

Objective

The 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 the preservation of capital.

Portfolio Managers

Paul M. Drury, CFA
(industry since 1989)

Garrett L. Hamilton, CFA
(industry since 2006)

Morningstar category

Muni California Long

Lipper category

California Municipal Debt

Credit qualities are shown as a percentage of the fund's net assets. A bond rated BBB or higher (SP-3 or higher, for short-term debt) is considered investment grade. This chart reflects the highest security rating provided by one or more of Standard & Poor's, Moody's, and Fitch. Ratings may vary over time. Cash and net other assets, if any, represent the market value weights of cash, derivatives, and short-term securities in the portfolio. **The fund itself has not been rated by an independent rating agency.**

Putnam California Tax Exempt Income Fund

Seeking a high level of tax-free income

Tax-advantaged income

The fund offers California residents the potential for high current income that is free from federal income tax and California State personal income taxes.

Portfolio quality

| | |
|---------------------------|-------|
| AAA | 6.3% |
| AA | 54.9% |
| A | 18.2% |
| BBB | 11.6% |
| BB | 0.6% |
| B | 1.0% |
| Not rated | 3.9% |
| Cash and net other assets | 3.5% |

The fund invests 91.0% of its assets in investment-grade tax-exempt bonds.

Focus on performance

The portfolio managers seek to provide a competitive yield through a combination of security selection and portfolio construction strategies.

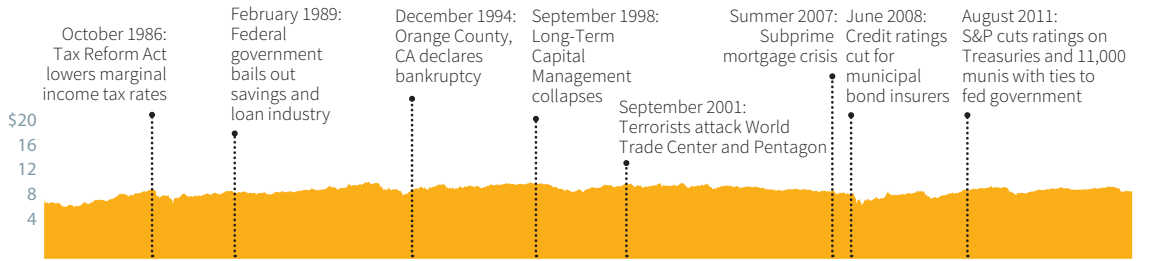
Sector weightings

| | |
|---------------------------|-------|
| Local debt | 16.5% |
| Utilities | 14.5% |
| State debt | 13.9% |
| Transportation | 10.2% |
| Health care | 9.5% |
| Prerefunded | 9.2% |
| Land | 8.9% |
| Education | 7.0% |
| Other sectors | 6.7% |
| Cash and net other assets | 3.5% |

Sectors represent 100% of the portfolio and will vary over time.

A diversified portfolio

A broadly diversified portfolio enables the managers to pursue current tax-free income opportunities while managing risk and seeking to preserve capital.

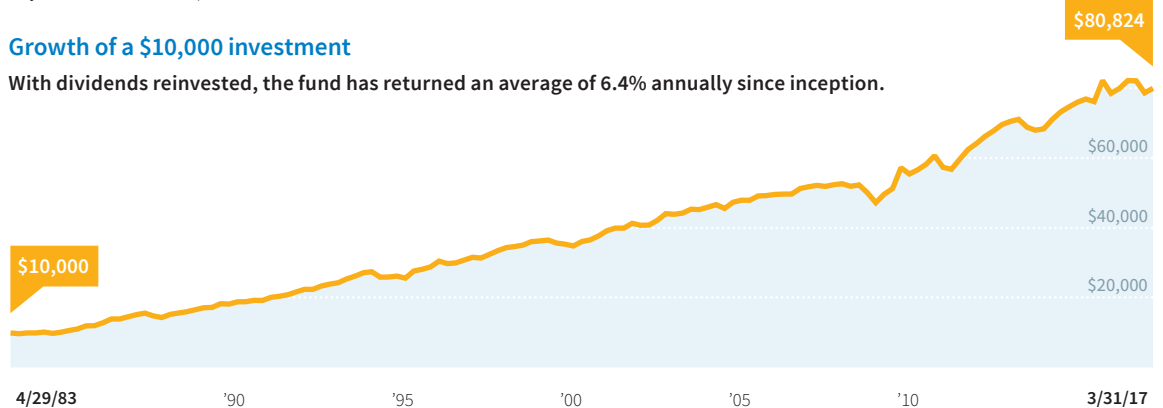


4/29/83 '84 '85 '86 '87 '88 '89 '90 '91 '92 '93 '94 '95 '96 '97 '98 '99 '00 '01 '02 '03 '04 '05 '06 '07 '08 '09 '10 '11 '12 '13 '14 '15 '16 3/31/17

On 10/30/89, this fund had a two-for-one split. The price before the split was \$15.76 and after the split was \$7.88. Prices prior to this have been adjusted to reflect the split.

Growth of a \$10,000 investment

With dividends reinvested, the fund has returned an average of 6.4% annually since inception.



Current performance may be lower or higher than the quoted past performance, which cannot guarantee future results. Share price, principal value, and return will vary, and you may have a gain or a loss when you sell your shares. Performance assumes reinvestment of distributions and does not account for taxes. Class Y shares, available to investors through an asset-based fee program or for institutional clients, are sold without an initial sales charge and have no CDSC. Performance for Class Y shares before their inception are derived from the historical performance of class A shares (inception 4/29/83), which have not been adjusted for the lower expenses; had they, returns would have been higher. For the most recent month-end performance, please visit putnam.com.

**Not FDIC insured
May lose value
No bank guarantee**

Fund symbols

| | |
|---------|-------|
| Class A | PCTEX |
| Class B | PCTBX |
| Class C | PCTCX |
| Class M | PCLMX |
| Class Y | PCIYX |

Lipper rankings

(Y shares, based on total return)

| | |
|---------|--------------|
| 1 year | 22% (25/118) |
| 3 years | 47% (53/114) |
| 5 years | 45% (44/98) |

Total expense ratio(Y shares)
0.48%**Number of holdings**

412

Net assets

\$1,278.43M

Dividend frequency

Monthly

Option adjusted duration

7.20

Duration to worst

5.00

Average stated maturity

18.72

Average effective maturity

6.11

AMT exposure

3.44%

Annual performance at net asset value (all distributions reinvested)

| | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 YTD |
|-----------------------------------|------|--------|-------|------|-------|------|-------|-------|------|------|----------|
| Y shares | 1.7% | -10.3% | 17.4% | 3.5% | 11.9% | 9.8% | -3.0% | 11.1% | 3.4% | 0.2% | 1.7% |
| BBG Barclays Municipal Bond Index | 3.4 | -2.5 | 12.9 | 2.4 | 10.7 | 6.8 | -2.6 | 9.1 | 3.3 | 0.3 | 1.6 |

Annualized total return performance

| Inception 1/2/08 | Class Y shares | BBG Barclays Municipal Bond Index |
|------------------|----------------|-----------------------------------|
| 1 year | 0.06% | 0.15% |
| 3 years | 4.03 | 3.55 |
| 5 years | 3.85 | 3.24 |
| 10 years | 4.36 | 4.33 |
| Life of fund | 6.35 | 6.67 |

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Attractive yield

| | Net asset value |
|---------------------------|-----------------|
| Current 30-day SEC yield* | 2.25% |
| Taxable equivalent† | 4.59% |

* Based only on investment income, calculated using the maximum offering price in accordance with SEC guidelines.

† Assumes a maximum 50.93% combined federal and state tax rate inclusive of the 3.80% Medicare surtax.

Highlights of five-year performance periods (4/29/83-3/31/17)‡

| Best 5-year return | Best period end date | Worst 5-year return | Worst period end date | Average 5-year return | % of 5-year periods with positive returns | Number of positive 5-year periods | Number of negative 5-year periods |
|--------------------|----------------------|---------------------|-----------------------|-----------------------|---|-----------------------------------|-----------------------------------|
| 13.34% | 6/30/89 | 0.55% | 12/31/08 | 6.42% | 100% | 116 | 0 |

‡Based on annualized returns for quarterly rolling periods.

The Bloomberg (BBG) Barclays Municipal Bond Index is an unmanaged index of long-term fixed-rate investment-grade tax-exempt bonds. You cannot invest directly in an index.

Lipper rankings for class Y shares are based on total return without sales charge relative to all share classes of funds with similar objectives as determined by Lipper. **Option adjusted duration** is the duration of a bond adjusting for any embedded optionality under multiple interest-rate scenarios. **Duration to worst** is the duration of a bond computed assuming the bond is called at the worst possible time and uses the date associated with the lowest yield. Depending on the interest-rate environment and structure of the bond, there may be scenarios in which the worst possible time for the bond to be paid off is the maturity date. **Average stated maturity** is determined based on the legal final maturity of a bond. **Average effective maturity** takes into account the likelihood of the bond being called.

Tax-free funds may not be suitable for IRAs and other non-taxable accounts. Not all share classes available on all platforms.

Consider these risks before investing: Bond prices may fall or fail to rise over time for several reasons, including general financial market conditions, changing market perceptions of the risk of default, changes in government intervention, and factors related to a specific issuer or industry. These factors may also lead to periods of high volatility and reduced liquidity in the bond markets. Single-state investments are at risk of common economic forces and other factors affecting a state's tax-exempt investments. This may result in greater losses and volatility. Capital gains, if any, are taxed at the federal and, in most cases, state levels. For some investors, investment income may be subject to the federal alternative minimum tax. Bond investments are subject to interest-rate risk (the risk of bond prices falling if interest rates rise) and credit risk (the risk of an issuer defaulting on interest or principal payments). Interest-rate risk is greater for longer-term bonds, and credit risk is greater for below-investment-grade bonds. Unlike bonds, funds that invest in bonds have fees and expenses. Tax-exempt bonds may be issued under the Internal Revenue Code only by limited types of issuers for limited types of projects. As a result, the fund's investments may be focused in certain market segments and be more vulnerable to fluctuations in the values of the securities it holds than a more broadly invested fund. Interest the fund receives might be taxable. You can lose money by investing in the fund.

Request a prospectus or a summary prospectus, if available, from your financial representative or by calling Putnam at 1-800-225-1581. These prospectuses include investment objectives, risks, fees, expenses, and other information that you should read and consider carefully before investing.