FIRST BANCORP /NC/ Form SC 13G May 13, 2013

## UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

#### SCHEDULE 13G

Under the Securities Exchange Act of 1934

(Amendment No. )\*

First Bancorp (Name of Issuer)

Common Stock, no par value (Title of Class of Securities)

318910106 (CUSIP Number)

May 3, 2013 (Date of Event which Requires Filing of this Statement)

Check the appropriate box to designate the rule pursuant to which this Schedule is filed:

[ ]	Rule 13d-1(b)
[X]	Rule 13d-1(c)
[ ]	Rule 13d-1(d)

\*The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter the disclosures provided in a prior cover page.

The information required on the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

CUSIP No. 318910106

13G

Page 2 of 10 Pages

**1NAME OF REPORTING PERSON** 

I.R.S. IDENTIFICATION NO. OF ABOVE PERSON

Basswood Capital Management, L.L.C.

2CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP\*

(a) o

(b) x

3SEC USE ONLY

4CITIZENSHIP OR PLACE OF ORGANIZATION

Delaware

**5SOLE VOTING POWER** 

NUMBER OF

0

SHARES

**6SHARED VOTING POWER** 

**BENEFICIALLY** 

**OWNED** 

1,275,468

BY

7SOLE DISPOSITIVE POWER

**EACH** 

REPORTING

PERSON 0

WITH

8SHARED DISPOSITIVE POWER

1,275,468

9AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

1,275,468

10CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES o

11PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)

6.48%

12TYPE OF REPORTING PERSON\*

00

CUSIP No. 318910106

13G

Page 3 of 10 Pages

**1NAME OF REPORTING PERSON** 

I.R.S. IDENTIFICATION NO. OF ABOVE PERSON

Basswood Enhanced Long Short Fund, LP

2CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP\*

(a) o

(b) x

3SEC USE ONLY

#### 4CITIZENSHIP OR PLACE OF ORGANIZATION

Delaware

**5SOLE VOTING POWER** 

NUMBER OF

0

SHARES

**6SHARED VOTING POWER** 

**BENEFICIALLY** 

**OWNED** 

989,217

BY 969,217

EACH 7SOLE DISPOSITIVE POWER

REPORTING

0

PERSON

WITH 8SHARED DISPOSITIVE POWER

989,217

9AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

989,217

10CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES o

11PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)

5.03%

12TYPE OF REPORTING PERSON\*

PN

CUSIP No. 318910106

13G

Page 4 of 10 Pages

**1NAME OF REPORTING PERSON** 

I.R.S. IDENTIFICATION NO. OF ABOVE PERSON

Basswood Enhanced Long Short GP, LLC

2CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP\*

(a) o

(b) x

3SEC USE ONLY

#### 4CITIZENSHIP OR PLACE OF ORGANIZATION

Delaware

**5SOLE VOTING POWER** 

NUMBER OF

0

SHARES

**6SHARED VOTING POWER** 

**BENEFICIALLY** 

**OWNED** 

989,217

BY 969,217

EACH 7SOLE DISPOSITIVE POWER

REPORTING

0

PERSON

WITH 8SHARED DISPOSITIVE POWER

989,217

9AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

989,217

10CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES o

11PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)

5.03%

12TYPE OF REPORTING PERSON\*

00

4

CUSIP No. 318910106 13G Page 5 of 10 Pages

**1NAME OF REPORTING PERSON** 

I.R.S. IDENTIFICATION NO. OF ABOVE PERSON

Matthew Lindenbaum

2CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP\*

(a) o

(b) x

3SEC USE ONLY

4CITIZENSHIP OR PLACE OF ORGANIZATION

**United States** 

**5SOLE VOTING POWER** 

**6SHARED VOTING POWER** 

NUMBER OF

SHARES 0

BENEFICIALLY

OWNED 1,275,468

BY 7SOLE DISPOSITIVE POWER

EACH /SOLE DISPOSITIVE POWER

REPORTING

PERSON

WITH 8SHARED DISPOSITIVE POWER

1,275,468

9AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

1,275,468

10CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES o

11PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)

6.48%

12TYPE OF REPORTING PERSON\*

IN

CUSIP No. 318910106

13G

Page 6 of 10 Pages

**1NAME OF REPORTING PERSON** 

I.R.S. IDENTIFICATION NO. OF ABOVE PERSON

Bennett Lindenbaum

2CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP\*

(a) o

(b) x

3SEC USE ONLY

## 4CITIZENSHIP OR PLACE OF ORGANIZATION

**United States** 

**5SOLE VOTING POWER** 

NUMBER OF

0 **SHARES** 

**BENEFICIALLY** 

**6SHARED VOTING POWER** 

**OWNED** 

1,275,468

BY**7SOLE DISPOSITIVE POWER EACH** 

REPORTING

**PERSON** 

8SHARED DISPOSITIVE POWER WITH

1,275,468

9AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

1,275,468

10CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES o

#### 11PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)

6.48%

12TYPE OF REPORTING PERSON\*

IN

Item 1(a) Name of Issuer:

First Bancorp

Item 1(b) Address of Issuer's Principal Executive Offices:

341 North Main Street Troy, NC 27371-0508

Item 2(a) Name of Person Filing:

See Cover Pages, Item 1.

Item 2(b) Address or Principal Business Office:

c/o Basswood Capital Management, L.L.C.

645 Madison Avenue, 10th Floor

New York, NY 10022

Item 2(c) Citizenship:

See Cover Pages, Item 4.

Item 2(d) Title of Class of Securities:

Common Stock, no par value per share

Item 2(e) CUSIP Number:

318910106

Item 3 Not Applicable

Item 4 Ownership:

The information required by Items 4(a)-(c) is set forth in Rows 5-11 of the cover page hereto for each Reporting Person and is incorporated herein by reference for each such

Reporting Person.

Item 5 Ownership of Five Percent or Less of a Class:

Not Applicable

Item 6 Ownership of More than Five Percent on Behalf of Another Person:

Not Applicable

Item 7 Identification and Classification of the Subsidiary Which Acquired the Security Being

Reported on By the Parent Holding Company:

Not Applicable

Item 8 Identification and Classification of Members of the Group:

Not Applicable

Item 9 Notice of Dissolution of Group:

Not Applicable

Item 10 Certification:

By signing below the signatory certifies that, to the best of his knowledge and belief, the securities referred to above were not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose or effect.

[Remainder of page intentionally left blank]

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#### **SIGNATURE**

After reasonable inquiry and to the best of the knowledge and belief of the undersigned, each of the undersigned certifies that the information set forth in this statement is true, complete and correct.

Dated: May 13, 2013

BASSWOOD CAPITAL MANAGEMENT, L.L.C.

By:			

Name: Mat Lind

/s/ Matthey Lindenbauı

Men

Title: Man

## BASSWOOD ENHANCED LONG SHORT FUND, LP

By: Basswood Enhanced Long Short GP, LLC, its General Partner

By:	
Interest (including interest incom	ne of \$15,626 from investments in
affiliated issuers) (Note 4) \$6,922,317	D: :1 1 2 214 752
	, ,
	<b>C</b> .
Expenses:	*
Manager (Note 2) 861,556	Investor
servicing fees (Note 2) 58,227	
Custodian fees (Note 2) 135,604	
Trustee compensation and expenses (Note 2) 15,052	
	Administrative services (Note 2)
8,368	Auditing 69,228
·	<b>C</b> .
	,
Manager (Note 4) (1,782)	•
expenses 1,250,972	
reduction (Note 2) (1,143)	
expenses 1,249,829	
income 7,906,456	
on investments (Notes 1 and 3) 5,740,727	Net realized gain
	Net realized loss on foreign
	Net lealized loss oil foleigh
currency transactions (Note 1) (42,751)	N-4
	Net unrealized appreciation of assets
and liabilities in foreign currencies during the year 2,660	
	Net unrealized appreciation of
investments during the year 2,949,166	

from operations \$16,556,258			
assets Year ended August 31 Increase in net assets 2004 2003  Operations:  Net investment income \$7,906,456 \$7,963,721  Net realized gain (loss) on investments and foreign currency transactions 5,697,976 (1,728,985)  Net unrealized appreciation of investments and assets and liabilities in foreign currencies 2,951,826 17,624,892  Net increase in net assets resulting from operations 16,556,258 23,859,628  Distributions to shareholders: (Note 1)  (7,714,084) (7,704,436)  Increase from issuance of common shares in connection with reinvestment of distributions — 217,676  Total increase in net assets  8,842,174 16,372,868 Net assets  Beginning of year 106,934,195 90,561,327  End of year (including undistributed net investment income of \$449,705 and distributions in excess of net investment income of \$30,644, respectively) \$115,776,369 \$106,934,195  Number of fund shares  Shares outstanding at beginning of year 13,825,527 13,794,807  Shares issued in connection with reinvestment of distributions — 30,720  Shares outstanding at end of year 13,825,527 13,825,527  The accompanying notes are an integral part of these financial statements. Financial highlights (For a common share outstanding throughout the period) Per-share Year ended August 31 operating performance 2004 2003 2002 2001 2000  Net asset value, beginning of period \$7.73 \$6.56 \$7.30 \$8.09 \$8.32  Investment operations:  Net investment income (a) .57 (d) .58 .60 .67 .74  Net realized and unrealized gain (loss) on investments .63 1.15 (.72) (.71) (.12)  Total from investment operations 1.20 1.73 (.12) (.04) .62  Less distributions:  From net investment income (.56) (.56) (.62) (.75) (.85)	from operations \$16,556,258	The	
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Total distributions (.56) (.56) (.62) (.75) (.85)	From net investment income (.56) (.56) (.62) (.75) (.85)		
	Total distributions (.56) (.56) (.62) (.75) (.85)		
Net asset value, end of period \$8.37 \$7.73 \$6.56 \$7.30 \$8.09	Net asset value, end of period \$8.37 \$7.73 \$6.56 \$7.30 \$8.09		

Market price, end of period \$7.62 \$7.31 \$6.35 \$7.45 \$7.94

\_\_\_\_\_

Total return at market price (%)(b) 12.06 24.73 (6.77) 3.91 .78

\_\_\_\_\_

Ratios and supplemental data

Net assets, end of period (in thousands) \$115,776 \$106,934 \$90,561 \$100,130 \$110,839

Ratio of expenses to average net assets (%)(c) 1.09 (d) 1.13 1.10 1.14 1.11

Ratio of net investment income to average net assets (%) 6.88 (d) 8.20 8.65 8.91 9.03

\_\_\_\_\_\_

\_\_\_\_\_\_

Portfolio turnover (%) 61.92 69.94 56.70 106.41 26.31

(a) Per share net investment income has been determined on the basis of the weighted average number of shares outstanding during the period. (b) Total return assumes dividend reinvestment. (c) Includes amounts paid through expense offset and brokerage service arrangements (Note 2). (d) Reflects waivers of certain fund expenses in connection with investments in Putnam Prime Money Market Fund during the period. As a result of such waivers, the expenses of the fund for the period ended August 31, 2004 reflect a reduction of less than 0.01% of average net assets (Note 4). The accompanying notes are an integral part of these financial statements. Notes to financial statements August 31, 2004 Note 1 Significant accounting policies Putnam High Income Bond Fund (the "fund"), a Massachusetts business trust, is registered under the Investment Company Act of 1940, as amended, as a diversified, closed-end management investment company. The fund seeks to provide high current income by investing in a portfolio consisting primarily of high-yielding convertible and nonconvertible securities with the potential for capital appreciation. The fund invests in higher yielding, lower rated bonds that have a higher rate of default due to the nature of the investments. The following is a summary of significant accounting policies consistently followed by the fund in the preparation of its financial statements. The preparation of financial statements is in conformity with accounting principles generally accepted in the United States of America and requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities in the financial statements and the reported amounts of increases and decreases in net assets from operations during the reporting period. Actual results could differ from those estimates. A) Security valuation Investments for which market quotations are readily available are valued at the last reported sales price on their principal exchange, or official closing price for certain markets. If no sales are reported -- as in the case of some securities traded over-the-counter -- a security is valued at its last reported bid price. Market quotations are not considered to be readily available for certain debt obligations; such investments are valued at fair value on the basis of valuations furnished by an independent pricing service or dealers, approved by the Trustees. Such services or dealers determine valuations for normal institutional-size trading units of such securities using methods based on market transactions for comparable securities and various relationships, generally recognized by institutional traders, between securities. Many securities markets and exchanges outside the U.S. close prior to the close of the New York Stock Exchange and therefore the closing prices for securities in such markets or on such exchanges may not fully reflect events that occur after such close but before the close of the New York Stock Exchange. Accordingly, on certain days, the fund will fair value foreign securities taking into account multiple factors, including movements in the U.S. securities markets. The number of days on which fair value prices will be used will depend on market activity and it is possible that fair value prices will be used by the fund to a significant extent. Securities quoted in foreign currencies are translated into U.S. dollars at the current exchange rate. Short-term investments having remaining maturities of 60 days or less are valued at amortized cost, which approximates fair value. Other investments, including restricted securities, are valued at fair value following procedures approved by

the Trustees. Such valuations and procedures are reviewed periodically by the Trustees. B) Joint trading account The fund may transfer uninvested cash balances, including cash collateral received under security lending arrangements, into a joint trading account along with the cash of other registered investment companies and certain other accounts managed by Putnam Investment Management, LLC ("Putnam Management"), the fund's manager, an indirect wholly-owned subsidiary of Putnam, LLC. These balances may be invested in issuers of high-grade short-term investments having maturities of up to 397 days for collateral received under security lending arrangements and up to 90 days for other cash investments. C) Repurchase agreements The fund, or any joint trading account, through its custodian, receives delivery of the underlying securities, the market 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 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. D) Security transactions and related investment income Security transactions are recorded on the trade date (date the order to buy or sell is executed). Gains or losses on securities sold are determined on the identified cost basis. Interest income is recorded on the accrual basis. Dividend income, net of applicable withholding taxes, is recognized on the ex-dividend date except that certain dividends from foreign securities are recognized as soon as the fund is informed of the ex-dividend date. Non-cash dividends, if any, are recorded at the fair market value of the securities received. All premiums/discounts are amortized/accreted on a yield-to-maturity basis. E) Foreign currency translation The accounting records of the fund are maintained in U.S. dollars. The market value of foreign securities, currency holdings, and other assets and liabilities are recorded in the books and records of the fund after translation to U.S. dollars based on the exchange rates on that day. The cost of each security is determined using historical exchange rates. Income and withholding taxes are translated at prevailing exchange rates when earned or incurred. The fund does not isolate that portion of realized or unrealized gains or losses resulting from changes in the foreign exchange rate on investments from fluctuations arising from changes in the market prices of the securities. Such gains and losses are included with the net realized and unrealized gain or loss on investments. Net realized gains and losses on foreign currency transactions represent net realized exchange gains or losses on closed forward currency contracts, disposition of foreign currencies, currency gains and losses realized between the trade and settlement dates on securities transactions and the difference between the amount of investment income and foreign withholding taxes recorded on the fund's books and the U.S. dollar equivalent amounts actually received or paid. Net unrealized appreciation and depreciation of assets and liabilities in foreign currencies arise from changes in the value of open forward currency contracts and assets and liabilities other than investments at the period end, resulting from changes in the exchange rate. Investments in foreign securities involve certain risks, including those related to economic instability, unfavorable political developments, and currency fluctuations, not present with domestic investments. F) Forward currency contracts The fund may buy and sell forward currency contracts, which are agreements between two parties to buy and sell currencies at a set price on a future date. These contracts are used to protect against a decline in value relative to the U.S. dollar of the currencies in which its portfolio securities are denominated or quoted (or an increase in the value of a currency in which securities a fund intends to buy are denominated, when a fund holds cash reserves and short term investments). The U.S. dollar value of forward currency contracts is determined using current forward currency exchange rates supplied by a quotation service. The market value of the contract will fluctuate with changes in currency exchange rates. The contract is marked to market daily and the change in market value is recorded as an unrealized gain or loss. When the contract is closed, the fund records a realized gain or loss equal to the difference between the value of the contract at the time it was opened and the value at the time it was closed. The fund could be exposed to risk if the value of the currency changes unfavorably, if the counterparties to the contracts are unable to meet the terms of their contracts or if the fund is unable to enter into a closing position. Risks may exceed amounts recognized on the

statement of assets and liabilities. Forward currency contracts outstanding at period end, if any, are listed after the fund's portfolio. G) Security lending The fund may lend securities, through its agents, to qualified borrowers in order to earn additional income. The loans are collateralized by cash and/or securities in an amount at least equal to the market value of the securities loaned. The market value of securities loaned is determined daily and any additional required collateral is allocated to the fund on the next business day. The risk of borrower default will be borne by the fund's agents; the fund will bear the risk of loss with respect to the investment of the cash collateral. Income from securities lending is included in investment income on the statement of operations. At August 31, 2004, the value of securities loaned amounted to \$2,734,371. The fund received cash collateral of \$2,866,478 which is pooled with collateral of other Putnam funds into 20 issuers of high grade short-term investments. H) Federal taxes It is the policy of the fund to distribute all of its taxable income within the prescribed time and otherwise comply with the provisions of the Internal Revenue Code applicable to regulated investment companies. It is also the intention of the fund to distribute an amount sufficient to avoid imposition of any excise tax under Section 4982 of the Internal Revenue Code of 1986 (the "Code"), as amended. Therefore, no provision has been made for federal taxes on income, capital gains or unrealized appreciation on securities held nor for excise tax on income and capital gains. At August 31, 2004, the fund had a capital loss carryover of \$19,335,434 available to the extent allowed by the Code to offset future net capital gain, if any. The amount of the carryover and the expiration dates are: Loss Carryover Expiration -----\$535,162 August 31, 2009 9,205,575 August 31, 2010 9,594,697 August 31, 2011 I) Distributions to shareholders Distributions to shareholders from net investment income are recorded by the fund on the ex-dividend date. Distributions from capital gains, if any, are recorded on the ex-dividend date and paid at least annually. The amount and character of income and gains to be distributed are determined in accordance with income tax regulations, which may differ from generally accepted accounting principles. These differences include temporary and permanent differences of losses on wash sale transactions, foreign currency gains and losses, nontaxable dividends, dividends payable, defaulted bond interest and interest on payment-in-kind securities. Reclassifications are made to the fund's capital accounts to reflect income and gains available for distribution (or available capital loss carryovers) under income tax regulations. For the year ended August 31, 2004, the fund reclassified \$287,977 to increase undistributed net investment income and \$3,117 to increase paid-in-capital, with an increase to accumulated net realized losses of \$291,094. The tax basis components of distributable earnings and the federal tax cost as of period end were as follows: Unrealized appreciation \$10,115,463 Unrealized depreciation (5,140,254) ----- Net unrealized appreciation 4,975,209 Undistributed ordinary income 1,410,767 Capital loss carryforward (19,335,434) Cost for federal income tax purposes \$114,528,063 Note 2 Management fee, administrative services and other transactions Putnam Management is paid for management and investment advisory services quarterly based on the average net assets of the fund. Such fee is based on the annual rate of 0.75% of the average weekly net assets of the fund. Effective September 13, 2004, Putnam Investments Limited ("PIL"), an affiliate of Putnam Management, is authorized by the Trustees to manage a separate portion of the assets of the fund as determined by Putnam Management from time to time. Putnam Management pays a quarterly sub-management fee to PIL for its services at an annual rate of 0.40% of the average net assets of the portion of the fund managed by PIL. The fund reimburses Putnam Management an allocated amount for the compensation and related expenses of certain officers of the fund and their staff who provide administrative services to the fund. The aggregate amount of all such reimbursements is determined annually by the Trustees. Custodial functions for the fund's assets are provided by Putnam Fiduciary Trust Company ("PFTC"), a subsidiary of Putnam, LLC. Putnam Investor Services, a division of PFTC, provides investor servicing agent functions to the fund. During the year ended August 31, 2004, the fund paid PFTC \$193,831 for these services. The fund has entered into an arrangement with PFTC whereby credits realized as a result of uninvested cash balances are used to reduce a portion of the fund's expenses. The fund also reduced expenses through brokerage service arrangements. For the year ended August 31, 2004, the fund's expenses were reduced by \$1,143 under these arrangements. Each independent

Trustee of the fund receives an annual Trustee fee, of which \$744, as a quarterly retainer, has been allocated to the fund, and an additional fee for each Trustees meeting attended. Trustees receive additional fees for attendance at certain committee. The fund has adopted a Trustee Fee Deferral Plan (the "Deferral Plan") which allows the Trustees to defer the receipt of all or a portion of Trustees fees payable on or after July 1, 1995. The deferred fees remain invested in certain Putnam funds until distribution in accordance with the Deferral Plan. The fund has adopted an unfunded noncontributory defined benefit pension plan (the "Pension Plan") covering all Trustees of the fund who have served as a Trustee for at least five years. Benefits under the Pension Plan are equal to 50% of the Trustee's average total retainer and meeting fees for the three years preceding retirement. Pension expense for the fund is included in Trustee compensation and expenses in the statement of operations. Accrued pension liability is included in Payable for Trustee compensation and expenses in the statement of assets and liabilities. The Trustees have terminated the Pension Plan with respect to any Trustee first elected after 2003. Note 3 Purchases and sales of securities During the year ended August 31, 2004, cost of purchases and proceeds from sales of investment securities other than short-term investments aggregated \$67,448,002 and \$69,036,548, respectively. There were no purchases or sales of U.S. government securities. Note 4 Investment in Putnam Prime Money Market Fund The fund invests in the Putnam Prime Money Market Fund, an open-end management investment company managed by Putnam Management. Management fees paid by the fund are reduced by an amount equal to the management fees paid by Putnam Prime Money Market Fund with respect to assets invested by the fund in Putnam Prime Money Market Fund. For the year ended August 31, 2004, management fees paid were reduced by \$1,782 relating to the fund's investment in Putnam Prime Money Market Fund. Income distributions earned by the fund are recorded as income in the statement of operations and totaled \$15,626 for the period ended August 31, 2004. Note 5 Regulatory matters and litigation On April 8, 2004, Putnam Management entered into agreements with the Securities and Exchange Commission and the Massachusetts Securities Division representing a final settlement of all charges brought against Putnam Management by those agencies on October 28, 2003 in connection with excessive short-term trading by Putnam employees and, in the case of the charges brought by the Massachusetts Securities Division, by participants in some Putnam-administered 401(k) plans. The settlement with the SEC requires Putnam Management to pay \$5 million in disgorgement plus a civil monetary penalty of \$50 million, and the settlement with the Massachusetts Securities Division requires Putnam Management to pay \$5 million in restitution and an administrative fine of \$50 million. The settlements also leave intact the process established under an earlier partial settlement with the SEC under which Putnam Management agreed to pay the amount of restitution determined by an independent consultant, which may exceed the disgorgement and restitution amounts specified above, pursuant to a plan to be developed by the independent consultant. Putnam Management, and not the investors in any Putnam fund, will bear all costs, including restitution, civil penalties and associated legal fees stemming from both of these proceedings. The SEC's and Massachusetts Securities Division's allegations and related matters also serve as the general basis for numerous lawsuits, including purported class action lawsuits filed against Putnam Management and certain related parties, including certain Putnam funds. Putnam Management has agreed to bear any costs incurred by Putnam funds in connection with these lawsuits. Based on currently available information, Putnam Management believes that the likelihood that the pending private lawsuits and purported class action lawsuits will have a material adverse financial impact on the fund is remote, and the pending actions are not likely to materially affect its ability to provide investment management services to its clients, including the Putnam funds. Review of these matters by counsel for Putnam Management and by separate independent counsel for the Putnam funds and their independent Trustees is continuing. Federal tax information (Unaudited) The fund has designated 24.3% of the distributions from net investment income as qualifying for the dividends received deduction for corporations. For its tax year ended August 31, 2004, the fund hereby designates 24.4%, the maximum amount allowable, of its net taxable income as qualified dividends taxed at individual net capital gain rates. The Form 1099 you receive in January 2005 will show the tax status of all distributions paid to your account in calendar

2004. Results of June 10, 2004 shareholder meeting (Unaudited) An annual meeting of shareholders of the fund was held on June 10, 2004. At the meeting, each of the nominees for Trustees was elected, as follows: Votes Votes for withheld ------ Jameson A. Baxter 12,196,059 375,041 Charles B. Curtis 12,202,530 368,570 John A. Hill 12,195,497 375,603 Ronald J. Jackson 12,205,030 366,070 Paul L. Joskow 12,202,255 368,845 Elizabeth T. Kennan 12,185,834 385,266 John H. Mullin, III 12,200,304 370,796 Robert E. Patterson 12,198,583 372,517 George Putnam, III 12,186,730 384,370 A.J.C. Smith 12,180,595 390,505 W. Thomas Stephens 12,184,558 386,542 All tabulations are rounded to nearest whole number. About the Trustees Jameson A. Baxter (9/6/43), Trustee since 1994 Ms. Baxter is the President of Baxter Associates, Inc., a private investment firm that she founded in 1986. Ms. Baxter serves as a Director of ASHTA Chemicals, Inc., Banta Corporation (a printing and digital imaging firm), Ryerson Tull, Inc. (a steel service corporation), Advocate Health Care and BoardSource, formerly the National Center for Nonprofit Boards. She is Chairman Emeritus of the Board of Trustees, Mount Holyoke College, having served as Chairman for five years and as a board member for thirteen years. Until 2002, Ms. Baxter was a Director of Intermatic Corporation (a manufacturer of energy control products). Ms. Baxter has held various positions in investment banking and corporate finance, including Vice President and Principal of the Regency Group, and Vice President of and Consultant to First Boston Corporation. She is a graduate of Mount Holyoke College. Charles B. Curtis (4/27/40), Trustee since 2001 Mr. Curtis is President and Chief Operating Officer of the Nuclear Threat Initiative (a private foundation dealing with national security issues) and serves as Senior Advisor to the United Nations Foundation. Mr. Curtis is a member of the Council on Foreign Relations and the Trustee Advisory Council of the Applied Physics Laboratory, Johns Hopkins University, Until 2003, Mr. Curtis was a member of the Electric Power Research Institute Advisory Council and the University of Chicago Board of Governors for Argonne National Laboratory. Prior to 2002, Mr. Curtis was a Member of the Board of Directors of the Gas Technology Institute and the Board of Directors of the Environment and Natural Resources Program Steering Committee, John F. Kennedy School of Government, Harvard University. Until 2001, Mr. Curtis was a member of the Department of Defense Policy Board and Director of EG&G Technical Services, Inc. (a fossil energy research and development support company). From August 1997 to December 1999, Mr. Curtis was a Partner at Hogan & Hartson L.L.P., a Washington, D.C. law firm. Prior to May 1997, Mr. Curtis was Deputy Secretary of Energy. He served as Chairman of the Federal Energy Regulatory Commission from 1977 to 1981 and has held positions on the staff of the U.S. House of Representatives, the U.S. Treasury Department, and the SEC. Myra R. Drucker (1/16/48) Ms. Drucker is a Vice Chair of the Board of Trustees of Sarah Lawrence College, a Trustee of Commonfund (a not-for-profit firm specializing in asset management for educational endowments and foundations) and a member of the Investment Committee of the Kresge Foundation (a charitable trust). She is also Chair of the New York Stock Exchange (NYSE) Pension Managers Advisory Committee and a member of the Executive Committee of the Committee on Investment of Employee Benefit Assets. Until August 31, 2004, Ms. Drucker was Managing Director and a member of the Board of Directors of General Motors Asset Management and Chief Investment Officer of General Motors Trust Bank, Ms. Drucker also served as a member of the NYSE Corporate Accountability and Listing Standards Committee and the NYSE/NASD IPO Advisory Committee. Prior to joining General Motors Asset Management in 2001, Ms. Drucker held various executive positions in the investment management industry. Ms. Drucker served as Chief Investment Officer of Xerox Corporation (a technology and service company in the document industry), where she was responsible for the investment of the company 's pension assets. Ms. Drucker was also Staff Vice President and Director of Trust Investments for International Paper (a paper, paper distribution, packaging and forest products company) and previously served as Manager of Trust Investments for Xerox Corporation. Ms. Drucker received a B.A. degree in Literature and Psychology from Sarah Lawrence College and pursued graduate studies in economics, statistics and portfolio theory at Temple University. John A. Hill (1/31/42), Trustee since 1985 and Chairman since 2000 Mr. Hill is Vice Chairman of First Reserve Corporation, a private equity buyout firm that specializes in energy investments in the

diversified worldwide energy industry. Mr. Hill is a Director of Devon Energy Corporation, TransMontaigne Oil Company, Continuum Health Partners of New York and various private companies controlled by First Reserve Corporation, as well as a Trustee of TH Lee, Putnam Investment Trust (a closed-end investment company advised by an affiliate of Putnam Management). He is also a Trustee of Sarah Lawrence College. Prior to acquiring First Reserve Corporation in 1983, Mr. Hill held executive positions in investment banking and investment management with several firms and with the federal government, including Deputy Associate Director of the Office of Management and Budget and Deputy Director of the Federal Energy Administration. He is active in various business associations, including the Economic Club of New York, and lectures on energy issues in the United States and Europe. Mr. Hill holds a B.A. degree in Economics from Southern Methodist University and pursued graduate studies there as a Woodrow Wilson Fellow. Ronald J. Jackson (12/17/43), Trustee since 1996 Mr. Jackson is a private investor. Mr. Jackson is President of the Kathleen and Ronald J. Jackson Foundation (a charitable trust). He is also a member of the Board of Overseers of WGBH (a public television and radio station) as well as a member of the Board of Overseers of the Peabody Essex Museum. Mr. Jackson is the former Chairman, President and Chief Executive Officer of Fisher-Price, Inc. (a major toy manufacturer), from which he retired in 1993. He previously served as President and Chief Executive Officer of Stride-Rite, Inc. (a manufacturer and distributor of footwear) and of Kenner Parker Toys, Inc. (a major toy and game manufacturer). Mr. Jackson was President of Talbots, Inc. (a distributor of women's apparel) and has held financial and marketing positions with General Mills, Inc. and Parker Brothers (a toy and game company), Mr. Jackson is a graduate of Michigan State University Business School. Paul L. Joskow (6/30/47), Trustee since 1997 Dr. Joskow is the Elizabeth and James Killian Professor of Economics and Management, and Director of the Center for Energy and Environmental Policy Research at the Massachusetts Institute of Technology. Dr. Joskow serves as a Director of National Grid Transco (a UK-based holding company with interests in electric and gas transmission and distribution and telecommunications infrastructure) and TransCanada Corporation (an energy company focused on natural gas transmission and power services). He also serves on the board of the Whitehead Institute for Biomedical Research (a non-profit research institution) and has been President of the Yale University Council since 1993. Prior to February 2002, he was a Director of State Farm Indemnity Company (an automobile insurance company), and, prior to March 2000, he was a Director of New England Electric System (a public utility holding company). Dr. Joskow has published five books and numerous articles on topics in industrial organization, government regulation of industry, and competition policy. He is active in industry restructuring, environmental, energy, competition and privatization policies -- serving as an advisor to governments and corporations worldwide. Dr. Joskow holds a Ph.D. and M. Phil from Yale University and B.A. from Cornell University. Elizabeth T. Kennan (2/25/38), Trustee since 1992 Dr. Kennan is a Partner of Cambus-Kenneth Farm (thoroughbred horse and cattle breeding). She is President Emeritus of Mount Holyoke College. Dr. Kennan served as Chairman and is now Lead Director of Northeast Utilities and is a Director of Talbots, Inc. She has served as Director on a number of other boards, including Bell Atlantic, Chastain Real Estate, Shawmut Bank, Berkshire Life Insurance and Kentucky Home Life Insurance. She is a Trustee of the National Trust for Historic Preservation, of Centre College and of Midway College in Midway, Kentucky. She is also a member of The Trustees of Reservations. Dr. Kennan has served on the oversight committee of the Folger Shakespeare Library, as President of Five Colleges Incorporated, as a Trustee of Notre Dame University and is active in various educational and civic associations. As a member of the faculty of Catholic University for twelve years, until 1978, Dr. Kennan directed the post-doctoral program in Patristic and Medieval Studies, taught history and published numerous articles. Dr. Kennan holds a Ph.D. from the University of Washington in Seattle, an M.S. from St. Hilda's College at Oxford University and an A.B. from Mount Holyoke College. She holds several honorary doctorates. John H. Mullin, III (6/15/41), Trustee since 1997 Mr. Mullin is the Chairman and CEO of Ridgeway Farm (a limited liability company engaged in timber and farming). Mr. Mullin serves as a Director of The Liberty Corporation (a broadcasting company), Progress

Energy, Inc. (a utility company, formerly known as Carolina Power & Light) and Sonoco Products, Inc. (a packaging company). Mr. Mullin is Trustee Emeritus of The National Humanities Center and Washington & Lee University, where he served as Chairman of the Investment Committee. Prior to May 2001, he was a Director of Graphic Packaging International Corp. Prior to February 2004, he was a Director of Alex Brown Realty, Inc. Mr. Mullin is also a past Director of Adolph Coors Company; ACX Technologies, Inc.; Crystal Brands, Inc.; Dillon, Read & Co., Inc.; Fisher-Price, Inc.; and The Ryland Group, Inc. Mr. Mullin is a graduate of Washington & Lee University and The Wharton Graduate School, University of Pennsylvania. Robert E. Patterson (3/15/45), Trustee since 1984 Mr. Patterson is Senior Partner of Cabot Properties, L.P. and Chairman of Cabot Properties, Inc. (a private equity firm investing in commercial real estate). Mr. Patterson serves as Chairman of the Joslin Diabetes Center and as a Director of Brandywine Trust Company. Prior to June 2003, he was a Trustee of Sea Education Association. Prior to December 2001, he was President and Trustee of Cabot Industrial Trust (a publicly traded real estate investment trust). Prior to February 1998, he was Executive Vice President and Director of Acquisitions of Cabot Partners Limited Partnership (a registered investment adviser involved in institutional real estate investments). Prior to 1990, he served as Executive Vice President of Cabot, Cabot & Forbes Realty Advisors, Inc. (the predecessor company of Cabot Partners) and as a Senior Vice President of the Beal Companies (a real estate management, investment and development firm). Mr. Patterson practiced law and held various positions in state government and was the founding Executive Director of the Massachusetts Industrial Finance Agency. Mr. Patterson is a graduate of Harvard College and Harvard Law School. W. Thomas Stephens (9/2/42), Trustee since 1997 Mr. Stephens serves on a number of corporate boards. Effective November 2004, Mr. Stephens is expected to become Chief Executive Officer of Boise Cascade, L.L.C. (a paper, forest products and timberland assets company). Mr. Stephens serves as a Director of TransCanada Pipelines Limited. Until 2004, Mr. Stephens was a Director of Xcel Energy Incorporated, a public utility company, Owest Communications, and Norske Canada, Inc. (a paper manufacturer). Until 2003, Mr. Stephens was a Director of Mail-Well, Inc. (a diversified printing company). He served as Chairman of Mail-Well until 2001 and as CEO of MacMillan-Bloedel, Ltd. (a forest products company) until 1999. Prior to 1996, Mr. Stephens was Chairman and Chief Executive Officer of Johns Manville Corporation. He holds B.S. and M.S. degrees from the University of Arkansas. Richard B. Worley (11/15/45) Mr. Worley is Managing Partner of Permit Capital, LLC, an investment management firm. Mr. Worley serves on the Executive Committee of the University of Pennsylvania Medical Center, is a Trustee of The Robert Wood Johnson Foundation (a philanthropic organization devoted to health care issues) and is a Director of The Colonial Williamsburg Foundation (a historical preservation organization). Mr. Worley also serves on the investment committees of Mount Holyoke College and World Wildlife Fund (a wildlife conservation organization). Prior to joining Permit Capital LLC in 2002, Mr. Worley served as Chief Strategic Officer of Morgan Stanley Investment Management. He previously served as President, Chief Executive Officer and Chief Investment Officer of Morgan Stanley Dean Witter Investment Management and as a Managing Director of Morgan Stanley, a financial services firm. Mr. Worley also was the Chairman of Miller Anderson & Sherrerd, an investment management firm. Mr. Worley holds a B.S. degree from University of Tennessee and pursued graduate studies in economics at the University of Texas. Charles E. Haldeman, Jr.\* (10/29/48) Mr. Haldeman is President and Chief Executive Officer of Putnam, LLC ("Putnam Investments"). He is a member of Putnam Investments' Executive Board of Directors and Advisory Council. Prior to November 2003, Mr. Haldeman served as Co-Head of Putnam Investments' Investment Division. Prior to joining Putnam Investments in 2002, Mr. Haldeman held executive positions in the investment management industry. He previously served as Chief Executive Officer of Delaware Investments and President & Chief Operating Officer of United Asset Management. Mr. Haldeman was also a partner and director of Cooke & Bieler, Inc.(an investment management firm). Mr. Haldeman currently serves as a Trustee of Dartmouth College and as Emeritus Trustee of Abington Memorial Hospital. He is a graduate of Dartmouth College, Harvard Law School and Harvard Business School. Mr. Haldeman is also a Chartered Financial Analyst (CFA) charterholder.

George Putnam, III\* (8/10/51), Trustee since 1984 and President since 2000 Mr. Putnam is President of New Generation Research, Inc. (a publisher of financial advisory and other research services), and of New Generation Advisers, Inc. (a registered investment advisor to private funds). Mr. Putnam founded the New Generation companies in 1986. Mr. Putnam is a Director of The Boston Family Office, LLC (a registered investment adviser). He is a Trustee of St. Mark's School, Shore Country Day School, and until 2002 was a Trustee of the Sea Education Association. Mr. Putnam previously worked as an attorney with the law firm of Dechert LLP (formerly known as Dechert Price & Rhoads) in Philadelphia. He is a graduate of Harvard College, Harvard Business School and Harvard Law School. A.J.C. Smith\* (4/13/34), Trustee since 1986 Mr. Smith is the Chairman of Putnam Investments and Director of and Consultant to Marsh & McLennan Companies, Inc. Mr. Smith is also a Director of Trident Corp. (a limited partnership with over thirty institutional investors). He is also a Trustee of the Carnegie Hall Society, the Educational Broadcasting Corporation, and the National Museums of Scotland. He is Chairman of the Central Park Conservancy and a Member of the Board of Overseers of the Joan and Sanford I. Weill Graduate School of Medical Sciences of Cornell University, Prior to May 2000 and November 1999, Mr. Smith was Chairman and CEO, respectively, of Marsh & McLennan Companies, Inc. The address of each Trustee is One Post Office Square, Boston, MA 02109. As of August 31, 2004, there were 103 Putnam Funds. All Trustees other than Ms. Drucker and Messrs. Worley and Haldeman serve as Trustees of all 103 Putnam Funds. Ms. Drucker and Messrs. Worley and Haldeman currently serve as Trustees of 23 Putnam Funds. Each Trustee serves for an indefinite term, until his or her resignation, retirement at age 72, death, or removal. \* Trustees who are or may be deemed to be "interested persons" (as defined in the Investment Company Act of 1940) of the fund, Putnam Management, Putnam Retail Management, or Marsh & McLennan Companies, Inc., the parent company of Putnam, LLC and its affiliated companies. Messrs. Putnam, III, and Smith are deemed "interested persons" by virtue of their positions as officers of the fund, Putnam Management, Putnam Retail Management or Marsh & McLennan Companies, Inc. and as shareholders of Marsh & McLennan Companies, Inc. Mr. Putnam, III is the President of your fund and each of the other Putnam funds. Mr. Smith serves as a Director of and Consultant to Marsh & McLennan Companies, Inc. and as Chairman of Putnam Investments. Officers In addition to George Putnam, III, the other officers of the fund are shown below: Charles E. Porter (7/26/38) Executive Vice President, Associate Treasurer and Principal Executive Officer Since 1989 Managing Director, Putnam Investments and Putnam Management Jonathan S. Horwitz (6/4/55) Senior Vice President and Treasurer Since 2004 Managing Director, Putnam Investments Steven D. Krichmar (6/27/58) Vice President and Principal Financial Officer Since 2002 Senior Managing Director, Putnam Investments. Prior to July 2001, Partner, PricewaterhouseCoopers LLP Michael T. Healy (1/24/58) Assistant Treasurer and Principal Accounting Officer Since 2000 Managing Director, Putnam Investments Beth S. Mazor (4/6/58) Vice President Since 2002 Senior Vice President, Putnam Investments Daniel T. Gallagher (2/27/62) Vice President and Legal and Compliance Liaison Officer Since 2004 Vice President, Putnam Investments. Prior to 2004, Associate, Ropes & Gray LLP; prior to 2000, Law Clerk, Massachusetts Supreme Judicial Court Francis J. McNamara, III (8/19/55) Vice President and Chief Legal Officer Since 2004 Senior Managing Director, Putnam Investments, Putnam Management and Putnam Retail Management. Prior to 2004, General Counsel, State Street Research & Management Company James P. Pappas (2/24/53) Vice President Since 2004 Managing Director, Putnam Investments and Putnam Management. From 2001 to 2002, Chief Operating Officer, Atalanta/Sosnoff Management Corporation; prior to 2001, President and Chief Executive Officer, UAM Investment Services, Inc. Richard S. Robie, III (3/30/60) Vice President Since 2004 Senior Managing Director, Putnam Investments, Putnam Management and Putnam Retail Management. Prior to 2003, Senior Vice President, United Asset Management Corporation Charles A. Ruys de Perez (10/17/57) Vice President and Chief Compliance Officer Since 2004 Managing Director, Putnam Investments Mark C. Trenchard (6/5/62) Vice President and BSA Compliance Officer Since 2002 Senior Vice President, Putnam Investments Judith Cohen (6/7/45) Clerk and Assistant Treasurer Since 1993 Clerk and Assistant Treasurer, The Putnam Funds The address of each Officer is One Post Office

Square, Boston, MA 02109. Fund information About Putnam Investments One of the largest mutual fund families in the United States, Putnam Investments has a heritage of investment leadership dating back to Judge Samuel Putnam, whose Prudent Man Rule has defined fiduciary tradition and practice since 1830. Founded over 65 years ago, Putnam Investments was built around the concept that a balance between risk and reward is the hallmark of a well-rounded financial program. We presently manage over 100 mutual funds in growth, value, blend, fixed income, and international. Investment Manager Putnam Investment Management, LLC One Post Office Square Boston, MA 02109 Investment Sub-Manager Putnam Investments Limited Cassini House 57-59 St. James Street London, England SW1A 1LD Marketing Services Putnam Retail Management One Post Office Square Boston, MA 02109 Custodian Putnam Fiduciary Trust Company Legal Counsel Ropes & Gray LLP Independent Registered Public Accounting Firm PricewaterhouseCoopers LLP Trustees John A. Hill, Chairman Jameson Adkins Baxter Charles B. Curtis Myra R. Drucker Charles E. Haldeman, Jr. Ronald J. Jackson Paul L. Joskow Elizabeth T. Kennan John H. Mullin, III Robert E. Patterson George Putnam, III A.J.C. Smith W. Thomas Stephens Richard B. Worley Officers George Putnam, III President Charles E. Porter Executive Vice President, Associate Treasurer and Principal Executive Officer Jonathan S. Horwitz Senior Vice President and Treasurer Steven D. Krichmar Vice President and Principal Financial Officer Michael T. Healy Assistant Treasurer and Principal Accounting Officer Beth S. Mazor Vice President Daniel T. Gallagher Vice President and Legal and Compliance Liaison Officer James P. Pappas Vice President Richard S. Robie, III Vice President Mark C. Trenchard Vice President and BSA Compliance Officer Francis J. McNamara, III Vice President and Chief Legal Officer Charles A. Ruys de Perez Vice President and Chief Compliance Officer Judith Cohen Clerk and Assistant Treasurer Call 1-800-225-1581 weekdays from 9 a.m. to 5 p.m. Eastern Time, or visit our Web site (www.putnaminvestments.com) any time for up-to-date information about the fund's NAV. [LOGO OMITTED] PUTNAM INVESTMENTS The Putnam Funds One Post Office Square Boston, Massachusetts 02109 PRSRT STD U.S. POSTAGE PAID PUTNAM INVESTMENTS Do you want to save paper and receive this document faster? Shareholders can sign up for email delivery of shareholder reports on www.putnaminvestments.com. 216506 10/04 Item 2. Code of Ethics: ----- All officers of the Fund, including its principal executive, financial and accounting officers, are employees of Putnam Investment Management, LLC, the Fund's investment manager. As such they are subject to a comprehensive Code of Ethics adopted and administered by Putnam Investments which is designed to protect the interests of the firm and its clients. The Fund has adopted a Code of Ethics which incorporates the Code of Ethics of Putnam Investments with respect to all of its officers and Trustees who are employees of Putnam Investment Management, LLC. For this reason, the Fund has not adopted a separate code of ethics governing its principal executive, financial and accounting officers. Item 3. Audit Committee Financial Expert: ------ The Funds' Audit and Pricing Committee is comprised solely of Trustees who are "independent" (as such term has been defined by the Securities and Exchange Commission ("SEC") in regulations implementing Section 407 of the Sarbanes-Oxley Act (the "Regulations")). The Trustees believe that each of the members of the Audit and Pricing Committee also possess a combination of knowledge and experience with respect to financial accounting matters, as well as other attributes, that qualify them for service on the Committee. In addition, the Trustees have determined that all members of the Funds' Audit and Pricing Committee meet the financial literacy requirements of the New York Stock Exchange's rules and that Mr. Patterson and Mr. Stephens qualify as "audit committee financial experts" (as such term has been defined by the Regulations) based on their review of their pertinent experience and education. Certain other Trustees, although not on the Audit and Pricing Committee, would also qualify as "audit committee financial experts." The SEC has stated that the designation or identification of a person as an audit committee financial expert pursuant to this Item 3 of Form N-CSR does not impose on such person any duties, obligations or liability that are greater than the duties, obligations and liability imposed on such person as a member of the Audit and Pricing Committee and the Board of Trustees in the absence of such designation or identification. Item 4. Principal Accountant Fees and Services: ----- The following table

presents fees billed in each of the last two fiscal years for services rendered to the fund by the fund's independent auditors: Audit Audit-Related Tax All Other Fiscal year ended Fees Fees Fees Fees ------ August 31, 2004 \$61,486 \$-- \$7,700 \$23 August 31, 2003 \$54,273 \$-- \$7,711 \$-- For the fiscal years ended August 31, 2004 and August 31, 2003, the fund's independent auditors billed aggregate non-audit fees in the amounts of \$139,982 and \$82,391, respectively, to the fund, Putnam Management and any entity controlling, controlled by or under common control with Putnam Management that provides ongoing services to the fund. Audit Fees represents fees billed for the fund's last two fiscal years. Audit-Related Fees represents fees billed in the fund's last two fiscal years for services traditionally performed by the fund's auditor, including accounting consultation for proposed transactions or concerning financial accounting and reporting standards and other audit or attest services not required by statute or regulation. Tax Fees represent fees billed in the fund's last two fiscal years for tax compliance, tax planning and tax advice services. Tax planning and tax advice services include assistance with tax audits, employee benefit plans and requests for rulings or technical advice from taxing authorities. All Other Fees Fees represent fees billed for services relating to fund expense processing. Pre-Approval Policies of the Audit and Pricing Committee. The Audit and Pricing Committee of the Putnam funds has determined that, as a matter of policy, all work performed for the funds by the funds' independent auditors will be pre-approved by the Committee and will generally not be subject to pre-approval procedures. Under certain circumstances, the Audit and Pricing Committee believes that it may be appropriate for Putnam Investment Management, LLC ("Putnam Management") and certain of its affiliates to engage the services of the funds' independent auditors, but only after prior approval by the Committee. Such requests are required to be submitted in writing to the Committee and explain, among other things, the nature of the proposed engagement, the estimated fees, and why this work must be performed by that particular audit firm. The Committee will review the proposed engagement at its next meeting. Since May 6, 2003, all work performed by the independent auditors for the funds, Putnam Management and any entity controlling, controlled by or under common control with Putnam Management that provides ongoing services to the fund was pre-approved by the Committee or a member of the Committee pursuant to the pre-approval policies discussed above. Prior to that date, the Committee had a general policy to pre-approve the independent auditor's engagements for non-audit services with the funds, Putnam Management and any entity controlling, controlled by or under common control with Putnam Management that provides ongoing services to the fund. The following table presents fees billed by the fund's principal auditor for services required to be approved pursuant to paragraph (c)(7)(ii) of Rule 2-01 of Regulation S-X. Audit-Related Tax All Other Total Non- Fiscal year ended Fees Fees Fees Audit Fees ------ August 31, 2004 \$-- \$-- \$-- August 31, 2003 \$-- \$-- \$-- Item 5. Audit Committee ----- (a) The fund has a separately-designated audit committee established in accordance with Section 3(a)(58)(A) of the Securities Exchange Act of 1934, as amended. The Audit Committee of the fund's Board of Trustees is composed of the following persons: Paul L. Joskow (Chairperson) Robert E. Patterson W. Thomas Stephens Elizabeth T. Kennan (b) Not applicable Item 6. Schedule of Investments: Not applicable ----- Item 7. Disclosure of Proxy Voting Policies and Procedures For Closed-End ------ Management Investment Companies: ----- Proxy Voting Guidelines of the Putnam Funds ----- The proxy voting guidelines below summarize the Funds' positions on various issues of concern to investors, and give a general indication of how Fund portfolio securities will be voted on proposals dealing with a particular issue. The Funds' proxy voting service is instructed to vote all proxies relating to Fund portfolio securities in accordance with these guidelines, except as otherwise instructed by the Proxy Coordinator. The proxy voting guidelines are just that guidelines. The guidelines are not exhaustive and do not include all potential voting issues. Because proxy issues and the circumstances of individual companies are so varied, there may be instances when the Funds may not vote in strict adherence to these guidelines. For example, the proxy voting service is expected to bring to the Proxy Coordinator's attention proxy questions that are

company-specific and of a non-routine nature and, although covered by the guidelines, may be more appropriately handled on a case-by-case basis. Similarly, Putnam Management's investment professionals, as part of their ongoing review and analysis of all Fund portfolio holdings, are responsible for monitoring significant corporate developments, including proxy proposals submitted to shareholders, and notifying the Proxy Coordinator of circumstances where the interests of Fund shareholders may warrant a vote contrary to these guidelines. In such instances, the investment professionals will submit a written recommendation to the Proxy Coordinator and the person or persons designated by Putnam Management's Legal and Compliance Department to assist in processing referral items pursuant to the Funds' "Proxy Voting Procedures." The Proxy Coordinator, in consultation with the Senior Vice President, Executive Vice President and/or the Chair of the Board Policy and Nominating Committee, as appropriate, will determine how the Funds' proxies will be voted. When indicated, the Chair of the Board Policy and Nominating Committee may consult with other members of the Committee or the full board of Trustees. The following guidelines are grouped according to the types of proposals generally presented to shareholders. Part I deals with proposals which have been approved and recommended by a company's board of directors. Part II deals with proposals submitted by shareholders for inclusion in proxy statements. Part III addresses unique considerations pertaining to foreign issuers. I. Board-Approved Proposals ------ The vast majority of matters presented to shareholders for a vote involve proposals made by a company itself (sometimes referred to as "management proposals"), which have been approved and recommended by its board of directors. In view of the enhanced corporate governance practices currently being implemented in public companies and the Funds' intent to hold corporate boards accountable for their actions in promoting shareholder interests, the Funds' proxies generally will be voted in support of decisions reached by independent boards of directors. Accordingly, the Funds' proxies will be voted for board-approved proposals, except as follows: A. Matters Relating to the Board of Directors ----- The board of directors has the important role of overseeing management and its performance on behalf of shareholders. The Funds' proxies will be voted for the election of the company's nominees for directors and for board-approved proposals on other matters relating to the board of directors (provided that such nominees and other matters have been approved by an independent nominating committee), except as follows: \* The Funds will withhold votes for the entire board of directors if \* The board does not have a majority of independent directors; or \* The board does not have nominating, audit and compensation committees composed solely of independent directors. Commentary: While these requirements will likely become mandatory for most public companies in the near future as a result of pending NYSE and NASDAQ rule proposals, the Funds' Trustees believe that there is no excuse for public company boards that fail to implement these vital governance reforms at their next annual meeting. For these purposes, an "independent director" is a director who meets all requirements to serve as an independent director of a company under the pending NYSE rule proposals (i.e., no material business relationships with the company, no present or recent employment relationship with the company (including employment of immediate family members) and, in the case of audit committee members, no compensation for non-board services). As indicated below, the Funds will generally vote on a case-by-case basis on board-approved proposals where the board fails to meet these basic independence standards. \* The Funds will withhold votes for any nominee for director who is considered an independent director by the company and who has received compensation from the company other than for service as a director (e.g., investment banking, consulting, legal or financial advisory fees). Commentary: The Funds' Trustees believe that receipt of compensation for services other than service as a director raises significant independence issues. The Funds will withhold votes for any nominee for director who is considered an independent director by the company and who receives such compensation. \* The Funds will withhold votes for the entire board of directors if the board has more than 19 members or fewer than five members, absent special circumstances. Commentary: The Funds' Trustees believe that the size of the board of directors can have a direct impact on the ability of the board to govern effectively. Boards that have too many members can be unwieldy and ultimately inhibit their ability to oversee

management performance. Boards that have too few members can stifle innovation and lead to excessive influence by management. \* The Funds will vote on a case-by-case basis in contested elections of directors. \* The Funds will withhold votes for any nominee for director who attends less than 75% of board and committee meetings without valid reasons for the absences (i.e., illness, personal emergency, etc.). Commentary: Being a director of a company requires a significant time commitment to adequately prepare for and attend the company's board and committee meetings. Directors must be able to commit the time and attention necessary to perform their fiduciary duties in proper fashion, particularly in times of crisis. The Funds' Trustees are concerned about over-committed directors. In some cases, directors may serve on too many boards to make a meaningful contribution. This may be particularly true for senior executives of public companies (or other directors with substantially full-time employment) who serve on more than a few outside boards. The Funds may withhold votes from such directors on a case-by-case basis where it appears that they may be unable to discharge their duties properly because of excessive commitments. \* The Funds will withhold votes for any nominee for director of a public company (Company A) who is employed as a senior executive of another public company (Company B) if a director of Company B serves as a senior executive of Company A (commonly referred to as an "interlocking directorate"). Commentary: The Funds' Trustees believe that interlocking directorships are inconsistent with the degree of independence required for outside directors of public companies. Board independence depends not only on its members' individual relationships, but also the board's overall attitude toward management. Independent boards are committed to good corporate governance practices and, by providing objective independent judgment, enhancing shareholder value. The Funds may withhold votes on a case-by-case basis from some or all directors that, through their lack of independence, have failed to observe good corporate governance practices or, through specific corporate action, have demonstrated a disregard for the interest of shareholders. \* The Funds will vote against proposals to classify a board, absent special circumstances indicating that shareholder interests would be better served by this structure. Commentary: Under a typical classified board structure, the directors are divided into three classes, with each class serving a three-year term. The classified board structure results in directors serving staggered terms, with usually only a third of the directors up for re-election at any given annual meeting. The Funds' Trustees generally believe that it is appropriate for directors to stand for election each year, but recognize that, in special circumstances, shareholder interests may be better served under a classified board structure. B. Executive Compensation ----- The Funds generally favor compensation programs that relate executive compensation to a company's long-term performance. The Funds will vote on a case-by-case basis on board-approved proposals relating to executive compensation, except as follows: \* Except where the Funds are otherwise withholding votes for the entire board of directors, the Funds will vote for stock option plans which will result in an average annual dilution of 1.67% or less (including all equity-based plans). \* The Funds will vote against stock option plans that permit replacing or repricing of underwater options (and against any proposal to authorize such replacement or repricing of underwater options). \* The Funds will vote against stock option plans that permit issuance of options with an exercise price below the stock's current market price. \* Except where the Funds are otherwise withholding votes for the entire board of directors, the Funds will vote for employee stock purchase plans that have the following features: (1) the shares purchased under the plan are acquired for no less than 85% of their market value, (2) the offering period under the plan is 27 months or less, and (3) dilution is 10% or less. Commentary: Companies should have compensation programs that are reasonable and that align shareholder and management interests over the longer term. Further, disclosure of compensation programs should provide absolute transparency to shareholders regarding the sources and amounts of, and the factors influencing, executive compensation. Appropriately designed equity-based compensation plans can be an effective way to align the interests of long-term shareholders with the interests of management. The Funds may vote against executive compensation proposals on a case-by-case basis where compensation is excessive by reasonable corporate standards, or where a company fails to provide transparent disclosure of executive compensation. In voting on proposals relating to executive

compensation, the Funds will consider whether the proposal has been approved by an independent compensation committee of the board. C. Capitalization ------ Many proxy proposals involve changes in a company's capitalization, including the authorization of additional stock, the repurchase of outstanding stock or the approval of a stock split. The management of a company's capital structure involves a number of important issues, including cash flow, financing needs and market conditions that are unique to the circumstances of each company. As a result, the Funds will vote on a case-by-case basis on board-approved proposals involving changes to a company's capitalization, except that where the Funds are not otherwise withholding votes from the entire board of directors: \* The Funds will vote for proposals relating to the authorization of additional common stock (except where such proposals relate to a specific transaction). \* The Funds will vote for proposals to effect stock splits (excluding reverse stock splits.) \* The Funds will vote for proposals authorizing share repurchase programs. Commentary: A company may decide to authorize additional shares of common stock for reasons relating to executive compensation or for routine business purposes. For the most part, these decisions are best left to the board of directors and senior management. The Funds will vote on a case-by-case basis, however, on other proposals to change a company's capitalization, including the authorization of common stock with special voting rights, the authorization or issuance of common stock in connection with a specific transaction (e.g., an acquisition, merger or reorganization) or the authorization or issuance of preferred stock. Actions such as these involve a number of considerations that may impact a shareholder's investment and warrant a case-by-case determination. D. Acquisitions, Mergers, Reincorporations, Reorganizations and Other Transactions ----- Shareholders may be confronted with a number of different types of transactions, including acquisitions, mergers, reorganizations involving business combinations, liquidations and sale of all or substantially all of a company's assets, which may require their consent. Voting on such proposals involves considerations unique to each transaction. As a result, the Funds will vote on a case-by-case basis on board-approved proposals to effect these types of transactions, except as follows: \* The Funds will vote for mergers and reorganizations involving business combinations designed solely to reincorporate a company in Delaware. Commentary: A company may reincorporate into another state through a merger or reorganization by setting up a "shell" company in a different state and then merging the company into the new company. While reincorporation into states with extensive and established corporate laws - notably Delaware - provides companies and shareholders with a more well-defined legal framework, generally speaking, shareholders must carefully consider the reasons for a reincorporation into another jurisdiction, including especially offshore jurisdictions. E. Anti-Takeover Measures ------ Some proxy proposals involve efforts by management to make it more difficult for an outside party to take control of the company without the approval of the company's board of directors. These include adoption of a shareholder rights plan, requiring supermajority voting on particular issues, adoption of fair price provisions, issuance of blank check preferred stock and creating a separate class of stock with disparate voting rights. Such proposals may adversely affect shareholder rights, lead to management entrenchment, or create conflicts of interest. As a result, the Funds will vote against board-approved proposals to adopt such anti-takeover measures, except as follows: \* The Funds will vote on a case-by-case basis on proposals to ratify or approve shareholder rights plans (commonly referred to as "poison pills"); and \* The Funds will vote on a case-by-case basis on proposals to adopt

------ Many proxies involve approval of routine business matters, such as changing the company's name, ratifying the appointment of auditors and procedural matters relating to the shareholder meeting. For the most part, these routine matters do not materially affect shareholder interests and are best left to the board of directors and senior management of the company. The Funds will vote for board-approved proposals approving such matters, except as follows: \* The Funds will vote on a case-by-case basis on proposals to amend a company's charter or bylaws (except for charter

fair price provisions. Commentary: The Funds' Trustees recognize that poison pills and fair price provisions may enhance shareholder value under certain circumstances. As a result, the Funds will consider proposals to approve such matters on a case-by-case basis. F. Other Business Matters

amendments necessary or to effect stock splits to change a company's name or to authorize additional shares of common stock). \* The Funds will vote against authorization to transact other unidentified, substantive business at the meeting. \* The Funds will vote on a case-by-case basis on other business matters where the Funds are otherwise withholding votes for the entire board of directors. Commentary: Charter and bylaw amendments and the transaction of other unidentified, substantive business at a shareholder meeting may directly affect shareholder rights and have a significant impact on shareholder value. As a result, the Funds do not view such items as routine business matters. Putnam Management's investment professionals and the Funds' proxy voting service may also bring to the Proxy Coordinator's attention company-specific items which they believe to be non-routine and warranting special consideration. Under these circumstances, the Funds will vote on a case-by-case basis. II. Shareholder Proposals ------ SEC regulations permit shareholders to submit proposals for inclusion in a company's proxy statement. These proposals generally seek to change some aspect of a company's corporate governance structure or to change some aspect of its business operations. The Funds will vote in accordance with the recommendation of the company's board of directors on all shareholder proposals, except as follows: \* The Funds will vote for shareholder proposals to declassify a board, absent special circumstances which would indicate that shareholder interests are better served by a classified board structure. \* The Funds will vote for shareholder proposals to require shareholder approval of shareholder rights plans. \* The Funds will vote for shareholder proposals that are consistent with the Fund's proxy voting guidelines for board-approved proposals. \* The Funds will vote on a case-by-case basis on other shareholder proposals where the Funds are otherwise withholding votes for the entire board of directors. Commentary: In light of the substantial reforms in corporate governance that are currently underway, the Funds' Trustees believe that effective corporate reforms should be promoted by holding boards of directors - and in particular, their independent directors - accountable for their actions, rather than imposing additional legal restrictions on board governance through piecemeal proposals. Generally speaking, shareholder proposals relating to business operations are often motivated primarily by political or social concerns, rather than the interests of shareholders as investors in an economic enterprise. As stated above, the Funds' Trustees believe that boards of directors and management are responsible for ensuring that their businesses are operating in accordance with high legal and ethical standards and should be held accountable for resulting corporate behavior. Accordingly, the Funds will generally support the recommendations of boards that meet the basic independence and governance standards established in these guidelines. Where boards fail to meet these standards, the Funds will generally evaluate shareholder proposals on a case-by-case basis. III. Voting Shares of Foreign Issuers ------ Many of the Funds invest on a global basis and, as a result, they may be required to vote shares held in foreign issuers - i.e., issuers that are incorporated under the laws of a foreign jurisdiction and that are not listed a U.S. securities exchange or the NASDAQ stock market. Because foreign issuers are incorporated under the laws of countries and jurisdictions outside the U.S., protection for shareholders may vary significantly from jurisdiction to jurisdiction. Laws governing foreign issuers may, in some cases, provide substantially less protection for shareholders. As a result, the foregoing guidelines, which are premised on the existence of a sound corporate governance and disclosure framework, may not be appropriate under some circumstances for foreign issuers. The Funds will vote proxies of foreign issuers in accordance with the foregoing guidelines where applicable, except as follows: \* The Funds will vote for shareholder proposals calling for a majority of the directors to be independent of management. \* The Funds will vote for shareholder proposals seeking to increase the independence of board nominating, audit and compensation committees, \* The Funds will vote for shareholder proposals that implement corporate governance standards similar to those established under U.S. federal law and the listing requirements of U.S. stock exchanges, and that do not otherwise violate the laws of the jurisdiction under which the company is incorporated. \* The Funds will vote on case-by-case basis on proposals relating to (1) the issuance of common stock in excess of 20% of a company's outstanding common stock where shareholders do not have preemptive rights, or (2) the issuance of common stock in excess of 100% of a company's outstanding common

stock where shareholders have preemptive rights. Commentary: In many non-U.S. markets, shareholders who vote proxies for shares of a foreign issuer are not able to trade in that company's stock within a given period of time on or around the shareholder meeting date. This practice is known as "share blocking." In countries where share blocking is practiced, the Funds will vote proxies only with direction from Putnam Management's investment professionals. As adopted March 14, 2003 Proxy Voting Procedures of the Putnam Funds ----- The Role of the Funds' Trustees ----- The Trustees of the Putnam Funds exercise control of the voting of proxies through their Board Policy and Nominating Committee, which is composed entirely of independent Trustees. The Board Policy and Nominating Committee oversees the proxy voting process and participates, as needed, in the resolution of issues which need to be handled on a case-by-case basis. The Committee annually reviews and recommends for approval by the Trustees guidelines governing the Funds' proxy votes, including how the Funds vote on specific proposals and which matters are to be considered on a case-by-case basis. The Trustees are assisted in this process by their independent administrative staff ("Fund Administration"), independent legal counsel, and an independent proxy voting service. The Trustees also receive assistance from Putnam Investment Management, LLC ("Putnam Management"), the Funds' investment adviser, on matters involving investment judgments. In all cases, the ultimate decision on voting proxies rests with the Trustees, acting as fiduciaries on behalf of the shareholders of the Funds. The Role of the Proxy Voting Service ----- The Funds have engaged an independent proxy voting service to assist in the voting of proxies. The proxy voting service is responsible for coordinating with the Funds' custodians to ensure that all proxy materials received by the custodians relating to the Funds' portfolio securities are processed in a timely fashion. To the extent applicable, the proxy voting service votes all proxies in accordance with the proxy voting guidelines established by the Trustees. The proxy voting service will refer proxy questions to the Proxy Coordinator (described below) for instructions under circumstances where: (1) the application of the proxy voting guidelines is unclear, (2) a particular proxy question is not covered by the guidelines, or (3) the guidelines call for specific instructions on a case-by-case basis. The proxy voting service is also requested to call to the Proxy Coordinator's attention specific proxy questions which, while governed by a guideline, appear to involve unusual or controversial issues. The Funds also utilize research services relating to proxy questions provided by the proxy voting service and by other firms. The Role of the Proxy Coordinator ------ Each year, a member of Fund Administration is appointed Proxy Coordinator to assist in the coordination and voting of the Funds' proxies. The Proxy Coordinator will deal directly with the proxy voting service and, in the case of proxy questions referred by the proxy voting service, will solicit voting recommendations and instructions from Fund Administration, the Chair of the Board Policy and Nominating Committee, and Putnam Management's investment professionals, as appropriate. The Proxy Coordinator is responsible for ensuring that these questions and referrals are responded to in a timely fashion and for transmitting appropriate voting instructions to the proxy voting service. Voting Procedures for Referral Items ------ As discussed above, the proxy voting service will refer proxy questions to the Proxy Coordinator under certain circumstances. When the application of the proxy voting guidelines is unclear or a particular proxy question is not covered by the guidelines (and does not involve investment considerations), the Proxy Coordinator will assist in interpreting the guidelines and, as appropriate, consult with the Senior Vice President of Fund Administration, the Executive Vice President of Fund Administration and the Chair of the Board Policy and Nominating Committee on how the Funds' shares will be voted. For proxy questions that require a case-by-case analysis pursuant to the guidelines or that are not covered by the guidelines but involve investment considerations, the Proxy Coordinator will refer such questions, through a written request, to Putnam Management's investment professionals for a voting recommendation. Such referrals will be made in cooperation with the person or persons designated by Putnam Management's Legal and Compliance Department to assist in processing such referral items. In connection with each such referral item, the Legal and Compliance Department will conduct a conflicts of interest review, as described below under "Conflicts of Interest," and provide a conflicts of

interest report (the "Conflicts Report") to the Proxy Coordinator describing the results of such review. After receiving a referral item from the Proxy Coordinator, Putnam Management's investment professionals will provide a written recommendation to the Proxy Coordinator and the person or persons designated by the Legal and Compliance Department to assist in processing referral items. Such recommendation will set forth (1) how the proxies should be voted, (2) the basis and rationale for such recommendation, and (3) any contacts the investment professionals have had with respect to the referral item with non-investment personnel of Putnam Management or with outside parties (except for routine communications from proxy solicitors). The Proxy Coordinator will then review the investment professionals' recommendation and the Conflicts Report with the Senior Vice President and/or Executive Vice President in determining how to vote the Funds' proxies. The Proxy Coordinator will maintain a record of all proxy questions that have been referred to Putnam Management's investment professionals, the voting recommendation and the Conflicts Report. In some situations, the Proxy Coordinator, the Senior Vice President and/or the Executive Vice President may determine that a particular proxy question raises policy issues requiring consultation with the Chair of the Board Policy and Nominating Committee who, in turn, may decide to bring the particular proxy question to the Committee or the full board of Trustees for consideration. Conflicts of Interest ------ Occasions may arise where a person or organization involved in the proxy voting process may have a conflict of interest. A conflict of interest may exist, for example, if Putnam Management has a business relationship with (or is actively soliciting business from) either the company soliciting the proxy or a third party that has a material interest in the outcome of a proxy vote or that is actively lobbying for a particular outcome of a proxy vote. Any individual with knowledge of a personal conflict of interest (e.g., familial relationship with company management) relating to a particular referral item shall disclose that conflict to the Proxy Coordinator and the Legal and Compliance Department and otherwise remove himself or herself from the proxy voting process. The Legal and Compliance Department will review each item referred to Putnam Management's investment professionals to determine if a conflict of interest exists and will provide the Proxy Coordinator with a Conflicts Report for each referral item that (1) describes any conflict of interest; (2) discusses the procedures used to address such conflict of interest; and (3) discloses any contacts from parties outside Putnam Management (other than routine communications from proxy solicitors) with respect to the referral item not otherwise reported in an investment professional's recommendation. The Conflicts Report will also include written confirmation that any recommendation from an investment professional provided under circumstances where a conflict of interest exists was made solely on the investment merits and without regard to any other consideration. As adopted March 14, 2003 Item 8. Purchases of Equity Securities by Closed-End Management Investment ------ Companies and Affiliated Purchasers: Not applicable ----- Item 9. Submission of Matters to a Vote of Security Holders: ----- Not applicable Item 10. Controls and Procedures: -----(a) The registrant's principal executive officer and principal financial officer have concluded, based on their evaluation of the effectiveness of the design and operation of the registrant's disclosure controls and procedures as of a date within 90 days of the filing date of this report on Form N-CSR, that the design and operation of such procedures are generally effective to provide reasonable assurance that information required to be disclosed by the investment company in the reports that it files or submits under the Securities Exchange Act of 1934 is recorded, processed, summarized and reported within the time periods specified in the Commission's rules and forms. (b) Changes in internal control over financial reporting: Not applicable Item 11. Exhibits: ----- (a) The Code of Ethics of The Putnam Funds, which incorporates the Code of Ethics of Putnam Investments, is filed herewith. (b) A separate certification for each principal executive officer and principal financial officer of the registrant as required by Rule 30a-2 under the Investment Company Act of 1940, as amended, and the officer certifications as required by Section 906 of the Sarbanes-Oxley Act of 2002 are filed herewith. SIGNATURES Pursuant to the requirements of the Securities Exchange Act of 1934 and the Investment Company Act of 1940, the registrant has duly