

We Need Your Vote

Please vote today on matters affecting your investment in the Putnam funds.

Your prompt response to this proxy statement is important.

Voting now can help save costs.



Online



Phone



Mail

A message from Putnam Investments and the Trustees of the Putnam funds

A few minutes of your time now can help save time and expenses later.

Dear Fellow Shareholder:

We are asking for your vote on important matters affecting your investment in the Putnam funds. The Putnam funds will hold a special shareholder meeting on February 27, 2014 in Boston, Massachusetts. We are asking you — and all shareholders — to consider and vote on the important matters described below.

You may conveniently vote by:

- **Visiting** the website listed on the proxy card.
- **Calling** by telephone, using the toll-free number listed on the proxy card.
- **Mailing** the enclosed proxy card — be sure to sign, date, and return the card in the enclosed postage-paid envelope.

Of course, you are also welcome to attend the special shareholder meeting on February 27, 2014 and vote your shares in person.

The Trustees of the Putnam funds unanimously recommend that you vote “FOR” all proposals described below.

- 1. Approving new management contracts.** Shareholders of all Putnam funds, including your fund, are being asked to approve a new management contract with Putnam Investment Management, LLC (“Putnam Management”), your fund’s investment adviser. The proposed new management contract is identical (except for its effective date and initial term and certain non-substantive changes) to your fund’s current management contract with Putnam Management.

On October 8, 2013, The Honourable Paul G. Desmarais, who was the controlling shareholder of Power Corporation of Canada, Putnam Management’s ultimate parent company, passed away. Upon his death, voting control of the shares of Power Corporation of Canada that Mr. Desmarais controlled was transferred to a family trust. (See pages 4 to 5 for further details.) The transfer of voting control of these shares may have constituted an “assignment” of the management contract between Putnam Management and your fund, resulting in its automatic termination as required by law. The transfer of voting control will not have any practical impact on the operations of Putnam Management or your fund. You are being asked to approve a new management contract for your fund to ensure that Putnam Management is able to continue to manage your fund.

- 2. Electing Trustees.** Shareholders of all open-end Putnam funds are being asked to elect Trustees at the upcoming special meeting. (Shareholders of the closed-end Putnam funds will be asked to elect Trustees at their 2014 annual meeting, expected to be held in April 2014.) Although Trustees do not manage fund portfolios, they play an important role in protecting shareholders. Trustees are responsible for approving the fees paid to your fund’s investment adviser and its affiliates, reviewing overall fund expenses, selecting the fund’s auditors, monitoring conflicts of interest, overseeing the fund’s compliance with federal securities laws, and voting proxies for the fund’s portfolio securities. All but one of your fund’s Trustees currently are independent of the fund and Putnam Management.
- 3. Approving an Amended and Restated Declaration of Trust.** Shareholders of all open-end Putnam funds are being asked to authorize the Trustees to adopt a single form of Amended and Restated Declaration of Trust for each Trust. The open-end Putnam funds operate under thirty-eight distinct

declarations of trust, which were created at different times in the past and differ from each other in several ways. The Amended and Restated Declaration of Trust will benefit the affected funds by harmonizing the terms of these governing documents, eliminating the inefficiencies inherent in operating under a variety of declarations of trust, allowing increased flexibility in the operation of your fund, modernizing and streamlining governance provisions, reducing the risks and costs of potential litigation and eliminating certain ambiguities and inconsistencies.

4. Other Matters. Shareholders of three funds are being asked to approve changes to certain investment policies designed to conform their operations with those of other Putnam funds.

Detailed information regarding these proposals may be found in the enclosed proxy statement.

Please vote today

We encourage you to sign and return your proxy card today or, alternatively, to vote online or by telephone using the voting control number that appears on your proxy card. Delaying your vote will increase fund expenses if further mailings are required. Your shares will be voted on your behalf exactly as you have instructed. **If you sign the proxy card without specifying your vote, your shares will be voted in accordance with the Trustees' recommendations.**

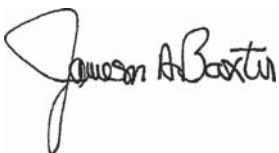
Your vote is extremely important. If you have questions, please call toll-free 1-866-963-5821 or contact your financial advisor.

We appreciate your participation and prompt response, and thank you for investing in the Putnam funds.

Sincerely yours,



Robert L. Reynolds
President and Chief Executive Officer
Putnam Investments



Jameson A. Baxter
Chair, Board of Trustees
The Putnam funds

December 23, 2013



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PROXY CARD(S) ENCLOSED

If you have any questions, please call toll-free 1-866-963-5821 or call your financial advisor.

Important Notice Regarding the Availability of Proxy Materials for the Special Shareholder Meeting to be Held on February 27, 2014.

The proxy statement is available at www.proxy-direct.com/put-25215.

Notice of a Special Meeting of Shareholders

To the Shareholders of:

PUTNAM AMERICAN GOVERNMENT INCOME FUND

PUTNAM ARIZONA TAX EXEMPT INCOME FUND

PUTNAM ASSET ALLOCATION FUNDS

PUTNAM DYNAMIC ASSET ALLOCATION

BALANCED FUND

PUTNAM DYNAMIC ASSET ALLOCATION

CONSERVATIVE FUND

PUTNAM DYNAMIC ASSET ALLOCATION GROWTH FUND

PUTNAM CALIFORNIA TAX EXEMPT INCOME FUND

PUTNAM CONVERTIBLE SECURITIES FUND

PUTNAM DIVERSIFIED INCOME TRUST

PUTNAM EQUITY INCOME FUND

PUTNAM EUROPE EQUITY FUND

THE PUTNAM FUND FOR GROWTH AND INCOME

PUTNAM FUNDS TRUST

PUTNAM ABSOLUTE RETURN 100 FUND

PUTNAM ABSOLUTE RETURN 300 FUND

PUTNAM ABSOLUTE RETURN 500 FUND

PUTNAM ABSOLUTE RETURN 700 FUND

PUTNAM ASIA PACIFIC EQUITY FUND

PUTNAM CAPITAL SPECTRUM FUND

PUTNAM DYNAMIC ASSET ALLOCATION EQUITY FUND

PUTNAM DYNAMIC RISK ALLOCATION FUND

PUTNAM EMERGING MARKETS EQUITY FUND

PUTNAM EMERGING MARKETS INCOME FUND

PUTNAM EQUITY SPECTRUM FUND

PUTNAM FLOATING RATE INCOME FUND

PUTNAM GLOBAL CONSUMER FUND

PUTNAM GLOBAL DIVIDEND FUND

PUTNAM GLOBAL ENERGY FUND

PUTNAM GLOBAL FINANCIALS FUND

PUTNAM GLOBAL INDUSTRIALS FUND

PUTNAM GLOBAL SECTOR FUND

PUTNAM GLOBAL TECHNOLOGY FUND

PUTNAM GLOBAL TELECOMMUNICATIONS FUND

PUTNAM INTERMEDIATE-TERM MUNICIPAL INCOME FUND

PUTNAM INTERNATIONAL VALUE FUND

PUTNAM LOW VOLATILITY EQUITY FUND

PUTNAM MONEY MARKET LIQUIDITY FUND

PUTNAM MULTI-CAP CORE FUND

PUTNAM RETIREMENT INCOME FUND LIFESTYLE 2

PUTNAM RETIREMENT INCOME FUND LIFESTYLE 3

PUTNAM SHORT DURATION INCOME FUND

PUTNAM SHORT TERM INVESTMENT FUND

PUTNAM SHORT-TERM MUNICIPAL INCOME FUND

PUTNAM SMALL CAP GROWTH FUND

PUTNAM STRATEGIC VOLATILITY EQUITY FUND

**THE GEORGE PUTNAM FUND OF BOSTON (d/b/a GEORGE
PUTNAM BALANCED FUND)**

PUTNAM GLOBAL EQUITY FUND

PUTNAM GLOBAL HEALTH CARE FUND

PUTNAM GLOBAL INCOME TRUST

PUTNAM GLOBAL NATURAL RESOURCES FUND

PUTNAM GLOBAL UTILITIES FUND

PUTNAM HIGH INCOME SECURITIES FUND*

PUTNAM HIGH YIELD ADVANTAGE FUND

PUTNAM HIGH YIELD TRUST

PUTNAM INCOME FUND

PUTNAM INTERNATIONAL EQUITY FUND

PUTNAM INVESTMENT FUNDS

PUTNAM CAPITAL OPPORTUNITIES FUND

PUTNAM GROWTH OPPORTUNITIES FUND

PUTNAM INTERNATIONAL CAPITAL

OPPORTUNITIES FUND

PUTNAM INTERNATIONAL GROWTH FUND

PUTNAM MULTI-CAP VALUE FUND

PUTNAM RESEARCH FUND

PUTNAM SMALL CAP VALUE FUND

PUTNAM INVESTORS FUND

PUTNAM MANAGED MUNICIPAL INCOME TRUST*

PUTNAM MASSACHUSETTS TAX EXEMPT INCOME FUND

PUTNAM MASTER INTERMEDIATE INCOME TRUST*

PUTNAM MUNICIPAL OPPORTUNITIES TRUST*

PUTNAM MICHIGAN TAX EXEMPT INCOME FUND

PUTNAM MINNESOTA TAX EXEMPT INCOME FUND

PUTNAM MONEY MARKET FUND

PUTNAM MULTI-CAP GROWTH FUND

PUTNAM NEW JERSEY TAX EXEMPT INCOME FUND

PUTNAM NEW YORK TAX EXEMPT INCOME FUND

PUTNAM OHIO TAX EXEMPT INCOME FUND

PUTNAM PENNSYLVANIA TAX EXEMPT INCOME FUND

PUTNAM PREMIER INCOME TRUST*

PUTNAM RETIREMENTREADY FUNDS

PUTNAM RETIREMENTREADY 2055 FUND

PUTNAM RETIREMENTREADY 2050 FUND

PUTNAM RETIREMENTREADY 2045 FUND

PUTNAM RETIREMENTREADY 2040 FUND

PUTNAM RETIREMENTREADY 2035 FUND

PUTNAM RETIREMENTREADY 2030 FUND

PUTNAM RETIREMENTREADY 2025 FUND

PUTNAM RETIREMENTREADY 2020 FUND

PUTNAM RETIREMENTREADY 2015 FUND

PUTNAM RETIREMENT INCOME FUND LIFESTYLE 1

PUTNAM TAX EXEMPT INCOME FUND

PUTNAM TAX EXEMPT MONEY MARKET FUND

PUTNAM TAX-FREE INCOME TRUST

PUTNAM AMT-FREE MUNICIPAL FUND

PUTNAM TAX-FREE HIGH YIELD FUND

PUTNAM U.S. GOVERNMENT INCOME TRUST

PUTNAM VARIABLE TRUST

PUTNAM VT ABSOLUTE RETURN 500 FUND

PUTNAM VT AMERICAN GOVERNMENT INCOME FUND

PUTNAM VT CAPITAL OPPORTUNITIES FUND
 PUTNAM VT DIVERSIFIED INCOME FUND
 PUTNAM VT EQUITY INCOME FUND
 PUTNAM VT GEORGE PUTNAM BALANCED FUND
 PUTNAM VT GLOBAL ASSET ALLOCATION FUND
 PUTNAM VT GLOBAL EQUITY FUND
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 PUTNAM VT INVESTORS FUND
 PUTNAM VT MONEY MARKET FUND

PUTNAM VT MULTI-CAP GROWTH FUND
 PUTNAM VT MULTI-CAP VALUE FUND
 PUTNAM VT RESEARCH FUND
 PUTNAM VT SMALL CAP VALUE FUND
 PUTNAM VT VOYAGER FUND

PUTNAM VOYAGER FUND

*** Denotes closed-end funds; all other funds are open-end funds**

This is the formal agenda for your fund’s special shareholder meeting. It tells you what proposals will be voted on and the time and place of the special meeting, in the event you attend in person.

A special meeting of shareholders of your fund will be held on February 27, 2014 at 11:00 a.m., Boston time, at the principal offices of the funds, One Post Office Square, Boston, Massachusetts 02109, to consider the following proposals, in each case as applicable to the particular funds listed in the table below:

Proposal	Proposal Description	Affected Funds
1.	Approving a new management contract for your fund	All funds
2.	Electing Trustees	All open-end funds
3.	Approving an Amended and Restated Declaration of Trust for your fund	All open-end funds
4.	Approving an amendment to a fundamental investment restriction with respect to investments in commodities	Putnam Dynamic Asset Allocation Conservative Fund
5.	Approving an amendment to a fundamental investment policy with respect to diversification of investments	Putnam Global Consumer Fund Putnam Global Financials Fund

By Michael J. Higgins, Clerk, and by the Trustees

Jameson A. Baxter, Chair

Liaquat Ahamed
 Ravi Akhoury
 Barbara M. Baumann
 Charles B. Curtis
 Robert J. Darretta
 Katinka Domotorffy
 John A. Hill
 Paul L. Joskow
 Kenneth R. Leibler
 Robert E. Patterson
 George Putnam, III
 Robert L. Reynolds
 W. Thomas Stephens

In order for you to be represented at your fund’s special shareholder meeting, we urge you to record your voting instructions over the Internet or by telephone or to mark, sign, date, and mail the enclosed proxy card(s) in the postage-paid envelope provided.

December 23, 2013

Proxy Statement

This document gives you the information you need to vote on the proposals. Much of the information is required under rules of the Securities and Exchange Commission; some of it is technical. If there is anything you don't understand, please call toll-free 1-866-963-5821 or call your financial advisor.

Why has a special meeting of shareholders been called?

The Investment Company Act of 1940, as amended (the "1940 Act"), which regulates investment companies such as your fund, requires management contracts to terminate automatically upon an "assignment" of the contract, which includes a "change of control" affecting an investment company's investment adviser. Until his death on October 8, 2013, The Honourable Paul G. Desmarais, directly and through holding companies controlled by him, controlled a majority of the voting shares of Power Corporation of Canada, the ultimate parent company of Putnam Management, your fund's investment adviser. Upon Mr. Desmarais' death, voting control over Power Corporation of Canada shares was transferred to The Desmarais Family Residuary Trust. Throughout this proxy statement, this transfer of voting control of Power Corporation of Canada shares is referred to as the "Transfer." Because Putnam Management is indirectly controlled by Power Corporation of Canada, the Transfer may have resulted in a change of control of Putnam Management and an assignment of your fund's management contract within the meaning of the 1940 Act. This means that, even though the Transfer will not have any impact on the operations of Putnam Management, it is possible that your fund's management contract with Putnam Management terminated automatically upon the Transfer. To eliminate any ambiguity as to the effectiveness of your fund's management contract, a special meeting of shareholders has been called so that shareholders may approve a new management contract with Putnam Management to allow Putnam Management to continue as your fund's investment adviser.

Will the Transfer affect Putnam Management?

The Transfer will not have any effect on the operations of Putnam Management or your fund.

Does the proposed new management contract differ from your fund's current management contract?

The proposed new management contract is identical to your fund's current management contract, except for its effective date and initial term and other non-substantive changes. There will be no change in the services that your fund will receive or to the fees and costs that your fund will bear.

What other proposals are being presented to shareholders at the special meeting?

In addition to being asked to approve a new management contract with Putnam Management, shareholders of all open-end Putnam funds are being asked to vote for the election of Trustees and to authorize the Trustees to adopt an Amended and Restated Declaration of Trust for your fund. Shareholders of Putnam

Dynamic Asset Allocation Conservative Fund are also being asked to approve an amendment to that fund's fundamental investment restriction with respect to commodities, and shareholders of Putnam Global Consumer Fund and Putnam Global Financials Fund are also being asked to approve an amendment to those funds' fundamental investment policies with respect to diversification of investments.

Who is asking for your vote?

The enclosed proxy is solicited by the Trustees of the Putnam funds for use at the special meeting of shareholders of each fund to be held on Thursday, February 27, 2014 and, if your fund's meeting is adjourned, at any later meetings, for the purposes stated in the Notice of a Special Meeting (see previous pages). The Notice of a Special Meeting, the proxy card and this proxy statement are being mailed beginning on or about December 23, 2013.

How do your fund's Trustees recommend that shareholders vote on the proposals?

The Trustees unanimously recommend that you vote **FOR** each proposal.

Who is eligible to vote?

Shareholders of record of each fund at the close of business on Monday, December 2, 2013 (the "Record Date") are entitled to be present and to vote at the special meeting or any adjournment.

The number of shares of each fund outstanding on the Record Date is shown in **Appendix A**. Each share is entitled to one vote, with fractional shares voting proportionately. Shares represented by your duly executed proxy card will be voted in accordance with your instructions. If you sign and return the proxy card but don't fill in a vote, your shares will be voted in accordance with the Trustees' recommendations. If any other business comes before your fund's special meeting, your shares will be voted at the discretion of the persons designated on the proxy card.

Shareholders of each fund vote separately with respect to the proposal to approve a new management contract and the proposed changes in investment policies. Shareholders of all series of a trust vote together with respect to the other proposals. The name of each trust is indicated in bold in the Notice of a Special Meeting of Shareholders on pages 1 and 2, with the funds that are series of that trust appearing below its name. The outcome of a vote affecting one fund does not affect any other fund, except where series of a trust vote together as a single class. No proposal is contingent upon the outcome of any other proposal.

The Proposals

1. APPROVING A NEW MANAGEMENT CONTRACT FOR YOUR FUND

Background Information

Putnam Management, your fund's investment adviser, is majority owned (indirectly through other companies) by Power Corporation of Canada, a diversified international management and holding company with interests in companies in the financial services, communications and other business sectors. Until his death on

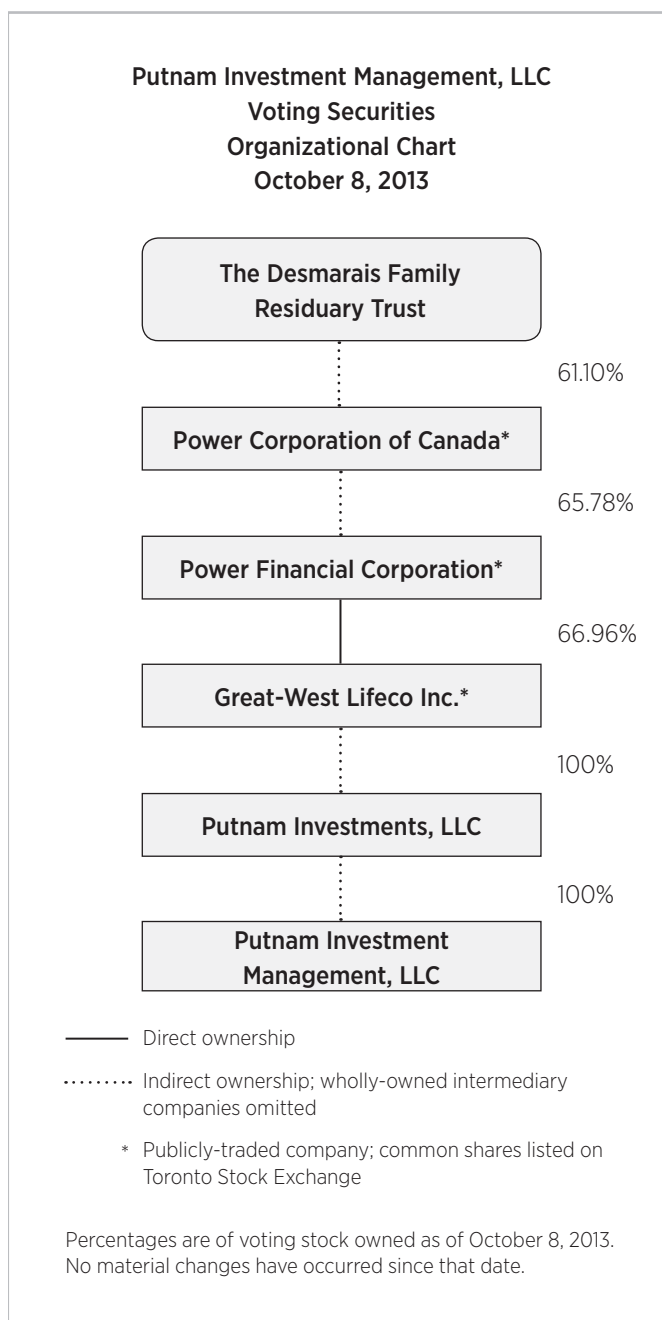
October 8, 2013, The Honourable Paul G. Desmarais controlled a majority of the voting shares of Power Corporation of Canada, directly and through holding companies that he controlled.

Since 1996, Mr. Desmarais' two sons, Paul Desmarais, Jr. and André Desmarais, have managed the day-to-day affairs of Power Corporation of Canada, serving as Chairman and Co-Chief Executive Officer and President and Co-Chief Executive Officer, respectively. Until his death, The Honourable Paul G. Desmarais served as Director of Power Corporation of Canada and Chairman of the Executive Committee of the Board of Directors. He also served as Director of Power Financial Corporation, a majority-owned subsidiary of Power Corporation of Canada, and continued to exercise voting control over a majority of the voting shares of Power Corporation of Canada. However, he did not participate actively in the management or affairs of Putnam Investments, LLC, the parent company of Putnam Management ("Putnam Investments"). Paul Desmarais, Jr. and André Desmarais, in addition to their executive roles at Power Corporation of Canada, are active members of the Boards of Directors of numerous subsidiaries of Power Corporation of Canada, including Putnam Investments.

Following Mr. Desmarais' death, voting control of the shares of Power Corporation of Canada that he owned directly and controlled indirectly was transferred to The Desmarais Family Residuary Trust, a trust established pursuant to the Last Will and Testament of The Honourable Paul G. Desmarais. (This transfer of voting control of Power Corporation of Canada shares is referred to as the "Transfer" throughout this proxy statement.) There are five trustees of The Desmarais Family Residuary Trust, consisting of Mr. Desmarais' two sons, Paul Desmarais, Jr. and André Desmarais, his widow, Jacqueline Desmarais, and Guy Fortin and Michel Plessis-Bélair. Under the terms of the trust, the family member trustees (or the family member successor trustees) effectively determine how the shares of Power Corporation of Canada owned or controlled by The Desmarais Family Residuary Trust will be voted. As a practical matter, it is generally expected that, while they serve as trustees, Paul Desmarais, Jr. and André Desmarais will exercise, jointly, voting control over the Power Corporation of Canada shares owned or controlled by the trust.

The trustees have the responsibility to manage the affairs of The Desmarais Family Residuary Trust, which include managing the trust property, distributing income to its designated beneficiaries, voting the shares of Power Corporation of Canada owned or controlled by the trust, and complying with the terms of the trust more generally. The family member trustees determine who will replace any of the trustees, provided that the family member trustees must be replaced with members of the Desmarais family and that the non-family member trustees must be replaced with non-family members. The ultimate beneficiaries of the principal of the trust, including any shares of Power Corporation of Canada owned by The Desmarais Family Residuary Trust, will be determined only upon the occurrence of future events, though it is generally contemplated that current and future members of the Desmarais family will be the ultimate beneficiaries.

The Transfer has not impacted the ownership of any of the companies owned, directly or indirectly, by Power Corporation of Canada. As indicated in the accompanying chart, Power Corporation of Canada continues to own a majority of the voting shares of Power Financial Corporation, which in turn owns a majority of the voting shares of Great-West Lifeco Inc. All of the voting shares of Putnam Investments are owned by Great-West Lifeco Inc. Putnam Investments, through a series of wholly-owned holding companies, is the sole owner of Putnam Management. The address of The Desmarais Family Residuary Trust is 759 Victoria Square, Montreal, Quebec H2Y 2J7. The address of Power Corporation of Canada and Power Financial Corporation is 751 Victoria Square, Montreal, Quebec H2Y 2J3. The address of Great-West Lifeco Inc. is 100 Osborne Street North, Winnipeg, Manitoba, R3C 3A5. The address of Putnam Investments and Putnam Management is One Post Office Square, Boston, Massachusetts 02109.



Representatives of Power Corporation of Canada, Power Financial Corporation, and Great-West Lifeco have confirmed that the Transfer will not impact Putnam Investments' operations. Paul Desmarais, Jr. and André Desmarais, who as trustees of The Desmarais Family Residuary Trust are expected to determine how to vote the shares of Power Corporation of Canada that are controlled by the trust, continue to serve as Co-Chief Executive Officers of Power Corporation of Canada and as Directors of Putnam Investments. In these roles, they will continue to oversee the operations and affairs of Power Corporation of Canada and its subsidiary companies, including Putnam Investments. Putnam Investments will continue to operate as a separate business unit within the Power Corporation of Canada group of companies, overseen by its separate Board of Directors, and will retain its existing management team. There are no current plans to make any changes to the operations of the funds as a result of the Transfer. In particular, the funds have been advised that there are no current plans to make changes with respect to existing management fees, expense limitations, distribution arrangements, or the quality of any services provided to the funds or their shareholders as a result of the Transfer. In addition, the Putnam brand, Putnam Investments' current business strategy and Putnam Management's investment management philosophy will not change as a result of the Transfer and there will not be any disruption or change for fund shareholders or the Putnam organization.

Although the Transfer is unrelated to, and will not have any impact on, the operations of Putnam Management and your fund, it is possible that the Transfer, as a technical matter under the 1940 Act, constitutes a "change of control" of Putnam Management. Under the 1940 Act, which regulates investment companies such as the Putnam funds, investment advisory contracts are required to terminate automatically when there is a change of control of the investment adviser. Fund shareholders must then approve new investment advisory contracts so that the fund may continue to receive advisory services.

The Interim Management Contracts

Each of the Putnam funds' management contracts with Putnam Management terminates automatically in the event of an "assignment." In light of the possibility that the Transfer constituted a change of control of Putnam Management and therefore an assignment of your fund's management contract, Putnam Management is currently providing services to your fund under an interim management contract.

Rule 15a-4 under the 1940 Act allows an investment company to enter into an interim management contract with a maximum term of 150 days without first obtaining shareholder approval, so that the investment company may receive investment management services without interruption following an assignment of a previous management contract. Shortly after Mr. Desmarais' death, the Putnam funds' Board of Trustees met in person on October 18, 2013 and approved interim management contracts for each of the Putnam funds, effective as of October 8, 2013.

Consistent with the 1940 Act and Rule 15a-4 thereunder, each interim management contract will continue in effect until the earlier to occur of (i) approval by a "majority of the outstanding voting securities," as defined in the 1940 Act, of a new management contract and (ii) March 7, 2014, which is the 150th day after October 8, 2013, unless the Securities and Exchange Commission or its staff permit the contract to remain in effect for a longer period. Each fund's interim management contract is identical to the contract it replaced, except for its date and the provisions regarding the term of the contract and for certain non-substantive changes.

The Proposed New Management Contract; Comparison with your Fund's Prior Management Contract

To eliminate any ambiguity as to the status of your fund's management contract, the Trustees have concluded that it is in the best interests of your fund's shareholders to call a special meeting so that shareholders may approve a new management contract with Putnam Management and Putnam Management can continue as your fund's investment adviser. At an in-person meeting on November 21 and 22, 2013, the Trustees unanimously approved, and recommend to the shareholders of each fund that they approve, a new management contract between each fund and Putnam Management. The form of the proposed new management contract for your fund is attached at **Appendix B**. You should refer to **Appendix B** for the complete terms of your fund's proposed management contract.

The terms of the proposed new management contract (described generally below) are identical to those of the previous management contract except for the effective dates and initial term and for certain non-substantive changes. The date of each fund's previous management contract, the date on which it was last submitted to a vote of shareholders, and the purpose of the submission is set forth in **Appendix C**.

Fees. There is no change in the rate of the fees that the funds will pay Putnam Management under the proposed new management contracts. The current fee schedule for investment management services and administrative services for each fund is set forth in **Appendix D**. The actual fees paid by some funds are subject to expense limitations, which are unaffected by the Transfer.

Investment Management Services. The proposed new management contract for your fund provides that Putnam Management will furnish continuously an investment program for the fund, determining what investments to purchase, hold, sell or exchange and what portion of the fund's assets will be held uninvested, in compliance with the fund's governing documents, investment objectives, policies and restrictions, and subject to the oversight and control of the Trustees. As indicated above, Putnam Management's responsibilities under the proposed new management contract are identical to those under both the previous management contract and the current interim management contract.

Putnam Management is authorized under the proposed new management contract to place orders for the purchase and sale of portfolio investments for your fund with brokers or dealers that Putnam Management selects. Putnam Management must select brokers and dealers, and place orders, using its best efforts to obtain for the funds the most favorable price and execution available, except that Putnam Management may pay higher brokerage commissions if it determines in good faith that the commission is reasonable in relation to the value of brokerage and research services provided by the broker or dealer (a practice commonly known as “soft dollars”). Putnam Management may make this determination in terms of either the particular transaction or Putnam Management’s overall responsibilities with respect to a fund and to other clients of Putnam Management for which Putnam Management exercises investment discretion. Putnam Management’s use of soft dollars is subject to policies established by the Trustees from time to time and applicable guidance issued by the Securities and Exchange Commission.

Delegation of Responsibilities. The proposed new management contract for your fund expressly provides that Putnam Management may, in its discretion and with the approval of the Trustees (including a majority of the Trustees who are not “interested persons”) and, if required, the approval of shareholders, delegate responsibilities under the contract to one or more sub-advisers or sub-administrators. The separate costs of employing any sub-adviser or sub-administrator must be borne by Putnam Management or the sub-adviser or sub-administrator, not by the fund. Putnam Management is responsible for overseeing the performance of any sub-adviser or sub-administrator and remains fully responsible to the fund under the proposed new management contract regardless of whether it delegates any responsibilities.

At present, Putnam Management has delegated certain responsibilities to affiliated sub-advisers, as described below under the heading “Sub-Adviser Arrangements.” The sub-management and sub-advisory contracts governing these arrangements, like the management contracts, terminate upon a change of control of Putnam Management. In connection with their approval of the interim management contracts, the Trustees approved the continuance of the existing sub-management and sub-advisory contracts with these sub-advisers at their in-person meeting held on October 18, 2013. If your fund’s shareholders approve the proposed new management contract, pursuant to the new management contract, Putnam Management will enter into equivalent sub-management and sub-advisory contracts with these affiliated sub-advisers, effective at the time the new management contract becomes effective. See “Sub-Adviser Arrangements” below for a description of the sub-advisers, and see **Appendix E** for copies of the current sub-management and sub-advisory contracts. The new sub-management and sub-advisory contracts will be identical to the current sub-management and sub-advisory contracts except for their

effective dates and initial term. Consistent with current law and interpretations of the Securities and Exchange Commission staff, it is not necessary for shareholders to approve the sub-management and sub-advisory contracts. (Shareholder approval would be required were Putnam Management to delegate any of its advisory responsibilities to advisers that are not subsidiaries of Putnam Investments.) Shareholders should be aware that a vote to approve your fund’s new management contract will have the effect of voting for the continuation of these arrangements.

Administrative Services. Like the previous management contract and the current interim management contract, the proposed new management contract provides that Putnam Management will manage, supervise and conduct the other (*i.e.*, non-investment) affairs and business of each fund and incidental matters. These administrative services include providing suitable office space for the fund and administrative facilities, such as bookkeeping, clerical personnel and equipment necessary for the efficient conduct of the fund’s affairs, including determination of the net asset value of the fund, but excluding shareholder accounting services.

Putnam Management has delegated certain administrative, pricing and bookkeeping services to State Street Bank and Trust Company. This delegation was not affected by the Transfer.

Expenses. Like the previous management contract and the current interim management contract, the proposed new management contract requires Putnam Management to bear the expenses associated with (i) furnishing all necessary investment and management facilities, including salaries of personnel, required for it to execute its duties faithfully, (ii) providing suitable office space for each fund and (iii) providing administrative services. Like the previous and interim management contracts, the proposed new management contract also provides that the fund will pay the fees of its Trustees and will reimburse Putnam Management for compensation paid to officers and persons assisting officers of the fund, and all or part of the cost of suitable office space, utilities, support services and equipment used by such officers and persons, as the Trustees may determine. Under this provision, the fund will bear the costs of the Trustees’ independent staff, which assists the Trustees in overseeing each of the funds.

Term and Termination. If approved by shareholders of your fund, the proposed new management contract will become effective upon its execution and will remain in effect continuously, unless terminated under the termination provisions of the contract. Like the previous management contract and the current interim management contract, the proposed new management contract provides that the management contract may be terminated at any time, by either Putnam Management or the fund by not less than 60 days’ written notice to the other party and without the payment of any penalty by Putnam Management or the fund. A fund may effect termination by vote of a majority of its Trustees or by the affirmative vote of a “majority of the outstanding voting

securities” of the fund, as defined in the 1940 Act. The proposed new management contract also will terminate automatically in the event of its “assignment.”

The proposed new management contract will, unless terminated as described above, continue until June 30, 2014 and will continue in effect from year to year thereafter so long as its continuance is approved at least annually by (i) the Trustees of the fund or the shareholders by the affirmative vote of a “majority of the outstanding voting securities” of the fund, as defined in the 1940 Act, and (ii) a majority of the Trustees who are not “interested persons” of the fund or of Putnam Management, by vote cast in person at a meeting called for the purpose of voting on such approval.

Limitation of Liability. Under the proposed new management contract, Putnam Management is not liable to a fund or to any shareholder of the fund for any act or omission in the course of, or connected with, rendering services under the proposed management contract, unless there is willful misfeasance, bad faith or gross negligence on the part of Putnam Management or reckless disregard of its obligations and duties under the proposed management contract.

As required under each fund’s Declaration of Trust, the proposed new management contract contains a notice provision stating that the fund’s Declaration of Trust is on file with the Secretary of The Commonwealth of Massachusetts and that the proposed management contract is executed on behalf of the Trustees as Trustees of the fund and not individually. Also, the fund’s obligations arising out of the proposed management contract are limited only to the assets and property of the

fund and are not binding on any of the Trustees, officers or shareholders individually.

Amendments; Defined Terms. The proposed new management contract may only be amended in writing, and any amendments must be approved in a manner consistent with the 1940 Act, the rules and regulations under the 1940 Act and any applicable guidance or interpretations of the Securities and Exchange Commission or its staff. Similarly, certain terms used in the proposed new management contract are used as defined in the 1940 Act, the rules and regulations under the 1940 Act and any applicable guidance or interpretation of the Securities and Exchange Commission or its staff.

Sub-Adviser Arrangements

Sub-Management Contract. Putnam Management has retained an affiliate, Putnam Investments Limited (“PIL”), as the sub-manager for a portion of a fund’s assets as determined by Putnam Management from time to time (an “Allocated Sleeve”). PIL is currently authorized to serve as the sub-manager, to the extent determined by Putnam Management from time to time, for each of the funds. PIL is a wholly owned subsidiary of The Putnam Advisory Company, LLC (“PAC”), which is itself a subsidiary of Putnam Investments.

PIL serves as sub-manager for the funds under a sub-management contract between Putnam Management and PIL. Under the sub-management contract, Putnam Management (and not the fund) pays a quarterly sub-management fee to PIL for its services at the annual rates set forth in the accompanying table, in each case measured as a percentage of the average aggregate net asset value of assets invested in an Allocated Sleeve.

Fee	Funds Covered by Sub-Management Fee	
0.40%	Putnam AMT-Free Municipal Fund Putnam Arizona Tax Exempt Income Fund Putnam California Tax Exempt Income Fund Putnam Diversified Income Trust Putnam Emerging Markets Income Fund Putnam Floating Rate Income Fund The George Putnam Fund of Boston (d/b/a George Putnam Balanced Fund) Putnam Global Income Trust Putnam High Income Securities Fund Putnam High Yield Advantage Fund Putnam High Yield Trust Putnam Intermediate-Term Municipal Income Fund Putnam Managed Municipal Income Trust Putnam Massachusetts Tax Exempt Income Fund	Putnam Master Intermediate Income Trust Putnam Michigan Tax Exempt Income Fund Putnam Minnesota Tax Exempt Income Fund Putnam Municipal Opportunities Trust Putnam New Jersey Tax Exempt Income Fund Putnam New York Tax Exempt Income Fund Putnam Ohio Tax Exempt Income Fund Putnam Pennsylvania Tax Exempt Income Fund Putnam Premier Income Trust Putnam Tax Exempt Income Fund Putnam Tax-Free High Yield Fund Putnam VT Diversified Income Fund Putnam VT George Putnam Balanced Fund Putnam VT High Yield Fund
0.25%	Putnam American Government Income Fund Putnam Income Fund Putnam Money Market Fund Putnam Short Duration Income Fund Putnam Short-Term Municipal Income Fund	Putnam Tax Exempt Money Market Fund Putnam U.S. Government Income Trust Putnam VT American Government Income Fund Putnam VT Income Fund Putnam VT Money Market Fund
0.20%	Putnam Money Market Liquidity Fund Putnam Short Term Investment Fund	
0.35%	All other funds	

Under the terms of the sub-management contract, PIL, at its own expense, furnishes continuously an investment program for the portion of each fund that Putnam Management allocates to PIL from time to time and makes investment decisions on behalf of these portions of the fund, subject to Putnam Management's supervision. Putnam Management may also, at its discretion, request PIL to provide assistance with purchasing and selling securities for the fund, including order placement with certain broker-dealers. PIL, at its expense, furnishes all necessary investment and management facilities, including salaries of personnel, required for it to execute its duties.

The sub-management contract provides that PIL is not subject to any liability to Putnam Management, the fund or any shareholder of the fund for any act or omission in the course of or connected with rendering services to the fund in the absence of PIL's willful misfeasance, bad faith, gross negligence or reckless disregard of its obligations and duties.

The sub-management contract may be terminated with respect to a fund without penalty by vote of the Trustees or the shareholders of the fund, or by PIL or Putnam Management, on not less than 30 days' nor more than 60 days' written notice. The sub-management contract also terminates without payment of any penalty in the event of its assignment. Subject to applicable law, it may be amended by a majority of the Trustees who are not "interested persons" of Putnam Management or the fund. The sub-management contract provides that it will continue in effect only so long as such continuance is approved at least annually by vote of either the Trustees or the shareholders and, in either case, by a majority of the Trustees who are not "interested persons" of Putnam Management or the fund. In each of the foregoing cases, the vote of the shareholders is

the affirmative vote of a "majority of the outstanding voting securities" as defined in the 1940 Act.

Sub-Advisory Contract. PAC has been retained as a sub-adviser for a portion of the assets of the funds identified in the accompanying table (collectively referred to as the "PAC Funds") as determined from time to time by Putnam Management or, with respect to portions of such fund's assets for which PIL acts as sub-adviser as described above, by PIL.

PAC serves as sub-adviser under the sub-advisory contract. Pursuant to the terms of the sub-advisory contract, Putnam Management or, with respect to portions of a PAC Fund's assets for which PIL acts as sub-manager, PIL (and not the fund) pays a quarterly sub-advisory fee to PAC for its services at the annual rate of 0.35% of the average aggregate net asset value of the portion of such fund with respect to which PAC acts as sub-adviser.

Under the terms of the sub-advisory contract, PAC, at its own expense, furnishes continuously an investment program for that portion of a fund that is allocated to PAC from time to time by Putnam Management or PIL, as applicable, and makes investment decisions on behalf of such portion of the fund, subject to the supervision of Putnam Management or PIL, as applicable. PAC, at its expense, furnishes all necessary investment and management facilities, including salaries of personnel, required for it to execute its duties.

The sub-advisory contract provides that PAC is not subject to any liability to Putnam Management, PIL, a PAC Fund or any shareholder of such fund for any act or omission in the course of or connected with rendering services to the fund in the absence of PAC's willful misfeasance, bad faith, gross negligence or reckless disregard of its obligations and duties.

The following is a complete list of the PAC Funds:

Putnam Absolute Return 100 Fund
Putnam Absolute Return 300 Fund
Putnam Absolute Return 500 Fund
Putnam Absolute Return 700 Fund
Putnam Asia Pacific Equity Fund
Putnam Capital Spectrum Fund
Putnam Dynamic Asset Allocation Balanced Fund
Putnam Dynamic Asset Allocation Conservative Fund
Putnam Dynamic Asset Allocation Equity Fund
Putnam Dynamic Asset Allocation Growth Fund
Putnam Emerging Markets Equity Fund
Putnam Equity Spectrum Fund
Putnam Europe Equity Fund
Putnam Global Consumer Fund
Putnam Global Dividend Fund
Putnam Global Energy Fund
Putnam Global Equity Fund
Putnam Global Financials Fund
Putnam Global Health Care Fund
Putnam Global Industrials Fund

Putnam Global Natural Resources Fund
Putnam Global Sector Fund
Putnam Global Technology Fund
Putnam Global Telecommunications Fund
Putnam Global Utilities Fund
Putnam International Equity Fund
Putnam International Growth Fund
Putnam International Value Fund
Putnam Research Fund
Putnam Retirement Income Fund Lifestyle 2
Putnam Retirement Income Fund Lifestyle 3
Putnam VT Absolute Return 500 Fund
Putnam VT Global Asset Allocation Fund
Putnam VT Global Equity Fund
Putnam VT Global Health Care Fund
Putnam VT Global Utilities Fund
Putnam VT International Equity Fund
Putnam VT International Growth Fund
Putnam VT International Value Fund
Putnam VT Research Fund

The sub-advisory contract may be terminated without penalty by vote of the Trustees or the shareholders of the relevant PAC Fund, or by PAC, PIL or Putnam Management, on not less than 30 days' nor more than 60 days' written notice. The sub-advisory contract also terminates without payment of any penalty in the event of its assignment. Subject to applicable law, it may be amended by a majority of the Trustees who are not "interested persons" of Putnam Management or the PAC Fund. The sub-advisory contract provides that it will continue in effect only so long as its continuance is approved at least annually by vote of either the Trustees or shareholders of the respective PAC Fund and, in either case, by a majority of the Trustees who are not "interested persons" of Putnam Management or the PAC Fund. In each of the foregoing cases, the vote of the shareholders of a PAC Fund is the affirmative vote of a "majority of the outstanding voting securities" as defined in the 1940 Act.

To the extent that the Transfer may have constituted a "change of control" of Putnam Management, terminating automatically the funds' previous management contracts, then the funds' sub-management contract and the sub-advisory contract would also have terminated. To ensure that your fund did not lose the benefit of PIL's or PAC's services, at their in-person meeting held on October 18, 2013, the Trustees approved the continuance of the sub-management contract with PIL and the sub-advisory contract with PIL and PAC. The sub-management contract and sub-advisory contract are not interim in nature and will continue in effect through June 30, 2014. However, as described above, Putnam Management, PIL and PAC intend to enter into new sub-management and sub-advisory contracts contemporaneously with the execution of the proposed new management contracts if the new management contracts are approved by fund shareholders. See **Appendix E** for copies of the current sub-management and sub-advisory contracts.

What did the Trustees consider in evaluating the proposed new management contracts?

In considering whether to approve the proposed new management contracts, as well as the interim management contracts, the Trustees took into account that they had recently approved the annual continuation of all of the previous management contracts and the sub-management and sub-advisory contracts for the Putnam funds in June 2013. That approval, on which the Trustees voted at an in-person meeting held on June 20 and 21, 2013, followed a lengthy process during which the Trustees considered a variety of factors that the Trustees considered to have a bearing on the contracts. **Appendix F** contains a general description of the Trustees' deliberations.

At their in-person meeting on October 18, 2013, the Trustees, including the Trustees who are not "interested persons" as defined in the 1940 Act, considered the potential implications of Mr. Desmarais' death and the Transfer. To address the possibility that the Transfer constituted an assignment of the funds' management contracts, on October 18, 2013, the Trustees unanimously voted to approve interim management contracts for the funds.

The Trustees considered that, except for certain non-substantive changes, the effective date (October 8, 2013) and duration (until the earlier of either (i) March 7, 2014 (which, pursuant to Rule 15a-4 under the 1940 Act, represents the maximum allowable 150-day duration of an interim management contract) or (ii) the effective date of new management contracts that have been approved by fund shareholders, unless the Securities and Exchange Commission or its staff permits the contracts' continuance through a later date), the interim management contracts were identical to the funds' previous management contracts. Under the interim management contracts, Putnam Management provides investment advisory services to each fund on essentially the same terms and conditions, and for the same fees, as it did under the previous management contracts.

On November 21 and 22, 2013, the Trustees met in person to discuss further the Transfer and the possibility that a change of control of Putnam Management had occurred. The Trustees considered the approval of new management contracts for each fund, proposed to become effective upon their execution following approval by shareholders, as well as calling a special meeting of fund shareholders and filing a preliminary proxy statement. They reviewed the terms of the proposed new management contracts and the disclosure included in the preliminary proxy statement. They noted that, as described above, the terms of the proposed new management contracts were identical to the previous management contracts, except for the effective dates and initial terms and for certain non-substantive changes. In particular, the Trustees considered:

- Information about the operations of The Desmarais Family Residuary Trust, including that Paul Desmarais, Jr. and André Desmarais, Mr. Desmarais' sons, were expected to exercise, jointly, voting control over the Power Corporation of Canada shares controlled by The Desmarais Family Residuary Trust.
- That Paul Desmarais, Jr. and André Desmarais had been playing active managerial roles at Power Corporation of Canada, with responsibility for the oversight of Power Corporation of Canada's subsidiaries, including Putnam Investments, since Power Corporation of Canada had acquired Putnam Investments in 2007, including serving as Directors of Putnam Investments, and that the Transfer would not affect their responsibilities as officers of Power Corporation of Canada.
- The intention expressed by representatives of Power Corporation of Canada, Power Financial Corporation, and Great-West Lifeco that there would be no change to the operations or management of Putnam Investments, to Putnam Management's management of the funds or to investment, advisory and other services provided to the funds by Putnam Management and its affiliates as a result of the Transfer.
- Putnam Management's assurances that, following the Transfer, Putnam Management would continue to provide the same level of services to each fund and that the Transfer will not have an adverse impact on the ability of Putnam Management and

its affiliates to continue to provide high quality investment advisory and other services to the funds.

- Putnam Management's assurances that there are no current plans to make any changes to the operations of the funds, existing management fees, expense limitations, distribution arrangements, or the quality of any services provided to the funds or their shareholders, as a result of the Transfer.
- The benefits that the funds have received and may potentially receive as a result of Putnam Management being a member of the Power Corporation of Canada group of companies, which promotes the stability of the Putnam organization.
- The commitment of Putnam Investments to bear a reasonable share of the expenses incurred by the Putnam funds in connection with the Transfer (see page 28 below).

Based upon the foregoing considerations, the Trustees concluded that, to eliminate any ambiguity as to the status of your fund's management contract, it was in the best interests of your fund's shareholders to call a special meeting so that shareholders may approve a new management contract with Putnam Management and Putnam Management can continue as your fund's investment adviser. On November 22, 2013, the Trustees, including all of the Trustees present who are not "interested persons" of the funds or Putnam Investments, unanimously approved the proposed new management contracts and determined to recommend their approval to the shareholders of the Putnam funds.

What is the voting requirement for approving the proposal?

Approval of your fund's proposed new management contract requires the affirmative vote of a "majority of the outstanding voting securities" of the fund, which is defined under the 1940 Act to be *the lesser of* (a) more than 50% of the outstanding shares of the fund, or (b) 67% or more of the shares of the fund present (in person or by proxy) at the special meeting if more than 50% of the outstanding shares of the fund are present at the meeting in person or by proxy. **The Trustees unanimously recommend that shareholders vote FOR the proposed new management contracts.**

2. ELECTING TRUSTEES

Affected funds: All open-end funds (*i.e.*, all funds except Putnam High Income Securities Fund, Putnam Managed Municipal Income Trust, Putnam Master Intermediate Income Trust, Putnam Municipal Opportunities Trust, and Putnam Premier Income Trust)

Who are the nominees for Trustees?

The Board Policy and Nominating Committee of the Board is responsible for making recommendations concerning the nominees for Trustees of your fund. The Board Policy and Nominating Committee consists solely of Trustees who are not "interested persons" (as defined in the 1940 Act) of your fund. Those Trustees who are not "interested persons" of your fund

are referred to as "Independent Trustees" in this Section II of this proxy statement.

The Board, based on the recommendation of the Board Policy and Nominating Committee, has fixed the number of Trustees of your fund at 14 and recommends that you vote for the election of the nominees described in the following pages. Each nominee is currently a Trustee of your fund and of the other Putnam funds.

Your fund does not regularly hold an annual shareholder meeting, but may from time to time schedule a special meeting. Except for Putnam Asia Pacific Equity Fund and Putnam International Value Fund, each of which held a special meeting in 2011, the last such meeting was held in 2009. Funds that commenced operations after 2009 have not yet held any shareholder meeting.

Biographical Information For The Fund's Nominees.

The Board's nominees for Trustees and their backgrounds are shown in the following pages. This information includes each nominee's name, year of birth, principal occupation(s) during the past five years, and other information about the nominee's professional background, including other directorships the nominee holds. Each Trustee oversees all of the Putnam funds and serves until the election and qualification of his or her successor, or until he or she sooner dies, resigns, retires, or is removed. The address of all of the Trustees is One Post Office Square, Boston, Massachusetts 02109. As of September 30, 2013, there were 116 Putnam funds.

Independent Trustees



Liaquat Ahamed (Born 1952)
Trustee since 2012

Mr. Ahamed is the Pulitzer Prize-winning author of *Lords of Finance: The Bankers Who Broke the World*. His articles on economics have appeared in the New York Times, Foreign Affairs, and the Financial Times.

Mr. Ahamed serves as a director of Aspen Insurance Co., a New York Stock Exchange company, and is the Chair of the Aspen Board's Investment Committee. He is a Trustee of the Brookings Institution, where he serves as Chair of the Investment Committee. He is also a director of the Rohatyn Group, an emerging-market fund complex that manages money for institutions. Mr. Ahamed was previously the Chief Executive Officer of Fischer Francis Trees & Watts, Inc., a fixed income investment management subsidiary of BNP Paribas. He was formerly the head of the investment division at the World Bank, and is a member of the Foreign Affairs Policy Board of the U.S. Department of State.

Mr. Ahamed holds a B.A. in economics from Trinity College, Cambridge University and an M.A. in economics from Harvard University.



Ravi Akhoury (Born 1947)

Trustee since 2009

Mr. Akhoury serves as a Trustee of the Rubin Museum, serving on the Investment Committee, and of the American India Foundation. Mr. Akhoury is also a Director of RAGE Frameworks, Inc. and English Helper, Inc. (each a private software company).

Previously, Mr. Akhoury served as a Director of Jacob Ballas Capital India (a non-banking finance company focused on private equity advisory services) and a member of its Compensation Committee. He was also a Director and on the Compensation Committee of MaxIndia/New York Life Insurance Company in India. He was also Vice President and Investment Policy Committee member of Fischer Francis Trees & Watts, a fixed income investment management firm. He has also served on the Board of Bharti Telecom (an Indian telecommunications company), serving as a member of its Audit and Compensation Committees, and as a Director and member of the Audit Committee on the Board of Thompson Press (a publishing company). From 1992 to 2007, he was Chairman and CEO of MacKay Shields, a multi-product investment management firm with over \$40 billion in assets under management.

Mr. Akhoury graduated from the Indian Institute of Technology with a B.S. in Engineering and obtained an M.S. in Quantitative Methods from SUNY at Stony Brook.



Barbara M. Baumann (Born 1955)

Trustee since 2010

Ms. Baumann is President and Owner of Cross Creek Energy Corporation, a strategic consultant to domestic energy firms and direct investor in energy projects.

Ms. Baumann currently serves as a Director of SM Energy Company (a publicly held U.S. exploration and production company) and UNS Energy Corporation (a publicly held electric and gas utility in Arizona). She is a director of Cody Resources management (a private company in the energy and ranching businesses). Ms. Baumann is a Trustee of Mount Holyoke College. She is a former Chair of the Board and a current Board member of Girls Inc. of Metro Denver, and serves on the Finance Committee of The Children's Hospital of Colorado, as well as the Investment Committee of The Denver Foundation.

Until May 2012, Ms. Baumann was a Director of CVR Energy (a publicly held petroleum refiner and fertilizer manufacturer). Prior to 2003, Ms. Baumann was Executive Vice President of Associated Energy Managers, a domestic private equity firm. From 1981 until 2000, she held a variety of financial and operational management positions with the global energy company Amoco Corporation and its successor, BP, most recently serving as Commercial Operations Manager of its Western Business Unit.

Ms. Baumann holds an M.B.A. from The Wharton School of the University of Pennsylvania and a B.A. from Mount Holyoke College.



Jameson A. Baxter (Born 1943)

Trustee since 1994, Vice Chair from 2005 to 2011 and Chair since 2011

Ms. Baxter is the President of Baxter Associates, Inc., a private investment firm.

Ms. Baxter serves as Chair of the Mutual Fund Directors Forum, Director of the Adirondack Land Trust and Trustee of the Nature Conservancy's Adirondack Chapter. Until 2011, Ms. Baxter was a director of ASHTA Chemical, Inc. Until 2007, she was a Director of Banta Corporation (a printing and supply chain management company), Ryerson, Inc. (a metals service corporation), and Advocate Health Care. She has also served as a director on a number of other boards, including BoardSource (formerly the National Center for Nonprofit Boards), Intermatic Corporation (a manufacturer of energy control products), and MB Financial. She is Chair Emeritus of the Board of Trustees of Mount Holyoke College, having served as Chair for five years.

Ms. Baxter has held various positions in investment banking and corporate finance, including Vice President of and Consultant to First Boston Corporation and Vice President and Principal of the Regency Group. She is a graduate of Mount Holyoke College.



Charles B. Curtis (Born 1940)

Trustee since 2001

Mr. Curtis serves as Senior Advisor to the Center for Strategic and International Studies and is President Emeritus of the Nuclear Threat Initiative (a private foundation dealing with national security issues).

Mr. Curtis is a member of the Council on Foreign Relations and the U.S. State Department International Security Advisory Board. He also serves as a Director of Edison International and Southern California Edison.

Mr. Curtis is an attorney with over 15 years in private practice and 19 years in various positions in public service, including service at the Department of Treasury, the U.S. House of Representatives, the Securities and Exchange Commission, the Federal Energy Regulatory Commission and the Department of Energy.



Robert J. Darretta (Born 1946)

Trustee since 2007

Mr. Darretta serves as Director of UnitedHealth Group, a diversified health-care company.

Until April 2007, Mr. Darretta was Vice Chairman of the Board of Directors of Johnson & Johnson, one of the world's largest and most broadly based health-care companies. Prior to 2007, he had responsibility for Johnson & Johnson's finance, investor relations, information technology, and procurement functions. He served as Johnson & Johnson Chief Financial Officer for a decade, prior to which he spent two

years as Treasurer of the corporation and over 10 years leading various Johnson & Johnson operating companies. From 2009 until 2012, Mr. Darretta served as the Health Care Industry Adviser to Permira, a global private equity firm.

Mr. Darretta received a B.S. in Economics from Villanova University.



Katinka Domotorffy (Born 1975)

Trustee since 2012

Ms. Domotorffy is a voting member of the Investment Committee of the Anne Ray Charitable Trust, part of the Margaret A. Cargill Philanthropies. She also serves as the Vice Chair of Reach Out and Read of Greater New York, an organization dedicated to promoting childhood literacy.

Until December 2011, Ms. Domotorffy was Partner, Chief Investment Officer, and Global Head of Quantitative Investment Strategies at Goldman Sachs Asset Management.

Ms. Domotorffy holds a BSc in Economics from the University of Pennsylvania and an MSc in Accounting and Finance from the London School of Economics.



John A. Hill (Born 1942)

Trustee since 1985 and Chairman from 2000 to 2011

Mr. Hill is founder and Vice-Chairman of First Reserve Corporation, the leading private equity buyout firm specializing in the worldwide energy industry, with offices in Greenwich, Connecticut; Houston, Texas; London, England; and Hong Kong, China. The firm's investments on behalf of some of the nation's largest pension and endowment funds are currently concentrated in 31 companies with annual revenues in excess of \$15 billion, which employ over 100,000 people in 23 countries.

Mr. Hill is a Director of Devon Energy Corporation (a leading independent natural gas and oil exploration and production company) and various private companies owned by First Reserve, and serves as a Trustee of Sarah Lawrence College where he serves as Chairman and also chairs the Investment Committee. He is also a member of the Advisory Board of the Millstein Center for Global Markets and Corporate Ownership at The Columbia University Law School.

Prior to forming First Reserve in 1983, Mr. Hill served as President of F. Eberstadt and Company, an investment banking and investment management firm. Between 1969 and 1976, Mr. Hill held various senior positions in Washington, D.C. with the federal government, including Deputy Associate Director of the Office of Management and Budget and Deputy Administrator of the Federal Energy Administration during the Ford Administration.

Born and raised in Midland, Texas, he received his B.A. in Economics from Southern Methodist University and pursued graduate studies as a Woodrow Wilson Fellow.



Paul L. Joskow (Born 1947)

Trustee since 1997

Dr. Joskow is an economist and President of the Alfred P. Sloan Foundation (a philanthropic institution focused primarily on research and education on issues related to science, technology, and economic performance). He is the Elizabeth and James Killian Professor of Economics, Emeritus at the Massachusetts Institute of Technology (MIT), where he joined the faculty in 1972. Dr. Joskow was the Director of the Center for Energy and Environmental Policy Research at MIT from 1999 through 2007.

Dr. Joskow serves as a Trustee of Yale University, as a Director of TransCanada Corporation (an energy company focused on natural gas transmission, oil pipelines, and power services) and of Exelon Corporation (an energy company focused on power services), and as a member of the Board of Overseers of the Boston Symphony Orchestra. Prior to August 2007, he served as a Director of National Grid (a UK-based holding company with interests in electric and gas transmission and distribution and telecommunications infrastructure). Prior to July 2006, he served as President of the Yale University Council. Prior to February 2005, he served on the Board of the Whitehead Institute for Biomedical Research (a non-profit research institution). 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 seven books and numerous articles on industrial organization, government regulation of industry, and competition policy. He is active in industry restructuring, environmental, energy, competition, and privatization policies — having served as an advisor to governments and corporations worldwide. Dr. Joskow holds a Ph.D. and M.Phil. from Yale University and a B.A. from Cornell University.



Kenneth R. Leibler (Born 1949)

Trustee since 2006

Mr. Leibler is a founder and former Chairman of the Boston Options Exchange, an electronic marketplace for the trading of derivative securities.

Mr. Leibler currently serves on the Board of Trustees of Beth Israel Deaconess Hospital in Boston. He is also a Director of Northeast Utilities, which operates New England's largest energy delivery system, and, until November 2010, was a Director of Ruder Finn Group, a global communications and advertising firm. Prior to December 2006, he served as a Director of the Optimum Funds group. Prior to October 2006, he served as a Director of ISO New England, the organization responsible for the operation of the electric generation system in the New England states. Prior to 2000, Mr. Leibler was a Director of the Investment Company Institute in Washington, D.C.

Prior to January 2005, Mr. Leibler served as Chairman and Chief Executive Officer of the Boston Stock Exchange. Prior to January 2000, he served as President and Chief Executive Officer of Liberty Financial Companies, a publicly traded diversified asset management organization. Prior to June 1990, Mr. Leibler served as President and Chief Operating Officer of the American Stock Exchange (AMEX), and at the time was the youngest person in AMEX history to hold the title of President. Prior to serving as AMEX President, he held the position of Chief Financial Officer, and headed its management and marketing operations. Mr. Leibler graduated with a degree in Economics from Syracuse University.



Robert E. Patterson (Born 1945)

Trustee since 1984

Mr. Patterson is Co-Chairman of Cabot Properties, Inc. (a private equity firm investing in commercial real estate) and Chairman of its Investment Committee.

Mr. Patterson is past Chairman and served as a Trustee of the Joslin Diabetes Center. He previously was a Trustee of the Sea Education Association. Prior to December 2001, Mr. Patterson 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).

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.



George Putnam, III (Born 1951)

Trustee since 1984

Mr. Putnam is Chairman of New Generation Research, Inc. (a publisher of financial advisory and other research services), and President of New Generation Advisors, LLC (a registered investment adviser 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 Epiphany School and a Trustee of the Marine Biological Laboratory in Woods Hole, Massachusetts. Prior to June 2007, Mr. Putnam was President of the Putnam funds. Until 2010, he was a Trustee of St. Mark's School, until 2006, he was a Trustee of Shore Country Day School, and until 2002, he 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.

W. Thomas Stephens (Born 1942)

Trustee from 1997 to 2008, and since 2009



Mr. Stephens retired as Chairman and Chief Executive Officer of Boise Cascade, LLC (a paper, forest products and timberland assets company) in December 2008.

Mr. Stephens is a Director of TransCanada Pipelines, Ltd. (an energy infrastructure company).

Until 2010, Mr. Stephens was a Director of Boise Inc. (a manufacturer of paper and packaging products). Until 2004, Mr. Stephens was a Director of Xcel Energy Incorporated (a public utility company), Qwest 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 (a manufacturing company). He holds B.S. and M.S. degrees from the University of Arkansas.

Interested Trustee*



Robert L. Reynolds (Born 1952)

Trustee since 2008 and President of the Putnam funds since July 2009

Mr. Reynolds is President and Chief Executive Officer of Putnam Investments, a member of Putnam Investments' Executive Board of

Directors, and President of the Putnam funds. He has more than 30 years of investment and financial services experience.

Prior to joining Putnam Investments in 2008, Mr. Reynolds was Vice Chairman and Chief Operating Officer of Fidelity Investments from 2000 to 2007. During this time, he served on the Board of Directors for FMR Corporation, Fidelity Investments Insurance Ltd., Fidelity Investments Canada Ltd., and Fidelity Management Trust Company. He was also a Trustee of the Fidelity Family of Funds. From 1984 to 2000, Mr. Reynolds served in a number of increasingly responsible leadership roles at Fidelity.

Mr. Reynolds serves on several not-for-profit boards, including those of the West Virginia University Foundation, Concord Museum, Dana-Farber Cancer Institute and Boston Chamber of Commerce. He is a member of the Chief Executives Club of Boston, the National Innovation Initiative, and the Council on Competitiveness, and he is a former President of the Commercial Club of Boston.

Mr. Reynolds received a B.S. in Business Administration/Finance from West Virginia University.

* Trustee who is an "interested person" as defined in the 1940 Act of the fund and Putnam Management. Mr. Reynolds is deemed an "interested person" by virtue of his position as an officer of the fund and Putnam Management. Mr. Reynolds is the President and Chief Executive Officer of Putnam Investments and the President of your fund and each of the other Putnam funds.

The Board Policy and Nominating Committee is responsible for recommending proposed nominees for election to the Board of Trustees for its approval. In recommending the election or appointment of the current Board members as Trustees, the Committee generally considered the educational, business and professional experience of each Trustee in determining his or her qualifications to serve as a Trustee of the fund, including the Trustee's record of service as a director or trustee of public and private organizations. This included each Trustee's previous service as a member of the Board of Trustees of the Putnam funds, during which he or she has demonstrated a high level of diligence and commitment to the interests of fund shareholders and the ability to work effectively and collegially with other members of the Board. The Committee also considered, among other factors, the particular attributes described below with respect to the various individual Trustees.

Independent Trustees:

Liaquat Ahamed — Mr. Ahamed's experience as Chief Executive Officer of a major investment management organization and as head of the investment division at the World Bank, as well as his experience as an author of economic literature.

Ravi Akhoury — Mr. Akhoury's experience as Chairman and Chief Executive Officer of a major investment management organization.

Barbara M. Baumann — Ms. Baumann's experience in the energy industry as a consultant, an investor, and in both financial and operational management positions at a global energy company, and her service as a director of three New York Stock Exchange companies.

Jameson A. Baxter — Ms. Baxter's experience in corporate finance acquired in the course of her career at a major investment bank, her experience as a director and audit committee chair of two New York Stock Exchange companies and her role as Chair of the Mutual Fund Directors Forum.

Charles B. Curtis — Mr. Curtis's experience in public and regulatory policy matters relating to energy and finance acquired in the course of his service in various senior positions in government and on numerous boards of public and private organizations.

Robert J. Darretta — Mr. Darretta's experience as the Chief Financial Officer and Vice Chairman of the board of a major New York Stock Exchange health products company.

Katinka Domotorffy — Ms. Domotorffy's experience as Chief Investment Officer and Global Head of Quantitative Investment Strategies at a major asset management organization.

John A. Hill — Mr. Hill's experience as founder and Chairman of an open-end mutual fund and as a founder and lead managing partner of one of the largest private equity firms in the United States.

Paul L. Joskow — Dr. Joskow's education and experience as a professional economist familiar with financial economics and related issues and his service on multiple for-profit boards.

Kenneth R. Leibler — Mr. Leibler's extensive experience in the financial services industry, including as Chief Executive Officer of a major asset management organization, and his service as a director of various public and private companies.

Robert E. Patterson — Mr. Patterson's training and experience as an attorney and his experience as president of a New York Stock Exchange company.

George Putnam, III — Mr. Putnam's training and experience as an attorney, his experience as the founder and Chief Executive Officer of an investment management firm and his experience as an author of various publications on the subject of investments.

W. Thomas Stephens — Mr. Stephens's extensive business experience, including his service as Chief Executive Officer of four public companies, as non-executive chairman of two public companies and as a director of numerous other public companies.

Interested Trustee:

Robert L. Reynolds — Mr. Reynolds's extensive experience as a senior executive of one of the largest mutual fund organizations in the United States and his current role as the President and Chief Executive Officer of Putnam Investments.

Each of the nominees has agreed to serve as a Trustee, if elected. If any of the nominees is unavailable for election at the time of the special meeting, which is not anticipated, the Trustees may vote for other nominees at their discretion, or the Trustees may fix the number of Trustees at fewer than 14 for your fund.

What are the Trustees' responsibilities?

Your fund's Trustees are responsible for the general oversight of your fund's affairs and for assuring that your fund is managed in the best interests of its shareholders. The Trustees regularly review your fund's investment performance as well as the quality of other services provided to your fund and its shareholders by Putnam Management and its affiliates, including administration, distribution and shareholder servicing. At least annually, the Trustees review and evaluate the fees and operating expenses paid by your fund for these services and negotiate changes if they deem it appropriate. In carrying out these responsibilities, the Trustees are assisted by an independent administrative staff and by your fund's auditors, independent counsel and other experts as appropriate, selected by and responsible to the Trustees.

Board Leadership Structure. Currently, 13 of the 14 Trustees of your fund are Independent Trustees. These Independent Trustees must vote separately to approve all financial arrangements and other agreements with your fund's investment manager and other affiliated parties. The role of the Independent Trustees has been characterized as that of a "watchdog" charged with oversight to protect shareholders' interests against overreaching and abuse by those who are in a position

to control or influence a fund. Your fund's Independent Trustees meet regularly as a group in executive session. An Independent Trustee currently serves as chair of the Board.

Board Committees. Taking into account the number, the diversity and the complexity of the funds overseen by the Board and the aggregate amount of assets under management, your fund's Trustees have determined that the efficient conduct of the Board's affairs makes it desirable to delegate responsibility for certain specific matters to committees of the Board. Certain committees (the Executive Committee, Distributions Committee and Audit and Compliance Committee) are authorized to act for the Trustees as specified in their charters. The other committees review and evaluate matters specified in their charters and make recommendations to the Trustees as they deem appropriate. Each committee may utilize the resources of your fund's auditors, independent staff and counsel as well as other experts. The committees meet as often as necessary, either in conjunction with regular meetings of the Trustees or otherwise. The membership and chair of each committee are appointed by the Trustees upon recommendation of the Board Policy and Nominating Committee. Each committee is chaired by an Independent Trustee and, except as noted below, the membership and chairs of each committee consist exclusively of Independent Trustees.

The Trustees have determined that this committee structure also allows the Board to focus more effectively on the oversight of risk as part of its broader oversight of the fund's affairs. While risk management is the primary responsibility of the fund's investment manager, the Trustees regularly receive reports regarding investment risks and compliance risks. The Board's committee structure allows separate committees to focus on different aspects of these risks and their potential impact on some or all of the funds and to discuss with the fund's investment manager how it monitors and controls such risks.

Audit and Compliance Committee. The Audit and Compliance Committee provides oversight on matters relating to the preparation of the Putnam funds' financial statements, compliance matters, internal audit functions, and Codes of Ethics issues. This oversight is discharged by regularly meeting with management and the funds' auditors and keeping current on industry developments. Duties of this Committee also include the review and evaluation of all matters and relationships pertaining to the funds' auditors, including their independence. Information about the fees billed to the fund by the funds' auditors, as well as information about the Committee's pre-approval policies relating to the work performed by the funds' auditors, is included in **Appendix G** of this proxy statement. The members of the Committee include only Independent Trustees. Each member of the Committee also is "independent," as that term is interpreted for purposes of Rule 10A-3(b)(1) of the Securities Exchange Act of 1934, as amended (the "Exchange Act"), and the listing standards of the New York Stock Exchange. The Board has adopted a written charter for the Committee, a current copy of which is available at www.putnam.com/about-putnam/. The

Committee currently consists of Messrs. Leibler (Chairperson), Curtis, Darretta and Hill and Ms. Baumann and Domotorffy.

Board Policy and Nominating Committee. The Board Policy and Nominating Committee reviews matters pertaining to the operations of the Board and its committees, the compensation of the Trustees and their staff, and the conduct of legal affairs for the Putnam funds. The Committee also oversees the voting of proxies associated with portfolio investments of the Putnam funds, with the goal of ensuring that these proxies are voted in the best interest of each fund's shareholders.

The Committee evaluates and recommends all candidates for election as Trustees and recommends the appointment of members and chairs of each Board committee. The Committee also identifies prospective nominees for election as Trustee by considering individuals that come to its attention through the recommendation of current Trustees, Putnam Management or shareholders. Candidates properly submitted by shareholders (as described below) will be considered and evaluated on the same basis as candidates recommended by other sources. The Committee may, but is not required to, engage a third-party professional search firm to assist it in identifying and evaluating potential nominees.

When evaluating a potential candidate for membership on the Board, the Committee considers the skills and characteristics that it determines would most benefit the Putnam funds at the time the evaluation is made. The Committee may take into account a wide variety of attributes in considering potential Trustee candidates, including, but not limited to: (i) availability and commitment of a candidate to attend meetings and perform his or her responsibilities to the Board, (ii) other board experience, (iii) relevant industry and related experience, (iv) educational background, (v) financial expertise, (vi) an assessment of the candidate's ability, judgment and expertise, (vii) an assessment of the perceived needs of the Board and its committees at that point in time and (viii) overall Board composition. The Committee generally believes that the Board benefits from diversity of background, experience and views among its members, and considers this as a factor in evaluating the composition of the Board, but has not adopted any specific policy in this regard. In connection with this evaluation, the Committee will determine whether to interview prospective nominees, and, if warranted, one or more members of the Committee, and other Trustees and representatives of the funds, as appropriate, will interview prospective nominees in person or by telephone. Once this evaluation is completed, the Committee recommends such candidates as it determines appropriate to the Independent Trustees for nomination, and the Independent Trustees select the nominees after considering the recommendation of the Committee.

The Committee will consider nominees for Trustee recommended by shareholders of a fund provided shareholders submit their recommendations by the date disclosed in the paragraphs entitled "Date for receipt of shareholders' proposals

for subsequent meetings of shareholders” in the section “Further Information About Voting and the Special Meeting,” and provided the shareholders’ recommendations otherwise comply with applicable securities laws, including Rule 14a-8 under the Exchange Act.

The Committee consists only of Independent Trustees. The Trustees have adopted a written charter for the Board Policy and Nominating Committee, a current copy of which is available at www.putnam.com/about-putnam/. The Board Policy and Nominating Committee currently consists of Messrs. Hill (Chairperson), Curtis, Patterson and Putnam and Ms. Baxter.

Brokerage Committee. The Brokerage Committee reviews the Putnam funds’ policies regarding the execution of portfolio trades and Putnam Management’s practices and procedures relating to the implementation of those policies. The Committee reviews periodic reports on the cost and quality of execution of portfolio transactions and the extent to which brokerage commissions have been used (i) by Putnam Management to obtain brokerage and research services generally useful to it in managing the portfolios of the funds and of its other clients, and (ii) by the funds to pay for certain fund expenses. The Committee reports to the Trustees and makes recommendations to the Trustees regarding these matters. The Committee currently consists of Dr. Joskow (Chairperson), Ms. Baxter and Messrs. Ahamed, Akhoury, Patterson, Putnam and Stephens.

Contract Committee. The Contract Committee reviews and evaluates at least annually all arrangements pertaining to (i) the engagement of Putnam Management and its affiliates to provide services to the Putnam funds, (ii) the expenditure of the funds’ assets for distribution purposes pursuant to Distribution Plans of the funds, and (iii) the engagement of other persons to provide material services to the funds, including in particular those instances where the cost of services is shared between the funds and Putnam Management and its affiliates or where Putnam Management or its affiliates have a material interest. The Committee also reviews the proposed organization of new fund products, proposed structural changes to existing funds and matters relating to closed-end funds. The Committee reports and makes recommendations to the Trustees regarding these matters. The Committee currently consists of Mr. Patterson (Chairperson), Dr. Joskow, Ms. Baxter and Messrs. Ahamed, Akhoury, Putnam and Stephens.

Distributions Committee. The Distributions Committee oversees all dividends and distributions by the Putnam funds. The Committee makes recommendations to the Trustees of the funds regarding the amount and timing of distributions paid by the funds, and determines such matters when the Trustees are not in session. The Committee also oversees the policies and procedures pursuant to which Putnam Management prepares recommendations for distributions, and meets regularly with representatives of Putnam Management to review the implementation of these policies and procedures. The Committee reports to the Trustees and makes recommendations to the

Trustees regarding these matters. The Committee currently consists of Ms. Baumann (Chairperson), Ms. Domotorffy and Messrs. Curtis, Darretta, Hill and Leibler.

Executive Committee. The functions of the Executive Committee are twofold. The first is to ensure that the Putnam funds’ business may be conducted at times when it is not feasible to convene a meeting of the Trustees or for the Trustees to act by written consent. The Committee may exercise any or all of the power and authority of the Trustees when the Trustees are not in session. The second is to establish annual and ongoing goals, objectives and priorities for the Board, and to ensure coordination of all efforts between the Trustees and Putnam Management on behalf of the shareholders of the funds. The Committee currently consists of Ms. Baxter (Chairperson) and Messrs. Hill, Leibler, Patterson and Putnam.

Investment Oversight Committees. The Investment Oversight Committees regularly meet with investment personnel of Putnam Management to review the investment performance and strategies of the Putnam funds in light of their stated investment objectives and policies. The Committees seek to identify any compliance issues that are unique to the applicable categories of funds and work with the appropriate Board committees to ensure that any such issues are properly addressed. Investment Oversight Committee A currently consists of Messrs. Akhoury (Chairperson), Ahamed, Darretta, Hill, Patterson and Reynolds and Ms. Baxter. Investment Oversight Committee B currently consists of Messrs. Putnam (Chairperson), Curtis, Leibler and Stephens, Dr. Joskow and Ms. Baumann and Domotorffy.

Pricing Committee. The Pricing Committee oversees the valuation of assets of the Putnam funds and reviews the funds’ policies and procedures for achieving accurate and timely pricing of fund shares. The Committee also oversees implementation of these policies, including fair value determinations of individual securities made by Putnam Management or other designated agents of the funds. The Committee also oversees compliance by money market funds with Rule 2a-7 under the 1940 Act and the correction of occasional pricing errors. The Committee also reviews matters related to the liquidity of portfolio holdings. The Committee reports to the Trustees and makes recommendations to the Trustees regarding these matters. The Committee currently consists of Messrs. Darretta (Chairperson), Curtis, Hill and Leibler and Ms. Baumann and Domotorffy.

How large a stake do the Trustees have in the Putnam family of funds?

The Trustees allocate their investments among the Putnam funds based on their own investment needs. The number of shares beneficially owned by each nominee for Trustee, as well as the value of each nominee’s holdings in each fund and in all of the Putnam funds as of September 30, 2013 is included in **Appendix H**. As a group, the Trustees owned shares of the Putnam funds valued at approximately \$95,601,009.14, as of September 30, 2013.

As of September 30, 2013, to the knowledge of your fund, each Trustee, and the officers and Trustees of the fund as a group, owned less than 1% of the outstanding shares of each class of each fund, except as listed in **Appendix H**.

How can shareholders communicate with the Trustees?

The Board provides a process for shareholders to send communications to the Trustees. Shareholders may direct communications to the Board as a whole or to specified individual Trustees by submitting them in writing to the following address:

The Putnam funds
Attention: “Board of Trustees” or any specified Trustee(s)
One Post Office Square
Boston, Massachusetts 02109

Written communications must include the shareholder’s name, be signed by the shareholder, refer to the Putnam fund(s) in which the shareholder holds shares and include the class and number of shares held by the shareholder as of a recent date.

Representatives of the funds’ transfer agent will review all communications sent to Trustees and, as deemed appropriate, will provide copies and/or summaries of communications to the Trustees.

How often do the Trustees meet?

The Trustees currently hold regular in-person meetings eight times each year, usually over a two-day period, to review the operations of the Putnam funds. A portion of these meetings is devoted to meetings of various committees of the Board that focus on particular matters. Each Independent Trustee generally attends at least two formal committee meetings during each regular meeting of the Trustees. In addition, the Trustees meet in small groups with senior investment personnel and portfolio managers to review recent performance and the current investment climate for selected funds. These meetings ensure that fund performance is reviewed in detail on at least an annual basis. The committees of the Board, including the Executive Committee, may also meet on special occasions as the need arises. During calendar year 2012, the average Trustee participated in approximately 37 committee and Board meetings.

The number of times each committee met during calendar year 2012 is shown in the table below:

Audit and Compliance Committee	8
Board Policy and Nominating Committee	8
Brokerage Committee	5
Contract Committee	8
Distributions Committee	8
Executive Committee	3
Investment Oversight Committee A	8
Investment Oversight Committee B	8
Pricing Committee	8

The funds do not have a formal policy with respect to Trustee attendance at shareholder meetings, although, where possible, the Chair of the Trustees generally seeks to attend all meetings involving non-routine business matters. With the exception of Putnam Asia Pacific Equity Fund, Putnam High Income Securities Fund, Putnam International Value Fund, Putnam Managed Municipal Income Trust, Putnam Master Intermediate Income Trust, Putnam Municipal Opportunities Trust and Putnam Premier Income Trust, your fund’s Trustees other than John A. Hill did not attend the last shareholder meeting of your fund. The Trustees are generally represented at routine shareholder meetings by their independent staff and independent counsel.

What are some of the ways in which the Trustees represent shareholder interests?

Among other ways, the Trustees seek to represent shareholder interests:

- by reviewing your fund’s investment performance with your fund’s investment personnel;
- by discussing with senior management of Putnam Management steps being taken to address any performance deficiencies;
- by reviewing the quality of the various other services provided to your fund and its shareholders by Putnam Management and its affiliates;
- by reviewing in depth the fees paid by each fund and by negotiating with Putnam Management, if appropriate, to ensure that such fees remain reasonable and competitive with those of comparable funds, while at the same time providing Putnam Management sufficient resources to continue to provide high quality services in the future;
- by reviewing brokerage costs and fees, allocations among brokers, soft dollar expenditures and similar expenses of your fund;
- by monitoring potential conflicts of interest between the Putnam funds, including your fund, and Putnam Management and its affiliates to ensure that the funds continue to be managed in the best interests of their shareholders; and
- by monitoring potential conflicts among funds managed by Putnam Management to ensure that shareholders continue to realize the benefits of participation in a large and diverse family of funds.

What are the Trustees paid for their services?

Each Independent Trustee of the fund receives an annual retainer fee and additional fees for each Trustee meeting attended and for certain related services. Independent Trustees also are reimbursed for expenses they incur relating to their service as Trustees. All of the current Independent Trustees of the fund are Trustees of all of the Putnam funds and receive fees for their services.

The Trustees periodically review their fees to ensure that the fees continue to be appropriate in light of their responsibilities as well as in relation to fees paid to trustees of other mutual fund complexes. The Board Policy and Nominating Committee, which consists solely of Independent Trustees of the fund, estimates that committee and Trustee meeting time, together with the appropriate preparation, requires the equivalent of at least four business days per Trustee meeting. The table found in **Appendix I** includes the year each Trustee became a Trustee of the Putnam funds, the fees paid to each of those Trustees by each fund included in this proxy statement for its most recent fiscal year (ended prior to October 1, 2013) and the fees paid to each of those Trustees by all of the Putnam funds during calendar year 2012.

Under a Retirement Plan in effect for Trustees of the Putnam funds elected to the Board before 2003 (the "Plan"), each eligible Trustee who retires with at least five years of service as a Trustee of the funds is entitled to receive an annual retirement benefit equal to one-half of the average annual attendance and retainer fees paid to such Trustee for calendar years 2003, 2004 and 2005. This retirement benefit is payable during a Trustee's lifetime, beginning the year following retirement, for the number of years of service through December 31, 2006. A death benefit, also available under the Plan, ensures that the Trustee and his or her beneficiaries will receive benefit payments for the lesser of an aggregate period of (i) ten years or (ii) such Trustee's total years of service.

The Plan Administrator (currently the Board Policy and Nominating Committee) may terminate or amend the Plan at any time, but no termination or amendment will result in a reduction in the amount of benefits (i) currently being paid to a Trustee at the time of such termination or amendment, or (ii) to which a current Trustee would have been entitled had he or she retired immediately prior to such termination or amendment. The Trustees have terminated the Plan with respect to any Trustee first elected to the Board after 2003.

Why should you vote for your fund's nominees?

Your current Trustees are independent, experienced, and highly qualified fiduciaries who exercise strong fund governance practices.

Independent

- The Chair of your fund, Jameson A. Baxter, is independent of Putnam Management and has served on the Board for nearly 20 years. She also serves as the Chair of the Mutual Fund Directors Forum, which provides educational and outreach programs for independent directors;
- 13 of the 14 Trustees are independent of Putnam Management; and
- The Independent Trustees are assisted by an independent administrative staff and legal counsel who are selected by the Independent Trustees and are independent of Putnam Management.

Highly Qualified

- The Trustees have significant current and past related industry experience, and have a demonstrated history of actively pursuing the interests of the fund's shareholders; and
- The Board includes individuals with substantial professional accomplishments and prior experience in a variety of fields, including investment management, economics, finance, energy, health care, manufacturing, national security and real estate; and

Strong Governance Practices

- The Board includes a combination of long-tenured and newer members, bringing diverse perspectives to fund oversight;
- The Board has a well-established committee and oversight structure for the Putnam funds, including your fund, which has been developed over a long period of time; and
- The fund does not have a staggered board structure or other takeover defenses.

What is the voting requirement for electing Trustees?

All of the funds within a trust will vote together on the election of Trustees as a single class. If a quorum for your trust is present at the special meeting, the 14 nominees for election as Trustees who receive the greatest number of votes cast at the meeting will be elected as Trustees of your trust. The name of each trust is indicated in bold in the Notice of a Special Meeting of Shareholders on pages 1 and 2, with the funds that are series of that trust appearing below its name. **The Trustees unanimously recommend that shareholders vote "FOR" the election of your fund's nominees.**

3. APPROVING AN AMENDED AND RESTATED DECLARATION OF TRUST FOR YOUR FUND

Affected funds: All open-end funds (*i.e.*, all funds except Putnam High Income Securities Fund, Putnam Managed Municipal Income Trust, Putnam Master Intermediate Income Trust, Putnam Municipal Opportunities Trust, and Putnam Premier Income Trust)

Each Putnam fund is organized as a series of a Massachusetts business trust or as a stand-alone Massachusetts business trust (each, a "Trust"). Each Trust is governed by a declaration of trust established under the laws of The Commonwealth of Massachusetts. The declaration of trust sets forth, among other things, details regarding the organization and operation of a fund, shareholder rights, powers of the Trustees and the characteristics of fund shares.

The Putnam funds affected by this proposal currently operate under thirty-eight distinct declarations of trust (each a "Current Declaration" and together, the "Current Declarations"). The Current Declarations were created at different times in the past and differ from each other in a number of ways. These differences create certain inefficiencies in the operations of the Putnam funds that can be disadvantageous to the funds and their shareholders. In addition, the terms of many of the Current Declarations do not provide for the flexibility and the

same limitations of liabilities that more recent declarations of trust provide to many other mutual funds organized as Massachusetts business trusts and to their trustees and officers. The Trustees of your fund believe that the adoption of a single form of Amended and Restated Declaration of Trust (the “Revised Declaration”) for each Trust will, among other things: (i) provide the Trustees and Putnam Management increased flexibility in managing the affairs of the funds in an efficient and cost-effective manner in the best interests of shareholders; (ii) modernize and streamline certain corporate governance provisions, potentially resulting in a reduction of costs and delays over time and a reduction in the risks and costs of litigation; and (iii) eliminate certain ambiguities in and among the Current Declarations. On the basis of these and other considerations noted below, the Trustees recommend that shareholders of your fund vote to authorize the Trustees to adopt the Revised Declaration, a form of which is included herein as **Appendix L**.

The discussion below highlights certain differences between the Current Declarations and the Revised Declaration. The most significant changes are described below under the caption “Significant Changes.” There are other differences between the Revised Declaration and the Current Declarations, mostly in the nature of clarifying and conforming changes, certain of which are described below under the caption “Other Changes.” Because there are many variations among the Current Declarations, not all of the changes described below will necessarily pertain to your fund. In addition, not all of the differences between the Current Declarations and the Revised Declaration are described below, so you should carefully review the form of the Revised Declaration in **Appendix L**. For a copy of your fund’s Current Declaration, you may call Putnam Investments at 1-800-225-1581. Your fund’s Current Declaration is also on file with the Secretary of The Commonwealth of Massachusetts and may be accessed at the Secretary’s website at www.sec.state.ma.us.

Significant Changes

1. Class Reorganizations and Terminations (all funds)

Each Current Declaration permits the Trustees to divide the shares of any series into one or more classes. The Trustees have historically used this power to create classes of shares that reflect different methods of distribution. It may be desirable at some point in the future for the Trustees to discontinue certain share classes, in which case it may be desirable to reorganize the shares of a discontinued class with another series or class or to liquidate the shares of such class. The Revised Declaration (Article III, Section 1) clarifies the Trustees’ authority to combine shares of two or more classes of a fund into a single class without shareholder approval. Likewise, the Revised Declaration (Article IX, Section 5) permits the Trustees to authorize the reorganization of a class (by way of merger, consolidation or sale of assets) with another entity (including another series or class) without shareholder approval to the extent permitted by law. Finally, the Revised Declaration permits the Trustees to

terminate and liquidate a particular class without shareholder approval. These additional powers are intended to provide the Board the flexibility to implement changes in a fund’s class structure that it believes to be in the shareholders’ best interests, without causing the funds to incur the time and expense of soliciting shareholder approval. Putnam Management has advised the Trustees that it has no present intention of proposing any changes in the current class structure of the funds.

2. Derivative Actions and Exclusive Selection of Forum for Certain Shareholder Actions (all funds)

The Revised Declaration (Article III, Section 6) provides that a shareholder may not bring or maintain any court action, proceeding or claim on behalf of a Trust without first making demand on the Trustees requesting the Trustees to bring the action. The Current Declarations do not contain a similar provision, although Massachusetts courts have generally imposed a similar demand requirement in the past based on the Trustees’ inherent authority to manage all affairs of the Trust, including the bringing of litigation on behalf of the Trust. This requirement also conforms to a recent change in Massachusetts law applicable to business corporations requiring that demand be made in all circumstances. The requirement for shareholder demand is intended to prevent the potential disruption and expense that could result when a shareholder attempts to bring a suit that the Trustees in their judgment do not believe would be in the best interests of a Trust. The effect of these changes may be to discourage suits brought on behalf of the funds by shareholders against Putnam Management or the Trustees, but is not intended to affect any right of shareholders to bring actions in their own name.

The Revised Declaration (Article III, Section 7) also provides that any action brought by a shareholder seeking to enforce any right or privilege of shareholders under the Revised Declaration, challenging the powers of the Trustees thereunder, alleging a breach of fiduciary duty by any Trustee or officer of a Trust, or otherwise involving primarily the internal affairs of a Trust may be brought only in the courts of The Commonwealth of Massachusetts. The Current Declarations do not contain a similar provision. This proposed change is intended to ensure that the courts of The Commonwealth of Massachusetts will be the exclusive forum in which certain lawsuits against a fund, its Trustees or officers may be brought. In recent years, lawsuits against mutual funds and their officers and directors have often been brought and decided outside of a fund’s state of organization. Forum selection provisions can benefit funds and their shareholders by reducing the cost and disruption of multi-forum litigation (*i.e.*, litigation brought by shareholders simultaneously in different forums that challenges the same action) and limiting the ability of plaintiffs’ lawyers to seek out judicial forums that are particularly favorable to plaintiffs’ actions, sometimes referred to as “forum shopping.” Forum selection provisions are intended to permit a fund and its shareholders to benefit from the special expertise and long history of Massachusetts courts in dealing with declarations of trust governing the affairs of entities organized as Massachusetts

business trusts. This provision would not, however, limit the ability of plaintiffs to bring actions outside of Massachusetts with respect to claims that do not fall within the scope of the forum selection provision, such as claims based on violations of federal securities law, contract claims or tort claims.

3. Removal of a Trustee (all funds)

The Revised Declaration (Article IV, Section 2) provides that a Trustee may be removed by the vote of two-thirds of the remaining Trustees or by the vote of two-thirds of a fund's outstanding shares. Under the Current Declarations, the only mechanism for removing a Trustee is by the vote of two-thirds of the fund's outstanding shares. This change is intended to increase administrative efficiency by providing Trustees the authority to remove a Trustee without causing the funds to incur the time and expense of soliciting shareholder approval. A Trustee would only be removed if the remaining Trustees deem such removal as necessary to ensure the effective operation of the Board or otherwise serve the best interests of shareholders, for example, to deal with the situation of a trustee who has become incapacitated, who refuses to resign in accordance with the Board's retirement policy, or who has become involved in personal or business-related legal matters that could call into question his or her continuing fitness to serve. The ability of the Board to remove a Trustee without shareholder action is also consistent with recent changes in Massachusetts law applicable to business corporations.

4. Involuntary Redemptions (all funds)

The Current Declarations generally provide that the Trustees have the power to redeem the shares of any shareholder if either (i) the shareholder owns fewer shares than, or shares having an aggregate net asset value less than, an amount determined from time to time by the Trustees (the current minimum is 20 shares) or (ii) the shareholder owns shares of the fund in excess of a maximum amount set by the Trustees. In addition to these circumstances, the Revised Declaration (Article VI, Section 3) permits a fund to make involuntary redemptions in certain additional circumstances, including: (i) if a shareholder fails to supply appropriate personal and tax identification information requested by the fund; (ii) if a shareholder fails to meet or maintain the qualifications for ownership of a particular series or class; (iii) to collect a small account fee imposed on certain accounts (as described further below); or (iv) if the Trustees determine for any other reason, in their sole discretion, that the ownership of fund shares by a shareholder is not in the best interests of the remaining shareholders of the Trust or of the applicable series or class. Possible circumstances in which the Trustees may determine that a shareholder's ownership of fund shares is not in the best interests of the remaining shareholders include situations in which a shareholder repeatedly violates short-term trading restrictions or otherwise abuses shareholder privileges, resides in a particular foreign jurisdiction that may result in the imposition of regulatory restrictions on the fund, or is added to the Specially Designated Nationals List maintained by the Office of Foreign Assets Control within the U.S. Department of the Treasury (or similar list of persons subject to

sanction). A fund will provide advance notice to a shareholder of the intention to redeem shares involuntarily.

It is common for mutual funds to pay transfer agent and other shareholder servicing costs that are incurred in whole or in part on a per account basis. As a result, having a large number of relatively small shareholder accounts can potentially increase a fund's expense ratio, with larger shareholders bearing a disproportionate amount of such costs. The Current Declarations already permit the Trustees to redeem all shares held in an account falling below a number fixed by the Trustees. The Revised Declaration would provide the Trustees the additional flexibility to impose fees on accounts that do not meet a minimum investment amount and to redeem shares in any such account in an amount required to pay such fees. This would allow a fund to cause those shareholders who maintain small accounts to bear a fair portion of the costs of maintaining small accounts in lieu of redeeming such accounts altogether. A fund will provide advance notice to shareholders of its intention to impose fees on accounts that do not exceed a minimum investment size. Any such action would be subject to approval by the Trustees on such terms as they consider to be in the best interests of all shareholders. Any such fee would be retained by the fund (as an offset to transfer agency fees), and would not be paid to Putnam Management.

5. Indemnification of Trustees, Officers, etc. (all funds)

The Revised Declaration (Article VIII, Section 1) modifies certain provisions relating to the availability of indemnification to the Trust's Trustees and officers (including persons who serve at the Trust's request as directors, officers or trustees of another organization in which the Trust has any interest as a shareholder, creditor or otherwise) (each a "Covered Person"). Under the Revised Declaration, a Covered Person would not be indemnified with respect to any matter as to which such person had been finally adjudicated (i) not to have acted in good faith, (ii) not to have acted in the reasonable belief that his or her action was in the best interest of a Trust or at least was not opposed to the best interest of the Trust, (iii) in the case of a criminal proceeding, to have had reasonable cause to believe his or her action was unlawful, or (iv) to be liable by reason of such person's willful misfeasance, bad faith, gross negligence or reckless disregard of his or her duties (referred to below as "Disabling Conduct"). The Current Declarations contain a similar provision but do not expressly permit indemnification in circumstances where such person has been finally adjudicated to have acted in good faith in the reasonable belief that his or her action was not opposed to the best interest of the Trust. The Current Declarations also do not contain the exception noted above for criminal proceedings. These changes are intended to conform to recent changes in law applicable to Massachusetts corporations.

The Revised Declaration (Article VIII, Section 1) also adds a provision that creates a rebuttable presumption in favor of a Covered Person when determining whether there is reason to believe the Covered Person ultimately will be entitled to indemnification and hence may receive advancements of expenses in connection with indemnification. The Revised Declaration provides that the

persons making determinations concerning advance payments will afford the Covered Person a rebuttable presumption that he or she did not engage in Disabling Conduct. This rebuttable presumption is consistent with recent guidance of the Securities and Exchange Commission staff. The Revised Declaration both provides greater certainty to Trustees and other indemnified persons as to the circumstances where they might be denied indemnification, and makes it less likely in most circumstances that a Covered Person will be denied indemnification. The Trustees believe that providing for indemnification to the extent permitted by law is consistent with best corporate practices and will aid in attracting and retaining high quality members of the Board.

6. Limitation of Liability (all funds)

The Revised Declaration (Article VII, Section 2) clarifies that the duties, obligations and liability imposed upon a Trustee that is appointed, designated or identified as an officer of the fund or a member of any committee of the Trustees, or as an expert with respect to certain matters (including an audit committee financial expert), or a Trustee who has special skills or expertise shall be the same as those imposed on a Trustee in the absence of such appointment, designation, identification or expertise. The Revised Declaration also clarifies that no such appointment, designation, identification or expertise would affect any right or privilege to which the Trustee would otherwise be entitled as a Trustee, including the right to indemnification. While the Current Declarations do not address the standard of care with respect to Trustees with special skills or designations, nothing herein is intended to suggest that a different result was intended by the Current Declarations.

In the Security and Exchange Commission's 2003 adopting release for disclosure requirements related to the "audit committee financial expert" designation, the Securities and Exchange Commission stated that "[w]e find no support in the Sarbanes-Oxley Act or in related legislative history that Congress intended to change the duties, obligations or liability of any audit committee member, including the audit committee financial expert, through this provision." Although this is persuasive guidance, the standard of care imposed on a Trustee is primarily a matter governed by Massachusetts law rather than by federal law or regulations. The proposed change is intended to provide an extra safeguard for the Trustees in the event of litigation, making it clear that one standard of liability applies for all Trustees without regard to designation of additional responsibilities or titles or any actual or implied individual expertise or qualifications. By providing greater clarity regarding the applicable standard of care, the Trustees hope to reduce the uncertainties associated with potential litigation and enhance the ability of the funds to attract and retain high quality members of the Board.

7. Merger, Consolidation, Sale of Assets and Other Reorganizations (all funds)

The Revised Declaration (Article IX, Section 5) permits the Trustees to authorize various types of reorganization

transactions in which a Trust, or a series or class, may be combined with another entity, typically another mutual fund. Such transactions are typically contemplated when a fund has declined in size to a point where it is no longer able to operate at an efficient cost level or to effectively distribute its shares, to reduce existing overlap in portfolios within the same asset class of a family of funds, and to change a fund's investment philosophy, among others. For most funds, the Current Declarations already permit the Trustees to sell or exchange all or substantially all of the assets of the Trust without shareholder authorization, but is otherwise silent with regard to other types of reorganization transactions. However, in the case of those Affected Funds listed below, shareholder authorization is explicitly required before some or all sales or exchanges of all or substantially all of the assets of the Trust or before some or all mergers or consolidations of the Trust with any other trust or corporation, as further described below.

The proposed changes would expand the authority of the Trustees to authorize reorganization transactions for all open-end Putnam funds without shareholder approval where permitted by applicable law. The proposed changes would permit the Trustees to make decisions they believe are in the shareholders' best interests when considering a reorganization of a Trust (or a series or class of the Trust) without causing a Trust to incur the time and expense of soliciting shareholder approval, unless the law otherwise requires it.

Any exercise of the Trustees' increased authority under the Revised Declaration would be subject to the Trustees' general fiduciary responsibilities to act in the best interests of all shareholders and subject to the requirements of applicable law, including the 1940 Act. For example, Rule 17a-8 under the 1940 Act requires reorganizations involving affiliated funds to be approved by the shareholders of the trust or series being acquired unless certain conditions are satisfied. Because of this regulatory requirement, some transactions will continue to require shareholder approval. Should shareholders approve the Revised Declaration, shareholders would not have the right to vote under the Trust's organizational document on any reorganization that may be effected without a shareholder vote pursuant to Rule 17a-8, unless the Trustees determined that it would be appropriate in the circumstance to permit shareholders to vote on the reorganization.

Affected Funds: Putnam Convertible Securities Fund, Putnam Global Equity Fund, Putnam Income Fund, Putnam Investors Fund, and Putnam Voyager Fund are currently not permitted to engage in any form of reorganization without shareholder approval; The Putnam Fund for Growth and Income and The George Putnam Fund of Boston (d/b/a George Putnam Balanced Fund) are currently not permitted to sell all of the Trust property as a whole without shareholder approval; the remaining open-end funds would be affected only by the additional authority to engage in mergers or consolidations.

8. Redemption Fees (listed funds only)

The Revised Declaration (Article VI, Section 2) makes explicit that fees or charges may be imposed on shares being redeemed. Such fees or charges would typically be applied in circumstances where the Trustees believe that such fees are necessary or appropriate to protect non-redeeming shareholders from the transaction costs associated with redemptions, for example, during periods of market turmoil resulting in reduced trading liquidity. Any such fees would be retained by the fund and would not be paid to Putnam Management. While the Current Declarations for most funds state that the Trustees may impose redemption fees, the declarations of trust of the Affected Funds listed below do not explicitly contemplate this power. In order to conform your fund's Current Declaration with the majority of the Putnam funds' declarations of trust and to avoid any ambiguity with respect to the ability of a fund to impose redemption fees, the Trustees believe it is prudent to make this power explicit in each fund's Revised Declaration.

Affected Funds: Putnam American Government Income Fund, Putnam California Tax Exempt Income Fund, Putnam Convertible Securities Fund, Putnam Equity Income Fund, The Putnam Fund for Growth and Income, The George Putnam Fund of Boston (d/b/a George Putnam Balanced Fund), Putnam Global Equity Fund, Putnam Global Health Care Fund, Putnam Global Income Trust, Putnam Global Natural Resources Fund, Putnam High Yield Advantage Fund, Putnam High Yield Trust, Putnam Income Fund, Putnam International Equity Fund, Putnam Investors Fund, Putnam Massachusetts Tax Exempt Income Fund, Putnam Michigan Tax Exempt Income Fund, Putnam Minnesota Tax Exempt Income Fund, Putnam Money Market Fund, Putnam New York Tax Exempt Income Fund, Putnam Ohio Tax Exempt Income Fund, Putnam Tax Exempt Income Fund, Putnam U.S. Government Income Trust, and Putnam Voyager Fund.

9. In-Kind Redemptions and Distributions (listed funds only)

The Revised Declaration (Article VI, Sections 1 and 2) clarifies that redemption and distribution payments made to shareholders may be made in cash, fund shares or other property, or a combination thereof, as determined by the Trustees. While the Current Declarations for most funds expressly permit the Trustees to make redemption payments in property other than cash or fund shares (e.g., a fund's portfolio securities), the Current Declarations for the Affected Funds listed below do not explicitly contemplate such an "in-kind" redemption or distribution. The Trustees believe that standardizing the provisions relating to in-kind redemptions and distributions across the funds' declarations of trust would enhance efficiency in administering the Putnam funds. The Trustees expect that the flexibility to pay redemptions in-kind would be used only in extraordinary circumstances, for example, to ensure that transaction costs associated with unusually large and unanticipated redemptions or large redemptions during periods of unusually limited market liquidity are not borne by all other fund shareholders, and would not be used where doing so would be prohibited by

the laws of any jurisdiction where shares of the Affected Fund are registered for sale. In addition, if the Revised Declaration is approved for a Trust, the Trust intends to file an election with the Securities and Exchange Commission under Rule 18f-1 under the 1940 Act, which will commit the Trust to pay in cash in all cases involving requests for redemption by a single shareholder during any 90-day period of up to the lesser of \$250,000 or 1% of the relevant fund's net asset value measured at the beginning of the 90-day period.

Affected Funds for In-Kind Distributions: Putnam American Government Income Fund, Putnam AMT-Free Municipal Fund, Putnam California Tax Exempt Income Fund, Putnam Convertible Securities Fund, Putnam Diversified Income Trust, Putnam Equity Income Fund, The Putnam Fund for Growth and Income, The George Putnam Fund of Boston (d/b/a George Putnam Balanced Fund), Putnam Global Equity Fund, Putnam Global Health Care Fund, Putnam Global Income Trust, Putnam Global Natural Resources Fund, Putnam High Yield Advantage Fund, Putnam High Yield Trust, Putnam Income Fund, Putnam International Equity Fund, Putnam Investors Fund, Putnam Massachusetts Tax Exempt Income Fund, Putnam Michigan Tax Exempt Income Fund, Putnam Minnesota Tax Exempt Income Fund, Putnam Money Market Fund, Putnam New York Tax Exempt Income Fund, Putnam Ohio Tax Exempt Income Fund, Putnam Tax Exempt Income Fund, Putnam Tax-Free High Yield Fund, Putnam U.S. Government Income Trust, and Putnam Voyager Fund.

Affected Funds for In-Kind Redemptions: Putnam American Government Income Fund, Putnam AMT-Free Municipal Fund, Putnam Arizona Tax Exempt Income Fund, Putnam California Tax Exempt Income Fund, Putnam Capital Opportunities Fund, Putnam Convertible Securities Fund, Putnam Diversified Income Trust, Putnam Dynamic Asset Allocation Balanced Fund, Putnam Dynamic Asset Allocation Conservative Fund, Putnam Dynamic Asset Allocation Growth Fund, Putnam Equity Income Fund, Putnam Europe Equity Fund, The Putnam Fund for Growth and Income, The George Putnam Fund of Boston (d/b/a George Putnam Balanced Fund), Putnam Global Equity Fund, Putnam Global Health Care Fund, Putnam Global Income Trust, Putnam Global Natural Resources Fund, Putnam Global Utilities Fund, Putnam Growth Opportunities Fund, Putnam High Yield Advantage Fund, Putnam High Yield Trust, Putnam Income Fund, Putnam International Capital Opportunities Fund, Putnam International Equity Fund, Putnam International Growth Fund, Putnam Investors Fund, Putnam Massachusetts Tax Exempt Income Fund, Putnam Michigan Tax Exempt Income Fund, Putnam Minnesota Tax Exempt Income Fund, Putnam Money Market Fund, Putnam Multi-Cap Growth Fund, Putnam Multi-Cap Value Fund, Putnam New Jersey Tax Exempt Income Fund, Putnam New York Tax Exempt Income Fund, Putnam Ohio Tax Exempt Income Fund, Putnam Pennsylvania Tax Exempt Income Fund, Putnam Research Fund, Putnam Small Cap Value Fund, Putnam Tax Exempt Income Fund, Putnam Tax Exempt

Money Market Fund, Putnam Tax-Free High Yield Fund, Putnam U.S. Government Income Trust, and Putnam Voyager Fund.

10. Amendment of the Declaration of Trust (all funds)

The proposed changes to the Revised Declaration would expand, to a certain extent, the Trustees' authority to amend a declaration of trust without obtaining a shareholder vote. Under the Revised Declaration (Article IX, Section 8), the Trustees have the authority to amend the declaration of trust without shareholder approval if (i) the amendment would be for the purpose of changing the name of the Trust or curing any omission, ambiguity, defect or inconsistency or (ii) the amendment would not, in the judgment of the Trustees, have a material adverse effect on the shareholders of any series or class of shares. In contrast, the Current Declarations for most funds permit the Trustees to amend the declaration of trust without shareholder authorization only for the purpose of changing the name of the Trust or curing any omission, ambiguity, defect or inconsistency. (In the case of The Putnam Fund for Growth and Income and The George Putnam Fund of Boston (d/b/a George Putnam Balanced Fund), the Current Declarations permit the Trustees to amend the declaration of trust without shareholder authorization to change the name of the Trust only in certain limited circumstances.) The proposed changes are designed to give the Trustees the flexibility to react quickly to future contingencies, changes to applicable law or other changes, and to take action without causing the Trust to incur the time and expense of soliciting shareholder approval. These situations could arise as a result of regulatory changes or changes in markets or mutual fund structures generally. In addition, any exercise of this power by the Trustees would be subject to their general fiduciary responsibilities to act in the best interests of all shareholders.

Where a shareholder vote is required to authorize an amendment of the Revised Declaration, approval requires the affirmative vote of at least a majority of shares voted, subject to applicable quorum requirements and applicable law. Under the Current Declarations, approval requires a vote of at least a majority of the outstanding shares entitled to vote on the matter. Obtaining the favorable vote of a majority of the outstanding shares can be difficult and expensive when shareholders do not return their proxies in sufficient numbers, even though a substantial majority of those shareholders voting have voted in favor of a proposal. These proposed changes are designed to enhance the ability of the Trustees to obtain shareholder approval of amendments to the declarations of trust provided that the current 30% quorum requirement is satisfied.

Other Changes

In addition to the changes described above, the Revised Declaration would result in numerous minor changes to many of the Current Declarations for the purposes of eliminating immaterial inconsistencies in language and clarifying potential ambiguities. None of these additional changes is considered to have a material impact on the rights and privileges of shareholders

and, in many cases, the Trustees would have the power under the Current Declarations to implement such changes in any event without shareholder approval.

What is the voting requirement for approving the proposal?

All of the funds within a Trust will vote together on the Revised Declaration, as a single class. Approval of the Revised Declaration with respect to a Trust requires the vote of a majority of the shares of such Trust outstanding and entitled to vote. If the shareholders of a Trust fail to approve the Revised Declaration, the Current Declaration will remain in effect for that Trust. The name of each trust is indicated in bold in the Notice of a Special Meeting of Shareholders on pages 1 and 2, with the funds that are series of that trust appearing below its name.

4. APPROVING AN AMENDMENT TO A FUNDAMENTAL INVESTMENT RESTRICTION WITH RESPECT TO INVESTMENTS IN COMMODITIES

Affected fund: Putnam Dynamic Asset Allocation Conservative Fund only

What is this proposal?

Under the 1940 Act, a fund's investment policy relating to the purchase and sale of commodities must be fundamental, which means that it can be modified only by a vote of a majority of the fund's outstanding voting securities. Commodities include physical commodities, such as gold and other metals, agricultural products, and oil, as well as certain financial instruments, such as futures contracts and related options.

Putnam Dynamic Asset Allocation Conservative Fund's current fundamental investment restriction with respect to investments in commodities states that the fund may not:

Purchase or sell physical commodities unless acquired as a result of ownership of securities or other instruments. This restriction shall not prevent the fund from purchasing or selling financial instruments representing interests in commodities (or the values of which are determined by reference to commodities), but which do not involve the delivery of physical commodities to or by the fund, or from entering into financial futures contracts, options, foreign exchange contracts and other financial transactions.

Although the fund's current restriction expressly permits investments in financial instruments whose values are determined by reference to physical commodities, it generally prohibits direct investment in physical commodities.

The proposed amended fundamental investment restriction would state that your fund may not:

Purchase or sell commodities, except as permitted by applicable law.

This proposal would permit your fund to obtain exposure to commodities, whether through direct investment in physical commodities or through related financial instruments, in the

manner Putnam Management deems most efficient, as from time to time authorized by the Trustees.

What effect will amending the current restriction with respect to investments in commodities have on your fund?

Under the proposed fundamental investment restriction, the fund will be able to invest directly in gold and other physical commodities, as well as engage in a variety of transactions (already permitted under its current investment restriction) involving the use of commodity-linked investments, including commodity-based exchange-traded funds or notes (ETFs or ETNs) and commodity-linked notes, to the extent permitted by law and consistent with the fund's investment objectives and policies.

Putnam Management believes that this added flexibility to invest in physical commodities could assist your fund in achieving its investment objective, because at times such investments may provide a more advantageous form of exposure to commodities than investing through financial instruments. Investments in physical commodities and commodity-linked investments may offer the opportunity for attractive investment returns because economic exposure to gold or other commodities through these investments may enhance the ability of the fund to diversify risks, particularly to the extent that the returns of commodities are not correlated with the returns of other asset classes in which the fund invests. The proposed fundamental investment restriction amendment would also align your fund's investment restriction with the investment restriction of many other Putnam funds, which had the same amendment approved by shareholders in 2009.

The fund intends to continue to qualify for treatment as a regulated investment company (a "RIC") under the Internal Revenue Code of 1986, as amended (the "Code"). If the fund qualifies as a RIC, the fund will generally not be subject to federal income tax on income and gains it distributes to its shareholders. In order to maintain its special status as a RIC, the fund must limit any "non-qualifying income" to a maximum of 10% of its annual gross income. Generally, the fund's investments in commodity-linked derivatives or physical commodities will be limited by this requirement. Putnam Management presently has no specific intention to change the fund's exposures to commodities or commodity-linked investments in response to the revision of the fund's investment restriction, but this intention is subject to change based on Putnam Management's assessment of both market conditions at any given time and those investments most likely to assist your fund in meeting its investment objective.

While commodities and commodity-linked investments offer significant potential benefits to the fund, investment in this asset class presents particular risks as well. The values of commodity-linked investments may be highly volatile, and may be subject to a wide variety of risks relevant to the particular physical commodities that are the subject of the commodity-linked investment (such as the risks of drought, floods, weather, livestock disease, embargoes, tariffs and international economic, political and regulatory developments) to which the markets for

other investments are not typically subject. The fund is already permitted to invest in commodity-linked investments.

Investments in physical commodities, which would be permitted under the proposed investment policy, may be subject to volatility and risks similar to those applicable to commodity-linked investments, and in addition may involve different custody, storage or delivery arrangements, which may be costly, and greater custody risks than other types of commodity-related investments. These and other risks associated with investment in commodities and commodity-linked notes are described in further detail in the fund's prospectus and statement of additional information. Putnam Management will take these risks into account in determining whether to invest directly in physical commodities.

What are the Trustees recommending?

The Trustees unanimously recommend that shareholders approve an amendment to the fund's fundamental investment restriction with respect to investments in commodities.

What is the voting requirement for approving the proposal?

Approval of the proposed amendment to the fund's fundamental investment restriction requires the affirmative vote of "a majority of the outstanding voting securities" of the fund, which is defined under the 1940 Act to be *the lesser of* (a) more than 50% of the outstanding shares of the fund, or (b) 67% or more of the shares of the fund present (in person or by proxy) at the meeting if more than 50% of the outstanding shares of the fund are present at the meeting in person or by proxy.

5. APPROVING AN AMENDMENT TO A FUNDAMENTAL INVESTMENT POLICY REGARDING DIVERSIFICATION OF INVESTMENTS

Affected funds:

Putnam Global Consumer Fund
Putnam Global Financials Fund

What is this proposal?

The Trustees recommend that each affected fund adopt a fundamental investment policy to operate as a "non-diversified" fund. Each affected fund is currently sub-classified as a "diversified" fund for purposes of Section 5(b)(1) of the 1940 Act. As a diversified fund, with respect to 75% of its total assets, no more than 5% of each fund's total assets may be invested in the securities of any single issuer, and it may not hold more than 10% of the outstanding voting securities of any single issuer. With respect to the remaining 25% of its total assets, there is no limit on the percentage of assets each fund may invest in the securities of a single issuer or on the outstanding voting securities of an issuer that may be held by each fund. These 1940 Act limits do not apply to securities issued or guaranteed by the U.S. government, its agencies or instrumentalities, or to securities issued by other investment companies. These limits apply only at the time a fund purchases a security. Each affected fund may exceed these limits if positions it already holds increase in value relative to the rest of the fund's holdings.

The Trustees, subject to shareholder approval, have approved a change to each affected fund's sub-classification under the 1940 Act from a "diversified" fund to a "non-diversified" fund under the 1940 Act. The Trustees and Putnam Management believe that changing each affected fund from a diversified fund to a non-diversified fund would give Putnam Management more flexibility in implementing each fund's investment strategies in response to market or industry developments or to changes in Putnam Management's views about issuers in the relevant sector. The proposed change would also conform the affected funds' fundamental investment restriction to the standard restriction currently used by Putnam's other global sector funds, which operate as non-diversified funds.

Each affected fund was originally organized and operated as a non-diversified fund pursuant to the following fundamental investment policy, which matches that of other global sector funds. The policy provides that the fund may not:

With respect to 50% of its total assets, invest in securities of any issuer if, immediately after such investment, more than 5% of the total assets of the fund (taken at current value) would be invested in the securities of such issuer; provided that this limitation does not apply to obligations issued or guaranteed as to interest or principal by the U.S. government or its agencies or instrumentalities or to securities issued by other investment companies.

As discussed above, the affected funds are currently operating as diversified funds. Shareholder approval is required to permit each affected fund to once again operate as a non-diversified fund. If shareholders approve this proposal, consistent with the fundamental investment policy described above, Putnam Management would have the flexibility to operate the affected funds as non-diversified, although it has no immediate plans to alter materially its management of the affected funds.

For each of the affected funds, the proposed change would allow the fund to invest more of its assets in the securities of fewer issuers than a diversified fund. The fund would be exposed to non-diversification risk, as its ability to invest more of its assets in the securities of fewer issuers would increase its vulnerability to factors affecting a single investment; therefore, the fund may be more exposed to the risks of loss and volatility than a fund that invests more broadly.

What are the Trustees recommending?

The Trustees unanimously recommend that shareholders approve an amendment to each affected fund's fundamental investment policy with respect to diversification of investments.

What is the voting requirement for approving the proposal?

Approval of this proposal requires the affirmative vote of a "majority of the outstanding voting securities" of the affected fund, which is defined under the 1940 act to be *the lesser of* (1) more than 50% of the outstanding shares of the affected fund, or (2) 67% or more of the shares of the affected fund present (in person or by proxy) at the meeting if more than 50% of

the outstanding shares of the affected fund are present at the meeting in person or by proxy.

Further Information About Voting and the Special Meeting

Meeting Quorum and Methods of Tabulation. The shareholders of each fund vote separately with respect to approving a new management contract (Proposal 1). The shareholders of all of the series of a trust vote together as a single class with respect to the election of Trustees (Proposal 2) and approval of an Amended and Restated Declaration of Trust (Proposal 3). Shareholders of Putnam Dynamic Asset Allocation Conservative Fund vote separately with respect to approving an amendment to that fund's fundamental investment restriction with respect to investments in commodities (Proposal 4), and shareholders of Putnam Global Consumer Fund and Putnam Global Financials Fund each vote separately with respect to approving an amendment to the fund's fundamental investment policy with respect to diversification of investments (Proposal 5). Shares of all classes of each fund vote together as a single class. Thirty percent of the shares entitled to vote constitutes a quorum for the transaction of business with respect to any proposal at the special meeting for all funds except Putnam High Income Securities Fund, Putnam Managed Municipal Income Trust, Putnam Master Intermediate Income Trust, Putnam Municipal Opportunities Trust and Putnam Premier Income Trust, for which a majority of the shares entitled to vote constitutes a quorum. Votes cast by proxy or in person at the special meeting will be counted by persons your fund appoints as tellers for the meeting. The tellers will count the total number of votes cast "for" approval of a proposal for purposes of determining whether sufficient affirmative votes have been cast. Shares represented by proxies that reflect abstentions and "broker non-votes" (*i.e.*, shares held by brokers or nominees as to which (i) instructions have not been received from the beneficial owners or the persons entitled to vote and (ii) the broker or nominee does not have the discretionary voting power on a particular matter) will be counted as shares that are present and entitled to vote on the matter for purposes of determining the presence of a quorum.

The documents that authorize Putnam Fiduciary Trust Company or Putnam Investor Services, Inc. to act as Trustee for certain individual retirement accounts (including traditional, Roth and SEP IRAs, 403(b)(7) accounts and Coverdell Education Savings Accounts) provide that if an account owner does not submit voting instructions for his or her shares, Putnam Fiduciary Trust Company or Putnam Investor Services will vote such shares in the same proportions as other shareholders with similar accounts have submitted voting instructions for their shares. Shareholders should be aware that this practice, known as "echo-voting," may have the effect of increasing the likelihood that a proposal will be acted upon (approved or disapproved) and that Putnam Fiduciary Trust Company or Putnam Investor Services, Inc., each of which is an affiliate of

Putnam Management, may benefit indirectly from the approval of the proposed management contracts.

With respect to Proposal 2, neither abstentions nor broker non-votes have an effect on the outcome of the proposal. With respect to other proposals, abstentions and broker non-votes have the effect of votes against the proposal. For Proposals 1, 4, and 5, treating broker non-votes as negative votes may result in the proposal not being approved, even though the votes cast in favor would have been sufficient to approve the proposal if some or all of the broker non-votes had been withheld. In certain circumstances in which a fund has received sufficient votes to approve a matter being recommended for approval by the fund's Trustees, the fund may request that brokers and nominees, in their discretion, withhold or withdraw submission of broker non-votes in order to avoid the need for solicitation of additional votes in favor of the proposal. A fund may also request that selected brokers and nominees, in their discretion, submit broker non-votes, if doing so is necessary to obtain a quorum.

Shareholders who object to any proposal in this Proxy Statement will not be entitled under Massachusetts law or the Agreement and Declaration of Trust of the particular Putnam fund to demand payment for, or an appraisal of, their shares.

Special Rule for Proportional Voting for Putnam Managed Municipal Income Trust and Putnam Municipal Opportunities Trust. For funds listed on the New York Stock Exchange that have outstanding preferred shares, in accordance with the rules of the exchange, brokerage firms may vote for (or against) a proposal, on behalf of their clients who beneficially own the remarketed or auction rate preferred shares and from whom they have not received voting instructions, in the same proportion as votes for (and against) such proposal have been received from holders of preferred shares if (i) the holders of a minimum of 30% of the outstanding preferred shares have been voted by the holders of preferred shares, (ii) the holders of less than 10% of the outstanding preferred shares have voted against such proposal, and (iii) the holders of the common shares have approved such proposal.

Other business. The Trustees know of no matters other than those described in this proxy statement to be brought before the special meeting. If, however, any other matters properly come before the special meeting, proxies will be voted on these matters in accordance with the judgment of the persons named in the enclosed proxy card(s).

Simultaneous meetings. The special meeting of shareholders of your fund is called to be held at the same time as the meetings of shareholders of certain of the other Putnam funds. It is anticipated that all special meetings will be held simultaneously.

If any shareholder at the special meeting objects to the holding of a simultaneous meeting and moves for an adjournment of the meeting to a time promptly after the simultaneous meetings, the persons named as proxies will vote in favor of adjournment.

Information for all Putnam funds except funds that are series of Putnam Variable Trust

Solicitation of proxies. In addition to soliciting proxies by mail, the Trustees of your fund and employees of Putnam Management and Putnam Investor Services, as well as their agents, may solicit proxies in person or by telephone. Your fund may arrange to have a proxy solicitation firm call you to record your voting instructions by telephone. The procedures for voting proxies by telephone are designed to authenticate shareholders' identities, to allow them to authorize the voting of their shares in accordance with their instructions, and to confirm that their instructions have been properly recorded. Shareholders would be called at the phone number Putnam Management or Putnam Investor Services has in its records for their accounts (or that Putnam Management or Putnam Investor Services obtains from agents acting on behalf of financial intermediaries, in the case of shares held in street name through a bank, banker or other financial intermediary) and would be given an opportunity to authenticate their identities and to authorize the proxies to vote their shares at the special meeting in accordance with their instructions. To ensure that shareholders' instructions have been recorded correctly, they will also receive a confirmation of their instructions in the mail. A special toll-free number will be available in case the information contained in the confirmation is incorrect. Your fund has been advised by counsel that these procedures are consistent with the requirements of applicable law. If these procedures were subject to a successful legal challenge, such votes would not be counted at the special meeting. Your fund is unaware of any such challenge at this time.

Shareholders have the opportunity to submit their voting instructions over the Internet by using a program provided by a third-party vendor hired by Putnam Management or by automated telephone service. The giving of a proxy will not affect your right to vote in person should you decide to attend the special meeting. To vote online using the Internet, please access the Internet address listed on the proxy card and follow the instructions on the Internet site. Note that, if you have a smart phone with a "QR" reader, you may access the Internet address by scanning the QR code on your proxy card. To record your voting instructions using the automated telephone service, use the toll-free number listed on your proxy card. The Internet and telephone voting procedures are designed to authenticate shareholder identities, to allow shareholders to give their voting instructions, and to confirm that shareholders' instructions have been recorded properly.

Your fund's Trustees have adopted a general policy of maintaining confidentiality in the voting of proxies. Consistent with this policy, your fund may solicit proxies from shareholders who have not voted their shares or who have abstained from voting, including brokers and nominees.

Revocation of proxies. Giving your proxy, whether by returning the proxy card(s) or providing voting instructions over the Internet or by telephone, does not affect your right to attend the special meeting and vote in person. Proxies, including proxies given by telephone or over the Internet, may be revoked at any time before

they are voted either (i) by a written revocation received by the Clerk of your fund, (ii) by properly executing and submitting a later-dated proxy, (iii) by recording later-dated voting instructions by telephone or via the Internet, or (iv) by attending the special meeting and voting in person. If your shares are held in street name through a bank, broker or other financial intermediary, please check your voting instruction form or contact your bank, broker or other financial intermediary for instructions on how to change or revoke your vote.

***Information for funds that are series of
Putnam Variable Trust***

Voting Process. With respect to funds that are series of Putnam Variable Trust only, as of the Record Date, certain insurance companies or funds of funds sold exclusively to insurance company separate accounts and other variable insurance products (each an “Insurance Company”) were shareholders of record of each fund that is a series of Putnam Variable Trust. Each Insurance Company will vote shares of the fund or funds held by it in accordance with voting instructions received from variable annuity contract and variable life insurance policy owners (collectively, the “Contract Owners”) for whose accounts the shares are held. Accordingly, with respect to funds that are series of Putnam Variable Trust, this proxy statement is also intended to be used by each Insurance Company in obtaining these voting instructions from Contract Owners. In the event that a Contract Owner gives no instructions, the relevant Insurance Company will vote the shares of the appropriate fund attributable to the Contract Owner in the same proportion as shares of that fund for which it has received instructions. One effect of this system of proportional voting is that, if only a small number of Contract Owners provide voting instructions, this small number of Contract Owners may determine the outcome of a vote for a fund.

Solicitation of proxies. In addition to soliciting proxies and voting instructions by mail, the Trustees of your fund and employees of Putnam Management, Putnam Investor Services, Inc., Putnam Retail Management and the Insurance Companies may solicit voting instructions from Contract Owners in person or by telephone. Your fund may arrange to have a proxy solicitation firm call you to record your voting instructions by telephone. The procedures for solicitation of proxies and voting instructions by telephone are designed to authenticate Contract Owners’ identities, to allow them to authorize the voting of their units in accordance with their instructions, and to confirm that their instructions have been properly recorded. Your fund has been advised by counsel that these procedures are consistent with the requirements of applicable law. Contract Owners would be called at the phone number Putnam Management has in its records for their accounts (or that Putnam Management obtains from the Insurance Companies) and would be given an opportunity to give their instructions. To ensure that the Contract Owners’ instructions have been recorded correctly, they will also receive a confirmation of their instructions in the mail. A

special toll-free number will be available in case the information contained in the confirmation is incorrect. If these procedures were subject to a successful legal challenge, such votes would not be counted at the special meeting. Your fund is unaware of any such challenge at this time.

Contract Owner Instructions. Each Contract Owner is entitled to instruct his or her Insurance Company as to how to vote its shares and can do so by marking voting instructions on the ballot enclosed with this proxy statement and then signing, dating and mailing the ballot in the envelope provided. If a ballot is not marked to indicate voting instructions, but is signed, dated and returned, it will be treated as an instruction to vote the shares in accordance with the Trustees’ recommendations. Each Insurance Company will vote the shares for which it receives timely voting instructions from Contract Owners in accordance with those instructions and will vote those shares for which it receives no timely voting instructions for and against approval of a proposal, and as an abstention, in the same proportion as the shares for which it receives voting instructions. Shares attributable to accounts retained by each Insurance Company will be voted in the same proportion as votes cast by Contract Owners. Accordingly, there are not expected to be any “broker non-votes.”

Contract Owners have the opportunity to submit their voting instructions via the Internet by utilizing a program provided by a third party vendor hired by Putnam Management or by automated telephone service. The giving of such voting instructions will not affect your right to vote in person should you decide to attend the special meeting. To use the Internet, please access the Internet address listed on the proxy card, and follow the instructions on the Internet site. Note that, if you have a smart phone with a “QR” reader, you may access the Internet address by scanning the QR code on your proxy card. To record your voting instructions via automated telephone service, use the toll-free number listed on your proxy card. The Internet and telephone voting procedures are designed to authenticate Contract Owners’ identities, to allow Contract Owners to give their voting instructions, and to confirm that their instructions have been recorded properly.

Your fund’s Trustees have adopted a general policy of maintaining confidentiality in the voting of proxies and the giving of voting instructions. Consistent with this policy, your fund may solicit proxies from Contract Owners who have not voted their shares or who have abstained from voting.

Revocation of instructions. Any Contract Owner giving instructions to an Insurance Company has the power to revoke such instructions by mail by providing superseding instructions. All properly executed instructions received in time for the special meeting will be voted as specified in the instructions.

Revocation of proxies. Proxies, including proxies given by telephone or over the Internet, may be revoked at any time before they are voted either (i) by a written revocation received by the Clerk of your fund, (ii) by properly executing a later-dated proxy,

(iii) by recording later-dated voting instructions by telephone or via the Internet, or (iv) by attending the special meeting and voting in person.

Information for all Putnam funds other than Putnam High Income Securities Fund, Putnam Managed Municipal Income Trust, Putnam Master Intermediate Income Trust, Putnam Municipal Opportunities Trust and Putnam Premier Income Trust

Date for receipt of shareholders' proposals for subsequent meetings of shareholders.

Your fund does not regularly hold an annual shareholder meeting, but may from time to time schedule a special meeting. Putnam Asia Pacific Equity Fund and Putnam International Value Fund last held a special meeting in 2011. Each other fund's last special meeting was held in 2009, unless the fund commenced operations after 2009, in which case it has not yet held a shareholder meeting. In accordance with the regulations of the Securities and Exchange Commission, in order to be eligible for inclusion in the fund's proxy statement for a meeting, a shareholder or Contract Owner proposal must be received a reasonable time before the fund prints and mails its proxy statement.

As described in more detail earlier in this proxy statement, the Board Policy and Nominating Committee of the Board of Trustees, which consists only of Independent Trustees, will also consider nominees recommended by shareholders of the fund to serve as Trustees. A shareholder or Contract Owner must submit the names of any such nominees in writing to the fund, to the attention of the Clerk, at the address of the principal offices of the fund.

If a shareholder who wishes to present a proposal at a special shareholder meeting fails to notify the fund within a reasonable time before the fund mails its proxy statement, the persons named as proxies will have discretionary authority to vote on the shareholder's proposal if it is properly brought before the meeting. If a shareholder makes a timely notification, the proxies may still exercise discretionary voting authority under circumstances consistent with the Securities and Exchange Commission's proxy rules. All shareholder proposals must also comply with other requirements of the Security and Exchange Commission's rules and the fund's Agreement and Declaration of Trust and Bylaws.

Expense of the solicitation. For managing the funds' overall proxy campaign, Computershare Fund Solutions, 280 Oser Avenue, Hauppauge, NY 11788, will receive a management fee plus reimbursement for out-of-pocket expenses. Computershare Fund Solutions will also receive fees in connection with assembling, mailing, and transmitting the notice of meeting, proxy statement and related materials on behalf of the funds, tabulating those votes that are received, and any solicitation of additional votes. While the fees received by Computershare Fund Solutions will vary based on the level of additional solicitation necessary to achieve quorum and shareholder approval, the fees paid to Computershare Fund Solutions are estimated to be approximately \$2.7 million. In addition, banks, brokers, or other financial intermediaries holding shares as nominees will be reimbursed, upon request, for their reasonable expenses in sending solicitation materials to the principals of the accounts and tabulating those instructions that are received. Other costs associated

with the proxy campaign include the expenses of the preparation, printing, and delivery of proxy materials. All proxy campaign costs for the open-end funds (which are holding meetings to consider several matters) are being borne equally by Putnam Investments and the open-end funds (subject to any applicable expense limitations, under which Putnam Investments would bear the costs). All proxy campaign costs for the closed-end funds are being borne by Putnam Investments, because those funds are holding a special meeting only to approve new management contracts in connection with the Transfer.

Information for Putnam High Income Securities Fund, Putnam Managed Municipal Income Trust, Putnam Master Intermediate Income Trust, and Putnam Premier Income Trust

Date for receipt of shareholders' proposals for subsequent meetings of shareholders.

It is currently anticipated that your fund's next annual meeting of shareholders will be held on April 25, 2014, although the Trustees of your fund reserve the right to set an earlier or later date for the annual meeting for the 2013-2014 fiscal year. Shareholder proposals to be included in the proxy statement for that meeting must be received by your fund on or before January 31, 2014. In order for a shareholder proposal to be included in the proxy statement, both the submitting shareholder and the proposal itself must satisfy the requirements set forth in Rule 14a-8 under the Exchange Act. Shareholders who wish to make a proposal at the annual meeting for the 2013-2014 fiscal year — other than one that will be included in the fund's proxy materials — should notify the fund no later than January 31, 2014. The fund may exclude from the proxy materials and consideration at a meeting certain proposals as permitted by Securities and Exchange Commission rules and state law. Shareholders who wish to propose one or more nominees for election as Trustees, or to make a proposal fixing the number of Trustees, at the annual meeting for the 2013-2014 fiscal year must provide written notice to the fund (including all required information) so that such notice is received in good order by the fund no later than February 3, 2014.

Information for Putnam Municipal Opportunities Trust

Date for receipt of shareholders' proposals for subsequent meeting of shareholders.

It is currently anticipated that your fund's next annual meeting of shareholders will be held on April 25, 2014, although the Trustees of your fund reserve the right to set an earlier or later date for the annual meeting for the 2013-2014 fiscal year. Shareholder proposals to be included in the proxy statement for that meeting must have been received by the fund on or before November 20, 2013, as was indicated in the proxy statement for the fund's April 2013 annual meeting. In order for a shareholder proposal to be included in the proxy statement, both the submitting shareholder and the proposal itself must satisfy the requirements set forth in Rule 14a-8 under the Exchange Act. Shareholders who wish to make a proposal at the annual meeting for the 2013-2014 fiscal year — other than one that will be included in the fund's proxy materials — should notify the fund no later than February 3, 2014, as was indicated in the proxy statement for the fund's April 2013 annual meeting. The fund may exclude from the proxy materials and consideration at a meeting certain proposals as permitted by Securities and Exchange Commission rules and state law. Shareholders who wish to propose one or more nominees for election as Trustees, or

to make a proposal fixing the number of Trustees, at the annual meeting for the 2013–2014 fiscal year must provide written notice to the fund (including all required information) so that such notice is received in good order by the fund no earlier than January 25, 2014 and no later than February 24, 2014, as was indicated in the proxy statement for the fund's April 2013 annual meeting.

Information for all Putnam funds

Adjournment. To the extent permitted by each fund's Declaration of Trust and Bylaws, any meeting of shareholders may, by action of the chair of the meeting, be adjourned without further notice with respect to one or more matters to be considered at such meeting to a designated time and place, whether or not a quorum is present with respect to such matter. Upon motion of the chair of the meeting, the question of adjournment may be submitted to a vote of the shareholders, and in that case, any adjournment with respect to one or more matters must be approved by the vote of holders of a majority of the shares present and entitled to vote with respect to the matter or matters to be adjourned, to the extent permitted by each fund's Declaration of Trust and Bylaws. If the quorum required for the special meeting has not been met, the persons named as proxies intend to propose adjournment of the meeting and to vote all shares that they are entitled to vote in favor of such adjournment. If the quorum required for the special meeting has been met, but sufficient votes in favor of one or more of Proposals 1, 3, 4, and 5 are not received by the time scheduled for the meeting, the persons named as proxies may also propose adjournment of the meeting with respect to any or all proposals in order to permit solicitation of additional proxies. The persons named as proxies will vote in favor of adjournment those proxies that they are entitled to vote in favor of a proposal. They will vote against adjournment those proxies required to be voted against a proposal. Unless a proxy is otherwise limited in this regard, any shares present and entitled to vote at a meeting that are represented by broker non-votes, may, at the discretion of the proxies named therein, be voted in favor of such an adjournment. Adjournments of the special meeting may be proposed for a period or periods of not more than 60 days in the aggregate to permit further solicitation of proxies. Putnam Investments and the funds will share equally the costs of any additional solicitation and of any adjourned session. Any proposal for which sufficient favorable votes have been received may be acted upon and considered final regardless of whether the special meeting is adjourned to permit additional solicitation with respect to any other proposal that may properly come before the meeting.

Duplicate mailings. As permitted by Securities and Exchange Commission rules, Putnam Management's policy is to send a single copy of the proxy statement to shareholders who share the same last name and address, unless a shareholder previously has requested otherwise. Separate proxy cards will be included with the proxy statement for each account registered at that address. If you would prefer to receive your own copy of the proxy statement, please contact Putnam Investor Services by phone at 1-800-225-1581 or by mail at P.O. Box 8383, Boston, MA 02266-8383.

Financial information. Your fund's Clerk will furnish to you, upon request and without charge, a copy of the fund's annual report for its most recent fiscal year, and a copy of its semiannual report for any subsequent semiannual period. You may direct these requests to Putnam Investor Services,

P.O. Box 8383, Boston, MA 02266-8383 or by phone at 1-800-225-1581. You may also access copies of these reports by visiting Putnam's website at www.putnam.com/individual.

Fund Information

Putnam Investments. Putnam Management is an indirect wholly-owned subsidiary of Putnam Investments. Great-West Lifeco Inc., a financial services holding company with operations in Canada, the United States and Europe and a member of the Power Financial Corporation group of companies, owns a majority interest in Putnam Investments through a series of subsidiaries. Power Financial Corporation, a diversified management and holding company with direct and indirect interests in the financial services sector in Canada, the United States and Europe, is a subsidiary of Power Corporation of Canada, a diversified international management and holding company with interests in companies in the financial services, communications and other business sectors. The Desmarais Family Residuary Trust, a trust established pursuant to the Last Will and Testament of The Honourable Paul G. Desmarais, directly and indirectly controls a majority of the voting shares of Power Corporation of Canada.

The address of each of Putnam Investments and Putnam Management is One Post Office Square, Boston, Massachusetts 02109. The address of The Desmarais Family Residuary Trust is 759 Victoria Square, Montreal, Quebec H2Y 2J7. The address of Power Corporation of Canada, and Power Financial Corporation is 751 Victoria Square, Montreal, Quebec H2Y 2J3. The address of Great-West Lifeco Inc. is 100 Osborne Street North, Winnipeg, Manitoba, R3C 3A5. Robert L. Reynolds is the President and Chief Executive Officer of Putnam Investments. His address is One Post Office Square, Boston, MA 02109.

Putnam Management provides investment advisory services to other funds that may have investment objectives and policies similar to those of your fund. The table in **Appendix D** identifies these other funds and states their net assets and their current management fee schedules.

Putnam Investments Limited. Putnam Investments Limited, which has been retained by Putnam Management as investment sub-manager with respect to a portion of the assets of certain funds, is owned by The Putnam Advisory Company, LLC, which is a registered investment adviser owned indirectly by Putnam Investments. The directors of Putnam Investments Limited, listed along with their principal business occupations at Putnam Investments, are Simon Davis, Co-Head of International Equities, Alan G. McCormack, Head of Quantitative Equities and Risk, Joseph T. Phoenix, Head of Global Institutional Management, and Clare Richer, Chief Financial Officer. The address of Putnam Investments Limited, Alan G. McCormack and Simon Davis is Cassini House, 57-59 St. James's Street, London, England SW1A 1LD. The address of The Putnam Advisory Company, LLC and of Joseph T. Phoenix and Clare Richer is One Post Office Square, Boston, Massachusetts 02109.

The Putnam Advisory Company, LLC. The Putnam Advisory Company, LLC, which has also been retained by Putnam Management to serve as sub-adviser for a portion of the assets of certain funds, is owned by Putnam Investments through a series of wholly-owned subsidiaries. The address of The Putnam Advisory Company, LLC is One Post Office Square, Boston, Massachusetts 02109.

Putnam Retail Management. Putnam Retail Management, the principal underwriter for the open-end Putnam funds, is a limited partnership whose general partner (and minority owner) is Putnam Retail Management GP, Inc. and whose limited partner and majority owner is Putnam U.S. Holdings I, LLC, which is also the sole owner of Putnam Retail Management GP, Inc. and an indirect wholly-owned subsidiary of Putnam Investments. The address of each of Putnam Retail Management, Putnam Retail Management GP, Inc. and Putnam U.S. Holdings I, LLC is One Post Office Square, Boston, Massachusetts 02109.

Putnam Investor Services, Inc. Putnam Investor Services, Inc. serves as your fund's investor servicing agent. Putnam Investor Services, Inc. is an indirect wholly-owned subsidiary of Putnam Investments. The address of Putnam Investor Services, Inc. is One Post Office Square, Boston, Massachusetts 02109.

Payments to Putnam Management or its affiliates. Appendix J shows amounts paid to Putnam Management or its affiliates during each fund's most recent fiscal year ended prior to October 1, 2013 for the services noted. The funds made no other material payments to Putnam Management or its affiliates during the periods shown.

Limitation of Trustee liability. Your fund's Declaration of Trust provides that the fund will indemnify its Trustees and officers against liabilities and expenses incurred in connection with litigation in which they may be involved because of their offices with the fund, except if it is determined in the manner specified in the Declaration of Trust that they have not acted in good faith in the reasonable belief that their actions were in the best interests of the fund or that such indemnification would relieve any officer or Trustee of any liability to the fund or its shareholders arising by reason of willful misfeasance, bad faith, gross negligence or reckless disregard of his or her duties. Your fund, at its expense, provides liability insurance for the benefit of its Trustees and officers.

Officers and other information. All of the officers of your fund are employees of Putnam Management or its affiliates or serve on the staff of the Office of the Trustees. Because of his positions with Putnam Management or its affiliates, Mr. Reynolds, as well as the other affiliated officers of your fund, will benefit indirectly from the management fees and investor servicing fees paid or allowed by your fund. In addition to Mr. Reynolds, the other officers of your fund are as follows:

Name, Address ¹ , Year of Birth, Position(s) Held with the Putnam funds	Length of Service with the Putnam funds ²	Principal Occupations During Past 5 Years ³
Jonathan S. Horwitz⁴ (Born 1955) <i>Executive Vice President, Principal Executive Officer and Compliance Liaison</i>	Since 2004	Executive Vice President, Principal Executive Officer, and Compliance Liaison, The Putnam Funds
Steven D. Krichmar (Born 1958) <i>Vice President and Principal Financial Officer</i>	Since 2002	Chief of Operations, Putnam Investments and Putnam Management
Robert T. Burns (Born 1961) <i>Vice President and Chief Legal Officer</i>	Since 2011	General Counsel, Putnam Investments, Putnam Management, and Putnam Retail Management
Robert R. Leveille (Born 1969) <i>Vice President and Chief Compliance Officer</i>	Since 2007	Chief Compliance Officer, Putnam Investments, Putnam Management, and Putnam Retail Management
Michael J. Higgins⁴ (Born 1976) <i>Vice President, Treasurer, and Clerk</i>	Since 2010	Manager of Finance, Dunkin' Brands (2008–2010); Senior Financial Analyst, Old Mutual Asset Management (2007–2008)
Janet C. Smith (Born 1965) <i>Vice President, Principal Accounting Officer and Assistant Treasurer</i>	Since 2007	Director of Fund Administration Services, Putnam Investments and Putnam Management
Susan G. Malloy (Born 1957) <i>Vice President and Assistant Treasurer</i>	Since 2007	Director of Accounting and Control Services, Putnam Investments and Putnam Management
James P. Pappas (Born 1953) <i>Vice President</i>	Since 2004	Director of Trustee Relations, Putnam Investments and Putnam Management
Mark C. Trenchard (Born 1962) <i>Vice President and BSA Compliance Officer</i>	Since 2002	Director of Operational Compliance, Putnam Investments and Putnam Retail Management
Nancy E. Florek⁴ (Born 1957) <i>Vice President, Director of Proxy Voting and Corporate Governance, Assistant Clerk, and Associate Treasurer</i>	Since 2000	Vice President, Director of Proxy Voting and Corporate Governance, Assistant Clerk, and Associate Treasurer, The Putnam Funds

5% Beneficial Ownership. As of September 30, 2013, to the knowledge of the funds, no person other than those listed on Appendix K owned beneficially or of record 5% or more of any class of shares of any Putnam fund. Putnam Investments or one of its affiliates (typically Putnam Investment Holdings, LLC) typically provides initial capital sufficient for the operation of new funds. Putnam Investments and its affiliates intend to vote their shares for each of the proposals, in accordance with the Trustees' recommendations. As of the Record Date, these investments represented a majority of the outstanding voting shares of some Putnam funds. See Appendix K for information about persons owning 5% or more of any class of shares of each Putnam fund.

¹ The address of each officer is One Post Office Square, Boston, MA 02109.

² Each officer serves an indefinite term, until his or her resignation, retirement, death or removal.

³ Prior positions and/or officer appointments with the fund or the fund's investment adviser have been omitted.

⁴ Officers of the fund who are members of the Trustees' independent administrative staff. Compensation for these individuals is fixed by the Trustees and reimbursed to Putnam Management by the funds.

Appendix A — Number of Shares Outstanding as of the Record Date 12/02/2013

	Putnam Absolute Return 100 Fund	Putnam Absolute Return 300 Fund	Putnam Absolute Return 500 Fund	Putnam Absolute Return 700 Fund	Putnam American Government Income Fund
Class A	15,530,216.343	46,626,767.515	31,491,323.266	28,459,856.834	56,790,186.359
Class B	297,887.980	1,186,549.737	3,247,367.546	2,364,664.764	920,839.057
Class C	2,925,653.088	15,743,381.878	16,200,797.505	12,527,363.499	1,777,012.486
Class M	248,322.388	1,041,424.170	600,617.302	380,535.310	153,229.452
Class R	30,641.810	64,264.041	481,317.289	156,375.857	828,007.252
Class R5	996.612	975.430	902.440	866.606	1,117.524
Class R6	49,465.144	238,192.189	365,506.523	523,500.332	246,587.821
Class Y	7,177,921.872	23,971,760.154	19,039,987.567	38,463,840.482	2,286,432.762
	Putnam AMT-Free Municipal Fund	Putnam Arizona Tax Exempt Income Fund	Putnam Asia Pacific Equity Fund	Putnam California Tax Exempt Income Fund	Putnam Capital Opportunities Fund
Class A	22,323,478.806	5,107,730.093	760,957.256	166,710,913.516	18,257,304.334
Class B	229,312.555	140,289.162	23,690.240	900,565.337	924,941.642
Class C	2,052,414.397	272,422.628	40,088.928	5,728,336.013	1,853,002.655
Class M	67,225.781	121,962.784	4,085.321	335,685.823	308,666.425
Class R	—	—	11,670.841	—	1,295,849.526
Class R5	—	—	—	—	828.866
Class R6	—	—	—	—	590,512.090
Class Y	1,832,796.354	288,063.319	72,417.262	6,115,895.014	3,472,419.572
	Putnam Capital Spectrum Fund	Putnam Convertible Securities Fund	Putnam Diversified Income Trust	Putnam Dynamic Asset Allocation Balanced Fund	Putnam Dynamic Asset Allocation Conservative Fund
Class A	58,586,939.204	23,728,563.999	311,332,520.807	73,312,946.366	37,071,136.591
Class B	1,826,361.819	513,221.682	10,467,065.090	6,101,202.749	2,422,473.554
Class C	27,616,248.943	2,233,874.502	105,157,230.440	9,107,638.539	4,999,189.481
Class M	211,796.558	165,153.915	30,113,285.876	2,004,901.735	886,217.574
Class R	225,324.266	238,382.786	632,966.389	905,169.146	460,439.826
Class R5	—	—	1,293.328	7,567.479	1,073.688
Class R6	—	—	1,293.328	836,502.951	288,663.690
Class Y	69,463,936.835	8,516,528.967	185,995,045.757	8,747,646.165	6,458,359.452
	Putnam Dynamic Asset Allocation Equity Fund	Putnam Dynamic Asset Allocation Growth Fund	Putnam Dynamic Risk Allocation Fund	Putnam Emerging Markets Equity Fund	Putnam Emerging Markets Income Fund
Class A	2,767.796	77,415,213.756	4,049,864.166	2,721,095.299	1,045,036.260
Class B	—	7,542,982.727	302,657.502	228,750.300	2,124.348
Class C	—	9,629,964.582	1,735,731.235	265,172.702	17,241.074
Class M	—	1,768,994.511	29,891.512	47,872.801	2,247.241
Class R	—	1,017,040.425	42,998.082	31,517.832	—
Class R5	—	8,089.128	985.592	—	—
Class R6	—	1,566,697.407	193,651.927	—	—
Class Y	1,939,219.387	8,020,151.631	13,192,389.590	637,759.180	77,648.998
	Putnam Equity Income Fund	Putnam Equity Spectrum Fund	Putnam Europe Equity Fund	Putnam Floating Rate Income Fund	The Putnam Fund for Growth and Income
Class A	155,696,245.446	30,911,784.662	6,872,868.210	46,196,846.223	264,175,203.745
Class B	5,142,478.290	956,805.054	144,630.042	2,172,435.771	5,065,709.627
Class C	10,342,248.072	6,853,128.023	397,724.256	13,946,717.714	2,572,549.255
Class M	2,026,712.273	81,605.477	126,273.199	686,465.132	1,920,670.995
Class R	4,671,645.991	176,166.939	8,957.112	57,916.364	206,614.029
Class R5	668.538	—	—	—	749.287
Class R6	7,193,968.256	—	—	—	949,115.390
Class Y	54,513,456.070	22,930,780.188	898,227.004	43,950,678.886	2,382,557.411

	The George Putnam Fund of Boston (d/b/a George Putnam Balanced Fund)	Putnam Global Consumer Fund	Putnam Global Dividend Fund	Putnam Global Energy Fund	Putnam Global Equity Fund
Class A	68,127,494.943	740,312.483	837,767.527	1,126,787.494	67,793,161.663
Class B	1,721,208.520	63,939.423	7,391.578	179,906.201	1,849,385.266
Class C	1,648,508.801	149,628.673	20,912.292	103,099.328	1,236,530.942
Class M	5,026,563.095	3,138.735	5,995.149	4,682.227	1,063,107.344
Class R	66,316.401	10,024.583	—	83,586.992	96,846.625
Class R5	654.450	—	—	—	1,130.834
Class R6	654.450	—	—	—	751,971.922
Class Y	7,115,255.957	226,169.077	45,380.833	90,386.314	2,347,453.852
	Putnam Global Financials Fund	Putnam Global Health Care Fund	Putnam Global Income Trust	Putnam Global Industrials Fund	Putnam Global Natural Resources Fund
Class A	599,587.572	19,547,792.859	15,725,009.751	915,616.931	10,829,410.718
Class B	53,820.074	670,771.820	706,454.333	32,063.056	655,802.777
Class C	292,949.188	517,762.538	2,471,799.908	41,648.231	618,387.482
Class M	6,277.193	231,561.548	981,412.460	4,002.167	198,693.144
Class R	41,669.585	73,449.467	445,167.078	4,351.856	690,842.707
Class R5	—	—	841.607	—	—
Class R6	—	—	324,168.982	—	—
Class Y	357,970,000.000	538,193.021	3,211,011.676	120,915.048	2,353,765.507
	Putnam Global Sector Fund	Putnam Global Technology Fund	Putnam Global Telecommunications Fund	Putnam Global Utilities Fund	Putnam Growth Opportunities Fund
Class A	188,121.163	506,084.219	937,150.724	16,643,381.582	14,838,500.550
Class B	25,480.633	67,153.012	41,509.165	472,132.754	963,492.956
Class C	29,825.366	72,456.510	69,122.924	336,813.147	791,998.063
Class M	1,520.150	5,634.662	3,615.927	109,316.413	234,962.828
Class R	1,203.418	1,442.339	26,417.922	120,491.980	107,606.232
Class R5	—	—	—	—	562.135
Class R6	—	—	—	—	313,288.980
Class Y	263,319.232	128,796.649	257,134.047	313,798.851	560,550.823
	Putnam High Yield Advantage Fund	Putnam High Yield Trust	Putnam Income Fund	Putnam Intermediate-Term Municipal Income Fund	Putnam International Capital Opportunities Fund
Class A	91,273,484.204	138,666,369.784	108,666,103.602	1,153,536.137	15,919,800.597
Class B	2,827,606.048	2,493,430.670	4,765,285.278	3,897.538	484,648.779
Class C	4,785,794.129	7,169,615.597	18,358,331.057	1,001.173	1,085,497.617
Class M	21,803,778.932	2,875,641.795	17,415,047.391	1,003.612	210,092.590
Class R	3,996,770.774	1,480,566.775	1,164,229.548	—	1,095,292.706
Class R5	—	—	1,476.034	—	—
Class R6	—	—	2,322,354.477	—	—
Class Y	36,079,016.265	28,908,067.502	17,995,595.293	6,952.660	3,228,397.397
	Putnam International Equity Fund	Putnam International Growth Fund	Putnam International Value Fund	Putnam Investors Fund	Putnam Low Volatility Equity Fund
Class A	37,872,671.083	16,880,736.641	16,465,856.639	75,460,318.453	416,377.677
Class B	1,017,027.292	463,480.505	689,984.001	3,048,156.597	12,014.910
Class C	2,609,721.964	503,240.284	834,528.984	2,011,448.728	50,746.244
Class M	785,510.928	360,814.084	310,031.465	1,220,183.106	1,974.659
Class R	140,037.768	135,071.262	219,206.804	175,286.048	—
Class R5	590.424	—	862.069	723.708	—
Class R6	672,064.194	—	862.069	741,153.850	—
Class Y	2,591,203.774	1,071,065.920	684,216.774	2,859,646.396	2,336,475.481

	Putnam Massachusetts Tax Exempt Income Fund	Putnam Michigan Tax Exempt Income Fund	Putnam Minnesota Tax Exempt Income Fund	Putnam Money Market Fund	Putnam Money Market Liquidity Fund
Class A	27,059,781.704	7,018,350.011	9,595,024.658	1,300,934,543.297	—
Class B	361,410.316	169,591.508	146,367.666	13,654,800.654	—
Class C	3,522,638.768	206,698.563	1,860,989.780	23,234,119.813	—
Class M	320,548.059	22,632.815	59,023.048	29,862,067.876	—
Class P	—	—	—	—	2,147,598,088.530
Class R	—	—	—	32,264,082.355	—
Class R5	—	—	—	—	—
Class R6	—	—	—	—	—
Class T	—	—	—	19,569,916.936	—
Class Y	2,427,562.140	622,275.189	166,963.765	—	—
	Putnam Multi-Cap Core Fund	Putnam Multi-Cap Growth Fund	Putnam Multi-Cap Value Fund	Putnam New Jersey Tax Exempt Income Fund	Putnam New York Tax Exempt Income Fund
Class A	767,705.843	46,496,822.420	16,808,921.085	19,225,867.520	117,513,229.834
Class B	49,855.055	1,614,761.478	517,827.902	606,285.511	1,490,376.854
Class C	176,275.211	887,481.685	1,107,412.792	2,662,487.167	7,034,298.198
Class M	8,161.032	806,928.821	233,543.948	283,368.780	174,909.107
Class R	1,128.321	120,408.636	610,523.502	—	—
Class R5	—	—	—	—	—
Class R6	—	—	—	—	—
Class Y	340,503.482	2,041,560.945	1,156,908.196	1,835,054.990	2,257,779.960
	Putnam Ohio Tax Exempt Income Fund	Putnam Pennsylvania Tax Exempt Income Fund	Putnam Research Fund	Putnam RetirementReady 2055 Fund	Putnam RetirementReady 2050 Fund
Class A	13,490,976.120	18,618,327.659	9,510,752.563	55,151.256	271,332.557
Class B	207,261.008	626,203.852	499,179.988	2,442.396	15,566.866
Class C	1,278,170.697	2,959,353.534	630,928.035	7,594.117	19,882.032
Class M	50,815.987	452,660.844	197,280.226	2,588.269	2,012.163
Class R	—	—	9,126.279	7,210.260	129,701.827
Class R5	—	—	—	—	—
Class R6	—	—	—	—	—
Class Y	610,694.421	757,806.103	552,766.536	60,845.188	263,533.268
	Putnam RetirementReady 2045 Fund	Putnam RetirementReady 2040 Fund	Putnam RetirementReady 2035 Fund	Putnam RetirementReady 2030 Fund	Putnam RetirementReady 2025 Fund
Class A	423,312.939	565,567.393	785,933.081	1,074,802.518	1,280,107.983
Class B	16,393.074	43,530.540	57,661.059	68,505.862	55,062.757
Class C	16,878.945	22,888.403	29,759.595	44,010.867	50,041.481
Class M	1,329.391	3,115.990	15,813.870	10,294.547	9,828.527
Class R	137,244.718	175,749.214	226,038.297	359,785.060	276,096.963
Class R5	—	—	—	—	—
Class R6	—	—	—	—	—
Class Y	256,277.351	294,163.321	517,780.875	583,730.356	636,721.953
	Putnam RetirementReady 2020 Fund	Putnam RetirementReady 2015 Fund	Putnam Retirement Income Fund Lifestyle 1	Putnam Retirement Income Fund Lifestyle 2	Putnam Retirement Income Fund Lifestyle 3
Class A	1,288,497.310	941,396.272	851,370.965	1,160,549.558	1,071,826.156
Class B	75,984.891	48,183.920	10,173.080	16,676.043	76,953.990
Class C	74,870.876	27,981.316	38,949.620	22,717.807	265,648.764
Class M	8,388.061	8,277.432	19,569.003	12,264.259	45,630.088
Class R	282,762.488	176,130.951	61,524.090	10,003.077	359.919
Class R5	—	—	—	—	—
Class R6	—	—	—	—	—
Class Y	373,782.337	246,212.165	467,468.735	14,395.746	109,073.026

	Putnam Short Duration Income Fund	Putnam Short Term Investment Fund	Putnam Short-Term Municipal Income Fund	Putnam Small Cap Growth Fund	Putnam Small Cap Value Fund
Class A	116,416,702.151	—	1,472,476.184	4,407,984.600	10,749,203.666
Class B	51,199.615	—	2,842.018	42,169.548	315,678.112
Class C	787,365.468	—	17,450.562	284,006.059	1,053,925.093
Class M	67,831.971	—	7,017.874	50,015.223	102,200.082
Class P	—	2,712,183,315.000	—	—	—
Class R	200,274.123	—	—	402,428.468	36,630.307
Class R5	1,007.580	—	—	—	667.557
Class R6	47,471.078	—	—	—	667.557
Class Y	20,807,391.716	—	351,184.689	452,359.328	5,829,792.676
	Putnam Strategic Volatility Equity Fund	Putnam Tax Exempt Income Fund	Putnam Tax Exempt Money Market Fund	Putnam Tax-Free High Yield Fund	Putnam U.S. Government Income Trust
Class A	313,008.970	111,202,818.028	41,378,231.902	67,888,195.316	71,319,834.055
Class B	2,003.454	1,060,666.586	—	1,032,620.048	1,961,008.514
Class C	13,957.424	4,123,403.344	—	4,983,612.213	6,896,965.695
Class M	1,000.000	733,607.385	—	669,203.971	1,387,300.795
Class R	—	—	—	—	2,431,070.455
Class R5	—	—	—	—	—
Class R6	—	—	—	—	—
Class Y	101,691.007	3,012,841.875	—	4,703,563.010	4,738,785.072
	Putnam Voyager Fund				
Class A	113,575,724.134				
Class B	4,424,393.329				
Class C	5,567,398.615				
Class M	974,737.475				
Class R	612,881.436				
Class R5	463.415				
Class R6	1,085,157.778				
Class Y	10,414,967.550				
	Putnam High Income Securities Fund	Putnam Managed Municipal Income Trust	Putnam Master Intermediate Income Trust	Putnam Municipal Opportunities Trust	Putnam Premier Income Trust
Common	16,320,020.942	57,293,816.998	61,817,857.904	41,558,832.364	133,014,418.930
Series A Preferred	—	245	—	—	—
Series B Preferred	—	—	—	3,417	—
Series C Preferred	—	1,980	—	3,737	—
	Putnam VT Absolute Return 500 Fund	Putnam VT American Government Income Fund	Putnam VT Capital Opportunities Fund	Putnam VT Diversified Income Fund	Putnam VT Equity Income Fund
Class IA	1,000.000	5,788,658.152	793,711.393	16,270,898.873	10,047,859.135
Class IB	1,929,016.260	3,375,595.154	772,151.964	31,761,702.116	13,071,913.921
	Putnam VT George Putnam Balanced Fund	Putnam VT Global Asset Allocation Fund	Putnam VT Global Equity Fund	Putnam VT Global Health Care Fund	Putnam VT Global Utilities Fund
Class IA	9,094,776.157	7,534,607.440	13,027,877.260	3,046,967.539	6,623,829.677
Class IB	9,196,625.629	3,084,547.403	1,632,419.703	5,226,231.206	1,132,673.547
	Putnam VT Growth and Income Fund	Putnam VT Growth Opportunities Fund	Putnam VT High Yield Fund	Putnam VT Income Fund	Putnam VT International Equity Fund
Class IA	46,327,492.091	1,756,409.018	40,194,964.908	17,020,912.240	9,434,627.157
Class IB	10,260,917.421	1,724,067.926	14,417,444.979	10,762,233.612	19,040,850.019

	Putnam VT International Growth Fund	Putnam VT International Value Fund	Putnam VT Investors Fund	Putnam VT Money Market Fund	Putnam VT Multi-Cap Growth Fund
Class IA	2,036,666.262	6,786,673.413	5,700,933.820	86,734,418.180	19,542,124.928
Class IB	925,925.494	5,289,432.847	8,450,846.040	91,415,866.780	6,402,437.345
	Putnam VT Multi-Cap Value Fund	Putnam VT Research Fund	Putnam VT Small Cap Value Fund	Putnam VT Voyager Fund	
Class IA	1,572,334.763	1,413,391.263	3,466,827.207	13,913,308.814	
Class IB	695,538.002	1,833,749.125	7,259,010.760	4,405,281.156	

Appendix B — Forms of Proposed Management Contract

For the following funds only:

Putnam American Government Income Fund
Putnam AMT-Free Municipal Fund
Putnam Arizona Tax Exempt Income Fund
Putnam California Tax Exempt Income Fund
Putnam Capital Opportunities Fund
Putnam Convertible Securities Fund
Putnam Diversified Income Trust
Putnam Dynamic Asset Allocation Balanced Fund
Putnam Dynamic Asset Allocation Conservative Fund
Putnam Dynamic Asset Allocation Equity Fund
Putnam Dynamic Asset Allocation Growth Fund
Putnam Dynamic Risk Allocation Fund
Putnam Equity Income Fund
Putnam Emerging Markets Income Fund
Putnam Floating Rate Income Fund
The Putnam Fund for Growth and Income
The George Putnam Fund of Boston
(d/b/a George Putnam Balanced Fund)
Putnam Global Consumer Fund
Putnam Global Energy Fund
Putnam Global Financials Fund
Putnam Global Health Care Fund
Putnam Global Income Trust
Putnam Global Industrials Fund
Putnam Global Natural Resources Fund
Putnam Global Sector Fund
Putnam Global Technology Fund
Putnam Global Telecommunications Fund
Putnam Global Utilities Fund
Putnam High Yield Advantage Fund
Putnam High Yield Trust
Putnam Income Fund
Putnam Intermediate-Term Municipal Income Fund
Putnam Investors Fund
Putnam Low Volatility Equity Fund
Putnam Massachusetts Tax Exempt Income Fund
Putnam Michigan Tax Exempt Income Fund
Putnam Minnesota Tax Exempt Income Fund
Putnam Money Market Fund
Putnam Money Market Liquidity Fund
Putnam Multi-Cap Core Fund

Putnam Multi-Cap Value Fund
Putnam New Jersey Tax Exempt Income Fund
Putnam New York Tax Exempt Income Fund
Putnam Ohio Tax Exempt Income Fund
Putnam Pennsylvania Tax Exempt Income Fund
Putnam Research Fund
Putnam RetirementReady 2055 Fund
Putnam RetirementReady 2050 Fund
Putnam RetirementReady 2045 Fund
Putnam RetirementReady 2040 Fund
Putnam RetirementReady 2035 Fund
Putnam RetirementReady 2030 Fund
Putnam RetirementReady 2025 Fund
Putnam RetirementReady 2020 Fund
Putnam RetirementReady 2015 Fund
Putnam Retirement Income Fund Lifestyle 1
Putnam Retirement Income Fund Lifestyle 2
Putnam Retirement Income Fund Lifestyle 3
Putnam Short Duration Income Fund
Putnam Short Term Investment Fund
Putnam Short-Term Municipal Income Fund
Putnam Small Cap Value Fund
Putnam Tax Exempt Income Fund
Putnam Tax Exempt Money Market Fund
Putnam Tax-Free High Yield Fund
Putnam U.S. Government Income Trust
Putnam VT Absolute Return 500 Fund
Putnam VT American Government Income Fund
Putnam VT Capital Opportunities Fund
Putnam VT Diversified Income Fund
Putnam VT Equity Income Fund
Putnam VT George Putnam Balanced Fund
Putnam VT Global Asset Allocation Fund
Putnam VT Global Equity Fund
Putnam VT Global Health Care Fund
Putnam VT Global Utilities Fund
Putnam VT Growth and Income Fund
Putnam VT Growth Opportunities Fund
Putnam VT High Yield Fund
Putnam VT Income Fund
Putnam VT International Equity Fund
Putnam VT International Growth Fund

Putnam VT International Value Fund
Putnam VT Investors Fund
Putnam VT Money Market Fund
Putnam VT Multi-Cap Growth Fund

Putnam VT Multi-Cap Value Fund
Putnam VT Research Fund
Putnam VT Small Cap Value Fund
Putnam VT Voyager Fund

FORM OF PROPOSED MANAGEMENT CONTRACT

This Management Contract is dated as of February 27, 2014 between [NAME OF FUND], a Massachusetts business trust (the “Fund”), and PUTNAM INVESTMENT MANAGEMENT, LLC, a Delaware limited liability company (the “Manager”).

In consideration of the mutual covenants herein contained, it is agreed as follows:

1. SERVICES TO BE RENDERED BY MANAGER TO FUND.

(a) The Manager, at its expense, will furnish continuously an investment program for the Fund or, in the case of a Fund that has divided its shares into two or more series under Section 18(f) (2) of the Investment Company Act of 1940, as amended (the “1940 Act”), each series of the Fund identified from time to time on Schedule A to this Contract (each reference in this Contract to “a Fund” or to “the Fund” is also deemed to be a reference to any existing series of the Fund, as appropriate in the particular context), will determine what investments will be purchased, held, sold or exchanged by the Fund and what portion, if any, of the assets of the Fund will be held uninvested and will, on behalf of the Fund, make changes in such investments. Subject always to the control of the Trustees of the Fund and except for the functions carried out by the officers and personnel referred to in Section 1(d), the Manager will also manage, supervise and conduct the other affairs and business of the Fund and matters incidental thereto. In the performance of its duties, the Manager will comply with the provisions of the Agreement and Declaration of Trust and By-Laws of the Fund and the stated investment objectives, policies and restrictions of the Fund, will use its best efforts to safeguard and promote the welfare of the Fund and to comply with other policies which the Trustees may from time to time determine and will exercise the same care and diligence expected of the Trustees.

(b) The Manager, at its expense, except as such expense is paid by the Fund as provided in Section 1(d), will furnish (1) all necessary investment and management facilities, including salaries of personnel, required for it to execute its duties faithfully; (2) suitable office space for the Fund; and (3) administrative facilities, including bookkeeping, clerical personnel and equipment necessary for the efficient conduct of the affairs of the Fund, including determination of the net asset value of the Fund, but excluding shareholder accounting services. Except as otherwise provided in Section 1(d), the Manager will pay the compensation, if any, of the officers of the Fund.

(c) The Manager, at its expense, will place all orders for the purchase and sale of portfolio investments for the Fund’s account with brokers or dealers selected by the Manager. In the selection of such brokers or dealers and the placing of such

orders, the Manager will use its best efforts to obtain for the Fund the most favorable price and execution available, except to the extent it may be permitted to pay higher brokerage commissions for brokerage and research services as described below. In using its best efforts to obtain for the Fund the most favorable price and execution available, the Manager, bearing in mind the Fund’s best interests at all times, will consider all factors it deems relevant, including by way of illustration, price, the size of the transaction, the nature of the market for the security, the amount of the commission, the timing of the transaction taking into account market prices and trends, the reputation, experience and financial stability of the broker or dealer involved and the quality of service rendered by the broker or dealer in other transactions. Subject to such policies as the Trustees of the Fund may determine, the Manager will not be deemed to have acted unlawfully or to have breached any duty created by this Contract or otherwise solely by reason of its having caused the Fund to pay a broker or dealer that provides brokerage and research services to the Manager an amount of commission for effecting a portfolio investment transaction in excess of the amount of commission another broker or dealer would have charged for effecting that transaction, if the Manager determines in good faith that such amount of commission was reasonable in relation to the value of the brokerage and research services provided by such broker or dealer, viewed in terms of either that particular transaction or the Manager’s overall responsibilities with respect to the Fund and to other clients of the Manager as to which the Manager exercises investment discretion. The Manager agrees that in connection with purchases or sales of portfolio investments for the Fund’s account, neither the Manager nor any officer, director, employee or agent of the Manager shall act as a principal or receive any commission other than as provided in Section 3.

(d) The Fund will pay or reimburse the Manager for the compensation in whole or in part of such officers of the Fund and persons assisting them as may be determined from time to time by the Trustees of the Fund. The Fund will also pay or reimburse the Manager for all or part of the cost of suitable office space, utilities, support services and equipment attributable to such officers and persons as may be determined in each case by the Trustees of the Fund. The Fund will pay the fees, if any, of the Trustees of the Fund.

(e) The Manager will not be obligated to pay any expenses of or for the Fund not expressly assumed by the Manager pursuant to this Section 1 other than as provided in Section 3.

(f) Subject to the prior approval of a majority of the Trustees, including a majority of the Trustees who are not “interested persons” and, to the extent required by the 1940 Act and the

rules and regulations under the 1940 Act, subject to any applicable guidance or interpretation of the Securities and Exchange Commission or its staff, by the shareholders of the Fund, the Manager may, from time to time, delegate to a sub-adviser or sub-administrator any of the Manager's duties under this Contract, including the management of all or a portion of the assets being managed. In all instances, however, the Manager must oversee the provision of delegated services, the Manager must bear the separate costs of employing any sub-adviser or sub-administrator, and no delegation will relieve the Manager of any of its obligations under this Contract.

2. OTHER AGREEMENTS, ETC.

It is understood that any of the shareholders, Trustees, officers and employees of the Fund may be a shareholder, director, officer or employee of, or be otherwise interested in, the Manager, and in any person controlled by or under common control with the Manager, and that the Manager and any person controlled by or under common control with the Manager may have an interest in the Fund. It is also understood that the Manager and any person controlled by or under common control with the Manager may have advisory, management, service or other contracts with other organizations and persons and may have other interests and business.

3. COMPENSATION TO BE PAID BY THE FUND TO THE MANAGER.

The Fund will pay to the Manager as compensation for the Manager's services rendered, for the facilities furnished and for the expenses borne by the Manager pursuant to paragraphs (a), (b), and (c) of Section 1, a fee, based on the Fund's Average Net Assets, computed and paid monthly at the annual rate(s) set forth on Schedule B attached to this Contract, as from time to time amended. The Fund's "Average Net Assets" means the average of all of the determinations of the Fund's net asset value at the close of business on each business day during each month while this Contract is in effect, except as is otherwise specified on Schedule B. [The fee is payable for each month within 15 days after the close of the month.]¹

The fees payable by the Fund to the Manager pursuant to this Section 3 will be reduced by any commissions, fees, brokerage or similar payments received by the Manager or any affiliated person of the Manager in connection with the purchase and sale of portfolio investments of the Fund, less any direct expenses approved by the Trustees incurred by the Manager or any affiliated person of the Manager in connection with obtaining such payments.

In the event that expenses of the Fund for any fiscal year exceed the expense limitation on investment company expenses imposed by any statute or regulatory authority of any jurisdiction in which shares of the Fund are qualified for offer or sale, the compensation due the Manager for such fiscal year will

be reduced by the amount of excess by a reduction or refund thereof. In the event that the expenses of the Fund exceed any expense limitation which the Manager may, by written notice to the Fund, voluntarily declare to be effective subject to such terms and conditions as the Manager may prescribe in such notice, the compensation due the Manager will be reduced, and if necessary, the Manager will assume expenses of the Fund, to the extent required by the terms and conditions of such expense limitation.

If the Manager serves for less than the whole of a month, the foregoing compensation will be prorated.

4. ASSIGNMENT TERMINATES THIS CONTRACT; AMENDMENTS OF THIS CONTRACT.

This Contract will automatically terminate, without the payment of any penalty, in the event of its assignment, provided that no delegation of responsibilities by the Manager pursuant to Section 1(f) will be deemed to constitute an assignment. No provision of this Contract may be changed, waived, discharged or terminated orally, but only by an instrument in writing signed by the party against which enforcement of the change, waiver, discharge or termination is sought. No amendment of this Contract is effective until approved in a manner consistent with the 1940 Act, the rules and regulations under the 1940 Act and any applicable guidance or interpretation of the Securities and Exchange Commission or its staff.

5. EFFECTIVE PERIOD AND TERMINATION OF THIS CONTRACT.

This Contract is effective upon its execution and will remain in full force and effect as to a Fund continuously thereafter (unless terminated automatically as set forth in Section 4 or terminated in accordance with the following paragraph) through June 30, 2014, and will continue in effect from year to year thereafter so long as its continuance is approved at least annually by (i) the Trustees, or the shareholders by the affirmative vote of a majority of the outstanding shares of the respective Fund, and (ii) a majority of the Trustees who are not interested persons of the Fund or of the Manager, by vote cast in person at a meeting called for the purpose of voting on such approval.

Either party hereto may at any time terminate this Contract as to a Fund by not less than 60 days' written notice delivered or mailed by registered mail, postage prepaid, to the other party. Action with respect to a Fund may be taken either (i) by vote of a majority of the Trustees or (ii) by the affirmative vote of a majority of the outstanding shares of the respective Fund.

Termination of this Contract pursuant to this Section 5 will be without the payment of any penalty.

6. CERTAIN DEFINITIONS.

For the purposes of this Contract, the "affirmative vote of a majority of the outstanding shares" of a Fund means the affirmative vote, at a duly called and held meeting of

¹ For each series of Putnam RetirementReady Funds only, the fee is payable for each month within 30 days after the close of the month.

shareholders of the respective Fund, (a) of the holders of 67% or more of the shares of the Fund present (in person or by proxy) and entitled to vote at the meeting, if the holders of more than 50% of the outstanding shares of the Fund entitled to vote at the meeting are present in person or by proxy or (b) of the holders of more than 50% of the outstanding shares of the Fund entitled to vote at the meeting, whichever is less.

For the purposes of this Contract, the terms “affiliated person,” “control,” “interested person” and “assignment” have their respective meanings defined in the 1940 Act, subject, however, to the rules and regulations under the 1940 Act and any applicable guidance or interpretation of the Securities and Exchange Commission or its staff; the term “approve at least annually” will be construed in a manner consistent with the 1940 Act and the rules and regulations under the 1940 Act and any applicable guidance or interpretation of the Securities and Exchange Commission or its staff; and the term “brokerage and research services” has the meaning given in the Securities Exchange Act of 1934 and the rules and regulations under the Securities Exchange Act of 1934 and under any applicable guidance or interpretation of the Securities and Exchange Commission or its staff.

7. NON-LIABILITY OF MANAGER.

In the absence of willful misfeasance, bad faith or gross negligence on the part of the Manager, or reckless disregard of its obligations and duties hereunder, the Manager shall not be subject to any liability to the Fund or to any shareholder of the Fund for any act or omission in the course of, or connected with, rendering services hereunder.

8. LIMITATION OF LIABILITY OF THE TRUSTEES, OFFICERS, AND SHAREHOLDERS.

A copy of the Agreement and Declaration of Trust of the Fund is on file with the Secretary of The Commonwealth of Massachusetts, and notice is hereby given that this instrument is executed on behalf of the Trustees of the Fund as Trustees and not individually and that the obligations of or arising out of this instrument are not binding upon any of the Trustees, officers or shareholders individually but are binding only upon the assets and property of the respective Fund.

IN WITNESS WHEREOF, [NAME OF FUND] and PUTNAM INVESTMENT MANAGEMENT, LLC have each caused this instrument to be signed on its behalf by its President or a Vice President thereunto duly authorized, all as of the day and year first above written.

[NAME OF FUND]

By: _____

PUTNAM INVESTMENT MANAGEMENT, LLC

By: _____

Schedule A

[LIST OF FUNDS]

Schedule B

[FEE SCHEDULE: See **Appendix D** to this proxy statement for each fund’s detailed fee information. The management fee for each fund under the proposed new management contract is identical to that for each fund under the fund’s previous management contract.]

For the following funds only:

Putnam Absolute Return 500 Fund
Putnam Absolute Return 700 Fund
Putnam Asia Pacific Equity Fund
Putnam Capital Spectrum Fund
Putnam Emerging Markets Equity Fund
Putnam Equity Spectrum Fund
Putnam Europe Equity Fund
Putnam Global Dividend Fund
Putnam Global Equity Fund
Putnam Growth Opportunities Fund
Putnam International Capital Opportunities Fund
Putnam International Equity Fund
Putnam International Growth Fund
Putnam International Value Fund
Putnam Multi-Cap Growth Fund
Putnam Small Cap Growth Fund
Putnam Strategic Volatility Equity Fund
Putnam Voyager Fund

FORM OF PROPOSED MANAGEMENT CONTRACT

This Management Contract is dated as of February 27, 2014 between [NAME OF FUND], a Massachusetts business trust (the "Fund"), and PUTNAM INVESTMENT MANAGEMENT, LLC, a Delaware limited liability company (the "Manager").

In consideration of the mutual covenants herein contained, it is agreed as follows:

1. SERVICES TO BE RENDERED BY MANAGER TO FUND.

(a) The Manager, at its expense, will furnish continuously an investment program for the Fund or, in the case of a Fund that has divided its shares into two or more series under Section 18(f) (2) of the Investment Company Act of 1940, as amended (the "1940 Act"), each series of the Fund identified from time to time on Schedule A to this Contract (each reference in this Contract to "a Fund" or to "the Fund" is also deemed to be a reference to any existing series of the Fund, as appropriate in the particular context), will determine what investments will be purchased, held, sold or exchanged by the Fund and what portion, if any, of the assets of the Fund will be held uninvested and will, on behalf of the Fund, make changes in such investments. Subject always to the control of the Trustees of the Fund and except for the functions carried out by the officers and personnel referred to in Section 1(d), the Manager will also manage, supervise and conduct the other affairs and business of the Fund and matters incidental thereto. In the performance of its duties, the Manager will comply with the provisions of the Agreement and Declaration of Trust and By-Laws of the Fund and the stated investment objectives, policies and restrictions of the Fund, will use its best efforts to safeguard and promote the welfare of the Fund and to comply with other policies which the Trustees may from time to time determine and will exercise the same care and diligence expected of the Trustees.

(b) The Manager, at its expense, except as such expense is paid by the Fund as provided in Section 1(d), will furnish (1) all necessary investment and management facilities, including salaries of personnel, required for it to execute its duties faithfully; (2) suitable office space for the Fund; and (3) administrative facilities, including bookkeeping, clerical personnel and equipment necessary for the efficient conduct of the affairs of the Fund, including determination of the net asset value of the Fund, but excluding shareholder accounting services. Except as otherwise provided in Section 1(d), the Manager will pay the compensation, if any, of the officers of the Fund.

(c) The Manager, at its expense, will place all orders for the purchase and sale of portfolio investments for the Fund's account with brokers or dealers selected by the Manager. In the selection of such brokers or dealers and the placing of such orders, the Manager will use its best efforts to obtain for the Fund the most favorable price and execution available, except to the extent it may be permitted to pay higher brokerage commissions for brokerage and research services as described below. In using its best efforts to obtain for the Fund the most favorable price and execution available, the Manager, bearing in mind

the Fund's best interests at all times, will consider all factors it deems relevant, including by way of illustration, price, the size of the transaction, the nature of the market for the security, the amount of the commission, the timing of the transaction taking into account market prices and trends, the reputation, experience and financial stability of the broker or dealer involved and the quality of service rendered by the broker or dealer in other transactions. Subject to such policies as the Trustees of the Fund may determine, the Manager will not be deemed to have acted unlawfully or to have breached any duty created by this Contract or otherwise solely by reason of its having caused the Fund to pay a broker or dealer that provides brokerage and research services to the Manager an amount of commission for effecting a portfolio investment transaction in excess of the amount of commission another broker or dealer would have charged for effecting that transaction, if the Manager determines in good faith that such amount of commission was reasonable in relation to the value of the brokerage and research services provided by such broker or dealer, viewed in terms of either that particular transaction or the Manager's overall responsibilities with respect to the Fund and to other clients of the Manager as to which the Manager exercises investment discretion. The Manager agrees that in connection with purchases or sales of portfolio investments for the Fund's account, neither the Manager nor any officer, director, employee or agent of the Manager shall act as a principal or receive any commission other than as provided in Section 3.

(d) The Fund will pay or reimburse the Manager for the compensation in whole or in part of such officers of the Fund and persons assisting them as may be determined from time to time by the Trustees of the Fund. The Fund will also pay or reimburse the Manager for all or part of the cost of suitable office space, utilities, support services and equipment attributable to such officers and persons as may be determined in each case by the Trustees of the Fund. The Fund will pay the fees, if any, of the Trustees of the Fund.

(e) The Manager will not be obligated to pay any expenses of or for the Fund not expressly assumed by the Manager pursuant to this Section 1 other than as provided in Section 3.

(f) Subject to the prior approval of a majority of the Trustees, including a majority of the Trustees who are not "interested persons" and, to the extent required by the 1940 Act and the rules and regulations under the 1940 Act, subject to any applicable guidance or interpretation of the Securities and Exchange Commission or its staff, by the shareholders of the Fund, the Manager may, from time to time, delegate to a sub-adviser or sub-administrator any of the Manager's duties under this Contract, including the management of all or a portion of the assets being managed. In all instances, however, the Manager must oversee the provision of delegated services, the Manager must bear the separate costs of employing any sub-adviser or sub-administrator, and no delegation will relieve the Manager of any of its obligations under this Contract.

2. OTHER AGREEMENTS, ETC.

It is understood that any of the shareholders, Trustees, officers and employees of the Fund may be a shareholder, director, officer or employee of, or be otherwise interested in, the Manager, and in any person controlled by or under common control with the Manager, and that the Manager and any person controlled by or under common control with the Manager may have an interest in the Fund. It is also understood that the Manager and any person controlled by or under common control with the Manager may have advisory, management, service or other contracts with other organizations and persons and may have other interests and business.

3. COMPENSATION TO BE PAID BY THE FUND TO THE MANAGER.

The Fund will pay to the Manager as compensation for the Manager's services rendered, for the facilities furnished and for the expenses borne by the Manager pursuant to paragraphs (a), (b), and (c) of Section 1, a Base Fee, computed and paid monthly on the Average Net Assets of the Fund at the annual rates set forth on Schedule B attached to this Contract, as from time to time amended, subject to adjustment as set forth on Schedule C attached to this Contract, as from time to time amended. The Fund's "Average Net Assets" means the average of all of the determinations of the Fund's net asset value at the close of business on each business day during each period for which such computation is made. The Base Fee, as adjusted, is payable for each month within 15 days after the close of the month.

The fees payable by the Fund to the Manager pursuant to this Section 3 will be reduced by any commissions, fees, brokerage or similar payments received by the Manager or any affiliated person of the Manager in connection with the purchase and sale of portfolio investments of the Fund, less any direct expenses approved by the Trustees incurred by the Manager or any affiliated person of the Manager in connection with obtaining such payments.

In the event that expenses of the Fund for any fiscal year exceed the expense limitation on investment company expenses imposed by any statute or regulatory authority of any jurisdiction in which shares of the Fund are qualified for offer or sale, the compensation due the Manager for such fiscal year will be reduced by the amount of excess by a reduction or refund thereof. In the event that the expenses of the Fund exceed any expense limitation which the Manager may, by written notice to the Fund, voluntarily declare to be effective subject to such terms and conditions as the Manager may prescribe in such notice, the compensation due the Manager will be reduced, and if necessary, the Manager will assume expenses of the Fund, to the extent required by the terms and conditions of such expense limitation.

If the Manager serves for less than the whole of a month, the foregoing compensation will be prorated.

4. ASSIGNMENT TERMINATES THIS CONTRACT; AMENDMENTS OF THIS CONTRACT.

This Contract will automatically terminate, without the payment of any penalty, in the event of its assignment, provided that no delegation of responsibilities by the Manager pursuant to Section 1(f) will be deemed to constitute an assignment. No provision of this Contract may be changed, waived, discharged or terminated orally, but only by an instrument in writing signed by the party against which enforcement of the change, waiver, discharge or termination is sought. No amendment of this Contract is effective until approved in a manner consistent with the 1940 Act, the rules and regulations under the 1940 Act and any applicable guidance or interpretation of the Securities and Exchange Commission or its staff.

5. EFFECTIVE PERIOD AND TERMINATION OF THIS CONTRACT.

This Contract is effective upon its execution and will remain in full force and effect as to a Fund continuously thereafter (unless terminated automatically as set forth in Section 4 or terminated in accordance with the following paragraph) through June 30, 2014, and will continue in effect from year to year thereafter so long as its continuance is approved at least annually by (i) the Trustees, or the shareholders by the affirmative vote of a majority of the outstanding shares of the respective Fund, and (ii) a majority of the Trustees who are not interested persons of the Fund or of the Manager, by vote cast in person at a meeting called for the purpose of voting on such approval.

Either party hereto may at any time terminate this Contract as to a Fund by not less than 60 days' written notice delivered or mailed by registered mail, postage prepaid, to the other party. Action with respect to a Fund may be taken either (i) by vote of a majority of the Trustees or (ii) by the affirmative vote of a majority of the outstanding shares of the respective Fund.

Termination of this Contract pursuant to this Section 5 will be without the payment of any penalty.

6. CERTAIN DEFINITIONS.

For the purposes of this Contract, the "affirmative vote of a majority of the outstanding shares" of a Fund means the affirmative vote, at a duly called and held meeting of shareholders of the respective Fund, (a) of the holders of 67% or more of the shares of the Fund present (in person or by proxy) and entitled to vote at the meeting, if the holders of more than 50% of the outstanding shares of the Fund entitled to vote at the meeting are present in person or by proxy or (b) of the holders of more than 50% of the outstanding shares of the Fund entitled to vote at the meeting, whichever is less.

For the purposes of this Contract, the terms "affiliated person," "control," "interested person" and "assignment" have their respective meanings defined in the 1940 Act, subject, however, to the rules and regulations under the 1940 Act and any applicable guidance or interpretation of the Securities and Exchange Commission or its staff; the term "approve at least annually" will be construed in a manner consistent with the 1940 Act and

the rules and regulations under the 1940 Act and any applicable guidance or interpretation of the Securities and Exchange Commission or its staff; and the term “brokerage and research services” has the meaning given in the Securities Exchange Act of 1934 and the rules and regulations under the Securities Exchange Act of 1934 and under any applicable guidance or interpretation of the Securities and Exchange Commission or its staff.

7. NON-LIABILITY OF MANAGER.

In the absence of willful misfeasance, bad faith or gross negligence on the part of the Manager, or reckless disregard of its obligations and duties hereunder, the Manager shall not be subject to any liability to the Fund or to any shareholder of the Fund for any act or omission in the course of, or connected with, rendering services hereunder.

8. LIMITATION OF LIABILITY OF THE TRUSTEES, OFFICERS, AND SHAREHOLDERS.

A copy of the Agreement and Declaration of Trust of the Fund is on file with the Secretary of The Commonwealth of Massachusetts, and notice is hereby given that this instrument is executed on behalf of the Trustees of the Fund as Trustees and not individually and that the obligations of or arising out of this instrument are not binding upon any of the Trustees, officers or shareholders individually but are binding only upon the assets and property of the respective Fund.

IN WITNESS WHEREOF, [NAME OF FUND] and PUTNAM INVESTMENT MANAGEMENT, LLC have each caused this instrument to be signed on its behalf by its President or a Vice President thereunto duly authorized, all as of the day and year first above written.

[NAME OF FUND]

By: _____

PUTNAM INVESTMENT MANAGEMENT, LLC

By: _____

Schedule A

[LIST OF FUNDS]

Schedule B

[FEE SCHEDULE: See **Appendix D** to this proxy statement for each fund’s detailed fee information. The management fee for each fund under the proposed new management contract is identical to that for each fund under the fund’s previous management contract.]

Schedule C

PUTNAM ABSOLUTE RETURN 500 FUND, PUTNAM ABSOLUTE RETURN 700 FUND, PUTNAM CAPITAL SPECTRUM FUND, PUTNAM EQUITY SPECTRUM FUND, PUTNAM GLOBAL DIVIDEND FUND, AND PUTNAM STRATEGIC VOLATILITY EQUITY FUND: Commencing with the thirteenth whole calendar month of the Fund’s operations, the Fund’s Base Fee computed in accordance with Schedule B will be adjusted, on a monthly basis, upward or downward, as the case may be, by an amount computed by applying the Performance Adjustment Rate to the Average Net Assets of the Fund for the Performance Period and dividing the result by twelve.

PUTNAM ASIA PACIFIC EQUITY FUND, PUTNAM EMERGING MARKETS EQUITY FUND, PUTNAM EUROPE EQUITY FUND, PUTNAM GLOBAL EQUITY FUND, PUTNAM GROWTH OPPORTUNITIES FUND, PUTNAM INTERNATIONAL CAPITAL OPPORTUNITIES FUND, PUTNAM INTERNATIONAL EQUITY FUND, PUTNAM INTERNATIONAL GROWTH FUND, PUTNAM INTERNATIONAL VALUE FUND, PUTNAM MULTI-CAP GROWTH FUND, PUTNAM SMALL CAP GROWTH FUND, AND PUTNAM VOYAGER FUND: The Fund’s Base Fee computed in accordance with Schedule B will be adjusted, on a monthly basis, upward or downward, as the case may be, by an amount computed by applying the Performance Adjustment Rate to the Average Net Assets of the Fund for the Performance Period and dividing the result by twelve.

PUTNAM ABSOLUTE RETURN 500 FUND, PUTNAM ABSOLUTE RETURN 700 FUND, PUTNAM CAPITAL SPECTRUM FUND, PUTNAM EQUITY SPECTRUM FUND, PUTNAM GLOBAL DIVIDEND FUND, AND PUTNAM STRATEGIC VOLATILITY EQUITY FUND: **Performance Period.** The Performance Period is equal to the shorter of (i) the period from the date the Fund commenced operations to the end of the month for which the fee adjustment is being computed or (ii) the thirty-six month period then ended.

PUTNAM ASIA PACIFIC EQUITY FUND, PUTNAM EMERGING MARKETS EQUITY FUND, PUTNAM EUROPE EQUITY FUND, PUTNAM GLOBAL EQUITY FUND, PUTNAM GROWTH OPPORTUNITIES FUND, PUTNAM INTERNATIONAL CAPITAL OPPORTUNITIES FUND, PUTNAM INTERNATIONAL EQUITY FUND, PUTNAM INTERNATIONAL GROWTH FUND, PUTNAM INTERNATIONAL VALUE FUND, PUTNAM SMALL CAP GROWTH FUND, AND PUTNAM VOYAGER FUND: **Performance Period.** The Performance Period is equal to the shorter of (i) the period from January 1, 2010 to the end of the month for which the fee adjustment is being computed or (ii) the thirty-six month period then ended.

PUTNAM MULTI-CAP GROWTH FUND: **Performance Period.** The Performance Period is equal to the shorter of (i) the period from February 1, 2010 to the end of the month for which the fee adjustment is being computed or (ii) the thirty-six month period then ended.

PUTNAM ABSOLUTE RETURN 500 FUND AND PUTNAM ABSOLUTE RETURN 700 FUND: **Performance Adjustment Rate.** The Performance Adjustment Rate is equal to the product of 0.04 multiplied by the difference, positive or negative, obtained by subtracting (i) the sum of the Investment Record of the Benchmark for the Performance Period plus the Hurdle from (ii) the Investment Performance of the Measuring Class for the Performance Period; *provided* that the Performance Adjustment Rate for the Fund may not exceed the Maximum Performance Adjustment Rate set forth on [Schedule B](#) or be less than the Minimum Performance Adjustment Rate set forth on [Schedule B](#).

PUTNAM CAPITAL SPECTRUM FUND AND PUTNAM EQUITY SPECTRUM FUND: **Performance Adjustment Rate.** The Performance Adjustment Rate is equal to the product of 0.04 multiplied by the difference, positive or negative, obtained by subtracting (i) the Investment Record of the Benchmark for the Performance Period from (ii) the Investment Performance of the Measuring Class for the Performance Period; *provided* that the Performance Adjustment Rate for the Fund may not exceed the Maximum Performance Adjustment Rate set forth on [Schedule B](#) or be less than the Minimum Performance Adjustment Rate set forth on [Schedule B](#).

PUTNAM ASIA PACIFIC EQUITY FUND, PUTNAM EMERGING MARKETS EQUITY FUND, PUTNAM EUROPE EQUITY FUND, PUTNAM GLOBAL DIVIDEND FUND, PUTNAM GLOBAL EQUITY FUND, PUTNAM GROWTH OPPORTUNITIES FUND, PUTNAM INTERNATIONAL CAPITAL OPPORTUNITIES FUND, PUTNAM INTERNATIONAL EQUITY FUND, PUTNAM INTERNATIONAL GROWTH FUND, PUTNAM INTERNATIONAL VALUE FUND, PUTNAM MULTI-CAP GROWTH FUND, PUTNAM SMALL CAP GROWTH FUND, PUTNAM STRATEGIC VOLATILITY EQUITY FUND, AND PUTNAM VOYAGER FUND: **Performance Adjustment Rate.** The Performance Adjustment Rate is equal to the product of 0.03 multiplied by the difference, positive or negative, obtained by subtracting (i) the Investment Record of the Benchmark for the Performance Period from (ii) the Investment Performance of the Measuring Class for the Performance Period; *provided* that the Performance Adjustment Rate for the Fund may not exceed the Maximum Performance Adjustment Rate set forth on [Schedule B](#) or be less than the Minimum Performance Adjustment Rate set forth on [Schedule B](#).

ALL FUNDS: **Investment Performance and Investment Record.** These terms are used as defined in Rule 205-1 under the Investment Advisers Act of 1940, as amended, and shall each be computed on an annualized basis for any Performance Period greater than one year.

PUTNAM ABSOLUTE RETURN 500 FUND AND PUTNAM ABSOLUTE RETURN 700 FUND: **Hurdle.** The Fund's Hurdle is set forth in [Schedule B](#).

PUTNAM ABSOLUTE RETURN 500 FUND, PUTNAM ABSOLUTE RETURN 700 FUND, PUTNAM CAPITAL SPECTRUM FUND,

PUTNAM EMERGING MARKETS EQUITY FUND, PUTNAM EQUITY SPECTRUM FUND, PUTNAM EUROPE EQUITY FUND, PUTNAM GLOBAL DIVIDEND FUND, PUTNAM GLOBAL EQUITY FUND, PUTNAM GROWTH OPPORTUNITIES FUND, PUTNAM INTERNATIONAL CAPITAL OPPORTUNITIES FUND, PUTNAM INTERNATIONAL EQUITY FUND, PUTNAM INTERNATIONAL GROWTH FUND, PUTNAM MULTI-CAP GROWTH FUND, PUTNAM SMALL CAP GROWTH FUND, PUTNAM STRATEGIC VOLATILITY EQUITY FUND, AND PUTNAM VOYAGER FUND: **Benchmark.** The Fund's initial Benchmark is set forth in [Schedule B](#). If the Trustees determine that another appropriate index of securities prices should be substituted as the Benchmark, the Trustees may determine, with the consent of the Manager, to use such other appropriate index of securities prices for purposes of this [Schedule C](#) (the "Replacement Benchmark") without shareholder approval, unless shareholder approval of the change is otherwise required by applicable law. Any Replacement Benchmark will be applied prospectively to determine the amount of the Performance Adjustment. The Benchmark will continue to be used to determine the amount of the Performance Adjustment for that part of the Performance Period prior to the effective date of the Replacement Benchmark.

PUTNAM ASIA PACIFIC EQUITY FUND AND PUTNAM INTERNATIONAL VALUE FUND: **Benchmark.** The Fund's initial Benchmark is set forth in [Schedule B](#). If the Trustees determine that another appropriate index of securities prices should be substituted as the Benchmark, the Trustees may determine, with the consent of the Manager, to use such other appropriate index of securities prices for purposes of this [Schedule C](#) (the "Replacement Benchmark") without shareholder approval, unless shareholder approval of the change is otherwise required by applicable law. Any Replacement Benchmark will be applied prospectively to determine the amount of the Performance Adjustment. The Benchmark will continue to be used to determine the amount of the Performance Adjustment for that part of the Performance Period prior to the effective date of the Replacement Benchmark.

The Fund's initial Replacement Benchmark is set forth in [Schedule B](#), together with its effective date of incorporation into the calculation of any adjustment to the Fund's Base Fee. Any further Replacement Benchmark, and its effective date of incorporation into the calculation of any adjustment to the Fund's Base Fee, will also be identified on [Schedule B](#).

ALL FUNDS: **Measuring Class.** The "Measuring Class" of shares of the Fund initially is Class A shares of the Fund. If the Trustees determine that a different class of shares of the Fund is the most appropriate for use in calculating the Performance Adjustment, the Trustees may change, with the consent of the Manager, the class of shares used as the Measuring Class without shareholder approval, unless shareholder approval of such change is otherwise required by applicable law. If a different class of shares ("Replacement Measuring Class") is substituted in calculating the Performance Adjustment, the use of that Replacement

Measuring Class of shares for purposes of calculating the Performance Adjustment may apply to the entire Performance Period so long as the Replacement Measuring Class was outstanding at the beginning of such period. If the Replacement Measuring Class of shares was not outstanding for all or a portion of the Performance Period, it may only be used in calculating that portion of the Performance Adjustment attributable to the period during which the Replacement Measuring Class was outstanding and any previous portion of the Performance Period will be calculated using the Measuring Class.

Notwithstanding any other provisions in this [Schedule C](#), the computation of the Performance Adjustment Rate, the Investment Performance of the Measuring Class and the Investment Record of the Benchmark will be made in accordance with the Investment Advisers Act of 1940, as amended, and any applicable rules thereunder.

For the following funds only:

Putnam Absolute Return 100 Fund

Putnam Absolute Return 300 Fund

FORM OF PROPOSED MANAGEMENT CONTRACT

This Management Contract is dated as of February 27, 2014 between [NAME OF FUND], a Massachusetts business trust (the "Fund"), and PUTNAM INVESTMENT MANAGEMENT, LLC, a Delaware limited liability company (the "Manager").

In consideration of the mutual covenants herein contained, it is agreed as follows:

1. SERVICES TO BE RENDERED BY MANAGER TO FUND.

(a) The Manager, at its expense, will furnish continuously an investment program for the Fund or, in the case of a Fund that has divided its shares into two or more series under Section 18(f) (2) of the Investment Company Act of 1940, as amended (the "1940 Act"), each series of the Fund identified from time to time on [Schedule A](#) to this Contract (each reference in this Contract to "a Fund" or to "the Fund" is also deemed to be a reference to any existing series of the Fund, as appropriate in the particular context), will determine what investments will be purchased, held, sold or exchanged by the Fund and what portion, if any, of the assets of the Fund will be held uninvested and will, on behalf of the Fund, make changes in such investments. Subject always to the control of the Trustees of the Fund and except for the functions carried out by the officers and personnel referred to in Section 1(d), the Manager will also manage, supervise and conduct the other affairs and business of the Fund and matters incidental thereto. In the performance of its duties, the Manager will comply with the provisions of the Agreement and Declaration of Trust and By-Laws of the Fund and the stated investment objectives, policies and restrictions of the Fund, will use its best efforts to safeguard and promote the welfare of the Fund and to comply with other policies which the Trustees may from time

to time determine and will exercise the same care and diligence expected of the Trustees.

(b) The Manager, at its expense, except as such expense is paid by the Fund as provided in Section 1(d), will furnish (1) all necessary investment and management facilities, including salaries of personnel, required for it to execute its duties faithfully; (2) suitable office space for the Fund; and (3) administrative facilities, including bookkeeping, clerical personnel and equipment necessary for the efficient conduct of the affairs of the Fund, including determination of the net asset value of the Fund, but excluding shareholder accounting services. Except as otherwise provided in Section 1(d), the Manager will pay the compensation, if any, of the officers of the Fund.

(c) The Manager, at its expense, will place all orders for the purchase and sale of portfolio investments for the Fund's account with brokers or dealers selected by the Manager. In the selection of such brokers or dealers and the placing of such orders, the Manager will use its best efforts to obtain for the Fund the most favorable price and execution available, except to the extent it may be permitted to pay higher brokerage commissions for brokerage and research services as described below. In using its best efforts to obtain for the Fund the most favorable price and execution available, the Manager, bearing in mind the Fund's best interests at all times, will consider all factors it deems relevant, including by way of illustration, price, the size of the transaction, the nature of the market for the security, the amount of the commission, the timing of the transaction taking into account market prices and trends, the reputation, experience and financial stability of the broker or dealer involved and the quality of service rendered by the broker or dealer in other transactions. Subject to such policies as the Trustees of the Fund may determine, the Manager will not be deemed to have acted unlawfully or to have breached any duty created by this Contract or otherwise solely by reason of its having caused the Fund to pay a broker or dealer that provides brokerage and research services to the Manager an amount of commission for effecting a portfolio investment transaction in excess of the amount of commission another broker or dealer would have charged for effecting that transaction, if the Manager determines in good faith that such amount of commission was reasonable in relation to the value of the brokerage and research services provided by such broker or dealer, viewed in terms of either that particular transaction or the Manager's overall responsibilities with respect to the Fund and to other clients of the Manager as to which the Manager exercises investment discretion. The Manager agrees that in connection with purchases or sales of portfolio investments for the Fund's account, neither the Manager nor any officer, director, employee or agent of the Manager shall act as a principal or receive any commission other than as provided in Section 3.

(d) In consideration of the fees payable by the Fund to the Manager pursuant to Section 3, the Manager will also pay, or reimburse the Fund for, all of the Fund's organizational and

other operating expenses, excluding only fees payable under distribution plans adopted pursuant to Rule 12b-1 under the 1940 Act, any upward or downward adjustments to the Fund's Base Fee, brokerage, interest, taxes, investment-related expenses, extraordinary expenses, and acquired fund fees and expenses.

(e) Subject to the prior approval of a majority of the Trustees, including a majority of the Trustees who are not "interested persons" and, to the extent required by the 1940 Act and the rules and regulations under the 1940 Act, subject to any applicable guidance or interpretation of the Securities and Exchange Commission or its staff, by the shareholders of the Fund, the Manager may, from time to time, delegate to a sub-adviser or sub-administrator any of the Manager's duties under this Contract, including the management of all or a portion of the assets being managed. In all instances, however, the Manager must oversee the provision of delegated services, the Manager must bear the separate costs of employing any sub-adviser or sub-administrator, and no delegation will relieve the Manager of any of its obligations under this Contract.

2. OTHER AGREEMENTS, ETC.

It is understood that any of the shareholders, Trustees, officers and employees of the Fund may be a shareholder, director, officer or employee of, or be otherwise interested in, the Manager, and in any person controlled by or under common control with the Manager, and that the Manager and any person controlled by or under common control with the Manager may have an interest in the Fund. It is also understood that the Manager and any person controlled by or under common control with the Manager may have advisory, management, service or other contracts with other organizations and persons and may have other interests and business.

3. COMPENSATION TO BE PAID BY THE FUND TO THE MANAGER.

The Fund will pay to the Manager as compensation for the Manager's services rendered, for the facilities furnished and for the expenses borne by the Manager pursuant to paragraphs (a), (b), and (c) of Section 1, a Base Fee, computed and paid monthly on the Average Net Assets of the Fund at the annual rate set forth on Schedule B attached to this Contract, as from time to time amended, subject to adjustment as set forth on Schedule C attached to this Contract, as from time to time amended. The Fund's "Average Net Assets" means the average of all of the determinations of the Fund's net asset value at the close of business on each business day during each period for which such computation is made. The Base Fee, as adjusted, is payable for each month within 15 days after the close of the month.

The fees payable by the Fund to the Manager pursuant to this Section 3 will be reduced by any commissions, fees, brokerage or similar payments received by the Manager or any affiliated person of the Manager in connection with the purchase and sale of portfolio investments of the Fund, less any direct expenses approved by the Trustees incurred by the Manager or any

affiliated person of the Manager in connection with obtaining such payments.

In the event that expenses of the Fund for any fiscal year exceed the expense limitation on investment company expenses imposed by any statute or regulatory authority of any jurisdiction in which shares of the Fund are qualified for offer or sale, the compensation due the Manager for such fiscal year will be reduced by the amount of excess by a reduction or refund thereof. In the event that the expenses of the Fund exceed any expense limitation which the Manager may, by written notice to the Fund, voluntarily declare to be effective subject to such terms and conditions as the Manager may prescribe in such notice, the compensation due the Manager will be reduced, and if necessary, the Manager will assume expenses of the Fund, to the extent required by the terms and conditions of such expense limitation.

If the Manager serves for less than the whole of a month, the foregoing compensation will be prorated.

4. ASSIGNMENT TERMINATES THIS CONTRACT; AMENDMENTS OF THIS CONTRACT.

This Contract will automatically terminate, without the payment of any penalty, in the event of its assignment, provided that no delegation of responsibilities by the Manager pursuant to Section 1(f) will be deemed to constitute an assignment. No provision of this Contract may be changed, waived, discharged or terminated orally, but only by an instrument in writing signed by the party against which enforcement of the change, waiver, discharge or termination is sought. No amendment of this Contract is effective until approved in a manner consistent with the 1940 Act, the rules and regulations under the 1940 Act and any applicable guidance or interpretation of the Securities and Exchange Commission or its staff.

5. EFFECTIVE PERIOD AND TERMINATION OF THIS CONTRACT.

This Contract is effective upon its execution and will remain in full force and effect as to a Fund continuously thereafter (unless terminated automatically as set forth in Section 4 or terminated in accordance with the following paragraph) through June 30, 2014, and will continue in effect from year to year thereafter so long as its continuance is approved at least annually by (i) the Trustees, or the shareholders by the affirmative vote of a majority of the outstanding shares of the respective Fund, and (ii) a majority of the Trustees who are not interested persons of the Fund or of the Manager, by vote cast in person at a meeting called for the purpose of voting on such approval.

Either party hereto may at any time terminate this Contract as to a Fund by not less than 60 days' written notice delivered or mailed by registered mail, postage prepaid, to the other party. Action with respect to a Fund may be taken either (i) by vote of a majority of the Trustees or (ii) by the affirmative vote of a majority of the outstanding shares of the respective Fund.

Termination of this Contract pursuant to this Section 5 will be without the payment of any penalty.

6. CERTAIN DEFINITIONS.

For the purposes of this Contract, the “affirmative vote of a majority of the outstanding shares” of a Fund means the affirmative vote, at a duly called and held meeting of shareholders of the respective Fund, (a) of the holders of 67% or more of the shares of the Fund present (in person or by proxy) and entitled to vote at the meeting, if the holders of more than 50% of the outstanding shares of the Fund entitled to vote at the meeting are present in person or by proxy or (b) of the holders of more than 50% of the outstanding shares of the Fund entitled to vote at the meeting, whichever is less.

For the purposes of this Contract, the terms “affiliated person,” “control,” “interested person” and “assignment” have their respective meanings defined in the 1940 Act, subject, however, to the rules and regulations under the 1940 Act and any applicable guidance or interpretation of the Securities and Exchange Commission or its staff; the term “approve at least annually” will be construed in a manner consistent with the 1940 Act and the rules and regulations under the 1940 Act and any applicable guidance or interpretation of the Securities and Exchange Commission or its staff; and the term “brokerage and research services” has the meaning given in the Securities Exchange Act of 1934 and the rules and regulations under the Securities Exchange Act of 1934 and under any applicable guidance or interpretation of the Securities and Exchange Commission or its staff.

7. NON-LIABILITY OF MANAGER.

In the absence of willful misfeasance, bad faith or gross negligence on the part of the Manager, or reckless disregard of its obligations and duties hereunder, the Manager shall not be subject to any liability to the Fund or to any shareholder of the Fund for any act or omission in the course of, or connected with, rendering services hereunder.

8. LIMITATION OF LIABILITY OF THE TRUSTEES, OFFICERS, AND SHAREHOLDERS.

A copy of the Agreement and Declaration of Trust of the Fund is on file with the Secretary of The Commonwealth of Massachusetts, and notice is hereby given that this instrument is executed on behalf of the Trustees of the Fund as Trustees and not individually and that the obligations of or arising out of this instrument are not binding upon any of the Trustees, officers or shareholders individually but are binding only upon the assets and property of the respective Fund.

IN WITNESS WHEREOF, [NAME OF FUND] and PUTNAM INVESTMENT MANAGEMENT, LLC have each caused this instrument to be signed on its behalf by its President or a Vice President thereunto duly authorized, all as of the day and year first above written.

[NAME OF FUND]

By: _____

PUTNAM INVESTMENT MANAGEMENT, LLC

By: _____

Schedule A

[LIST OF FUNDS]

Schedule B

[FEE SCHEDULE: See **Appendix D** to this proxy statement for each fund’s detailed fee information. The management fee for each fund under the proposed new management contract is identical to that for each fund under the fund’s previous management contract.]

Schedule C

Commencing with the thirteenth whole calendar month of the Fund’s operations, the Fund’s Base Fee computed in accordance with Schedule B will be adjusted, on a monthly basis, upward or downward, as the case may be, by an amount computed by applying the Performance Adjustment Rate to the Average Net Assets of the Fund for the Performance Period and dividing the result by twelve.

Performance Period. The Performance Period is equal to the shorter of (i) the period from the date the Fund commenced operations to the end of the month for which the fee adjustment is being computed or (ii) the thirty-six month period then ended.

Performance Adjustment Rate. The Performance Adjustment Rate is equal to the product of 0.04 multiplied by the difference, positive or negative, obtained by subtracting (i) the sum of the Investment Record of the Benchmark for the Performance Period plus the Hurdle from (ii) the Investment Performance of the Measuring Class for the Performance Period; provided that the Performance Adjustment Rate for the Fund may not exceed the Maximum Performance Adjustment Rate set forth on Schedule B or be less than the Minimum Performance Adjustment Rate set forth on Schedule B.

Investment Performance and Investment Record. These terms are used as defined in Rule 205-1 under the Investment Advisers Act of 1940, as amended, and shall each be computed on an annualized basis for any Performance Period greater than one year.

Hurdle. The Fund’s Hurdle is set forth in Schedule B.

Benchmark. The Fund's initial Benchmark is set forth in Schedule B. If the Trustees determine that another appropriate index of securities prices should be substituted as the Benchmark, the Trustees may determine, with the consent of the Manager, to use such other appropriate index of securities prices for purposes of this Schedule C (the "Replacement Benchmark") without shareholder approval, unless shareholder approval of the change is otherwise required by applicable law. Any Replacement Benchmark will be applied prospectively to determine the amount of the Performance Adjustment. The Benchmark will continue to be used to determine the amount of the Performance Adjustment for that part of the Performance Period prior to the effective date of the Replacement Benchmark.

Measuring Class. The "Measuring Class" of shares of the Fund initially is Class A shares of the Fund. If the Trustees determine that a different class of shares of the Fund is the most appropriate for use in calculating the Performance Adjustment, the Trustees may change, with the consent of the Manager, the class of shares used as the Measuring Class without shareholder approval, unless shareholder approval of such change is otherwise required by applicable law. If a different class of shares ("Replacement Measuring Class") is substituted in calculating the Performance Adjustment, the use of that Replacement Measuring Class of shares for purposes of calculating the Performance Adjustment may apply to the entire Performance Period so long as the Replacement Measuring Class was outstanding at the beginning of such period. If the Replacement Measuring Class of shares was not outstanding for all or a portion of the Performance Period, it may only be used in calculating that portion of the Performance Adjustment attributable to the period during which the Replacement Measuring Class was outstanding and any previous portion of the Performance Period will be calculated using the Measuring Class.

Notwithstanding any other provisions in this Schedule C, the computation of the Performance Adjustment Rate, the Investment Performance of the Measuring Class and the Investment Record of the Benchmark will be made in accordance with the Investment Advisers Act of 1940, as amended, and any applicable rules thereunder.

For the following funds only:

Putnam Managed Municipal Income Trust
Putnam Municipal Opportunities Trust

FORM OF PROPOSED MANAGEMENT CONTRACT

This Management Contract is dated as of February 27, 2014 between [NAME OF FUND], a Massachusetts business trust (the "Fund"), and PUTNAM INVESTMENT MANAGEMENT, LLC, a Delaware limited liability company (the "Manager").

In consideration of the mutual covenants herein contained, it is agreed as follows:

1. SERVICES TO BE RENDERED BY MANAGER TO FUND.

(a) The Manager, at its expense, will furnish continuously an investment program for the Fund or, in the case of a Fund that has divided its shares into two or more series under Section 18(f) (2) of the Investment Company Act of 1940, as amended (the "1940 Act"), each series of the Fund identified from time to time on Schedule A to this Contract (each reference in this Contract to "a Fund" or to "the Fund" is also deemed to be a reference to any existing series of the Fund, as appropriate in the particular context), will determine what investments will be purchased, held, sold or exchanged by the Fund and what portion, if any, of the assets of the Fund will be held uninvested and will, on behalf of the Fund, make changes in such investments. Subject always to the control of the Trustees of the Fund and except for the functions carried out by the officers and personnel referred to in Section 1(d), the Manager will also manage, supervise and conduct the other affairs and business of the Fund and matters incidental thereto. In the performance of its duties, the Manager will comply with the provisions of the Agreement and Declaration of Trust and By-Laws of the Fund and the stated investment objectives, policies and restrictions of the Fund, will use its best efforts to safeguard and promote the welfare of the Fund and to comply with other policies which the Trustees may from time to time determine and will exercise the same care and diligence expected of the Trustees.

(b) The Manager, at its expense, except as such expense is paid by the Fund as provided in Section 1(d), will furnish (1) all necessary investment and management facilities, including salaries of personnel, required for it to execute its duties faithfully; (2) suitable office space for the Fund; and (3) administrative facilities, including bookkeeping, clerical personnel and equipment necessary for the efficient conduct of the affairs of the Fund, including determination of the net asset value of the Fund, but excluding shareholder accounting services. Except as otherwise provided in Section 1(d), the Manager will pay the compensation, if any, of the officers of the Fund.

(c) The Manager, at its expense, will place all orders for the purchase and sale of portfolio investments for the Fund's account with brokers or dealers selected by the Manager. In the selection of such brokers or dealers and the placing of such orders, the Manager will use its best efforts to obtain for the Fund the most favorable price and execution available, except to the extent it may be permitted to pay higher brokerage commissions for brokerage and research services as described below. In using its best efforts to obtain for the Fund the most favorable price and execution available, the Manager, bearing in mind the Fund's best interests at all times, will consider all factors it deems relevant, including by way of illustration, price, the size of the transaction, the nature of the market for the security, the amount of the commission, the timing of the transaction taking into account market prices and trends, the reputation, experience and financial stability of the broker or dealer involved and the quality of service rendered by the broker or dealer in other transactions. Subject to such policies as the Trustees of the Fund

may determine, the Manager will not be deemed to have acted unlawfully or to have breached any duty created by this Contract or otherwise solely by reason of its having caused the Fund to pay a broker or dealer that provides brokerage and research services to the Manager an amount of commission for effecting a portfolio investment transaction in excess of the amount of commission another broker or dealer would have charged for effecting that transaction, if the Manager determines in good faith that such amount of commission was reasonable in relation to the value of the brokerage and research services provided by such broker or dealer, viewed in terms of either that particular transaction or the Manager's overall responsibilities with respect to the Fund and to other clients of the Manager as to which the Manager exercises investment discretion. The Manager agrees that in connection with purchases or sales of portfolio investments for the Fund's account, neither the Manager nor any officer, director, employee or agent of the Manager shall act as a principal or receive any commission other than as provided in Section 3.

(d) The Fund will pay or reimburse the Manager for the compensation in whole or in part of such officers of the Fund and persons assisting them as may be determined from time to time by the Trustees of the Fund. The Fund will also pay or reimburse the Manager for all or part of the cost of suitable office space, utilities, support services and equipment attributable to such officers and persons as may be determined in each case by the Trustees of the Fund. The Fund will pay the fees, if any, of the Trustees of the Fund.

(e) The Manager will not be obligated to pay any expenses of or for the Fund not expressly assumed by the Manager pursuant to this Section 1 other than as provided in Section 3.

(f) Subject to the prior approval of a majority of the Trustees, including a majority of the Trustees who are not "interested persons" and, to the extent required by the 1940 Act and the rules and regulations under the 1940 Act, subject to any applicable guidance or interpretation of the Securities and Exchange Commission or its staff, by the shareholders of the Fund, the Manager may, from time to time, delegate to a sub-adviser or sub-administrator any of the Manager's duties under this Contract, including the management of all or a portion of the assets being managed. In all instances, however, the Manager must oversee the provision of delegated services, the Manager must bear the separate costs of employing any sub-adviser or sub-administrator, and no delegation will relieve the Manager of any of its obligations under this Contract.

2. OTHER AGREEMENTS, ETC.

It is understood that any of the shareholders, Trustees, officers and employees of the Fund may be a shareholder, director, officer or employee of, or be otherwise interested in, the Manager, and in any person controlled by or under common control with the Manager, and that the Manager and any person controlled by or under common control with the Manager

may have an interest in the Fund. It is also understood that the Manager and any person controlled by or under common control with the Manager may have advisory, management, service or other contracts with other organizations and persons and may have other interests and business.

3. COMPENSATION TO BE PAID BY THE FUND TO THE MANAGER.

The Fund will pay to the Manager as compensation for the Manager's services rendered, for the facilities furnished and for the expenses borne by the Manager pursuant to paragraphs (a), (b), and (c) of Section 1, a fee, based on the Fund's Average Net Assets, computed and paid quarterly at the annual rates set forth on Schedule B attached to this Contract, as from time to time amended.

"Average Net Assets" means the average of all of the determinations of the Fund's net asset value during each quarter at the close of business on the last business day of each week, for each week which ends during the quarter. The fee is payable for each quarter within 30 days after the close of the quarter.

In the event that the amount of dividends payable with respect to any outstanding shares of beneficial interest of the Fund with preference rights ("Preferred Shares") during any period for which regular payments of dividends or other distributions on such Preferred Shares are payable (each, a "Dividend Period") plus expenses attributable to such Preferred Shares for such Dividend Period exceeds the portion of the Fund's net income and net short-term capital gains (but not long-term capital gains) accruing during such Dividend Period as a result of the fact that such Preferred Shares were outstanding during such Period, then the fee payable to the Manager pursuant to this Section 3 shall be reduced by the amount of such excess; provided, however, that the amount of such reduction for any such Period shall not exceed the amount determined by multiplying (i) the aggregate liquidation preference of the average number of Preferred Shares outstanding during the Period by (ii) the percentage of the aggregate net asset value of the Fund which the fee payable to the Manager during such Period pursuant to this Section 3 would constitute without giving effect to such reduction. The amount of such reduction attributable to any Dividend Period shall reduce the amount of the next quarterly payment of the fee payable pursuant to this Section 3 following the end of such Dividend Period, and of any subsequent quarterly or more frequent payments, as may be necessary. The expenses attributable to the Preferred Shares and the portion of the Fund's net income and net short-term capital gains accruing during any Dividend Period as a result of the fact that Preferred Shares were outstanding during such Period shall be determined by the Trustees of the Fund.

The fees payable by the Fund to the Manager pursuant to this Section 3 will be reduced by any commissions, fees, brokerage or similar payments received by the Manager or any affiliated person of the Manager in connection with the purchase and sale

of portfolio investments of the Fund, less any direct expenses approved by the Trustees incurred by the Manager or any affiliated person of the Manager in connection with obtaining such payments.

In the event that expenses of the Fund for any fiscal year exceed the expense limitation on investment company expenses imposed by any statute or regulatory authority of any jurisdiction in which shares of the Fund are qualified for offer or sale, the compensation due the Manager for such fiscal year will be reduced by the amount of excess by a reduction or refund thereof. In the event that the expenses of the Fund exceed any expense limitation which the Manager may, by written notice to the Fund, voluntarily declare to be effective subject to such terms and conditions as the Manager may prescribe in such notice, the compensation due the Manager will be reduced, and if necessary, the Manager will assume expenses of the Fund, to the extent required by the terms and conditions of such expense limitation.

If the Manager serves for less than the whole of a quarter, the foregoing compensation will be prorated.

4. ASSIGNMENT TERMINATES THIS CONTRACT; AMENDMENTS OF THIS CONTRACT.

This Contract will automatically terminate, without the payment of any penalty, in the event of its assignment, provided that no delegation of responsibilities by the Manager pursuant to Section 1(f) will be deemed to constitute an assignment. No provision of this Contract may be changed, waived, discharged or terminated orally, but only by an instrument in writing signed by the party against which enforcement of the change, waiver, discharge or termination is sought. No amendment of this Contract is effective until approved in a manner consistent with the 1940 Act, the rules and regulations under the 1940 Act and any applicable guidance or interpretation of the Securities and Exchange Commission or its staff.

5. EFFECTIVE PERIOD AND TERMINATION OF THIS CONTRACT.

This Contract is effective upon its execution and will remain in full force and effect as to a Fund continuously thereafter (unless terminated automatically as set forth in Section 4 or terminated in accordance with the following paragraph) through June 30, 2014, and will continue in effect from year to year thereafter so long as its continuance is approved at least annually by (i) the Trustees, or the shareholders by the affirmative vote of a majority of the outstanding shares of the respective Fund, and (ii) a majority of the Trustees who are not interested persons of the Fund or of the Manager, by vote cast in person at a meeting called for the purpose of voting on such approval.

Either party hereto may at any time terminate this Contract as to a Fund by not less than 60 days' written notice delivered or mailed by registered mail, postage prepaid, to the other party. Action with respect to a Fund may be taken either (i) by vote of a majority of the Trustees or (ii) by the affirmative vote of a majority of the outstanding shares of the respective Fund.

Termination of this Contract pursuant to this Section 5 will be without the payment of any penalty.

6. CERTAIN DEFINITIONS.

For the purposes of this Contract, the "affirmative vote of a majority of the outstanding shares" of a Fund means the affirmative vote, at a duly called and held meeting of shareholders of the respective Fund, (a) of the holders of 67% or more of the shares of the Fund present (in person or by proxy) and entitled to vote at the meeting, if the holders of more than 50% of the outstanding shares of the Fund entitled to vote at the meeting are present in person or by proxy or (b) of the holders of more than 50% of the outstanding shares of the Fund entitled to vote at the meeting, whichever is less.

For the purposes of this Contract, the terms "affiliated person," "control," "interested person" and "assignment" have their respective meanings defined in the 1940 Act, subject, however, to the rules and regulations under the 1940 Act and any applicable guidance or interpretation of the Securities and Exchange Commission or its staff; the term "approve at least annually" will be construed in a manner consistent with the 1940 Act and the rules and regulations under the 1940 Act and any applicable guidance or interpretation of the Securities and Exchange Commission or its staff; and the term "brokerage and research services" has the meaning given in the Securities Exchange Act of 1934 and the rules and regulations under the Securities Exchange Act of 1934 and under any applicable guidance or interpretation of the Securities and Exchange Commission or its staff.

7. NON-LIABILITY OF MANAGER.

In the absence of willful misfeasance, bad faith or gross negligence on the part of the Manager, or reckless disregard of its obligations and duties hereunder, the Manager shall not be subject to any liability to the Fund or to any shareholder of the Fund for any act or omission in the course of, or connected with, rendering services hereunder.

8. LIMITATION OF LIABILITY OF THE TRUSTEES, OFFICERS, AND SHAREHOLDERS.

A copy of the Agreement and Declaration of Trust of the Fund is on file with the Secretary of The Commonwealth of Massachusetts, and notice is hereby given that this instrument is executed on behalf of the Trustees of the Fund as Trustees and not individually and that the obligations of or arising out of this instrument are not binding upon any of the Trustees, officers or shareholders individually but are binding only upon the assets and property of the respective Fund.

IN WITNESS WHEREOF, [NAME OF FUND] and PUTNAM INVESTMENT MANAGEMENT, LLC have each caused this instrument to be signed on its behalf by its President or a Vice President thereunto duly authorized, all as of the day and year first above written.

[NAME OF FUND]

By: _____

PUTNAM INVESTMENT MANAGEMENT, LLC

By: _____

Schedule A

[LIST OF FUNDS]

Schedule B

[FEE SCHEDULE: See **Appendix D** to this proxy statement for each fund's detailed fee information. The management fee for each fund under the proposed new management contract is identical to that for each fund under the fund's previous management contract.]

For the following funds only:

Putnam High Income Securities Fund

Putnam Master Intermediate Income Trust

Putnam Premier Income Trust

FORM OF PROPOSED MANAGEMENT CONTRACT

This Management Contract is dated as of February 27, 2014 between [NAME OF FUND], a Massachusetts business trust (the "Fund"), and PUTNAM INVESTMENT MANAGEMENT, LLC, a Delaware limited liability company (the "Manager").

In consideration of the mutual covenants herein contained, it is agreed as follows:

1. SERVICES TO BE RENDERED BY MANAGER TO FUND.

(a) The Manager, at its expense, will furnish continuously an investment program for the Fund or, in the case of a Fund that has divided its shares into two or more series under Section 18(f) (2) of the Investment Company Act of 1940, as amended (the "1940 Act"), each series of the Fund identified from time to time on Schedule A to this Contract (each reference in this Contract to "a Fund" or to "the Fund" is also deemed to be a reference to any existing series of the Fund, as appropriate in the particular context), will determine what investments will be purchased, held, sold or exchanged by the Fund and what portion, if any, of the assets of the Fund will be held uninvested and will, on behalf of the Fund, make changes in such investments. Subject always to the control of the Trustees of the Fund and except for the functions carried out by the officers and personnel referred to in Section 1(d), the Manager will also manage, supervise and

conduct the other affairs and business of the Fund and matters incidental thereto. In the performance of its duties, the Manager will comply with the provisions of the Agreement and Declaration of Trust and By-Laws of the Fund and the stated investment objectives, policies and restrictions of the Fund, will use its best efforts to safeguard and promote the welfare of the Fund and to comply with other policies which the Trustees may from time to time determine and will exercise the same care and diligence expected of the Trustees.

(b) The Manager, at its expense, except as such expense is paid by the Fund as provided in Section 1(d), will furnish (1) all necessary investment and management facilities, including salaries of personnel, required for it to execute its duties faithfully; (2) suitable office space for the Fund; and (3) administrative facilities, including bookkeeping, clerical personnel and equipment necessary for the efficient conduct of the affairs of the Fund, including determination of the net asset value of the Fund, but excluding shareholder accounting services. Except as otherwise provided in Section 1(d), the Manager will pay the compensation, if any, of the officers of the Fund.

(c) The Manager, at its expense, will place all orders for the purchase and sale of portfolio investments for the Fund's account with brokers or dealers selected by the Manager. In the selection of such brokers or dealers and the placing of such orders, the Manager will use its best efforts to obtain for the Fund the most favorable price and execution available, except to the extent it may be permitted to pay higher brokerage commissions for brokerage and research services as described below. In using its best efforts to obtain for the Fund the most favorable price and execution available, the Manager, bearing in mind the Fund's best interests at all times, will consider all factors it deems relevant, including by way of illustration, price, the size of the transaction, the nature of the market for the security, the amount of the commission, the timing of the transaction taking into account market prices and trends, the reputation, experience and financial stability of the broker or dealer involved and the quality of service rendered by the broker or dealer in other transactions. Subject to such policies as the Trustees of the Fund may determine, the Manager will not be deemed to have acted unlawfully or to have breached any duty created by this Contract or otherwise solely by reason of its having caused the Fund to pay a broker or dealer that provides brokerage and research services to the Manager an amount of commission for effecting a portfolio investment transaction in excess of the amount of commission another broker or dealer would have charged for effecting that transaction, if the Manager determines in good faith that such amount of commission was reasonable in relation to the value of the brokerage and research services provided by such broker or dealer, viewed in terms of either that particular transaction or the Manager's overall responsibilities with respect to the Fund and to other clients of the Manager as to which the Manager exercises investment discretion. The Manager agrees that in connection

with purchases or sales of portfolio investments for the Fund's account, neither the Manager nor any officer, director, employee or agent of the Manager shall act as a principal or receive any commission other than as provided in Section 3.

(d) The Fund will pay or reimburse the Manager for the compensation in whole or in part of such officers of the Fund and persons assisting them as may be determined from time to time by the Trustees of the Fund. The Fund will also pay or reimburse the Manager for all or part of the cost of suitable office space, utilities, support services and equipment attributable to such officers and persons as may be determined in each case by the Trustees of the Fund. The Fund will pay the fees, if any, of the Trustees of the Fund.

(e) The Manager will not be obligated to pay any expenses of or for the Fund not expressly assumed by the Manager pursuant to this Section 1 other than as provided in Section 3.

(f) Subject to the prior approval of a majority of the Trustees, including a majority of the Trustees who are not "interested persons" and, to the extent required by the 1940 Act and the rules and regulations under the 1940 Act, subject to any applicable guidance or interpretation of the Securities and Exchange Commission or its staff, by the shareholders of the Fund, the Manager may, from time to time, delegate to a sub-adviser or sub-administrator any of the Manager's duties under this Contract, including the management of all or a portion of the assets being managed. In all instances, however, the Manager must oversee the provision of delegated services, the Manager must bear the separate costs of employing any sub-adviser or sub-administrator, and no delegation will relieve the Manager of any of its obligations under this Contract.

2. OTHER AGREEMENTS, ETC.

It is understood that any of the shareholders, Trustees, officers and employees of the Fund may be a shareholder, director, officer or employee of, or be otherwise interested in, the Manager, and in any person controlled by or under common control with the Manager, and that the Manager and any person controlled by or under common control with the Manager may have an interest in the Fund. It is also understood that the Manager and any person controlled by or under common control with the Manager may have advisory, management, service or other contracts with other organizations and persons and may have other interests and business.

3. COMPENSATION TO BE PAID BY THE FUND TO THE MANAGER.

The Fund will pay to the Manager as compensation for the Manager's services rendered, for the facilities furnished and for the expenses borne by the Manager pursuant to paragraphs (a), (b), and (c) of Section 1, a fee, based on the Fund's Average Net Assets, computed and paid quarterly at the annual rates set forth on Schedule B attached to this Contract, as from time to time amended.

"Average Net Assets" means the average of the weekly determinations of the difference between the total assets of the Fund (including any assets attributable to leverage for investment purposes) and the total liabilities of the Fund (excluding liabilities incurred in connection with leverage for investment purposes), determined at the close of the last business day of each week, for each week which ends during the quarter. The fee is payable for each quarter within 30 days after the close of the quarter. As used in this Section 3, "leverage for investment purposes" means any incurrence of indebtedness the proceeds of which are to be invested in accordance with the Fund's investment objective. For purposes of calculating Average Net Assets, liabilities associated with any instruments or transactions used to leverage the Fund's portfolio for investment purposes (whether or not such instruments or transactions are "covered" within the meaning of the 1940 Act and the rules and regulations thereunder, giving effect to any interpretations of the Securities and Exchange Commission and its staff) are not considered liabilities. For purposes of calculating Average Net Assets, the total assets of the Fund will be deemed to include (a) any proceeds from the sale or transfer of an asset (the "Underlying Asset") of the Fund to a counterparty in a reverse repurchase or dollar roll transaction and (b) the value of such Underlying Asset as of the relevant measuring date.

In the event that, during any period for which payments of interest or fees (whether designated as such or implied) are payable in connection with any indebtedness or other obligation of the Fund incurred for investment purposes (a "Measurement Period"), the amount of interest payments and fees with respect to such indebtedness or other obligation, plus additional expenses attributable to any such leverage for investment purposes for such Measurement Period, exceeds the portion of the Fund's net income and net short-term capital gains (but not long-term capital gains) accruing during such Measurement Period as a result of the fact that such indebtedness or other obligation was outstanding during the Measurement Period, then the fee payable to the Manager pursuant to this Section 3 shall be reduced by the amount of such excess; provided, however, that the amount of such reduction for any such Period shall not exceed the amount determined by multiplying (i) the aggregate value of all assets representing leverage for investment purposes by (ii) the percentage of the Average Net Assets of the Fund which the fee payable to the Manager during such Measurement Period pursuant to this Section 3 would constitute without giving effect to such reduction. The amount of such reduction attributable to any Measurement Period shall reduce the amount of the next quarterly payment of the fee payable pursuant to this Section 3 following the end of such Measurement Period, and of any subsequent quarterly or more frequent payments, as may be necessary. The expenses attributable to leverage for investment purposes and the portion of the Fund's net income and net short-term capital gains accruing during any Measurement Period as a result of the fact that leverage for investment purposes was outstanding

during such Measurement Period shall be determined by the Trustees of the Fund.

The fees payable by the Fund to the Manager pursuant to this Section 3 will be reduced by any commissions, fees, brokerage or similar payments received by the Manager or any affiliated person of the Manager in connection with the purchase and sale of portfolio investments of the Fund, less any direct expenses approved by the Trustees incurred by the Manager or any affiliated person of the Manager in connection with obtaining such payments.

In the event that expenses of the Fund for any fiscal year exceed the expense limitation on investment company expenses imposed by any statute or regulatory authority of any jurisdiction in which shares of the Fund are qualified for offer or sale, the compensation due the Manager for such fiscal year will be reduced by the amount of excess by a reduction or refund thereof. In the event that the expenses of the Fund exceed any expense limitation which the Manager may, by written notice to the Fund, voluntarily declare to be effective subject to such terms and conditions as the Manager may prescribe in such notice, the compensation due the Manager will be reduced, and if necessary, the Manager will assume expenses of the Fund, to the extent required by the terms and conditions of such expense limitation.

If the Manager serves for less than the whole of a quarter, the foregoing compensation will be prorated.

4. ASSIGNMENT TERMINATES THIS CONTRACT; AMENDMENTS OF THIS CONTRACT.

This Contract will automatically terminate, without the payment of any penalty, in the event of its assignment, provided that no delegation of responsibilities by the Manager pursuant to Section 1(f) will be deemed to constitute an assignment. No provision of this Contract may be changed, waived, discharged or terminated orally, but only by an instrument in writing signed by the party against which enforcement of the change, waiver, discharge or termination is sought. No amendment of this Contract is effective until approved in a manner consistent with the 1940 Act, the rules and regulations under the 1940 Act and any applicable guidance or interpretation of the Securities and Exchange Commission or its staff.

5. EFFECTIVE PERIOD AND TERMINATION OF THIS CONTRACT.

This Contract is effective upon its execution and will remain in full force and effect as to a Fund continuously thereafter (unless terminated automatically as set forth in Section 4 or terminated in accordance with the following paragraph) through June 30, 2014, and will continue in effect from year to year thereafter so long as its continuance is approved at least annually by (i) the Trustees, or the shareholders by the affirmative vote of a majority of the outstanding shares of the respective Fund, and (ii) a majority of the Trustees who are not interested persons of the Fund or of the Manager, by vote cast in person at a meeting called for the purpose of voting on such approval.

Either party hereto may at any time terminate this Contract as to a Fund by not less than 60 days' written notice delivered or mailed by registered mail, postage prepaid, to the other party. Action with respect to a Fund may be taken either (i) by vote of a majority of the Trustees or (ii) by the affirmative vote of a majority of the outstanding shares of the respective Fund.

Termination of this Contract pursuant to this Section 5 will be without the payment of any penalty.

6. CERTAIN DEFINITIONS.

For the purposes of this Contract, the "affirmative vote of a majority of the outstanding shares" of a Fund means the affirmative vote, at a duly called and held meeting of shareholders of the respective Fund, (a) of the holders of 67% or more of the shares of the Fund present (in person or by proxy) and entitled to vote at the meeting, if the holders of more than 50% of the outstanding shares of the Fund entitled to vote at the meeting are present in person or by proxy or (b) of the holders of more than 50% of the outstanding shares of the Fund entitled to vote at the meeting, whichever is less.

For the purposes of this Contract, the terms "affiliated person," "control," "interested person" and "assignment" have their respective meanings defined in the 1940 Act, subject, however, to the rules and regulations under the 1940 Act and any applicable guidance or interpretation of the Securities and Exchange Commission or its staff; the term "approve at least annually" will be construed in a manner consistent with the 1940 Act and the rules and regulations under the 1940 Act and any applicable guidance or interpretation of the Securities and Exchange Commission or its staff; and the term "brokerage and research services" has the meaning given in the Securities Exchange Act of 1934 and the rules and regulations under the Securities Exchange Act of 1934 and under any applicable guidance or interpretation of the Securities and Exchange Commission or its staff.

7. NON-LIABILITY OF MANAGER.

In the absence of willful misfeasance, bad faith or gross negligence on the part of the Manager, or reckless disregard of its obligations and duties hereunder, the Manager shall not be subject to any liability to the Fund or to any shareholder of the Fund for any act or omission in the course of, or connected with, rendering services hereunder.

8. LIMITATION OF LIABILITY OF THE TRUSTEES, OFFICERS, AND SHAREHOLDERS.

A copy of the Agreement and Declaration of Trust of the Fund is on file with the Secretary of The Commonwealth of Massachusetts, and notice is hereby given that this instrument is executed on behalf of the Trustees of the Fund as Trustees and not individually and that the obligations of or arising out of this instrument are not binding upon any of the Trustees, officers or shareholders individually but are binding only upon the assets and property of the respective Fund.

IN WITNESS WHEREOF, [NAME OF FUND] and PUTNAM INVESTMENT MANAGEMENT, LLC have each caused this instrument to be signed on its behalf by its President or a Vice President thereunto duly authorized, all as of the day and year first above written.

[NAME OF FUND]

By: _____

PUTNAM INVESTMENT MANAGEMENT, LLC

By: _____

Schedule A

[LIST OF FUNDS]

Schedule B

[FEE SCHEDULE: See **Appendix D** to this proxy statement for each fund’s detailed fee information. The management fee for each fund under the proposed new management contract is identical to that for each fund under the fund’s previous management contract.]

Appendix C — Management Contracts: Dates and Approvals

Under the management contract between your fund and Putnam Management, subject to such policies as the Trustees may determine, Putnam Management, at its expense, furnishes continuously an investment program for the fund and makes investments decisions on behalf of the fund. Except for the funds included in the table below, the current management contract for your fund is dated January 1, 2010 and was last approved by shareholders on November 19, 2009. At that time, shareholders of the fund voted to approve the current management contract to include fund family breakpoints (under which the fund's base management fee rate is determined on the basis of the aggregate net assets of all Putnam mutual funds, rather than

the fund's net assets). Shareholders of Putnam Europe Equity Fund, Putnam Global Equity Fund, Putnam Growth Opportunities Fund, Putnam International Capital Opportunities Fund, Putnam International Equity Fund and Putnam Voyager Fund, as well as certain funds listed below, also approved the institution of performance fees under the funds' respective management contracts. The management contract has not been submitted for approval by the shareholders of your fund since that date.

The following table contains information regarding the date of each remaining fund's current management contract, the date on which it was last approved by shareholders and the purpose for that submission.

Fund	Date of Current Management Contract	Date Current Management Contract Last Submitted to Shareholder Vote	Purpose of Last Submission of Current Management Contract to Shareholder Vote
Putnam Absolute Return 100 Fund	July 1, 2013	December 18, 2009	Fee structure change
Putnam Absolute Return 300 Fund	July 1, 2013	December 18, 2009	Fee structure change
Putnam Absolute Return 500 Fund	July 1, 2013	December 18, 2009	Fee structure change
Putnam Absolute Return 700 Fund	July 1, 2013	January 15, 2010	Fee structure change
Putnam Asia Pacific Equity Fund	July 1, 2013	May 26, 2011	New performance index to calculate performance fees
Putnam Capital Opportunities Fund	September 1, 2010	November 19, 2009	Fee structure change
Putnam Capital Spectrum Fund	July 1, 2013	November 19, 2009	Fee structure change
Putnam Dynamic Asset Allocation Equity Fund	July 1, 2013	November 19, 2009	Fee structure change
Putnam Dynamic Risk Allocation Fund	July 1, 2013	September 9, 2011	Organization of the fund
Putnam Emerging Markets Equity Fund	July 1, 2013	November 19, 2009	Fee structure change and institution of performance fees
Putnam Emerging Markets Income Fund	July 1, 2013	March 18, 2013	Organization of the fund
Putnam Equity Spectrum Fund	July 1, 2013	November 19, 2009	Fee structure change
Putnam Floating Rate Income Fund	July 1, 2013	November 19, 2009	Fee structure change
Putnam Global Consumer Fund	July 1, 2013	November 19, 2009	Fee structure change
Putnam Global Dividend Fund	July 1, 2013	March 18, 2013	Organization of the fund
Putnam Global Energy Fund	July 1, 2013	November 19, 2009	Fee structure change
Putnam Global Financials Fund	July 1, 2013	November 19, 2009	Fee structure change
Putnam Global Industrials Fund	July 1, 2013	November 19, 2009	Fee structure change
Putnam Global Sector Fund	July 1, 2013	December 14, 2009	Organization of the fund
Putnam Global Technology Fund	July 1, 2013	November 19, 2009	Fee structure change
Putnam Global Telecommunications Fund	July 1, 2013	November 19, 2009	Fee structure change
Putnam High Income Securities Fund	August 3, 2007	May 15, 2007	Approval of new management contract following change of control of Putnam Management
Putnam Intermediate-Term Municipal Income Fund	July 1, 2013	March 18, 2013	Organization of the fund
Putnam International Value Fund	July 1, 2013	May 26, 2011	New performance index to calculate performance fees
Putnam Low Volatility Equity Fund	July 1, 2013	March 18, 2013	Organization of the fund
Putnam Managed Municipal Income Trust	August 3, 2007	May 15, 2007	Approval of new management contract following change of control of Putnam Management
Putnam Master Intermediate Income Trust	August 3, 2007	May 15, 2007	Approval of new management contract following change of control of Putnam Management
Putnam Money Market Liquidity Fund	July 1, 2013	April 13, 2009	Organization of the fund
Putnam Multi-Cap Core Fund	July 1, 2013	September 24, 2010	Organization of the fund
Putnam Multi-Cap Growth Fund	February 1, 2010	January 15, 2010	Fee structure change and institution of performance fees
Putnam Multi-Cap Value Fund	September 1, 2010	November 19, 2009	Fee structure change
Putnam Municipal Opportunities Trust	August 3, 2007	May 15, 2007	Approval of new management contract following change of control of Putnam Management
Putnam Premier Income Trust	August 3, 2007	May 15, 2007	Approval of new management contract following change of control of Putnam Management
Putnam Research Fund	September 1, 2010	November 19, 2009	Fee structure change

Fund	Date of Current Management Contract	Date Current Management Contract Last Submitted to Shareholder Vote	Purpose of Last Submission of Current Management Contract to Shareholder Vote
Putnam RetirementReady 2055 Fund	November 30, 2010	November 30, 2010	Organization of fund
Putnam RetirementReady 2050 Fund	August 1, 2009	May 15, 2007	Approval of new management contract following change of control of Putnam Management
Putnam RetirementReady 2045 Fund	August 1, 2009	May 15, 2007	Approval of new management contract following change of control of Putnam Management
Putnam RetirementReady 2040 Fund	August 1, 2009	May 15, 2007	Approval of new management contract following change of control of Putnam Management
Putnam RetirementReady 2035 Fund	August 1, 2009	May 15, 2007	Approval of new management contract following change of control of Putnam Management
Putnam RetirementReady 2030 Fund	August 1, 2009	May 15, 2007	Approval of new management contract following change of control of Putnam Management
Putnam RetirementReady 2025 Fund	August 1, 2009	May 15, 2007	Approval of new management contract following change of control of Putnam Management
Putnam RetirementReady 2020 Fund	August 1, 2009	May 15, 2007	Approval of new management contract following change of control of Putnam Management
Putnam RetirementReady 2015 Fund	August 1, 2009	May 15, 2007	Approval of new management contract following change of control of Putnam Management
Putnam Retirement Income Fund Lifestyle 1	August 1, 2009	May 15, 2007	Approval of new management contract following change of control of Putnam Management
Putnam Retirement Income Fund Lifestyle 2	July 1, 2013	June 6, 2011	Organization of the fund
Putnam Retirement Income Fund Lifestyle 3	July 1, 2013	November 19, 2009	Fee structure change
Putnam Short Duration Income Fund	July 1, 2013	June 17, 2011	Organization of the fund
Putnam Short Term Investment Fund	July 1, 2013	November 9, 2012	Organization of the fund
Putnam Short-Term Municipal Income Fund	July 1, 2013	March 18, 2013	Organization of the fund
Putnam Small Cap Growth Fund	July 1, 2013	November 19, 2009	Fee structure change and institution of performance fees
Putnam Small Cap Value Fund	September 1, 2010	November 19, 2009	Fee structure change
Putnam Strategic Volatility Equity Fund	July 1, 2013	March 18, 2013	Organization of the fund
Putnam VT Absolute Return 500 Fund	January 1, 2010	February 4, 2011	Organization of the fund

Appendix D — Management Contract Fees and Information About Similar Funds Advised by Putnam Management

The following table contains certain information regarding funds for which Putnam Management provides investment advisory services, including the Putnam funds and funds that are not in the Putnam family of mutual funds, and that may have similar investment objective and policies to your fund. Pursuant to the applicable management contract, most of the open-end Putnam funds pay a management fee to Putnam Management according to a rate that is based on the average of the aggregate net assets of all open-end funds sponsored by Putnam Management (excluding fund assets that are invested in other Putnam funds (“Total Open-End Mutual Fund Average Net Assets”), as set forth below. Putnam Global Sector Fund and the Putnam RetirementReady Funds (including Putnam Retirement Income Fund Lifestyle 1) pay no management fee to Putnam Management, but Putnam Management receives management fees from the underlying Putnam funds in which each such fund invests. Each of Putnam Absolute Return 100 Fund, Putnam Absolute Return 300 Fund, Putnam High Income Securities Fund, Putnam Managed Municipal Income Trust, Putnam Master Intermediate Income Trust, Putnam Money Market Liquidity Fund, Putnam Municipal Opportunities Trust, Putnam Premier Income Trust, and Putnam Short Term Investment Fund pay a management fee to Putnam Management according to a rate that is based on the average of the net assets of the fund. The management fee for certain of the Putnam funds is increased or decreased by a performance adjustment as set forth below.

Fund	Net Assets as of FYE ¹	Current Management Fee Schedule	Amount of Management Fee Paid in the Most Recent Fiscal Year (after applicable waivers, performance adjustments and reimbursements, if any)(\$)	Has compensation been waived, reduced or otherwise agreed to be reduced under any applicable contract?	Current Investment Objective
PUTNAM ABSOLUTE RETURN 100 FUND	\$276,839,232	of Average Net Assets 0.40% Benchmark: BofA Merrill Lynch U.S. Treasury Bill Index (GOBA) Hurdle: 1.00% Maximum Performance Adjustment Rate: 0.04% Minimum Performance Adjustment Rate: -0.04%	\$493,980 (Represents 0.15% of average net assets)	Yes	To earn a positive total return that exceeds the rate of inflation by 1% over a reasonable period of time, regardless of market conditions.
PUTNAM ABSOLUTE RETURN 300 FUND	\$959,104,124	of Average Net Assets 0.60% Benchmark: BofA Merrill Lynch U.S. Treasury Bill Index (GOBA) Hurdle: 3.00% Maximum Performance Adjustment Rate: 0.12% Minimum Performance Adjustment Rate: -0.12%	\$4,354,861 (Represents 0.37% of average net assets)	Yes	To earn a positive total return that exceeds the rate of inflation by 3% over a reasonable period of time, regardless of market conditions.

Fund	Net Assets as of FYE ¹	Current Management Fee Schedule		Amount of Management Fee Paid in the Most Recent Fiscal Year (after applicable waivers, performance adjustments and reimbursements, if any)(\$)	Has compensation been waived, reduced or otherwise agreed to be reduced under any applicable contract?	Current Investment Objective
PUTNAM ABSOLUTE RETURN 500 FUND	\$828,585,249	First \$5 billion of Total Open-End Mutual Fund Average Net Assets	0.880%	\$5,233,405 (Represents 0.64% of average net assets)	Yes	To earn a positive total return that exceeds the rate of inflation by 5% over a reasonable period of time, regardless of market conditions.
		Next \$5 billion	0.830%			
		Next \$10 billion	0.780%			
		Next \$10 billion	0.730%			
		Next \$50 billion	0.680%			
		Next \$50 billion	0.660%			
		Next \$100 billion	0.650%			
		Any excess thereafter	0.645%			
		Benchmark: BofA Merrill Lynch U.S. Treasury Bill Index (GOBA)				
		Hurdle:	5.00%			
		Maximum Performance Adjustment Rate:	0.20%			
		Minimum Performance Adjustment Rate:	-0.20%			
PUTNAM ABSOLUTE RETURN 700 FUND	\$784,720,210	First \$5 billion of Total Open-End Mutual Fund Average Net Assets	1.030%	\$5,796,253 (Represents 0.81% of average net assets)	Yes	To earn a positive total return that exceeds the rate of inflation by 7% over a reasonable period of time, regardless of market conditions.
		Next \$5 billion	0.980%			
		Next \$10 billion	0.930%			
		Next \$10 billion	0.880%			
		Next \$50 billion	0.830%			
		Next \$50 billion	0.810%			
		Next \$100 billion	0.800%			
		Any excess thereafter	0.795%			
		Benchmark: BofA Merrill Lynch U.S. Treasury Bill Index (GOBA)				
		Hurdle:	7.00%			
		Maximum Performance Adjustment Rate:	0.28%			
		Minimum Performance Adjustment Rate:	-0.28%			
PUTNAM AMERICAN GOVERNMENT INCOME FUND	\$577,015,363	First \$5 billion of Total Open-End Mutual Fund Average Net Assets	0.550%	\$2,665,472 (Represents 0.40% of average net assets)	Yes	High current income with preservation of capital as its secondary objective.
		Next \$5 billion	0.500%			
		Next \$10 billion	0.450%			
		Next \$10 billion	0.400%			
		Next \$50 billion	0.350%			
		Next \$50 billion	0.330%			
		Next \$100 billion	0.320%			
		Any excess thereafter	0.315%			

Fund	Net Assets as of FYE ¹	Current Management Fee Schedule		Amount of Management Fee Paid in the Most Recent Fiscal Year (after applicable waivers, performance adjustments and reimbursements, if any)(\$)	Has compensation been waived, reduced or otherwise agreed to be reduced under any applicable contract?	Current Investment Objective
PUTNAM AMT-FREE MUNICIPAL FUND	\$429,096,255	First \$5 billion of Total Open-End Mutual Fund Average Net Assets	0.590%	\$2,217,779 (Represents 0.44% of average net assets)	Yes	High current income exempt from federal income tax.
		Next \$5 billion	0.540%			
		Next \$10 billion	0.490%			
		Next \$10 billion	0.440%			
		Next \$50 billion	0.390%			
		Next \$50 billion	0.370%			
		Next \$100 billion	0.360%			
		Any excess thereafter	0.355%			
PUTNAM ARIZONA TAX EXEMPT INCOME FUND	\$63,765,877	First \$5 billion of Total Open-End Mutual Fund Average Net Assets	0.590%	\$283,378 (Represents 0.44% of average net assets)	Yes	As high a level of current income exempt from federal income tax and Arizona person income tax as Putnam Management believes is consistent with preservation of capital.
		Next \$5 billion	0.540%			
		Next \$10 billion	0.490%			
		Next \$10 billion	0.440%			
		Next \$50 billion	0.390%			
		Next \$50 billion	0.370%			
		Next \$100 billion	0.360%			
		Any excess thereafter	0.355%			
PUTNAM ASIA PACIFIC EQUITY FUND	\$9,047,678	First \$5 billion of Total Open-End Mutual Fund Average Net Assets	1.080%	\$0 (Represents 0.00% of average net assets)	Yes	Long-term capital appreciation.
		Next \$5 billion	1.030%			
		Next \$10 billion	0.980%			
		Next \$10 billion	0.930%			
		Next \$50 billion	0.880%			
		Next \$50 billion	0.860%			
		Next \$100 billion	0.850%			
		Any excess thereafter	0.845%			
		Benchmark: MSCI All Country ex-Japan Index and MSCI All Country Asia Pacific Index (Net Dividends)**				
		Hurdle: N/A				
		Maximum Performance Adjustment Rate: 0.21%				
		Minimum Performance Adjustment Rate: -0.21%				
PUTNAM CALIFORNIA TAX EXEMPT INCOME FUND	\$1,450,023,315	First \$5 billion of Total Open-End Mutual Fund Average Net Assets	0.590%	\$7,293,763 (Represents 0.44% of average net assets)	Yes	As high a level of current income exempt from federal income tax and California person income tax as Putnam Management believes is consistent with preservation of capital.
		Next \$5 billion	0.540%			
		Next \$10 billion	0.490%			
		Next \$10 billion	0.440%			
		Next \$50 billion	0.390%			
		Next \$50 billion	0.370%			
		Next \$100 billion	0.360%			
		Any excess thereafter	0.355%			

Fund	Net Assets as of FYE ¹	Current Management Fee Schedule	Amount of Management Fee Paid in the Most Recent Fiscal Year (after applicable waivers, performance adjustments and reimbursements, if any)(\$)	Has compensation been waived, reduced or otherwise agreed to be reduced under any applicable contract?	Current Investment Objective																
PUTNAM CAPITAL OPPORTUNITIES FUND	\$384,612,337	<table border="0"> <tr> <td>First \$5 billion of Total Open-End Mutual Fund Average Net Assets</td> <td>0.780%</td> </tr> <tr> <td>Next \$5 billion</td> <td>0.730%</td> </tr> <tr> <td>Next \$10 billion</td> <td>0.680%</td> </tr> <tr> <td>Next \$10 billion</td> <td>0.630%</td> </tr> <tr> <td>Next \$50 billion</td> <td>0.580%</td> </tr> <tr> <td>Next \$50 billion</td> <td>0.560%</td> </tr> <tr> <td>Next \$100 billion</td> <td>0.550%</td> </tr> <tr> <td>Any excess thereafter</td> <td>0.545%</td> </tr> </table>	First \$5 billion of Total Open-End Mutual Fund Average Net Assets	0.780%	Next \$5 billion	0.730%	Next \$10 billion	0.680%	Next \$10 billion	0.630%	Next \$50 billion	0.580%	Next \$50 billion	0.560%	Next \$100 billion	0.550%	Any excess thereafter	0.545%	\$2,219,656 (Represents 0.63% of average net assets)	Yes	Long-term growth of capital.
First \$5 billion of Total Open-End Mutual Fund Average Net Assets	0.780%																				
Next \$5 billion	0.730%																				
Next \$10 billion	0.680%																				
Next \$10 billion	0.630%																				
Next \$50 billion	0.580%																				
Next \$50 billion	0.560%																				
Next \$100 billion	0.550%																				
Any excess thereafter	0.545%																				
PUTNAM CAPITAL SPECTRUM FUND	\$2,632,636,619	<table border="0"> <tr> <td>First \$5 billion of Total Open-End Mutual Fund Average Net Assets</td> <td>0.880%</td> </tr> <tr> <td>Next \$5 billion</td> <td>0.830%</td> </tr> <tr> <td>Next \$10 billion</td> <td>0.780%</td> </tr> <tr> <td>Next \$10 billion</td> <td>0.730%</td> </tr> <tr> <td>Next \$50 billion</td> <td>0.680%</td> </tr> <tr> <td>Next \$50 billion</td> <td>0.660%</td> </tr> <tr> <td>Next \$100 billion</td> <td>0.650%</td> </tr> <tr> <td>Any excess thereafter</td> <td>0.645%</td> </tr> </table> <p>Benchmark: 50/50 blend (balanced daily) of S&P 500 Index and JP Morgan Developed High Yield Index</p> <p>Hurdle: N/A</p> <p>Maximum Performance Adjustment Rate: 0.32%</p> <p>Minimum Performance Adjustment Rate: -0.32%</p>	First \$5 billion of Total Open-End Mutual Fund Average Net Assets	0.880%	Next \$5 billion	0.830%	Next \$10 billion	0.780%	Next \$10 billion	0.730%	Next \$50 billion	0.680%	Next \$50 billion	0.660%	Next \$100 billion	0.650%	Any excess thereafter	0.645%	\$13,364,984 (Represents 0.81% of average net assets)	Yes	Total return.
First \$5 billion of Total Open-End Mutual Fund Average Net Assets	0.880%																				
Next \$5 billion	0.830%																				
Next \$10 billion	0.780%																				
Next \$10 billion	0.730%																				
Next \$50 billion	0.680%																				
Next \$50 billion	0.660%																				
Next \$100 billion	0.650%																				
Any excess thereafter	0.645%																				
PUTNAM CONVERTIBLE SECURITIES FUND	\$630,148,238	<table border="0"> <tr> <td>First \$5 billion of Total Open-End Mutual Fund Average Net Assets</td> <td>0.780%</td> </tr> <tr> <td>Next \$5 billion</td> <td>0.730%</td> </tr> <tr> <td>Next \$10 billion</td> <td>0.680%</td> </tr> <tr> <td>Next \$10 billion</td> <td>0.630%</td> </tr> <tr> <td>Next \$50 billion</td> <td>0.580%</td> </tr> <tr> <td>Next \$50 billion</td> <td>0.560%</td> </tr> <tr> <td>Next \$100 billion</td> <td>0.550%</td> </tr> <tr> <td>Any excess thereafter</td> <td>0.545%</td> </tr> </table>	First \$5 billion of Total Open-End Mutual Fund Average Net Assets	0.780%	Next \$5 billion	0.730%	Next \$10 billion	0.680%	Next \$10 billion	0.630%	Next \$50 billion	0.580%	Next \$50 billion	0.560%	Next \$100 billion	0.550%	Any excess thereafter	0.545%	\$4,049,683 (Represents 0.64% of average net assets)	Yes	With equal emphasis, current income and capital appreciation. Its secondary objective is conservation of capital.
First \$5 billion of Total Open-End Mutual Fund Average Net Assets	0.780%																				
Next \$5 billion	0.730%																				
Next \$10 billion	0.680%																				
Next \$10 billion	0.630%																				
Next \$50 billion	0.580%																				
Next \$50 billion	0.560%																				
Next \$100 billion	0.550%																				
Any excess thereafter	0.545%																				
PUTNAM DIVERSIFIED INCOME TRUST	\$4,595,919,051	<table border="0"> <tr> <td>First \$5 billion of Total Open-End Mutual Fund Average Net Assets</td> <td>0.700%</td> </tr> <tr> <td>Next \$5 billion</td> <td>0.650%</td> </tr> <tr> <td>Next \$10 billion</td> <td>0.600%</td> </tr> <tr> <td>Next \$10 billion</td> <td>0.550%</td> </tr> <tr> <td>Next \$50 billion</td> <td>0.500%</td> </tr> <tr> <td>Next \$50 billion</td> <td>0.480%</td> </tr> <tr> <td>Next \$100 billion</td> <td>0.470%</td> </tr> <tr> <td>Any excess thereafter</td> <td>0.465%</td> </tr> </table>	First \$5 billion of Total Open-End Mutual Fund Average Net Assets	0.700%	Next \$5 billion	0.650%	Next \$10 billion	0.600%	Next \$10 billion	0.550%	Next \$50 billion	0.500%	Next \$50 billion	0.480%	Next \$100 billion	0.470%	Any excess thereafter	0.465%	\$20,008,464 (Represents 0.55% of average net assets)	Yes	As high a level of current income as Putnam Management believes is consistent with preservation of capital.
First \$5 billion of Total Open-End Mutual Fund Average Net Assets	0.700%																				
Next \$5 billion	0.650%																				
Next \$10 billion	0.600%																				
Next \$10 billion	0.550%																				
Next \$50 billion	0.500%																				
Next \$50 billion	0.480%																				
Next \$100 billion	0.470%																				
Any excess thereafter	0.465%																				

Fund	Net Assets as of FYE ¹	Current Management Fee Schedule	Amount of Management Fee Paid in the Most Recent Fiscal Year (after applicable waivers, performance adjustments and reimbursements, if any)(\$)	Has compensation been waived, reduced or otherwise agreed to be reduced under any applicable contract?	Current Investment Objective
PUTNAM DYNAMIC ASSET ALLOCATION BALANCED FUND	\$1,331,128,130	First \$5 billion of Total Open-End Mutual Fund Average Net Assets 0.680% Next \$5 billion 0.630% Next \$10 billion 0.580% Next \$10 billion 0.530% Next \$50 billion 0.480% Next \$50 billion 0.460% Next \$100 billion 0.450% Any excess thereafter 0.445%	\$7,021,376 (Represents 0.53% of average net assets)	Yes	Total return.
PUTNAM DYNAMIC ASSET ALLOCATION CONSERVATIVE FUND	\$544,825,669	First \$5 billion of Total Open-End Mutual Fund Average Net Assets 0.680% Next \$5 billion 0.630% Next \$10 billion 0.580% Next \$10 billion 0.530% Next \$50 billion 0.480% Next \$50 billion 0.460% Next \$100 billion 0.450% Any excess thereafter 0.445%	\$3,001,267 (Represents 0.53% of average net assets)	Yes	Total return consistent with preservation of capital.
PUTNAM DYNAMIC ASSET ALLOCATION EQUITY FUND	\$25,026,151	First \$5 billion of Total Open-End Mutual Fund Average Net Assets 0.750% Next \$5 billion 0.700% Next \$10 billion 0.650% Next \$10 billion 0.600% Next \$50 billion 0.550% Next \$50 billion 0.530% Next \$100 billion 0.520% Any excess thereafter 0.515%	\$0 (Represents 0.00% of average net assets)	Yes	Long-term growth.
PUTNAM DYNAMIC ASSET ALLOCATION GROWTH FUND	\$1,671,640,573	First \$5 billion of Total Open-End Mutual Fund Average Net Assets 0.750% Next \$5 billion 0.700% Next \$10 billion 0.650% Next \$10 billion 0.600% Next \$50 billion 0.550% Next \$50 billion 0.530% Next \$100 billion 0.520% Any excess thereafter 0.515%	\$9,791,000 (Represents 0.60% of average net assets)	Yes	Capital appreciation.
PUTNAM DYNAMIC RISK ALLOCATION FUND	\$248,897,395	First \$5 billion of Total Open-End Mutual Fund Average Net Assets 1.050% Next \$5 billion 1.000% Next \$10 billion 0.950% Next \$10 billion 0.900% Next \$50 billion 0.850% Next \$50 billion 0.830% Next \$100 billion 0.820% Any excess thereafter 0.815%	\$1,418,724 (Represents 0.74% of average net assets)	Yes	Total return.

Fund	Net Assets as of FYE ¹	Current Management Fee Schedule	Amount of Management Fee Paid in the Most Recent Fiscal Year (after applicable waivers, performance adjustments and reimbursements, if any)(\$)	Has compensation been waived, reduced or otherwise agreed to be reduced under any applicable contract?	Current Investment Objective
PUTNAM EMERGING MARKETS EQUITY FUND	\$34,205,915	First \$5 billion of Total Open-End Mutual Fund Average Net Assets 1.080% Next \$5 billion 1.030% Next \$10 billion 0.980% Next \$10 billion 0.930% Next \$50 billion 0.880% Next \$50 billion 0.860% Next \$100 billion 0.850% Any excess thereafter 0.845% Benchmark: MSCI Emerging Markets Index (Net Dividends)* Hurdle: N/A Maximum Performance Adjustment Rate: 0.21% Minimum Performance Adjustment Rate: -0.21%	\$187,478 (Represents 0.54% of average net assets)	Yes	Long-term capital appreciation.
PUTNAM EMERGING MARKETS INCOME FUND	\$10,302,550 ⁽³⁾	First \$5 billion of Total Open-End Mutual Fund Average Net Assets 0.880% Next \$5 billion 0.830% Next \$10 billion 0.780% Next \$10 billion 0.730% Next \$50 billion 0.680% Next \$50 billion 0.660% Next \$100 billion 0.650% Any excess thereafter 0.645%	\$ — ⁽²⁾	Yes	High current income. Capital growth is a secondary goal when consistent with achieving high current income.
PUTNAM EQUITY INCOME FUND	\$3,784,636,714	First \$5 billion of Total Open-End Mutual Fund Average Net Assets 0.630% Next \$5 billion 0.580% Next \$10 billion 0.530% Next \$10 billion 0.480% Next \$50 billion 0.430% Next \$50 billion 0.410% Next \$100 billion 0.400% Any excess thereafter 0.395%	\$17,452,067 (Represents 0.49% of average net assets)	Yes	Capital growth and current income.
PUTNAM EQUITY SPECTRUM FUND	\$1,104,110,144	First \$5 billion of Total Open-End Mutual Fund Average Net Assets 0.880% Next \$5 billion 0.830% Next \$10 billion 0.780% Next \$10 billion 0.730% Next \$50 billion 0.680% Next \$50 billion 0.660% Next \$100 billion 0.650% Any excess thereafter 0.645% Benchmark: S&P 500 Index Hurdle: N/A Maximum Performance Adjustment Rate: 0.40% Minimum Performance Adjustment Rate: -0.40%	\$5,907,335 (Represents 0.85% of average net assets)	Yes	Total Return.

Fund	Net Assets as of FYE ¹	Current Management Fee Schedule	Amount of Management Fee Paid in the Most Recent Fiscal Year (after applicable waivers, performance adjustments and reimbursements, if any)(\$)	Has compensation been waived, reduced or otherwise agreed to be reduced under any applicable contract?	Current Investment Objective
PUTNAM EUROPE EQUITY FUND	\$161,424,766	First \$5 billion of Total Open-End Mutual Fund Average Net Assets 0.850% Next \$5 billion 0.800% Next \$10 billion 0.750% Next \$10 billion 0.700% Next \$50 billion 0.650% Next \$50 billion 0.630% Next \$100 billion 0.620% Any excess thereafter 0.615% Benchmark: MSCI Europe Index (Net Dividends)* Hurdle: N/A Maximum Performance Adjustment Rate: 0.15% Minimum Performance Adjustment Rate: -0.15%	\$1,225,861 (Represents 0.78% of average net assets)	Yes	Capital appreciation.
PUTNAM FLOATING RATE INCOME FUND	\$670,174,155	First \$5 billion of Total Open-End Mutual Fund Average Net Assets 0.720% Next \$5 billion 0.670% Next \$10 billion 0.620% Next \$10 billion 0.570% Next \$50 billion 0.520% Next \$50 billion 0.500% Next \$100 billion 0.490% Any excess thereafter 0.485%	\$2,977,382 (Represents 0.58% of average net assets)	Yes	High current income. Preservation of capital is a secondary goal.
THE PUTNAM FUND FOR GROWTH AND INCOME	\$4,442,530,367	First \$5 billion of Total Open-End Mutual Fund Average Net Assets 0.630% Next \$5 billion 0.580% Next \$10 billion 0.530% Next \$10 billion 0.480% Next \$50 billion 0.430% Next \$50 billion 0.410% Next \$100 billion 0.400% Any excess thereafter 0.395%	\$21,457,542 (Represents 0.49% of average net assets)	Yes	Capital growth and current income.
THE GEORGE PUTNAM FUND OF BOSTON (d/b/a GEORGE PUTNAM BALANCED FUND)	\$1,263,010,053	First \$5 billion of Total Open-End Mutual Fund Average Net Assets 0.680% Next \$5 billion 0.630% Next \$10 billion 0.580% Next \$10 billion 0.530% Next \$50 billion 0.480% Next \$50 billion 0.460% Next \$100 billion 0.450% Any excess thereafter 0.445%	\$6,488,744 (Represents 0.53% of average net assets)	Yes	Capital growth and current income.
PUTNAM GLOBAL CONSUMER FUND	\$18,922,710	First \$5 billion of Total Open-End Mutual Fund Average Net Assets 0.780% Next \$5 billion 0.730% Next \$10 billion 0.680% Next \$10 billion 0.630% Next \$50 billion 0.580% Next \$50 billion 0.560% Next \$100 billion 0.550% Any excess thereafter 0.545%	\$42,723 (Represents 0.29% of average net assets)	Yes	Capital appreciation.

Fund	Net Assets as of FYE ¹	Current Management Fee Schedule	Amount of Management Fee Paid in the Most Recent Fiscal Year (after applicable waivers, performance adjustments and reimbursements, if any)(\$)	Has compensation been waived, reduced or otherwise agreed to be reduced under any applicable contract?	Current Investment Objective
PUTNAM GLOBAL DIVIDEND FUND	\$6,139,934 ⁽³⁾	<p>First \$5 billion of Total Open-End Mutual Fund Average Net Assets 0.850%</p> <p>Next \$5 billion 0.800%</p> <p>Next \$10 billion 0.750%</p> <p>Next \$10 billion 0.700%</p> <p>Next \$50 billion 0.650%</p> <p>Next \$50 billion 0.630%</p> <p>Next \$100 billion 0.620%</p> <p>Any excess thereafter 0.615%</p> <p>Benchmark: MSCI World Index (Net Dividends)*</p> <p>Hurdle: N/A</p> <p>Maximum Performance Adjustment Rate: 0.15%</p> <p>Minimum Performance Adjustment Rate: -0.15%</p>	\$ — ⁽²⁾	Yes	Capital growth and current income.
PUTNAM GLOBAL ENERGY FUND	\$21,342,356	<p>First \$5 billion of Total Open-End Mutual Fund Average Net Assets 0.780%</p> <p>Next \$5 billion 0.730%</p> <p>Next \$10 billion 0.680%</p> <p>Next \$10 billion 0.630%</p> <p>Next \$50 billion 0.580%</p> <p>Next \$50 billion 0.560%</p> <p>Next \$100 billion 0.550%</p> <p>Any excess thereafter 0.545%</p>	\$76,398 (Represents 0.40% of average net assets)	Yes	Capital appreciation.
PUTNAM GLOBAL EQUITY FUND	\$761,325,421	<p>First \$5 billion of Total Open-End Mutual Fund Average Net Assets 0.850%</p> <p>Next \$5 billion 0.800%</p> <p>Next \$10 billion 0.750%</p> <p>Next \$10 billion 0.700%</p> <p>Next \$50 billion 0.650%</p> <p>Next \$50 billion 0.630%</p> <p>Next \$100 billion 0.620%</p> <p>Any excess thereafter 0.615%</p> <p>Benchmark: MSCI World Index (Net Dividends)*</p> <p>Hurdle: N/A</p> <p>Maximum Performance Adjustment Rate: 0.15%</p> <p>Minimum Performance Adjustment Rate: -0.15%</p>	\$5,496,467 (Represents 0.71% of average net assets)	Yes	Capital Appreciation.
PUTNAM GLOBAL FINANCIALS FUND	\$17,800,608	<p>First \$5 billion of Total Open-End Mutual Fund Average Net Assets 0.780%</p> <p>Next \$5 billion 0.730%</p> <p>Next \$10 billion 0.680%</p> <p>Next \$10 billion 0.630%</p> <p>Next \$50 billion 0.580%</p> <p>Next \$50 billion 0.560%</p> <p>Next \$100 billion 0.550%</p> <p>Any excess thereafter 0.545%</p>	\$38,961 (Represents 0.26% of average net assets)	Yes	Capital appreciation.

Fund	Net Assets as of FYE ¹	Current Management Fee Schedule		Amount of Management Fee Paid in the Most Recent Fiscal Year (after applicable waivers, performance adjustments and reimbursements, if any)(\$)	Has compensation been waived, reduced or otherwise agreed to be reduced under any applicable contract?	Current Investment Objective
PUTNAM GLOBAL HEALTH CARE FUND	\$1,197,089,834	First \$5 billion of Total Open-End Mutual Fund Average Net Assets	0.780%	\$6,970,314 (Represents 0.63% of average net assets)	Yes	Capital Appreciation.
		Next \$5 billion	0.730%			
		Next \$10 billion	0.680%			
		Next \$10 billion	0.630%			
		Next \$50 billion	0.580%			
		Next \$50 billion	0.560%			
		Next \$100 billion	0.550%			
		Any excess thereafter	0.545%			
PUTNAM GLOBAL INCOME TRUST	\$363,153,058	First \$5 billion of Total Open-End Mutual Fund Average Net Assets	0.700%	\$1,999,189 (Represents 0.56% of average net assets)	Yes	High current income. Preservation of capital and long-term total return are secondary objectives, but only to the extent consistent with the objective of seeking high current income.
		Next \$5 billion	0.650%			
		Next \$10 billion	0.600%			
		Next \$10 billion	0.550%			
		Next \$50 billion	0.500%			
		Next \$50 billion	0.480%			
		Next \$100 billion	0.470%			
		Any excess thereafter	0.465%			
PUTNAM GLOBAL INDUSTRIALS FUND	\$18,151,538	First \$5 billion of Total Open-End Mutual Fund Average Net Assets	0.780%	\$16,277 (Represents 0.13% of average net assets)	Yes	Capital appreciation.
		Next \$5 billion	0.730%			
		Next \$10 billion	0.680%			
		Next \$10 billion	0.630%			
		Next \$50 billion	0.580%			
		Next \$50 billion	0.560%			
		Next \$100 billion	0.550%			
		Any excess thereafter	0.545%			
PUTNAM GLOBAL NATURAL RESOURCES FUND	\$313,033,087	First \$5 billion of Total Open-End Mutual Fund Average Net Assets	0.780%	\$1,959,049 (Represents 0.63% of average net assets)	Yes	Capital Appreciation.
		Next \$5 billion	0.730%			
		Next \$10 billion	0.680%			
		Next \$10 billion	0.630%			
		Next \$50 billion	0.580%			
		Next \$50 billion	0.560%			
		Next \$100 billion	0.550%			
		Any excess thereafter	0.545%			
PUTNAM GLOBAL SECTOR FUND	\$2,682,759	N/A	N/A	N/A	Yes	Capital appreciation.
PUTNAM GLOBAL TECHNOLOGY FUND	\$12,569,313	First \$5 billion of Total Open-End Mutual Fund Average Net Assets	0.780%	\$17,533 (Represents 0.15% of average net assets)	Yes	Capital appreciation.
		Next \$5 billion	0.730%			
		Next \$10 billion	0.680%			
		Next \$10 billion	0.630%			
		Next \$50 billion	0.580%			
		Next \$50 billion	0.560%			
		Next \$100 billion	0.550%			
		Any excess thereafter	0.545%			
PUTNAM GLOBAL TELECOMMUNICATIONS FUND	\$19,913,012	First \$5 billion of Total Open-End Mutual Fund Average Net Assets	0.780%	\$51,643 (Represents 0.32% of average net assets)	Yes	Capital appreciation.
		Next \$5 billion	0.730%			
		Next \$10 billion	0.680%			
		Next \$10 billion	0.630%			
		Next \$50 billion	0.580%			
		Next \$50 billion	0.560%			
		Next \$100 billion	0.550%			
		Any excess thereafter	0.545%			

Fund	Net Assets as of FYE ¹	Current Management Fee Schedule	Amount of Management Fee Paid in the Most Recent Fiscal Year (after applicable waivers, performance adjustments and reimbursements, if any)(\$)	Has compensation been waived, reduced or otherwise agreed to be reduced under any applicable contract?	Current Investment Objective																												
PUTNAM GLOBAL UTILITIES FUND	\$203,809,852	<table border="0"> <tr> <td>First \$5 billion of Total Open-End Mutual Fund Average Net Assets</td> <td>0.780%</td> </tr> <tr> <td>Next \$5 billion</td> <td>0.730%</td> </tr> <tr> <td>Next \$10 billion</td> <td>0.680%</td> </tr> <tr> <td>Next \$10 billion</td> <td>0.630%</td> </tr> <tr> <td>Next \$50 billion</td> <td>0.580%</td> </tr> <tr> <td>Next \$50 billion</td> <td>0.560%</td> </tr> <tr> <td>Next \$100 billion</td> <td>0.550%</td> </tr> <tr> <td>Any excess thereafter</td> <td>0.545%</td> </tr> </table>	First \$5 billion of Total Open-End Mutual Fund Average Net Assets	0.780%	Next \$5 billion	0.730%	Next \$10 billion	0.680%	Next \$10 billion	0.630%	Next \$50 billion	0.580%	Next \$50 billion	0.560%	Next \$100 billion	0.550%	Any excess thereafter	0.545%	\$1,327,033 (Represents 0.63% of average net assets)	Yes	Capital growth and current income.												
First \$5 billion of Total Open-End Mutual Fund Average Net Assets	0.780%																																
Next \$5 billion	0.730%																																
Next \$10 billion	0.680%																																
Next \$10 billion	0.630%																																
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Next \$50 billion	0.560%																																
Next \$100 billion	0.550%																																
Any excess thereafter	0.545%																																
PUTNAM GROWTH OPPORTUNITIES FUND	\$393,031,498	<table border="0"> <tr> <td>First \$5 billion of Total Open-End Mutual Fund Average Net Assets</td> <td>0.710%</td> </tr> <tr> <td>Next \$5 billion</td> <td>0.660%</td> </tr> <tr> <td>Next \$10 billion</td> <td>0.610%</td> </tr> <tr> <td>Next \$10 billion</td> <td>0.560%</td> </tr> <tr> <td>Next \$50 billion</td> <td>0.510%</td> </tr> <tr> <td>Next \$50 billion</td> <td>0.490%</td> </tr> <tr> <td>Next \$100 billion</td> <td>0.480%</td> </tr> <tr> <td>Any excess thereafter</td> <td>0.475%</td> </tr> <tr> <td>Benchmark:</td> <td>Russell 1000 Growth Index</td> </tr> <tr> <td>Hurdle:</td> <td>N/A</td> </tr> <tr> <td>Maximum Performance Adjustment Rate:</td> <td>0.12%</td> </tr> <tr> <td>Minimum Performance Adjustment Rate:</td> <td>-0.12%</td> </tr> </table>	First \$5 billion of Total Open-End Mutual Fund Average Net Assets	0.710%	Next \$5 billion	0.660%	Next \$10 billion	0.610%	Next \$10 billion	0.560%	Next \$50 billion	0.510%	Next \$50 billion	0.490%	Next \$100 billion	0.480%	Any excess thereafter	0.475%	Benchmark:	Russell 1000 Growth Index	Hurdle:	N/A	Maximum Performance Adjustment Rate:	0.12%	Minimum Performance Adjustment Rate:	-0.12%	\$1,825,919 (Represents 0.51% of average net assets)	Yes	Capital appreciation.				
First \$5 billion of Total Open-End Mutual Fund Average Net Assets	0.710%																																
Next \$5 billion	0.660%																																
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Hurdle:	N/A																																
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PUTNAM HIGH INCOME SECURITIES FUND	\$145,549,092	<table border="0"> <tr> <td>First \$500 million</td> <td>0.700%</td> </tr> <tr> <td>Next \$500 million</td> <td>0.600%</td> </tr> <tr> <td>Next \$500 million</td> <td>0.550%</td> </tr> <tr> <td>Next \$5 billion</td> <td>0.500%</td> </tr> <tr> <td>Next \$5 billion</td> <td>0.475%</td> </tr> <tr> <td>Next \$5 billion</td> <td>0.455%</td> </tr> <tr> <td>Next \$5 billion</td> <td>0.440%</td> </tr> <tr> <td>Next \$5 billion</td> <td>0.430%</td> </tr> <tr> <td>Next \$5 billion</td> <td>0.420%</td> </tr> <tr> <td>Next \$5 billion</td> <td>0.410%</td> </tr> <tr> <td>Next \$5 billion</td> <td>0.400%</td> </tr> <tr> <td>Next \$5 billion</td> <td>0.390%</td> </tr> <tr> <td>Next \$8.5 billion</td> <td>0.380%</td> </tr> <tr> <td>Any excess thereafter</td> <td>0.370%</td> </tr> </table>	First \$500 million	0.700%	Next \$500 million	0.600%	Next \$500 million	0.550%	Next \$5 billion	0.500%	Next \$5 billion	0.475%	Next \$5 billion	0.455%	Next \$5 billion	0.440%	Next \$5 billion	0.430%	Next \$5 billion	0.420%	Next \$5 billion	0.410%	Next \$5 billion	0.400%	Next \$5 billion	0.390%	Next \$8.5 billion	0.380%	Any excess thereafter	0.370%	\$1,039,414 (Represents 0.70% of average net assets)	No	High current income. Secondary objective is capital appreciation.
First \$500 million	0.700%																																
Next \$500 million	0.600%																																
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Next \$5 billion	0.500%																																
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Any excess thereafter	0.370%																																
PUTNAM HIGH YIELD ADVANTAGE FUND	\$966,211,080	<table border="0"> <tr> <td>First \$5 billion of Total Open-End Mutual Fund Average Net Assets</td> <td>0.720%</td> </tr> <tr> <td>Next \$5 billion</td> <td>0.670%</td> </tr> <tr> <td>Next \$10 billion</td> <td>0.620%</td> </tr> <tr> <td>Next \$10 billion</td> <td>0.570%</td> </tr> <tr> <td>Next \$50 billion</td> <td>0.520%</td> </tr> <tr> <td>Next \$50 billion</td> <td>0.500%</td> </tr> <tr> <td>Next \$100 billion</td> <td>0.490%</td> </tr> <tr> <td>Any excess thereafter</td> <td>0.485%</td> </tr> </table>	First \$5 billion of Total Open-End Mutual Fund Average Net Assets	0.720%	Next \$5 billion	0.670%	Next \$10 billion	0.620%	Next \$10 billion	0.570%	Next \$50 billion	0.520%	Next \$50 billion	0.500%	Next \$100 billion	0.490%	Any excess thereafter	0.485%	\$5,206,491 (Represents 0.58% of average net assets)	Yes	High current income. Capital growth is a secondary goal when consistent with achieving high current income.												
First \$5 billion of Total Open-End Mutual Fund Average Net Assets	0.720%																																
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Fund	Net Assets as of FYE ¹	Current Management Fee Schedule	Amount of Management Fee Paid in the Most Recent Fiscal Year (after applicable waivers, performance adjustments and reimbursements, if any)(\$)	Has compensation been waived, reduced or otherwise agreed to be reduced under any applicable contract?	Current Investment Objective
PUTNAM HIGH YIELD TRUST	\$1,345,593,597	First \$5 billion of Total Open-End Mutual Fund Average Net Assets 0.720% Next \$5 billion 0.670% Next \$10 billion 0.620% Next \$10 billion 0.570% Next \$50 billion 0.520% Next \$50 billion 0.500% Next \$100 billion 0.490% Any excess thereafter 0.485%	\$8,476,385 (Represents 0.57% of average net assets)	Yes	High current income. Capital growth is a secondary goal when consistent with achieving high current income.
PUTNAM INCOME FUND	\$1,436,436,630	First \$5 billion of Total Open-End Mutual Fund Average Net Assets 0.550% Next \$5 billion 0.500% Next \$10 billion 0.450% Next \$10 billion 0.400% Next \$50 billion 0.350% Next \$50 billion 0.330% Next \$100 billion 0.320% Any excess thereafter 0.315%	\$5,608,363 (Represents 0.41% of average net assets)	Yes	High current income consistent with what Putnam Investment Management, LLC believes to be prudent risk.
PUTNAM INTERMEDIATE-TERM MUNICIPAL INCOME FUND	\$10,364,955 ⁽³⁾	First \$5 billion of Total Open-End Mutual Fund Average Net Assets 0.590% Next \$5 billion 0.540% Next \$10 billion 0.490% Next \$10 billion 0.440% Next \$50 billion 0.390% Next \$50 billion 0.370% Next \$100 billion 0.360% Any excess thereafter 0.355%	\$ — ⁽²⁾	Yes	As high a level of current income exempt from federal income tax as Putnam Management believes is consistent with preservation of capital.
PUTNAM INTERNATIONAL CAPITAL OPPORTUNITIES FUND	\$803,002,155	First \$5 billion of Total Open-End Mutual Fund Average Net Assets 1.080% Next \$5 billion 1.030% Next \$10 billion 0.980% Next \$10 billion 0.930% Next \$50 billion 0.880% Next \$50 billion 0.860% Next \$100 billion 0.850% Any excess thereafter 0.845% Benchmark: S&P Developed Ex-U.S. SmallCap Index Hurdle: N/A Maximum Performance Adjustment Rate: 0.21% Minimum Performance Adjustment Rate: -0.21%	\$7,166,274 (Represents 0.84% of average net assets)	Yes	Long-term capital appreciation.

Fund	Net Assets as of FYE ¹	Current Management Fee Schedule	Amount of Management Fee Paid in the Most Recent Fiscal Year (after applicable waivers, performance adjustments and reimbursements, if any)(\$)	Has compensation been waived, reduced or otherwise agreed to be reduced under any applicable contract?	Current Investment Objective
PUTNAM INTERNATIONAL EQUITY FUND	\$962,771,808	<p>First \$5 billion of Total Open-End Mutual Fund Average Net Assets 0.850%</p> <p>Next \$5 billion 0.800%</p> <p>Next \$10 billion 0.750%</p> <p>Next \$10 billion 0.700%</p> <p>Next \$50 billion 0.650%</p> <p>Next \$50 billion 0.630%</p> <p>Next \$100 billion 0.620%</p> <p>Any excess thereafter 0.615%</p> <p>Benchmark: MSCI EAFE Index (Net Dividends)*</p> <p>Hurdle: N/A</p> <p>Maximum Performance Adjustment Rate: 0.15%</p> <p>Minimum Performance Adjustment Rate: -0.15%</p>	\$7,100,664 (Represents 0.72% of average net assets)	Yes	Capital appreciation.
PUTNAM INTERNATIONAL GROWTH FUND	\$351,591,716	<p>First \$5 billion of Total Open-End Mutual Fund Average Net Assets 1.080%</p> <p>Next \$5 billion 1.030%</p> <p>Next \$10 billion 0.980%</p> <p>Next \$10 billion 0.930%</p> <p>Next \$50 billion 0.880%</p> <p>Next \$50 billion 0.860%</p> <p>Next \$100 billion 0.850%</p> <p>Any excess thereafter 0.845%</p> <p>Benchmark: MSCI EAFE Growth Index (Net Dividends)*</p> <p>Hurdle: N/A</p> <p>Maximum Performance Adjustment Rate: 0.21%</p> <p>Minimum Performance Adjustment Rate: -0.21%</p>	\$3,022,995 (Represents 0.89% of average net assets)	Yes	Long-term capital appreciation.

Fund	Net Assets as of FYE ¹	Current Management Fee Schedule	Amount of Management Fee Paid in the Most Recent Fiscal Year (after applicable waivers, performance adjustments and reimbursements, if any)(\$)	Has compensation been waived, reduced or otherwise agreed to be reduced under any applicable contract?	Current Investment Objective																		
PUTNAM INTERNATIONAL VALUE FUND	\$200,940,112	<table border="0"> <tr> <td>First \$5 billion of Total Open-End Mutual Fund Average Net Assets</td> <td>0.850%</td> </tr> <tr> <td>Next \$5 billion</td> <td>0.800%</td> </tr> <tr> <td>Next \$10 billion</td> <td>0.750%</td> </tr> <tr> <td>Next \$10 billion</td> <td>0.700%</td> </tr> <tr> <td>Next \$50 billion</td> <td>0.650%</td> </tr> <tr> <td>Next \$50 billion</td> <td>0.630%</td> </tr> <tr> <td>Next \$100 billion</td> <td>0.620%</td> </tr> <tr> <td>Any excess thereafter</td> <td>0.615%</td> </tr> </table> <p>Benchmark: MSCI EAFE Value Index and S&P Developed Ex-U.S. LargeMidCap Value Index (Net Dividends)* **</p> <p>Hurdle: N/A</p> <p>Maximum Performance Adjustment Rate: 0.15%</p> <p>Minimum Performance Adjustment Rate: -0.15%</p>	First \$5 billion of Total Open-End Mutual Fund Average Net Assets	0.850%	Next \$5 billion	0.800%	Next \$10 billion	0.750%	Next \$10 billion	0.700%	Next \$50 billion	0.650%	Next \$50 billion	0.630%	Next \$100 billion	0.620%	Any excess thereafter	0.615%	\$1,437,355 (Represents 0.71% of average net assets)	Yes	Capital growth. Current income is a secondary objective.		
First \$5 billion of Total Open-End Mutual Fund Average Net Assets	0.850%																						
Next \$5 billion	0.800%																						
Next \$10 billion	0.750%																						
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Next \$50 billion	0.650%																						
Next \$50 billion	0.630%																						
Next \$100 billion	0.620%																						
Any excess thereafter	0.615%																						
PUTNAM INVESTORS FUND	\$1,537,732,567	<table border="0"> <tr> <td>First \$5 billion of Total Open-End Mutual Fund Average Net Assets</td> <td>0.710%</td> </tr> <tr> <td>Next \$5 billion</td> <td>0.660%</td> </tr> <tr> <td>Next \$10 billion</td> <td>0.610%</td> </tr> <tr> <td>Next \$10 billion</td> <td>0.560%</td> </tr> <tr> <td>Next \$50 billion</td> <td>0.510%</td> </tr> <tr> <td>Next \$50 billion</td> <td>0.490%</td> </tr> <tr> <td>Next \$100 billion</td> <td>0.480%</td> </tr> <tr> <td>Any excess thereafter</td> <td>0.475%</td> </tr> </table>	First \$5 billion of Total Open-End Mutual Fund Average Net Assets	0.710%	Next \$5 billion	0.660%	Next \$10 billion	0.610%	Next \$10 billion	0.560%	Next \$50 billion	0.510%	Next \$50 billion	0.490%	Next \$100 billion	0.480%	Any excess thereafter	0.475%	\$7,966,034 (Represents 0.56% of average net assets)	Yes	Long-term growth of capital and any increased income that results from this growth.		
First \$5 billion of Total Open-End Mutual Fund Average Net Assets	0.710%																						
Next \$5 billion	0.660%																						
Next \$10 billion	0.610%																						
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Next \$50 billion	0.510%																						
Next \$50 billion	0.490%																						
Next \$100 billion	0.480%																						
Any excess thereafter	0.475%																						
PUTNAM LOW VOLATILITY EQUITY FUND	\$29,929,699	<table border="0"> <tr> <td>First \$5 billion of Total Open-End Mutual Fund Average Net Assets</td> <td>0.780%</td> </tr> <tr> <td>Next \$5 billion</td> <td>0.730%</td> </tr> <tr> <td>Next \$10 billion</td> <td>0.680%</td> </tr> <tr> <td>Next \$10 billion</td> <td>0.630%</td> </tr> <tr> <td>Next \$50 billion</td> <td>0.580%</td> </tr> <tr> <td>Next \$50 billion</td> <td>0.560%</td> </tr> <tr> <td>Next \$100 billion</td> <td>0.550%</td> </tr> <tr> <td>Any excess thereafter</td> <td>0.545%</td> </tr> </table>	First \$5 billion of Total Open-End Mutual Fund Average Net Assets	0.780%	Next \$5 billion	0.730%	Next \$10 billion	0.680%	Next \$10 billion	0.630%	Next \$50 billion	0.580%	Next \$50 billion	0.560%	Next \$100 billion	0.550%	Any excess thereafter	0.545%	\$0 (Represents 0.00% of average net assets)	Yes	Total return comparable to that of the U.S equity markets, but with lower volatility, over a market cycle.		
First \$5 billion of Total Open-End Mutual Fund Average Net Assets	0.780%																						
Next \$5 billion	0.730%																						
Next \$10 billion	0.680%																						
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Any excess thereafter	0.545%																						
PUTNAM MANAGED MUNICIPAL INCOME TRUST	\$466,728,330	<table border="0"> <tr> <td>The lesser of (i) 0.55%, or (ii) the following rates:</td> <td></td> </tr> <tr> <td>First \$500 million</td> <td>0.650%</td> </tr> <tr> <td>Next \$500 million</td> <td>0.550%</td> </tr> <tr> <td>Next \$500 million</td> <td>0.500%</td> </tr> <tr> <td>Next \$5 billion</td> <td>0.450%</td> </tr> <tr> <td>Next \$5 billion</td> <td>0.425%</td> </tr> <tr> <td>Next \$5 billion</td> <td>0.405%</td> </tr> <tr> <td>Next \$5 billion</td> <td>0.390%</td> </tr> <tr> <td>Any excess thereafter</td> <td>0.380%</td> </tr> </table>	The lesser of (i) 0.55%, or (ii) the following rates:		First \$500 million	0.650%	Next \$500 million	0.550%	Next \$500 million	0.500%	Next \$5 billion	0.450%	Next \$5 billion	0.425%	Next \$5 billion	0.405%	Next \$5 billion	0.390%	Any excess thereafter	0.380%	\$3,149,331 (Represents 0.70% of average net assets) [#]	No	High current income free from federal income tax.
The lesser of (i) 0.55%, or (ii) the following rates:																							
First \$500 million	0.650%																						
Next \$500 million	0.550%																						
Next \$500 million	0.500%																						
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Any excess thereafter	0.380%																						

Fund	Net Assets as of FYE ¹	Current Management Fee Schedule	Amount of Management Fee Paid in the Most Recent Fiscal Year (after applicable waivers, performance adjustments and reimbursements, if any)(\$)	Has compensation been waived, reduced or otherwise agreed to be reduced under any applicable contract?	Current Investment Objective																												
PUTNAM MASSACHUSETTS TAX EXEMPT INCOME FUND	\$426,490,557	<table border="0"> <tr> <td>First \$5 billion of Total Open-End Mutual Fund Average Net Assets</td> <td>0.590%</td> </tr> <tr> <td>Next \$5 billion</td> <td>0.540%</td> </tr> <tr> <td>Next \$10 billion</td> <td>0.490%</td> </tr> <tr> <td>Next \$10 billion</td> <td>0.440%</td> </tr> <tr> <td>Next \$50 billion</td> <td>0.390%</td> </tr> <tr> <td>Next \$50 billion</td> <td>0.370%</td> </tr> <tr> <td>Next \$100 billion</td> <td>0.360%</td> </tr> <tr> <td>Any excess thereafter</td> <td>0.355%</td> </tr> </table>	First \$5 billion of Total Open-End Mutual Fund Average Net Assets	0.590%	Next \$5 billion	0.540%	Next \$10 billion	0.490%	Next \$10 billion	0.440%	Next \$50 billion	0.390%	Next \$50 billion	0.370%	Next \$100 billion	0.360%	Any excess thereafter	0.355%	\$1,868,568 (Represents 0.44% of average net assets)	Yes	High level of current income exempt from federal income tax and Massachusetts personal income tax as Putnam Management believes is consistent with preservation of capital.												
First \$5 billion of Total Open-End Mutual Fund Average Net Assets	0.590%																																
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Next \$100 billion	0.360%																																
Any excess thereafter	0.355%																																
PUTNAM MASTER INTERMEDIATE INCOME TRUST	\$345,143,575	<table border="0"> <tr> <td>First \$500 million</td> <td>0.750%</td> </tr> <tr> <td>Next \$500 million</td> <td>0.650%</td> </tr> <tr> <td>Next \$500 million</td> <td>0.600%</td> </tr> <tr> <td>Next \$5 billion</td> <td>0.550%</td> </tr> <tr> <td>Next \$5 billion</td> <td>0.525%</td> </tr> <tr> <td>Next \$5 billion</td> <td>0.505%</td> </tr> <tr> <td>Next \$5 billion</td> <td>0.490%</td> </tr> <tr> <td>Next \$5 billion</td> <td>0.480%</td> </tr> <tr> <td>Next \$5 billion</td> <td>0.470%</td> </tr> <tr> <td>Next \$5 billion</td> <td>0.460%</td> </tr> <tr> <td>Next \$5 billion</td> <td>0.450%</td> </tr> <tr> <td>Next \$5 billion</td> <td>0.440%</td> </tr> <tr> <td>Next \$8.5 billion</td> <td>0.430%</td> </tr> <tr> <td>Any excess thereafter</td> <td>0.420%</td> </tr> </table>	First \$500 million	0.750%	Next \$500 million	0.650%	Next \$500 million	0.600%	Next \$5 billion	0.550%	Next \$5 billion	0.525%	Next \$5 billion	0.505%	Next \$5 billion	0.490%	Next \$5 billion	0.480%	Next \$5 billion	0.470%	Next \$5 billion	0.460%	Next \$5 billion	0.450%	Next \$5 billion	0.440%	Next \$8.5 billion	0.430%	Any excess thereafter	0.420%	\$2,723,636 (Represents 0.75% of average net assets)	No	High current income and relative stability of net asset value.
First \$500 million	0.750%																																
Next \$500 million	0.650%																																
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Next \$5 billion	0.550%																																
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Any excess thereafter	0.420%																																
PUTNAM MICHIGAN TAX EXEMPT INCOME FUND	\$82,347,558	<table border="0"> <tr> <td>First \$5 billion of Total Open-End Mutual Fund Average Net Assets</td> <td>0.590%</td> </tr> <tr> <td>Next \$5 billion</td> <td>0.540%</td> </tr> <tr> <td>Next \$10 billion</td> <td>0.490%</td> </tr> <tr> <td>Next \$10 billion</td> <td>0.440%</td> </tr> <tr> <td>Next \$50 billion</td> <td>0.390%</td> </tr> <tr> <td>Next \$50 billion</td> <td>0.370%</td> </tr> <tr> <td>Next \$100 billion</td> <td>0.360%</td> </tr> <tr> <td>Any excess thereafter</td> <td>0.355%</td> </tr> </table>	First \$5 billion of Total Open-End Mutual Fund Average Net Assets	0.590%	Next \$5 billion	0.540%	Next \$10 billion	0.490%	Next \$10 billion	0.440%	Next \$50 billion	0.390%	Next \$50 billion	0.370%	Next \$100 billion	0.360%	Any excess thereafter	0.355%	\$362,014 (Represents 0.44% of average net assets)	Yes	As high a level of current income exempt from federal income tax and Michigan personal income tax as Putnam Management believes is consistent with preservation of capital.												
First \$5 billion of Total Open-End Mutual Fund Average Net Assets	0.590%																																
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Any excess thereafter	0.355%																																
PUTNAM MINNESOTA TAX EXEMPT INCOME FUND	\$125,148,611	<table border="0"> <tr> <td>First \$5 billion of Total Open-End Mutual Fund Average Net Assets</td> <td>0.590%</td> </tr> <tr> <td>Next \$5 billion</td> <td>0.540%</td> </tr> <tr> <td>Next \$10 billion</td> <td>0.490%</td> </tr> <tr> <td>Next \$10 billion</td> <td>0.440%</td> </tr> <tr> <td>Next \$50 billion</td> <td>0.390%</td> </tr> <tr> <td>Next \$50 billion</td> <td>0.370%</td> </tr> <tr> <td>Next \$100 billion</td> <td>0.360%</td> </tr> <tr> <td>Any excess thereafter</td> <td>0.355%</td> </tr> </table>	First \$5 billion of Total Open-End Mutual Fund Average Net Assets	0.590%	Next \$5 billion	0.540%	Next \$10 billion	0.490%	Next \$10 billion	0.440%	Next \$50 billion	0.390%	Next \$50 billion	0.370%	Next \$100 billion	0.360%	Any excess thereafter	0.355%	\$532,651 (Represents 0.44% of average net assets)	Yes	As high a level of current income exempt from federal income tax and Minnesota personal income tax as Putnam Management believes is consistent with preservation of capital.												
First \$5 billion of Total Open-End Mutual Fund Average Net Assets	0.590%																																
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Any excess thereafter	0.355%																																
PUTNAM MONEY MARKET FUND	\$1,431,994,373	<table border="0"> <tr> <td>First \$5 billion of Total Open-End Mutual Fund Average Net Assets</td> <td>0.440%</td> </tr> <tr> <td>Next \$5 billion</td> <td>0.390%</td> </tr> <tr> <td>Next \$10 billion</td> <td>0.340%</td> </tr> <tr> <td>Next \$10 billion</td> <td>0.290%</td> </tr> <tr> <td>Next \$50 billion</td> <td>0.240%</td> </tr> <tr> <td>Next \$50 billion</td> <td>0.220%</td> </tr> <tr> <td>Next \$100 billion</td> <td>0.210%</td> </tr> <tr> <td>Any excess thereafter</td> <td>0.205%</td> </tr> </table>	First \$5 billion of Total Open-End Mutual Fund Average Net Assets	0.440%	Next \$5 billion	0.390%	Next \$10 billion	0.340%	Next \$10 billion	0.290%	Next \$50 billion	0.240%	Next \$50 billion	0.220%	Next \$100 billion	0.210%	Any excess thereafter	0.205%	\$0 (Represents 0.00% of average net assets)	Yes	As high a rate of current income as Putnam Management believes is consistent with preservation of capital and maintenance of liquidity.												
First \$5 billion of Total Open-End Mutual Fund Average Net Assets	0.440%																																
Next \$5 billion	0.390%																																
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Next \$50 billion	0.220%																																
Next \$100 billion	0.210%																																
Any excess thereafter	0.205%																																
PUTNAM MONEY MARKET LIQUIDITY FUND	\$2,215,725,345	<table border="0"> <tr> <td>of Average net assets</td> <td>0.25%</td> </tr> </table>	of Average net assets	0.25%	\$0 (Represents 0.00% of average net assets)	Yes	As high a rate of current income as Putnam Management believes is consistent with preservation of capital and maintenance of liquidity.																										
of Average net assets	0.25%																																

Fund	Net Assets as of FYE ¹	Current Management Fee Schedule	Amount of Management Fee Paid in the Most Recent Fiscal Year (after applicable waivers, performance adjustments and reimbursements, if any)(\$)	Has compensation been waived, reduced or otherwise agreed to be reduced under any applicable contract?	Current Investment Objective																								
PUTNAM MULTI-CAP CORE FUND	\$14,261,026	<table border="0"> <tr> <td>First \$5 billion of Total Open-End Mutual Fund Average Net Assets</td> <td>0.710%</td> </tr> <tr> <td>Next \$5 billion</td> <td>0.660%</td> </tr> <tr> <td>Next \$10 billion</td> <td>0.610%</td> </tr> <tr> <td>Next \$10 billion</td> <td>0.560%</td> </tr> <tr> <td>Next \$50 billion</td> <td>0.510%</td> </tr> <tr> <td>Next \$50 billion</td> <td>0.490%</td> </tr> <tr> <td>Next \$100 billion</td> <td>0.480%</td> </tr> <tr> <td>Any excess thereafter</td> <td>0.475%</td> </tr> </table>	First \$5 billion of Total Open-End Mutual Fund Average Net Assets	0.710%	Next \$5 billion	0.660%	Next \$10 billion	0.610%	Next \$10 billion	0.560%	Next \$50 billion	0.510%	Next \$50 billion	0.490%	Next \$100 billion	0.480%	Any excess thereafter	0.475%	\$8,719 (Represents 0.08% of average net assets)	Yes	Capital appreciation.								
First \$5 billion of Total Open-End Mutual Fund Average Net Assets	0.710%																												
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Next \$10 billion	0.610%																												
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Any excess thereafter	0.475%																												
PUTNAM MULTI-CAP GROWTH FUND	\$3,338,588,682	<table border="0"> <tr> <td>First \$5 billion of Total Open-End Mutual Fund Average Net Assets</td> <td>0.710%</td> </tr> <tr> <td>Next \$5 billion</td> <td>0.660%</td> </tr> <tr> <td>Next \$10 billion</td> <td>0.610%</td> </tr> <tr> <td>Next \$10 billion</td> <td>0.560%</td> </tr> <tr> <td>Next \$50 billion</td> <td>0.510%</td> </tr> <tr> <td>Next \$50 billion</td> <td>0.490%</td> </tr> <tr> <td>Next \$100 billion</td> <td>0.480%</td> </tr> <tr> <td>Any excess thereafter</td> <td>0.475%</td> </tr> <tr> <td>Benchmark:</td> <td>Russell 3000 Growth Index</td> </tr> <tr> <td>Hurdle:</td> <td>N/A</td> </tr> <tr> <td>Maximum Performance Adjustment Rate:</td> <td>0.12%</td> </tr> <tr> <td>Minimum Performance Adjustment Rate:</td> <td>-0.12%</td> </tr> </table>	First \$5 billion of Total Open-End Mutual Fund Average Net Assets	0.710%	Next \$5 billion	0.660%	Next \$10 billion	0.610%	Next \$10 billion	0.560%	Next \$50 billion	0.510%	Next \$50 billion	0.490%	Next \$100 billion	0.480%	Any excess thereafter	0.475%	Benchmark:	Russell 3000 Growth Index	Hurdle:	N/A	Maximum Performance Adjustment Rate:	0.12%	Minimum Performance Adjustment Rate:	-0.12%	\$16,342,403 (Represents 0.50% of average net assets)	Yes	Long-term capital appreciation.
First \$5 billion of Total Open-End Mutual Fund Average Net Assets	0.710%																												
Next \$5 billion	0.660%																												
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Benchmark:	Russell 3000 Growth Index																												
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PUTNAM MULTI-CAP VALUE FUND	\$312,805,407	<table border="0"> <tr> <td>First \$5 billion of Total Open-End Mutual Fund Average Net Assets</td> <td>0.710%</td> </tr> <tr> <td>Next \$5 billion</td> <td>0.660%</td> </tr> <tr> <td>Next \$10 billion</td> <td>0.610%</td> </tr> <tr> <td>Next \$10 billion</td> <td>0.560%</td> </tr> <tr> <td>Next \$50 billion</td> <td>0.510%</td> </tr> <tr> <td>Next \$50 billion</td> <td>0.490%</td> </tr> <tr> <td>Next \$100 billion</td> <td>0.480%</td> </tr> <tr> <td>Any excess thereafter</td> <td>0.475%</td> </tr> </table>	First \$5 billion of Total Open-End Mutual Fund Average Net Assets	0.710%	Next \$5 billion	0.660%	Next \$10 billion	0.610%	Next \$10 billion	0.560%	Next \$50 billion	0.510%	Next \$50 billion	0.490%	Next \$100 billion	0.480%	Any excess thereafter	0.475%	\$2,138,018 (Represents 0.56% of average net assets)	Yes	Capital appreciation and, as a secondary objective, current income.								
First \$5 billion of Total Open-End Mutual Fund Average Net Assets	0.710%																												
Next \$5 billion	0.660%																												
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Any excess thereafter	0.475%																												
PUTNAM MUNICIPAL OPPORTUNITIES TRUST	\$580,642,631	<table border="0"> <tr> <td>The lesser of (i) 0.55%, or (ii) the following rates:</td> <td></td> </tr> <tr> <td>First \$500 million</td> <td>0.650%</td> </tr> <tr> <td>Next \$500 million</td> <td>0.550%</td> </tr> <tr> <td>Next \$500 million</td> <td>0.500%</td> </tr> <tr> <td>Next \$5 billion</td> <td>0.450%</td> </tr> <tr> <td>Next \$5 billion</td> <td>0.425%</td> </tr> <tr> <td>Next \$5 billion</td> <td>0.410%</td> </tr> <tr> <td>Next \$5 billion</td> <td>0.390%</td> </tr> <tr> <td>Any excess thereafter</td> <td>0.380%</td> </tr> </table>	The lesser of (i) 0.55%, or (ii) the following rates:		First \$500 million	0.650%	Next \$500 million	0.550%	Next \$500 million	0.500%	Next \$5 billion	0.450%	Next \$5 billion	0.425%	Next \$5 billion	0.410%	Next \$5 billion	0.390%	Any excess thereafter	0.380%	\$4,118,860 (Represents 0.72% of average net assets) [#]	No	As high a level of current income free from federal income tax as Putnam Management believes is consistent with the preservation of capital.						
The lesser of (i) 0.55%, or (ii) the following rates:																													
First \$500 million	0.650%																												
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PUTNAM NEW JERSEY TAX EXEMPT INCOME FUND	\$291,506,902	<table border="0"> <tr> <td>First \$5 billion of Total Open-End Mutual Fund Average Net Assets</td> <td>0.590%</td> </tr> <tr> <td>Next \$5 billion</td> <td>0.540%</td> </tr> <tr> <td>Next \$10 billion</td> <td>0.490%</td> </tr> <tr> <td>Next \$10 billion</td> <td>0.440%</td> </tr> <tr> <td>Next \$50 billion</td> <td>0.390%</td> </tr> <tr> <td>Next \$50 billion</td> <td>0.370%</td> </tr> <tr> <td>Next \$100 billion</td> <td>0.360%</td> </tr> <tr> <td>Any excess thereafter</td> <td>0.355%</td> </tr> </table>	First \$5 billion of Total Open-End Mutual Fund Average Net Assets	0.590%	Next \$5 billion	0.540%	Next \$10 billion	0.490%	Next \$10 billion	0.440%	Next \$50 billion	0.390%	Next \$50 billion	0.370%	Next \$100 billion	0.360%	Any excess thereafter	0.355%	\$1,277,096 (Represents 0.44% of average net assets)	Yes	As high a level of current income exempt from federal income tax and New Jersey personal income tax as Putnam Management believes is consistent with preservation of capital.								
First \$5 billion of Total Open-End Mutual Fund Average Net Assets	0.590%																												
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Fund	Net Assets as of FYE ¹	Current Management Fee Schedule	Amount of Management Fee Paid in the Most Recent Fiscal Year (after applicable waivers, performance adjustments and reimbursements, if any)(\$)	Has compensation been waived, reduced or otherwise agreed to be reduced under any applicable contract?	Current Investment Objective																												
PUTNAM NEW YORK TAX EXEMPT INCOME FUND	\$1,313,387,219	<table border="0"> <tr> <td>First \$5 billion of Total Open-End Mutual Fund Average Net Assets</td> <td>0.590%</td> </tr> <tr> <td>Next \$5 billion</td> <td>0.540%</td> </tr> <tr> <td>Next \$10 billion</td> <td>0.490%</td> </tr> <tr> <td>Next \$10 billion</td> <td>0.440%</td> </tr> <tr> <td>Next \$50 billion</td> <td>0.390%</td> </tr> <tr> <td>Next \$50 billion</td> <td>0.370%</td> </tr> <tr> <td>Next \$100 billion</td> <td>0.360%</td> </tr> <tr> <td>Any excess thereafter</td> <td>0.355%</td> </tr> </table>	First \$5 billion of Total Open-End Mutual Fund Average Net Assets	0.590%	Next \$5 billion	0.540%	Next \$10 billion	0.490%	Next \$10 billion	0.440%	Next \$50 billion	0.390%	Next \$50 billion	0.370%	Next \$100 billion	0.360%	Any excess thereafter	0.355%	\$5,479,662 (Represents 0.45% of average net assets)	Yes	As high a level of current income exempt from federal income tax and New York State and City personal income taxes as Putnam Management believes is consistent with preservation of capital.												
First \$5 billion of Total Open-End Mutual Fund Average Net Assets	0.590%																																
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PUTNAM OHIO TAX EXEMPT INCOME FUND	\$162,973,095	<table border="0"> <tr> <td>First \$5 billion of Total Open-End Mutual Fund Average Net Assets</td> <td>0.590%</td> </tr> <tr> <td>Next \$5 billion</td> <td>0.540%</td> </tr> <tr> <td>Next \$10 billion</td> <td>0.490%</td> </tr> <tr> <td>Next \$10 billion</td> <td>0.440%</td> </tr> <tr> <td>Next \$50 billion</td> <td>0.390%</td> </tr> <tr> <td>Next \$50 billion</td> <td>0.370%</td> </tr> <tr> <td>Next \$100 billion</td> <td>0.360%</td> </tr> <tr> <td>Any excess thereafter</td> <td>0.355%</td> </tr> </table>	First \$5 billion of Total Open-End Mutual Fund Average Net Assets	0.590%	Next \$5 billion	0.540%	Next \$10 billion	0.490%	Next \$10 billion	0.440%	Next \$50 billion	0.390%	Next \$50 billion	0.370%	Next \$100 billion	0.360%	Any excess thereafter	0.355%	\$720,433 (Represents 0.44% of average net assets)	Yes	As high a level of current income exempt from federal income tax and Ohio personal income tax as Putnam Management believes is consistent with preservation of capital.												
First \$5 billion of Total Open-End Mutual Fund Average Net Assets	0.590%																																
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Any excess thereafter	0.355%																																
PUTNAM PENNSYLVANIA TAX EXEMPT INCOME FUND	\$245,528,782	<table border="0"> <tr> <td>First \$5 billion of Total Open-End Mutual Fund Average Net Assets</td> <td>0.590%</td> </tr> <tr> <td>Next \$5 billion</td> <td>0.540%</td> </tr> <tr> <td>Next \$10 billion</td> <td>0.490%</td> </tr> <tr> <td>Next \$10 billion</td> <td>0.440%</td> </tr> <tr> <td>Next \$50 billion</td> <td>0.390%</td> </tr> <tr> <td>Next \$50 billion</td> <td>0.370%</td> </tr> <tr> <td>Next \$100 billion</td> <td>0.360%</td> </tr> <tr> <td>Any excess thereafter</td> <td>0.355%</td> </tr> </table>	First \$5 billion of Total Open-End Mutual Fund Average Net Assets	0.590%	Next \$5 billion	0.540%	Next \$10 billion	0.490%	Next \$10 billion	0.440%	Next \$50 billion	0.390%	Next \$50 billion	0.370%	Next \$100 billion	0.360%	Any excess thereafter	0.355%	\$1,105,281 (Represents 0.44% of average net assets)	Yes	As high a level of current income exempt from federal income tax and Pennsylvania personal income tax as Putnam Management believes is consistent with preservation of capital.												
First \$5 billion of Total Open-End Mutual Fund Average Net Assets	0.590%																																
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Next \$100 billion	0.360%																																
Any excess thereafter	0.355%																																
PUTNAM PREMIER INCOME TRUST	\$825,433,303	<table border="0"> <tr> <td>First \$500 million</td> <td>0.750%</td> </tr> <tr> <td>Next \$500 million</td> <td>0.650%</td> </tr> <tr> <td>Next \$500 million</td> <td>0.600%</td> </tr> <tr> <td>Next \$5 billion</td> <td>0.550%</td> </tr> <tr> <td>Next \$5 billion</td> <td>0.525%</td> </tr> <tr> <td>Next \$5 billion</td> <td>0.505%</td> </tr> <tr> <td>Next \$5 billion</td> <td>0.490%</td> </tr> <tr> <td>Next \$5 billion</td> <td>0.480%</td> </tr> <tr> <td>Next \$5 billion</td> <td>0.470%</td> </tr> <tr> <td>Next \$5 billion</td> <td>0.460%</td> </tr> <tr> <td>Next \$5 billion</td> <td>0.450%</td> </tr> <tr> <td>Next \$5 billion</td> <td>0.440%</td> </tr> <tr> <td>Next \$8.5 billion</td> <td>0.430%</td> </tr> <tr> <td>Any excess thereafter</td> <td>0.420%</td> </tr> </table>	First \$500 million	0.750%	Next \$500 million	0.650%	Next \$500 million	0.600%	Next \$5 billion	0.550%	Next \$5 billion	0.525%	Next \$5 billion	0.505%	Next \$5 billion	0.490%	Next \$5 billion	0.480%	Next \$5 billion	0.470%	Next \$5 billion	0.460%	Next \$5 billion	0.450%	Next \$5 billion	0.440%	Next \$8.5 billion	0.430%	Any excess thereafter	0.420%	\$5,947,565 (Represents 0.71% of average net assets)	No	High current income.
First \$500 million	0.750%																																
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Any excess thereafter	0.420%																																
PUTNAM RESEARCH FUND	\$239,585,789	<table border="0"> <tr> <td>First \$5 billion of Total Open-End Mutual Fund Average Net Assets</td> <td>0.710%</td> </tr> <tr> <td>Next \$5 billion</td> <td>0.660%</td> </tr> <tr> <td>Next \$10 billion</td> <td>0.610%</td> </tr> <tr> <td>Next \$10 billion</td> <td>0.560%</td> </tr> <tr> <td>Next \$50 billion</td> <td>0.510%</td> </tr> <tr> <td>Next \$50 billion</td> <td>0.490%</td> </tr> <tr> <td>Next \$100 billion</td> <td>0.480%</td> </tr> <tr> <td>Any excess thereafter</td> <td>0.475%</td> </tr> </table>	First \$5 billion of Total Open-End Mutual Fund Average Net Assets	0.710%	Next \$5 billion	0.660%	Next \$10 billion	0.610%	Next \$10 billion	0.560%	Next \$50 billion	0.510%	Next \$50 billion	0.490%	Next \$100 billion	0.480%	Any excess thereafter	0.475%	\$1,251,275 (Represents 0.56% of average net assets)	Yes	Capital appreciation.												
First \$5 billion of Total Open-End Mutual Fund Average Net Assets	0.710%																																
Next \$5 billion	0.660%																																
Next \$10 billion	0.610%																																
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Next \$100 billion	0.480%																																
Any excess thereafter	0.475%																																
PUTNAM RETIREMENT-READY 2055 FUND	\$1,273,134	N/A	N/A	Yes	Capital appreciation and current income consistent with a decreasing emphasis on capital appreciation and an increasing emphasis on current income as it approaches its target date.																												

Fund	Net Assets as of FYE ¹	Current Management Fee Schedule		Amount of Management Fee Paid in the Most Recent Fiscal Year (after applicable waivers, performance adjustments and reimbursements, if any)(\$)	Has compensation been waived, reduced or otherwise agreed to be reduced under any applicable contract?	Current Investment Objective
PUTNAM RETIREMENT-READY 2050 FUND	\$10,658,409	N/A	N/A	N/A	Yes	Capital appreciation and current income consistent with a decreasing emphasis on capital appreciation and an increasing emphasis on current income as it approaches its target date.
PUTNAM RETIREMENT-READY 2045 FUND	\$14,805,075	N/A	N/A	N/A	Yes	Capital appreciation and current income consistent with a decreasing emphasis on capital appreciation and an increasing emphasis on current income as it approaches its target date.
PUTNAM RETIREMENT-READY 2040 FUND	\$20,912,345	N/A	N/A	N/A	Yes	Capital appreciation and current income consistent with a decreasing emphasis on capital appreciation and an increasing emphasis on current income as it approaches its target date.
PUTNAM RETIREMENT-READY 2035 FUND	\$30,110,450	N/A	N/A	N/A	Yes	Capital appreciation and current income consistent with a decreasing emphasis on capital appreciation and an increasing emphasis on current income as it approaches its target date.
PUTNAM RETIREMENT-READY 2030 FUND	\$39,575,932	N/A	N/A	N/A	Yes	Capital appreciation and current income consistent with a decreasing emphasis on capital appreciation and an increasing emphasis on current income as it approaches its target date.
PUTNAM RETIREMENT-READY 2025 FUND	\$42,575,319	N/A	N/A	N/A	Yes	Capital appreciation and current income consistent with a decreasing emphasis on capital appreciation and an increasing emphasis on current income as it approaches its target date.
PUTNAM RETIREMENT-READY 2020 FUND	\$36,670,899	N/A	N/A	N/A	Yes	Capital appreciation and current income consistent with a decreasing emphasis on capital appreciation and an increasing emphasis on current income as it approaches its target date.

Fund	Net Assets as of FYE ¹	Current Management Fee Schedule		Amount of Management Fee Paid in the Most Recent Fiscal Year (after applicable waivers, performance adjustments and reimbursements, if any)(\$)	Has compensation been waived, reduced or otherwise agreed to be reduced under any applicable contract?	Current Investment Objective
PUTNAM RETIREMENT-READY 2015 FUND	\$25,087,950	N/A	N/A	N/A	Yes	Capital appreciation and current income consistent with a decreasing emphasis on capital appreciation and an increasing emphasis on current income as it approaches its target date.
PUTNAM RETIREMENT INCOME FUND LIFESTYLE 1	\$24,075,849	N/A	N/A	N/A	Yes	As high a rate of current income as Putnam Management believes is consistent with preservation of capital.
PUTNAM RETIREMENT INCOME FUND LIFESTYLE 2	\$12,495,315	First \$5 billion of Total Open-End Mutual Fund Average Net Assets	0.680%	\$0 (Represents 0.00% of average net assets)	Yes	Current Income consistent with what Putnam Management believes to be prudent risk.
		Next \$5 billion	0.630%			
		Next \$10 billion	0.580%			
		Next \$10 billion	0.530%			
		Next \$50 billion	0.480%			
		Next \$50 billion	0.460%			
		Next \$100 billion	0.450%			
		Any excess thereafter	0.445%			
PUTNAM RETIREMENT INCOME FUND LIFESTYLE 3	\$16,414,733	First \$5 billion of Total Open-End Mutual Fund Average Net Assets	0.680%	\$0 (Represents 0.00% of average net assets)	Yes	Current Income consistent with what Putnam Management believes to be prudent risk. Its secondary objective is capital appreciation.
		Next \$5 billion	0.630%			
		Next \$10 billion	0.580%			
		Next \$10 billion	0.530%			
		Next \$50 billion	0.480%			
		Next \$50 billion	0.460%			
		Next \$100 billion	0.450%			
		Any excess thereafter	0.445%			
PUTNAM SHORT DURATION INCOME FUND	\$1,151,155,979	First \$5 billion of Total Open-End Mutual Fund Average Net Assets	0.500%	\$1,293,633 (Represents 0.21% of average net assets)	Yes	As high a rate of current income as Putnam Management believes is consistent with preservation of capital and maintenance of liquidity.
		Next \$5 billion	0.450%			
		Next \$10 billion	0.400%			
		Next \$10 billion	0.350%			
		Next \$50 billion	0.300%			
		Next \$50 billion	0.280%			
		Next \$100 billion	0.270%			
		Any excess thereafter	0.265%			
PUTNAM SHORT TERM INVESTMENT FUND	\$2,682,410,580	of Average net assets	0.25%	\$0 (Represents 0.00% of average net assets)	Yes	As high a rate of current income as Putnam Management believes is consistent with preservation of capital and maintenance of liquidity.
PUTNAM SHORT-TERM MUNICIPAL INCOME FUND	\$11,121,856 ⁽³⁾	First \$5 billion of Total Open-End Mutual Fund Average Net Assets	0.500%	\$ — ⁽²⁾	Yes	As high a level of current income exempt from federal income tax as Putnam Management believes is consistent with preservation of capital.
		Next \$5 billion	0.450%			
		Next \$10 billion	0.400%			
		Next \$10 billion	0.350%			
		Next \$50 billion	0.300%			
		Next \$50 billion	0.280%			
		Next \$100 billion	0.270%			
		Any excess thereafter	0.265%			

Fund	Net Assets as of FYE ¹	Current Management Fee Schedule	Amount of Management Fee Paid in the Most Recent Fiscal Year (after applicable waivers, performance adjustments and reimbursements, if any)(\$)	Has compensation been waived, reduced or otherwise agreed to be reduced under any applicable contract?	Current Investment Objective
PUTNAM SMALL CAP GROWTH FUND	\$127,856,487	<p>First \$5 billion of Total Open-End Mutual Fund Average Net Assets 0.780%</p> <p>Next \$5 billion 0.730%</p> <p>Next \$10 billion 0.680%</p> <p>Next \$10 billion 0.630%</p> <p>Next \$50 billion 0.580%</p> <p>Next \$50 billion 0.560%</p> <p>Next \$100 billion 0.550%</p> <p>Any excess thereafter 0.545%</p> <p>Benchmark: Russell 2000 Growth Index</p> <p>Hurdle: N/A</p> <p>Maximum Performance Adjustment Rate: 0.18%</p> <p>Minimum Performance Adjustment Rate: -0.18%</p>	\$710,052 (Represents 0.60% of average net assets)	Yes	Capital appreciation.
PUTNAM SMALL CAP VALUE FUND	\$168,319,734	<p>First \$5 billion of Total Open-End Mutual Fund Average Net Assets 0.780%</p> <p>Next \$5 billion 0.730%</p> <p>Next \$10 billion 0.680%</p> <p>Next \$10 billion 0.630%</p> <p>Next \$50 billion 0.580%</p> <p>Next \$50 billion 0.560%</p> <p>Next \$100 billion 0.550%</p> <p>Any excess thereafter 0.545%</p>	\$1,004,942 (Represents 0.64% of average net assets)	Yes	Capital appreciation.
PUTNAM STRATEGIC VOLATILITY EQUITY FUND	\$4,015,264	<p>First \$5 billion of Total Open-End Mutual Fund Average Net Assets 0.880%</p> <p>Next \$5 billion 0.830%</p> <p>Next \$10 billion 0.780%</p> <p>Next \$10 billion 0.730%</p> <p>Next \$50 billion 0.680%</p> <p>Next \$50 billion 0.660%</p> <p>Next \$100 billion 0.650%</p> <p>Any excess thereafter 0.645%</p> <p>Benchmark: S&P 500 Index</p> <p>Hurdle: N/A</p> <p>Maximum Performance Adjustment Rate: 0.15%</p> <p>Minimum Performance Adjustment Rate: -0.15%</p>	\$0 (Represents 0.00% of average net assets)	Yes	Total return in excess of that of the U.S. equity markets, but with comparable volatility.
PUTNAM TAX EXEMPT INCOME FUND	\$1,043,075,360	<p>First \$5 billion of Total Open-End Mutual Fund Average Net Assets 0.590%</p> <p>Next \$5 billion 0.540%</p> <p>Next \$10 billion 0.490%</p> <p>Next \$10 billion 0.440%</p> <p>Next \$50 billion 0.390%</p> <p>Next \$50 billion 0.370%</p> <p>Next \$100 billion 0.360%</p> <p>Any excess thereafter 0.355%</p>	\$5,249,245 (Represents 0.44% of average net assets)	Yes	As high a level of current income exempt from federal income tax as Putnam Management believes is consistent with preservation of capital.

Fund	Net Assets as of FYE ¹	Current Management Fee Schedule	Amount of Management Fee Paid in the Most Recent Fiscal Year (after applicable waivers, performance adjustments and reimbursements, if any)(\$)	Has compensation been waived, reduced or otherwise agreed to be reduced under any applicable contract?	Current Investment Objective																								
PUTNAM TAX EXEMPT MONEY MARKET FUND	\$42,599,913	<table> <tr><td>First \$5 billion of Total Open-End Mutual Fund Average Net Assets</td><td>0.440%</td></tr> <tr><td>Next \$5 billion</td><td>0.390%</td></tr> <tr><td>Next \$10 billion</td><td>0.340%</td></tr> <tr><td>Next \$10 billion</td><td>0.290%</td></tr> <tr><td>Next \$50 billion</td><td>0.240%</td></tr> <tr><td>Next \$50 billion</td><td>0.220%</td></tr> <tr><td>Next \$100 billion</td><td>0.210%</td></tr> <tr><td>Any excess thereafter</td><td>0.205%</td></tr> </table>	First \$5 billion of Total Open-End Mutual Fund Average Net Assets	0.440%	Next \$5 billion	0.390%	Next \$10 billion	0.340%	Next \$10 billion	0.290%	Next \$50 billion	0.240%	Next \$50 billion	0.220%	Next \$100 billion	0.210%	Any excess thereafter	0.205%	\$0 (Represents 0.00% of average net assets)	Yes	As high a rate of current income exempt from federal income tax as Putnam Management believes is consistent with preservation of capital and maintenance of liquidity.								
First \$5 billion of Total Open-End Mutual Fund Average Net Assets	0.440%																												
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PUTNAM TAX-FREE HIGH YIELD FUND	\$986,169,531	<table> <tr><td>First \$5 billion of Total Open-End Mutual Fund Average Net Assets</td><td>0.630%</td></tr> <tr><td>Next \$5 billion</td><td>0.580%</td></tr> <tr><td>Next \$10 billion</td><td>0.530%</td></tr> <tr><td>Next \$10 billion</td><td>0.480%</td></tr> <tr><td>Next \$50 billion</td><td>0.430%</td></tr> <tr><td>Next \$50 billion</td><td>0.410%</td></tr> <tr><td>Next \$100 billion</td><td>0.400%</td></tr> <tr><td>Any excess thereafter</td><td>0.395%</td></tr> </table>	First \$5 billion of Total Open-End Mutual Fund Average Net Assets	0.630%	Next \$5 billion	0.580%	Next \$10 billion	0.530%	Next \$10 billion	0.480%	Next \$50 billion	0.430%	Next \$50 billion	0.410%	Next \$100 billion	0.400%	Any excess thereafter	0.395%	\$5,642,898 (Represents 0.48% of average net assets)	Yes	High current income exempt from federal income tax.								
First \$5 billion of Total Open-End Mutual Fund Average Net Assets	0.630%																												
Next \$5 billion	0.580%																												
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Any excess thereafter	0.395%																												
PUTNAM U.S. GOVERNMENT INCOME TRUST	\$1,216,869,750	<table> <tr><td>First \$5 billion of Total Open-End Mutual Fund Average Net Assets</td><td>0.550%</td></tr> <tr><td>Next \$5 billion</td><td>0.500%</td></tr> <tr><td>Next \$10 billion</td><td>0.450%</td></tr> <tr><td>Next \$10 billion</td><td>0.400%</td></tr> <tr><td>Next \$50 billion</td><td>0.350%</td></tr> <tr><td>Next \$50 billion</td><td>0.330%</td></tr> <tr><td>Next \$100 billion</td><td>0.320%</td></tr> <tr><td>Any excess thereafter</td><td>0.315%</td></tr> </table>	First \$5 billion of Total Open-End Mutual Fund Average Net Assets	0.550%	Next \$5 billion	0.500%	Next \$10 billion	0.450%	Next \$10 billion	0.400%	Next \$50 billion	0.350%	Next \$50 billion	0.330%	Next \$100 billion	0.320%	Any excess thereafter	0.315%	\$5,771,426 (Represents 0.40% of average net assets)	Yes	As high a level of current income as Putnam Management believes is consistent with preservation of capital.								
First \$5 billion of Total Open-End Mutual Fund Average Net Assets	0.550%																												
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Any excess thereafter	0.315%																												
PUTNAM VOYAGER FUND	\$3,758,223,225	<table> <tr><td>First \$5 billion of Total Open-End Mutual Fund Average Net Assets</td><td>0.710%</td></tr> <tr><td>Next \$5 billion</td><td>0.660%</td></tr> <tr><td>Next \$10 billion</td><td>0.610%</td></tr> <tr><td>Next \$10 billion</td><td>0.560%</td></tr> <tr><td>Next \$50 billion</td><td>0.510%</td></tr> <tr><td>Next \$50 billion</td><td>0.490%</td></tr> <tr><td>Next \$100 billion</td><td>0.480%</td></tr> <tr><td>Any excess thereafter</td><td>0.475%</td></tr> <tr><td>Benchmark:</td><td>Russell 1000 Growth Index</td></tr> <tr><td>Hurdle:</td><td>N/A</td></tr> <tr><td>Maximum Performance Adjustment Rate:</td><td>0.12%</td></tr> <tr><td>Minimum Performance Adjustment Rate:</td><td>-0.12%</td></tr> </table>	First \$5 billion of Total Open-End Mutual Fund Average Net Assets	0.710%	Next \$5 billion	0.660%	Next \$10 billion	0.610%	Next \$10 billion	0.560%	Next \$50 billion	0.510%	Next \$50 billion	0.490%	Next \$100 billion	0.480%	Any excess thereafter	0.475%	Benchmark:	Russell 1000 Growth Index	Hurdle:	N/A	Maximum Performance Adjustment Rate:	0.12%	Minimum Performance Adjustment Rate:	-0.12%	\$15,286,375 (Represents 0.43% of average net assets)	Yes	Capital appreciation.
First \$5 billion of Total Open-End Mutual Fund Average Net Assets	0.710%																												
Next \$5 billion	0.660%																												
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PUTNAM VT ABSOLUTE RETURN 500 FUND	\$17,856,955	<table> <tr><td>First \$5 billion of Total Open-End Mutual Fund Average Net Assets</td><td>0.880%</td></tr> <tr><td>Next \$5 billion</td><td>0.830%</td></tr> <tr><td>Next \$10 billion</td><td>0.780%</td></tr> <tr><td>Next \$10 billion</td><td>0.730%</td></tr> <tr><td>Next \$50 billion</td><td>0.680%</td></tr> <tr><td>Next \$50 billion</td><td>0.660%</td></tr> <tr><td>Next \$100 billion</td><td>0.650%</td></tr> <tr><td>Any excess thereafter</td><td>0.645%</td></tr> </table>	First \$5 billion of Total Open-End Mutual Fund Average Net Assets	0.880%	Next \$5 billion	0.830%	Next \$10 billion	0.780%	Next \$10 billion	0.730%	Next \$50 billion	0.680%	Next \$50 billion	0.660%	Next \$100 billion	0.650%	Any excess thereafter	0.645%	\$0 (Represents 0.00% of average net assets)	Yes	To earn a positive return that exceeds the rate of inflation by 5% over a reasonable period of time, regardless of market conditions.								
First \$5 billion of Total Open-End Mutual Fund Average Net Assets	0.880%																												
Next \$5 billion	0.830%																												
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Fund	Net Assets as of FYE ¹	Current Management Fee Schedule	Amount of Management Fee Paid in the Most Recent Fiscal Year (after applicable waivers, performance adjustments and reimbursements, if any)(\$)	Has compensation been waived, reduced or otherwise agreed to be reduced under any applicable contract?	Current Investment Objective
PUTNAM VT AMERICAN GOVERNMENT INCOME FUND	\$115,123,322	First \$5 billion of Total Open-End Mutual Fund Average Net Assets 0.550% Next \$5 billion 0.500% Next \$10 billion 0.450% Next \$10 billion 0.400% Next \$50 billion 0.350% Next \$50 billion 0.330% Next \$100 billion 0.320% Any excess thereafter 0.315%	\$505,029 (Represents 0.41% of average net assets)	Yes	High current income with preservation of capital as its secondary objective.
PUTNAM VT CAPITAL OPPORTUNITIES FUND	\$30,538,729	First \$5 billion of Total Open-End Mutual Fund Average Net Assets 0.780% Next \$5 billion 0.730% Next \$10 billion 0.680% Next \$10 billion 0.630% Next \$50 billion 0.580% Next \$50 billion 0.560% Next \$100 billion 0.550% Any excess thereafter 0.545%	\$207,222 (Represents 0.64% of average net assets)	Yes	Long-term growth of capital.
PUTNAM VT DIVERSIFIED INCOME FUND	\$447,542,301	First \$5 billion of Total Open-End Mutual Fund Average Net Assets 0.700% Next \$5 billion 0.650% Next \$10 billion 0.600% Next \$10 billion 0.550% Next \$50 billion 0.500% Next \$50 billion 0.480% Next \$100 billion 0.470% Any excess thereafter 0.465%	\$2,532,568 (Represents 0.56% of average net assets)	Yes	As high a level of current income as Putnam Management believes is consistent with preservation of capital.
PUTNAM VT EQUITY INCOME FUND	\$387,269,715	First \$5 billion of Total Open-End Mutual Fund Average Net Assets 0.630% Next \$5 billion 0.580% Next \$10 billion 0.530% Next \$10 billion 0.480% Next \$50 billion 0.430% Next \$50 billion 0.410% Next \$100 billion 0.400% Any excess thereafter 0.395%	\$1,806,301 (Represents 0.49% of average net assets)	Yes	Capital growth and current income.
PUTNAM VT GEORGE PUTNAM BALANCED FUND	\$173,285,587	First \$5 billion of Total Open-End Mutual Fund Average Net Assets 0.680% Next \$5 billion 0.630% Next \$10 billion 0.580% Next \$10 billion 0.530% Next \$50 billion 0.480% Next \$50 billion 0.460% Next \$100 billion 0.450% Any excess thereafter 0.445%	\$956,470 (Represents 0.54% of average net assets)	Yes	Both capital growth and current income.
PUTNAM VT GLOBAL ASSET ALLOCATION FUND	\$207,408,095	First \$5 billion of Total Open-End Mutual Fund Average Net Assets 0.750% Next \$5 billion 0.700% Next \$10 billion 0.650% Next \$10 billion 0.600% Next \$50 billion 0.550% Next \$50 billion 0.530% Next \$100 billion 0.520% Any excess thereafter 0.515%	\$1,280,104 (Represents 0.61% of average net assets)	Yes	Long-term return consistent with preservation of capital.

Fund	Net Assets as of FYE ¹	Current Management Fee Schedule	Amount of Management Fee Paid in the Most Recent Fiscal Year (after applicable waivers, performance adjustments and reimbursements, if any)(\$)	Has compensation been waived, reduced or otherwise agreed to be reduced under any applicable contract?	Current Investment Objective
PUTNAM VT GLOBAL EQUITY FUND	\$198,411,625	First \$5 billion of Total Open-End Mutual Fund Average Net Assets 0.850% Next \$5 billion 0.800% Next \$10 billion 0.750% Next \$10 billion 0.700% Next \$50 billion 0.650% Next \$50 billion 0.630% Next \$100 billion 0.620% Any excess thereafter 0.615%	\$1,394,894 (Represents 0.71% of average net assets)	Yes	Capital appreciation.
PUTNAM VT GLOBAL HEALTH CARE FUND	\$108,742,159	First \$5 billion of Total Open-End Mutual Fund Average Net Assets 0.780% Next \$5 billion 0.730% Next \$10 billion 0.680% Next \$10 billion 0.630% Next \$50 billion 0.580% Next \$50 billion 0.560% Next \$100 billion 0.550% Any excess thereafter 0.545%	\$663,474 (Represents 0.64% of average net assets)	Yes	Capital appreciation.
PUTNAM VT GLOBAL UTILITIES FUND	\$106,250,504	First \$5 billion of Total Open-End Mutual Fund Average Net Assets 0.780% Next \$5 billion 0.730% Next \$10 billion 0.680% Next \$10 billion 0.630% Next \$50 billion 0.580% Next \$50 billion 0.560% Next \$100 billion 0.550% Any excess thereafter 0.545%	\$724,377 (Represents 0.64% of average net assets)	Yes	Capital growth and current income.
PUTNAM VT GROWTH AND INCOME FUND	\$1,160,083,119	First \$5 billion of Total Open-End Mutual Fund Average Net Assets 0.630% Next \$5 billion 0.580% Next \$10 billion 0.530% Next \$10 billion 0.480% Next \$50 billion 0.430% Next \$50 billion 0.410% Next \$100 billion 0.400% Any excess thereafter 0.395%	\$5,691,727 (Represents 0.49% of average net assets)	Yes	Capital growth and current income.
PUTNAM VT GROWTH OPPORTUNITIES FUND	\$25,163,523	First \$5 billion of Total Open-End Mutual Fund Average Net Assets 0.710% Next \$5 billion 0.660% Next \$10 billion 0.610% Next \$10 billion 0.560% Next \$50 billion 0.510% Next \$50 billion 0.490% Next \$100 billion 0.480% Any excess thereafter 0.475%	\$120,564 (Represents 0.47% of average net assets)	Yes	Capital appreciation.
PUTNAM VT HIGH YIELD FUND	\$397,577,870	First \$5 billion of Total Open-End Mutual Fund Average Net Assets 0.720% Next \$5 billion 0.670% Next \$10 billion 0.620% Next \$10 billion 0.570% Next \$50 billion 0.520% Next \$50 billion 0.500% Next \$100 billion 0.490% Any excess thereafter 0.485%	\$2,293,594 (Represents 0.58% of average net assets)	Yes	High current income. Capital growth is a secondary goal when consistent with achieving high current income.

Fund	Net Assets as of FYE ¹	Current Management Fee Schedule	Amount of Management Fee Paid in the Most Recent Fiscal Year (after applicable waivers, performance adjustments and reimbursements, if any)(\$)	Has compensation been waived, reduced or otherwise agreed to be reduced under any applicable contract?	Current Investment Objective
PUTNAM VT INCOME FUND	\$379,960,720	First \$5 billion of Total Open-End Mutual Fund Average Net Assets 0.550% Next \$5 billion 0.500% Next \$10 billion 0.450% Next \$10 billion 0.400% Next \$50 billion 0.350% Next \$50 billion 0.330% Next \$100 billion 0.320% Any excess thereafter 0.315%	\$1,576,095 (Represents 0.41% of average net assets)	Yes	High current income consistent with what Putnam Management believes to be prudent risk.
PUTNAM VT INTERNATIONAL EQUITY FUND	\$415,527,777	First \$5 billion of Total Open-End Mutual Fund Average Net Assets 0.850% Next \$5 billion 0.800% Next \$10 billion 0.750% Next \$10 billion 0.700% Next \$50 billion 0.650% Next \$50 billion 0.630% Next \$100 billion 0.620% Any excess thereafter 0.615%	\$2,946,769 (Represents 0.71% of average net assets)	Yes	Capital appreciation.
PUTNAM VT INTERNATIONAL GROWTH FUND	\$56,149,361	First \$5 billion of Total Open-End Mutual Fund Average Net Assets 1.080% Next \$5 billion 1.030% Next \$10 billion 0.980% Next \$10 billion 0.930% Next \$50 billion 0.880% Next \$50 billion 0.860% Next \$100 billion 0.850% Any excess thereafter 0.845%	\$497,013 (Represents 0.89% of average net assets)	Yes	Long-term capital appreciation.
PUTNAM VT INTERNATIONAL VALUE FUND	\$110,343,401	First \$5 billion of Total Open-End Mutual Fund Average Net Assets 0.850% Next \$5 billion 0.800% Next \$10 billion 0.750% Next \$10 billion 0.700% Next \$50 billion 0.650% Next \$50 billion 0.630% Next \$100 billion 0.620% Any excess thereafter 0.615%	\$774,643 (Represents 0.71% of average net assets)	Yes	Capital growth. Current income is a secondary objective.
PUTNAM VT INVESTORS FUND	\$219,457,136	First \$5 billion of Total Open-End Mutual Fund Average Net Assets 0.710% Next \$5 billion 0.660% Next \$10 billion 0.610% Next \$10 billion 0.560% Next \$50 billion 0.510% Next \$50 billion 0.490% Next \$100 billion 0.480% Any excess thereafter 0.475%	\$1,305,080 (Represents 0.57% of average net assets)	Yes	Long-term growth of capital and any increased income that results from this growth.
PUTNAM VT MONEY MARKET FUND	\$214,045,425	First \$5 billion of Total Open-End Mutual Fund Average Net Assets 0.440% Next \$5 billion 0.390% Next \$10 billion 0.340% Next \$10 billion 0.290% Next \$50 billion 0.240% Next \$50 billion 0.220% Next \$100 billion 0.210% Any excess thereafter 0.205%	\$164,496 (Represents 0.07% of average net assets)	Yes	As high a rate of current income as Putnam Management believes is consistent with preservation of capital and maintenance of liquidity.

Fund	Net Assets as of FYE ¹	Current Management Fee Schedule		Amount of Management Fee Paid in the Most Recent Fiscal Year (after applicable waivers, performance adjustments and reimbursements, if any)(\$)	Has compensation been waived, reduced or otherwise agreed to be reduced under any applicable contract?	Current Investment Objective
PUTNAM VT MULTI-CAP GROWTH FUND	\$647,648,573	First \$5 billion of Total Open-End Mutual Fund Average Net Assets	0.710%	\$3,787,974 (Represents 0.57% of average net assets)	Yes	Long-term capital appreciation.
		Next \$5 billion	0.660%			
		Next \$10 billion	0.610%			
		Next \$10 billion	0.560%			
		Next \$50 billion	0.510%			
		Next \$50 billion	0.490%			
		Next \$100 billion	0.480%			
		Any excess thereafter	0.475%			
PUTNAM VT MULTI-CAP VALUE FUND	\$34,275,564	First \$5 billion of Total Open-End Mutual Fund Average Net Assets	0.710%	\$195,889 (Represents 0.57% of average net assets)	Yes	Capital appreciation and, as a secondary objective, current income.
		Next \$5 billion	0.660%			
		Next \$10 billion	0.610%			
		Next \$10 billion	0.560%			
		Next \$50 billion	0.510%			
		Next \$50 billion	0.490%			
		Next \$100 billion	0.480%			
		Any excess thereafter	0.475%			
PUTNAM VT RESEARCH FUND	\$53,107,377	First \$5 billion of Total Open-End Mutual Fund Average Net Assets	0.710%	\$312,623 (Represents 0.57% of average net assets)	Yes	Capital appreciation.
		Next \$5 billion	0.660%			
		Next \$10 billion	0.610%			
		Next \$10 billion	0.560%			
		Next \$50 billion	0.510%			
		Next \$50 billion	0.490%			
		Next \$100 billion	0.480%			
		Any excess thereafter	0.475%			
PUTNAM VT SMALL CAP VALUE FUND	\$223,220,362	First \$5 billion of Total Open-End Mutual Fund Average Net Assets	0.780%	\$1,423,370 (Represents 0.64% of average net assets)	Yes	Capital appreciation.
		Next \$5 billion	0.730%			
		Next \$10 billion	0.680%			
		Next \$10 billion	0.630%			
		Next \$50 billion	0.580%			
		Next \$50 billion	0.560%			
		Next \$100 billion	0.550%			
		Any excess thereafter	0.545%			
PUTNAM VT VOYAGER FUND	\$762,329,456	First \$5 billion of Total Open-End Mutual Fund Average Net Assets	0.710%	\$4,579,947 (Represents 0.57% of average net assets)	Yes	Capital appreciation.
		Next \$5 billion	0.660%			
		Next \$10 billion	0.610%			
		Next \$10 billion	0.560%			
		Next \$50 billion	0.510%			
		Next \$50 billion	0.490%			
		Next \$100 billion	0.480%			
		Any excess thereafter	0.475%			

The following table contains certain information regarding funds for which Putnam Management provides investment advisory services as a sub-adviser.

Fund	Net Assets as of FYE ¹	Sub-Advisory Fee Rate	Amount of Sub-Advisory Fee Paid in the Most Recent Fiscal Year (\$)	Has compensation been waived, reduced or otherwise agreed to be reduced under any applicable contract?	Current Investment Objective	Fiscal Year
GREAT-WEST PUTNAM EQUITY INCOME FUND	\$368,406,499	First \$250 million 0.40% Next \$250 million 0.35% Any excess thereafter 0.30%	\$1,315,029	No	Capital growth and current income	12/31/12
GREAT-WEST PUTNAM HIGH YIELD BOND FUND	\$206,648,536	of all assets 0.35%	\$516,373	No	High current income with capital appreciation as a secondary objective when consistent with the primary objective	12/31/12
NVIT MULTI-MANAGER SMALL COMPANY FUND	\$460,752,586	First \$200 million 0.45% Any excess thereafter 0.40%	\$2,185,040 ⁽⁴⁾	No	Long-term growth of capital	12/31/12
SEASONS SERIES TRUST: ASSET ALLOCATION: DIVERSIFIED GROWTH PORTFOLIO	\$167,488,423	First \$150 million 0.55% Next \$150 million 0.50% Any excess thereafter 0.40%	\$762,394	Yes	Capital appreciation	3/31/13
SUNAMERICA SERIES TRUST: INTERNATIONAL GROWTH AND INCOME PORTFOLIO	\$338,815,905	First \$150 million 0.65% Next \$150 million 0.55% Any excess thereafter 0.45%	\$1,713,122	Yes	Growth of capital and, secondarily, current income	1/31/13

* MSCI publishes two versions of this index reflecting the reinvestment of dividends using two different methodologies: gross dividends and net dividends. While both versions reflect reinvested dividends, they differ with respect to the manner in which taxes associated with dividend payments are treated. In calculating the net dividends version, MSCI incorporates reinvested dividends applying the withholding tax rate applicable to foreign non-resident institutional investors that do not benefit from double taxation treaties. Putnam Management believes that the net dividends version better reflects the returns U.S. investors might expect were they to invest directly in the component securities of the index.

(1) Information provided as of most recently completed fiscal year prior to October 1, 2013.

(2) The fund has not experienced a fiscal year-end as of September 30, 2013.

(3) The net assets figure is based on assets as of the semi-annual period ended May 31, 2013 since this fund has not experienced a fiscal year-end since its inception.

(4) Putnam Management is one of four sub-advisers for this fund. The net assets and sub-advisory fees shown in this table reflect totals for all sub-advisers.

+ Effective July 1, 2011, the fund's benchmark index is the MSCI All Country Asia ex Japan Index (ND). Before July 1, 2011, the fund's benchmark index was the MSCI All Country Asia Pacific Index (ND). Because the performance adjustment is based on a rolling thirty-six month performance period (or, if shorter, the period from January 1, 2010 to the end of the month for which the fee adjustment is being computed), there is a transition period during which the fund's performance is compared to a composite index that reflects the performance of the previous index (MSCI All Country Asia Pacific Index (ND)) for the portion of the performance period before July 1, 2011, and the performance of the new index (MSCI All Country Asia ex-Japan Index (ND)) for the remainder of the period.

++ Effective July 1, 2011, the fund's benchmark index is the MSCI EAFE Value Index (ND). Before July 1, 2011, the fund's benchmark index was the S&P Developed/Ex-U.S. LargeMidCap Value Index. Because the performance adjustment is based on a rolling thirty-six month performance period (or, if shorter, the period from January 1, 2010 to the end of the month for which the fee adjustment is being computed), there is a transition period during which the fund's performance is compared to a composite index that reflects the performance of the previous index (S&P Developed/Ex-U.S. LargeMidCap Value Index) for the portion of the performance period before July 1, 2011, and the performance of the new index (MSCI EAFE Value Index (ND)) for the remainder of the period.

The management fee rate is expressed as a percentage of average net assets attributable to common shares of the fund.

Appendix E — Sub-Management and Sub-Advisory Contract

PUTNAM FUNDS SUB-MANAGEMENT CONTRACT

This Sub-Management Contract is dated as of July 1, 2013 between PUTNAM INVESTMENT MANAGEMENT, LLC, a Delaware limited liability company (the “Manager”) and PUTNAM INVESTMENTS LIMITED, a company organized under the laws of England and Wales (the “Sub-Manager”).

WHEREAS, the Manager is the investment manager of each of the investment companies registered under the United States Investment Company Act of 1940, as amended, that are identified on Schedule A hereto, as it may from time to time be amended by the Manager (the “Funds”), and a registered investment adviser under the United States Investment Advisers Act of 1940, as amended;

WHEREAS, the Sub-Manager is licensed as an investment manager by the Financial Conduct Authority of the United Kingdom (the “FCA”); and

WHEREAS, the Manager desires to engage the Sub-Manager from time to time to manage a portion of certain of the Funds:

NOW THEREFORE, in consideration of the mutual covenants herein contained, it is agreed as follows:

1. SERVICES TO BE RENDERED BY SUB-MANAGER.

(a) The Sub-Manager, at its expense, will furnish continuously an investment program for that portion of any Fund the management of which is allocated from time to time by the Manager to the Sub-Manager (an “Allocated Sleeve”). The Manager shall, in its sole discretion, determine which Funds will have an Allocated Sleeve and the amount of assets allocated from time to time to each such Allocated Sleeve; provided that, with respect to any Fund, the Trustees of such Fund must have approved the use of the Sub-Manager prior to the creation of an Allocated Sleeve for such Fund. The Sub-Manager will determine what investments shall be purchased, held, sold or exchanged by any Allocated Sleeve and what portion, if any, of the assets of the Allocated Sleeve shall be held uninvested and shall, on behalf of the Fund, make changes in the Fund’s investments held in such Allocated Sleeve.

(b) The Manager may also, at its discretion, request the Sub-Manager to provide assistance with purchasing and selling securities for any Fund, including the placement of orders with broker-dealers selected in accordance with Section 1(d), even if the Manager has not established an Allocated Sleeve for such Fund.

(c) The Sub-Manager at its expense will furnish all necessary investment and management facilities, including salaries of personnel, required for it to execute its duties faithfully.

(d) The Sub-Manager shall place all orders for the purchase and sale of portfolio investments for any Allocated Sleeve with brokers or dealers selected by the Sub-Manager. In the selection

of such brokers or dealers and the placing of such orders, the Sub-Manager shall use its best efforts to obtain for the related Fund the most favorable price and execution available, except to the extent it may be permitted to pay higher brokerage commissions for brokerage and research services as described below. In using its best efforts to obtain for the Fund the most favorable price and execution available, the Sub-Manager, bearing in mind the Fund’s best interests at all times, shall consider all factors it deems relevant, including by way of illustration, price, the size of the transaction, the nature of the market for the security, the amount of the commission, the timing of the transaction taking into account market prices and trends, the reputation, experience and financial stability of the broker or dealer involved and the quality of service rendered by the broker or dealer in other transactions. Subject to such policies as the Trustees of the Funds may determine, the Sub-Manager shall not be deemed to have acted unlawfully or to have breached any duty created by this Contract or otherwise solely by reason of its having caused a Fund to pay a broker or dealer that provides brokerage and research services to the Manager or the Sub-Manager an amount of commission for effecting a portfolio investment transaction in excess of the amount of commission another broker or dealer would have charged for effecting that transaction, if the Sub-Manager determines in good faith that such amount of commission was reasonable in relation to the value of the brokerage and research services provided by such broker or dealer, viewed in terms of either that particular transaction or its overall responsibilities with respect to the Fund and to other clients of the Manager or the Sub-Manager as to which the Manager or the Sub-Manager exercises investment discretion. The Sub-Manager agrees that in connection with purchases or sales of portfolio investments for any Fund, neither the Sub-Manager nor any officer, director, employee or agent of the Sub-Manager shall act as a principal or receive any commission other than as provided in Section 3.

(e) The Sub-Manager shall not be obligated to pay any expenses of or for the Manager or any Fund not expressly assumed by the Sub-Manager pursuant to this Section 1.

(f) In the performance of its duties, the Sub-Manager will comply with the provisions of the Agreement and Declaration of Trust and By-Laws of each applicable Fund and such Fund’s stated investment objectives, policies and restrictions, and will use its best efforts to safeguard and promote the welfare of such Fund and to comply with other policies which the Manager or the Trustees may from time to time determine and shall exercise the same care and diligence expected of the Manager.

2. OTHER AGREEMENTS, ETC.

It is understood that any of the shareholders, Trustees, officers and employees of a Fund may be a shareholder, director, officer

or employee of, or be otherwise interested in, the Sub-Manager, and in any person controlled by or under common control with the Sub-Manager, and that the Sub-Manager and any person controlled by or under common control with the Sub-Manager may have an interest in such Fund. It is also understood that the Sub-Manager and any person controlled by or under common control with the Sub-Manager have and may have advisory, management, service or other contracts with other organizations and persons, and may have other interests and business.

3. COMPENSATION.

Except as provided below, the Manager will pay to the Sub-Manager as compensation for the Sub-Manager's services rendered, a fee, computed and paid quarterly at the annual rate of 0.35% per annum of average aggregate net asset value of the assets in equity and asset allocation Allocated Sleeves and 0.40% per annum of average aggregate net asset value of the assets in fixed income Allocated Sleeves, except for fixed income Allocated Sleeves in certain fixed income Funds enumerated as follows (with the per annum fee provided in parentheses): Putnam Money Market Liquidity Fund (0.20%), Putnam Short Term Investment Fund (0.20%), Putnam Money Market Fund (0.25%), Putnam Tax Exempt Money Market Fund (0.25%), Putnam VT Money Market Fund (0.25%), Putnam Short Duration Income Fund (0.25%), Putnam Short-Term Municipal Income Fund (0.25%), Putnam American Government Income Fund (0.25%), Putnam Income Fund (0.25%), Putnam U.S. Government Income Trust (0.25%), Putnam VT American Government Income Fund (0.25%), and Putnam VT Income Fund (0.25%).

Such average net asset value shall be determined by taking an average of all of the determinations of such net asset value during a quarter at the close of business on each business day during such quarter while this Contract is in effect. Such fee shall be payable for each quarter within 30 days after the close of such quarter. The Sub-Manager shall look only to the Manager for payment of its fees. No Fund shall have any responsibility for paying any fees due the Sub-Manager.

With respect to each of Putnam High Income Securities Fund, Putnam Master Intermediate Income Trust and Putnam Premier Income Trust, the Manager will pay to the Sub-Manager as compensation for the Sub-Manager's services rendered, a fee, computed and paid quarterly at the annual rate of 0.40% of Average Weekly Assets in Allocated Sleeves. "Average Weekly Assets" means the average of the weekly determinations of the difference between the total assets of the Fund (including any assets attributable to leverage for investment purposes) attributable to an Allocated Sleeve and the total liabilities of the Fund (excluding liabilities incurred in connection with leverage for investment purposes) attributable to such Allocated Sleeve, determined at the close of the last business day of each week, for each week which ends during the quarter. Such fee shall

be payable for each quarter within 30 days after the close of such quarter. As used in this Section 3, "leverage for investment purposes" means any incurrence of indebtedness the proceeds of which are to be invested in accordance with the Fund's investment objective. For purposes of calculating Average Weekly Assets, liabilities associated with any instruments or transactions used to leverage the Fund's portfolio for investment purposes (whether or not such instruments or transactions are "covered" within the meaning of the Investment Company Act of 1940 and the rules and regulations thereunder, giving effect to any interpretations of the Securities and Exchange Commission and its staff) are not considered liabilities. For purposes of calculating Average Weekly Assets, the total assets of the Fund will be deemed to include (a) any proceeds from the sale or transfer of an asset (the "Underlying Asset") of the Fund to a counterparty in a reverse repurchase or dollar roll transaction and (b) the value of such Underlying Asset as of the relevant measuring date.

In the event that the Manager's management fee from any of Putnam High Income Securities Fund, Putnam Master Intermediate Income Trust or Putnam Premier Income Trust is reduced pursuant to the investment management contract between such Fund and the Manager because during any Measurement Period (as defined below) the amount of interest payments and fees with respect to indebtedness or other obligation of the Fund incurred for investment leverage purposes, plus additional expenses attributable to any such leverage for investment purposes, exceeds the portion of the Fund's net income and net short-term capital gains (but not long-term capital gains) accruing during such Measurement Period as a result of the fact that such indebtedness or other obligation was outstanding during the Measurement Period, the fee payable to the Sub-Manager with respect to such Fund shall be reduced in the same proportion as the fee paid to the Manager with respect to such Fund is so reduced. "Measurement Period" shall be any period for which payments of interest or fees (whether designated as such or implied) are payable in connection with any indebtedness or other obligation of the Fund incurred for investment purposes.

If the Sub-Manager shall serve for less than the whole of a quarter, the foregoing compensation shall be prorated.

4. ASSIGNMENT TERMINATES THIS CONTRACT; AMENDMENTS OF THIS CONTRACT.

This Contract shall automatically terminate without the payment of any penalty, in the event of its assignment; and this Contract shall not be amended with respect to any Allocated Sleeve unless such amendment be approved at a meeting by the vote, cast in person at a meeting called for the purpose of voting on such approval, of a majority of the Trustees of the related Fund who are not interested persons of such Fund or of the Manager.

5. EFFECTIVE PERIOD AND TERMINATION OF THIS CONTRACT.

This Contract shall become effective upon its execution, and shall remain in full force and effect continuously thereafter (unless terminated automatically as set forth in Section 4) until terminated as follows:

(a) Either party hereto or, with respect to any Allocated Sleeve, the related Fund may at any time terminate this Contract by not more than sixty days' nor less than thirty days' written notice delivered or mailed by registered mail, postage prepaid, to the other party, or

(b) With respect to any Allocated Sleeve, if (i) the Trustees of the related Fund or the shareholders by the affirmative vote of a majority of the outstanding shares of such Fund, and (ii) a majority of the Trustees of such Fund who are not interested persons of such Fund or of the Manager, by vote cast in person at a meeting called for the purpose of voting on such approval, do not specifically approve at least annually the continuance of this Contract, then this Contract shall automatically terminate at the close of business on the anniversary of its execution, or upon the expiration of one year from the effective date of the last such continuance, whichever is later, or

(c) With respect to any Allocated Sleeve, automatically upon termination of the Manager's investment management contract with the related Fund.

Action by a Fund under (a) above may be taken either (i) by vote of a majority of its Trustees, or (ii) by the affirmative vote of a majority of the outstanding shares of such Fund.

Termination of this Contract pursuant to this Section 5 will be without the payment of any penalty.

6. CERTAIN DEFINITIONS.

For the purposes of this Contract, the "affirmative vote of a majority of the outstanding shares of a Fund" means the affirmative vote, at a duly called and held meeting of shareholders of such Fund, (a) of the holders of 67% or more of the shares of such Fund present (in person or by proxy) and entitled to vote at such meeting, if the holders of more than 50% of the outstanding shares of such Fund entitled to vote at such meeting are present in person or by proxy, or (b) of the holders of more than 50% of the outstanding shares of such Fund entitled to vote at such meeting, whichever is less.

For the purposes of this Contract, the terms "affiliated person," "control," "interested person" and "assignment" shall have their respective meanings defined in the United States Investment Company Act of 1940 and the Rules and Regulations thereunder (the "1940 Act"), subject, however, to such exemptions as may be granted by the Securities and Exchange Commission under said Act; the term "specifically approve at least annually" shall be construed in a manner consistent with the 1940 Act, and

the Rules and Regulations thereunder; and the term "brokerage and research services" shall have the meaning given in the United States Securities Exchange Act of 1934 and the Rules and Regulations thereunder.

7. NON-LIABILITY OF SUB-MANAGER.

In the absence of willful misfeasance, bad faith or gross negligence on the part of the Sub-Manager, or reckless disregard of its obligations and duties hereunder, the Sub-Manager shall not be subject to any liability to the Manager, any Fund or to any shareholder of any Fund, for any act or omission in the course of, or connected with, rendering services hereunder.

8. ADDITIONAL PROVISIONS.

(a) The Sub-Manager represents that it is regulated by the FCA in the conduct of its investment business. The Sub-Manager has in operation a written procedure in accordance with FCA rules for the effective consideration and proper handling of complaints from customers. Any complaint by the Manager or any Fund should be sent to the Compliance Officer of the Sub-Manager. The Manager and any Fund is also entitled to make any complaints about the Sub-Manager to the Financial Ombudsman Service established by the FCA. The Manager and any Fund may also request a statement describing its rights to compensation in the event of the Sub-Manager's inability to meet its liabilities.

(b) The Manager represents that it and each Fund are "Professional Customers" in the meaning of the FCA's rules.

(c) Although each Fund is not a party hereto and shall have no responsibility for the Manager's or the Sub-Manager's obligations hereunder, each Fund is named as explicit third party beneficiary of the parties' agreements hereunder.

IN WITNESS WHEREOF, PUTNAM INVESTMENTS LIMITED and PUTNAM INVESTMENT MANAGEMENT, LLC have each caused this instrument to be signed in duplicate on its behalf by an officer duly authorized, all as of the day and year first above written.

PUTNAM INVESTMENTS LIMITED

By: /s/ Joseph T. Phoenix

Joseph T. Phoenix
Director

PUTNAM INVESTMENT MANAGEMENT, LLC

By: /s/ James P. Pappas

James P. Pappas
Director of Trustee Relations and Authorized Person

Schedule A

(List of Putnam Funds updated through July 1, 2013)

Putnam Absolute Return 100 Fund
Putnam Absolute Return 300 Fund
Putnam Absolute Return 500 Fund
Putnam Absolute Return 700 Fund
Putnam American Government Income Fund
Putnam AMT-Free Municipal Fund
Putnam Arizona Tax Exempt Income Fund
Putnam Asia Pacific Equity Fund
Putnam California Tax Exempt Income Fund
Putnam Capital Spectrum Fund
Putnam Capital Opportunities Fund
Putnam Convertible Securities Fund
Putnam Diversified Income Trust
Putnam Dynamic Asset Allocation Balanced Fund
Putnam Dynamic Asset Allocation Conservative Fund
Putnam Dynamic Asset Allocation Equity Fund
Putnam Dynamic Asset Allocation Growth Fund
Putnam Dynamic Risk Allocation Fund
Putnam Equity Income Fund
Putnam Emerging Markets Equity Fund
Putnam Emerging Markets Income Fund
Putnam Europe Equity Fund
Putnam Equity Spectrum Fund
Putnam Floating Rate Income Fund
The Putnam Fund for Growth and Income
The George Putnam Fund of Boston (d/b/a George Putnam
Balanced Fund)
Putnam Global Consumer Fund
Putnam Global Dividend Fund
Putnam Global Energy Fund
Putnam Global Equity Fund
Putnam Global Financials Fund
Putnam Global Health Care Fund
Putnam Global Income Trust
Putnam Global Industrials Fund
Putnam Global Natural Resources Fund
Putnam Global Sector Fund
Putnam Global Technology Fund
Putnam Global Telecommunications Fund
Putnam Global Utilities Fund
Putnam Growth Opportunities Fund
Putnam High Income Securities Fund
Putnam High Yield Advantage Fund
Putnam High Yield Trust
Putnam Income Fund
Putnam Intermediate-Term Municipal Income Fund
Putnam International Capital Opportunities Fund
Putnam International Equity Fund
Putnam International Growth Fund
Putnam International Value Fund
Putnam Investors Fund
Putnam Low Volatility Equity Fund
Putnam Managed Municipal Income Trust
Putnam Massachusetts Tax Exempt Income Fund
Putnam Master Intermediate Income Trust
Putnam Michigan Tax Exempt Income Fund
Putnam Minnesota Tax Exempt Income Fund
Putnam Money Market Fund
Putnam Money Market Liquidity Fund
Putnam Mortgage Recovery Fund
Putnam Multi-Cap Core Fund
Putnam Multi-Cap Growth Fund
Putnam Multi-Cap Value Fund
Putnam Municipal Opportunities Trust
Putnam New Jersey Tax Exempt Income Fund
Putnam New York Tax Exempt Income Fund
Putnam Ohio Tax Exempt Income Fund
Putnam Pennsylvania Tax Exempt Income Fund
Putnam Premier Income Trust
Putnam Research Fund
Putnam RetirementReady 2055 Fund
Putnam RetirementReady 2050 Fund
Putnam RetirementReady 2045 Fund
Putnam RetirementReady 2040 Fund
Putnam RetirementReady 2035 Fund
Putnam RetirementReady 2030 Fund
Putnam RetirementReady 2025 Fund
Putnam RetirementReady 2020 Fund
Putnam RetirementReady 2015 Fund
Putnam Retirement Income Fund Lifestyle 1
Putnam Retirement Income Fund Lifestyle 2
Putnam Retirement Income Fund Lifestyle 3
Putnam Short Duration Income Fund
Putnam Short Term Investment Fund
Putnam Short-Term Municipal Income Fund
Putnam Small Cap Growth Fund
Putnam Small Cap Value Fund
Putnam Strategic Volatility Equity Fund
Putnam Tax Exempt Income Fund
Putnam Tax Exempt Money Market Fund
Putnam Tax-Free High Yield Fund
Putnam U.S. Government Income Trust
Putnam Voyager Fund
Putnam VT Absolute Return 500 Fund
Putnam VT American Government Income Fund
Putnam VT Capital Opportunities Fund
Putnam VT Diversified Income Fund
Putnam VT Equity Income Fund
Putnam VT George Putnam Balanced Fund
Putnam VT Global Asset Allocation Fund
Putnam VT Global Equity Fund

Putnam VT Global Health Care Fund
Putnam VT Global Utilities Fund
Putnam VT Growth and Income Fund
Putnam VT Growth Opportunities Fund
Putnam VT High Yield Fund
Putnam VT Income Fund
Putnam VT International Equity Fund
Putnam VT International Value Fund
Putnam VT International Growth Fund
Putnam VT Investors Fund
Putnam VT Money Market Fund
Putnam VT Multi-Cap Growth Fund
Putnam VT Multi-Cap Value Fund
Putnam VT Research Fund
Putnam VT Small Cap Value Fund
Putnam VT Voyager Fund

PUTNAM INVESTMENTS LIMITED

By: /s/ Joseph T. Phoenix

Joseph T. Phoenix
Director

PUTNAM INVESTMENT MANAGEMENT, LLC

By: /s/ James P. Pappas

James P. Pappas
Director of Trustee Relations and Authorized Person

PUTNAM FUNDS SUB-ADVISORY CONTRACT

This Sub-Advisory Contract is dated as of July 1, 2013 between and among PUTNAM INVESTMENT MANAGEMENT, LLC, a Delaware limited liability company (the “Manager”), PUTNAM INVESTMENTS LIMITED, a company organized under the laws of England and Wales (“PIL”), and THE PUTNAM ADVISORY COMPANY, LLC, a Delaware limited liability company (the “Sub-Advisor”).

WHEREAS, the Manager is the investment manager of each of the investment companies registered under the United States Investment Company Act of 1940, as amended, that are identified on [Schedule A](#) hereto, as they may from time to time be amended by the Manager (the “Funds”), and a registered investment adviser under the United States Investment Advisers Act of 1940, as amended;

WHEREAS, PIL is a registered investment adviser under the United States Investment Advisers Act of 1940, as amended, is licensed as an investment manager by the Financial Conduct Authority of the United Kingdom (the “FCA”) and is a sub-manager of each of the Funds pursuant to that certain Sub-Management Contract dated as of July 1, 2013 (the “PIL Sub-Management Contract”), between the Manager and PIL whereby the Manager has contracted with PIL for the management of certain portions of each of the Funds (each, a “PIL-Advised Sleeve”);

WHEREAS, the Sub-Advisor is a registered investment adviser under the United States Investment Advisers Act of 1940, as amended, and is an investment adviser authorized to provide discretionary investment advice and management in Singapore;

WHEREAS, the Manager and PIL currently engage the Sub-Advisor from time to time to provide discretionary investment management services from the Sub-Advisor’s office in Singapore with respect to a portion of certain of the Funds:

NOW THEREFORE, in consideration of the mutual covenants herein contained, it is agreed as follows:

1. SERVICES TO BE RENDERED BY SUB-ADVISOR.

(a) The Sub-Advisor, at its expense, will furnish continuously an investment program for that portion of any Fund identified on [Schedule A](#) the management of which is allocated from time to time by the Manager or PIL to the Sub-Advisor (an “Allocated Sleeve”). The Manager or PIL, as the case may be, shall, in its sole discretion, determine which Funds will have an Allocated Sleeve and the amount of assets allocated from time to time to each such Allocated Sleeve; provided that, with respect to any Fund, the Trustees of such Fund must have approved the use of the Sub-Advisor prior to the creation of an Allocated Sleeve for such Fund. The Sub-Advisor will determine what investments shall be purchased, held, sold or exchanged by any Allocated Sleeve and what portion, if any, of the assets of the Allocated Sleeve shall be held uninvested and shall, on behalf of the Fund, make changes in the Fund’s investments held in such Allocated Sleeve.

(b) The Manager may, and in the case of a PIL-Advised Sleeve, PIL may, each at its discretion, also request the Sub-Advisor to provide assistance with purchasing and selling securities for any Fund, including the placement of orders with broker-dealers selected in accordance with Section 1(c), even if the Manager or PIL, as the case may be, has not established an Allocated Sleeve for such Fund.

(c) The Sub-Advisor shall place all orders for the purchase and sale of portfolio investments for any Allocated Sleeve with brokers or dealers selected by the Sub-Advisor. In the selection of such brokers or dealers and the placing of such

orders, the Sub-Advisor shall use its best efforts to obtain for the related Fund the most favorable price and execution available, except to the extent it may be permitted to pay higher brokerage commissions for brokerage and research services as described below. In using its best efforts to obtain for the Fund the most favorable price and execution available, the Sub-Advisor, bearing in mind the Fund's best interests at all times, shall consider all factors it deems relevant, including by way of illustration, price, the size of the transaction, the nature of the market for the security, the amount of the commission, the timing of the transaction taking into account market prices and trends, the reputation, experience and financial stability of the broker or dealer involved and the quality of service rendered by the broker or dealer in other transactions. Subject to such policies as the Trustees of the Funds may determine, the Sub-Advisor shall not be deemed to have acted unlawfully or to have breached any duty created by this Contract or otherwise solely by reason of its having caused a Fund to pay a broker or dealer that provides brokerage and research services to the Manager or, in the case of a PIL-Advised Sleeve, PIL, or the Sub-Advisor an amount of commission for effecting a portfolio investment transaction in excess of the amount of commission another broker or dealer would have charged for effecting that transaction, if the Sub-Advisor determines in good faith that such amount of commission was reasonable in relation to the value of the brokerage and research services provided by such broker or dealer, viewed in terms of either that particular transaction or its overall responsibilities with respect to the Fund and to other clients of the Manager or PIL, as the case may be, or the Sub-Advisor as to which the Manager or PIL, as the case may be, or the Sub-Advisor exercises investment discretion. The Sub-Advisor agrees that in connection with purchases or sales of portfolio investments for any Fund, neither the Sub-Advisor nor any officer, director, employee or agent of the Sub-Advisor shall act as a principal or receive any commission other than as provided in Section 3.

(d) The Sub-Advisor at its expense will furnish all necessary investment and management facilities, including salaries of personnel, required for it to execute its duties faithfully.

(e) The Sub-Advisor shall not be obligated to pay any expenses of or for the Manager, PIL or any Fund not expressly assumed by the Sub-Advisor pursuant to this Section 1.

(f) In the performance of its duties, the Sub-Advisor will comply with the provisions of the Agreement and Declaration of Trust and By-Laws of each applicable Fund and such Fund's stated investment objectives, policies and restrictions, and will use its best efforts to safeguard and promote the welfare of such Fund and to comply with other policies which the Manager, PIL or the Trustees may from time to time determine and shall exercise the same care and diligence expected of the Manager and PIL.

2. OTHER AGREEMENTS, ETC.

It is understood that any of the shareholders, Trustees, officers and employees of a Fund may be a shareholder, director, officer or employee of, or be otherwise interested in, the Sub-Advisor, and in any person controlled by or under common control with the Sub-Advisor, and that the Sub-Advisor and any person controlled by or under common control with the Sub-Advisor may have an interest in such Fund. It is also understood that the Sub-Advisor and any person controlled by or under common control with the Sub-Advisor have and may have advisory, management, service or other contracts with other organizations and persons, and may have other interests and business.

3. COMPENSATION.

Except as provided below, the Manager or PIL, as the case may be, will pay to the Sub-Advisor as compensation for the Sub-Advisor's services rendered a fee, computed and paid quarterly at the annual rate of 0.35% per annum of average net asset value of the assets in each Allocated Sleeve of Funds identified on Schedule A.

Such average net asset value shall be determined by taking an average of all of the determinations of such net asset value during a quarter at the close of business on each business day during such quarter while this Contract is in effect. Such fee shall be payable for each quarter within 30 days after the close of such quarter. The Sub-Advisor shall look only to the Manager or PIL, as the case may be, for payment of its fees. No Fund shall have any responsibility for paying any fees due the Sub-Advisor.

If the Sub-Advisor shall serve for less than the whole of a quarter, the foregoing compensation shall be prorated.

4. ASSIGNMENT TERMINATES THIS CONTRACT; AMENDMENTS OF THIS CONTRACT.

This Contract shall automatically terminate, without the payment of any penalty, in the event of its assignment; and this Contract shall not be amended with respect to any Allocated Sleeve unless such amendment be approved at a meeting by the vote, cast in person at a meeting called for the purpose of voting on such approval, of a majority of the Trustees of the related Fund who are not interested persons of such Fund or of the Manager.

5. EFFECTIVE PERIOD AND TERMINATION OF THIS CONTRACT.

This Contract shall become effective upon its execution, and shall remain in full force and effect continuously thereafter (unless terminated automatically as set forth in Section 4) until terminated as follows:

(a) Any party hereto or, with respect to any Allocated Sleeve, the related Fund may at any time terminate this Contract by not more than sixty days' nor less than thirty days' written notice

delivered or mailed by registered mail, postage prepaid, to the other parties, or

(b) With respect to any Allocated Sleeve, if (i) the Trustees of the related Fund or the shareholders by the affirmative vote of a majority of the outstanding shares of such Fund, and (ii) a majority of the Trustees of such Fund who are not interested persons of such Fund or of the Manager, by vote cast in person at a meeting called for the purpose of voting on such approval, do not specifically approve at least annually the continuance of this Contract, then this Contract shall automatically terminate at the close of business on the anniversary of its execution, or upon the expiration of one year from the effective date of the last such continuance, whichever is later, or

(c) With respect to any Allocated Sleeve, automatically upon termination of the Manager's investment management contract with the related Fund, or with respect to any Allocated Sleeve for which PIL has contracted with the Sub-Advisor to provide services under this Contract, automatically upon termination of the PIL Sub-Management Contract.

Action by a Fund under (a) above may be taken either (i) by vote of a majority of its Trustees, or (ii) by the affirmative vote of a majority of the outstanding shares of such Fund.

Termination of this Contract pursuant to this Section 5 will be without the payment of any penalty.

6. CERTAIN DEFINITIONS.

For the purposes of this Contract, the "affirmative vote of a majority of the outstanding shares of a Fund" means the affirmative vote, at a duly called and held meeting of shareholders of such Fund, (a) of the holders of 67% or more of the shares of such Fund present (in person or by proxy) and entitled to vote at such meeting, if the holders of more than 50% of the outstanding shares of such Fund entitled to vote at such meeting are present in person or by proxy, or (b) of the holders of more than 50% of the outstanding shares of such Fund entitled to vote at such meeting, whichever is less.

For the purposes of this Contract, the terms "affiliated person," "control," "interested person" and "assignment" shall have their respective meanings defined in the United States Investment Company Act of 1940 and the Rules and Regulations thereunder (the "1940 Act"), subject, however, to such exemptions as may be granted by the Securities and Exchange Commission under said Act; and the term "specifically approve at least annually" shall be construed in a manner consistent with the 1940 Act, and the Rules and Regulations thereunder.

7. NON-LIABILITY OF SUB-ADVISOR.

In the absence of willful misfeasance, bad faith or gross negligence on the part of the Sub-Advisor, or reckless disregard of its obligations and duties hereunder, the Sub-Advisor shall

not be subject to any liability to the Manager, PIL, any Fund or to any shareholder of any Fund, for any act or omission in the course of, or connected with, rendering services hereunder.

8. ADDITIONAL PROVISIONS.

(a) PIL represents that it is regulated by the FCA in the conduct of its investment business. PIL has in operation a written procedure in accordance with FCA rules for the effective consideration and proper handling of complaints from customers. Any complaint by the Manager or any Fund should be sent to the Compliance Officer of PIL. The Manager and any Fund is also entitled to make any complaints about PIL to the Financial Ombudsman Service established by the FCA. The Manager and any Fund may also request a statement describing its rights to compensation in the event of PIL's inability to meet its liabilities.

(b) The Manager represents that it and each Fund are "Professional Customers" in the meaning of the FCA's rules.

(c) Although each Fund is not a party hereto and shall have no responsibility for the Manager's, PIL's or the Sub-Advisor's obligations hereunder, each Fund is named as explicit third party beneficiary of the parties' agreements hereunder.

In witness whereof, PUTNAM INVESTMENT MANAGEMENT, LLC, PUTNAM INVESTMENTS LIMITED and THE PUTNAM ADVISORY COMPANY, LLC have each caused this instrument to be signed on its behalf by an officer duly authorized, all as of the day and year first above written.

PUTNAM INVESTMENTS LIMITED

By: /s/ Joseph T. Phoenix

Joseph T. Phoenix
Director

PUTNAM INVESTMENT MANAGEMENT, LLC

By: /s/ James P. Pappas

James P. Pappas
Director of Trustee Relations and Authorized Person

THE PUTNAM ADVISORY COMPANY, LLC

By: /s/ James F. Clark

James F. Clark
Associate General Counsel

Schedule A

(List of Putnam Funds updated through July 1, 2013)

Putnam Absolute Return 100 Fund
Putnam Absolute Return 300 Fund
Putnam Absolute Return 500 Fund
Putnam Absolute Return 700 Fund
Putnam Asia Pacific Equity Fund
Putnam Capital Spectrum Fund
Putnam Dynamic Asset Allocation Balanced Fund
Putnam Dynamic Asset Allocation Conservative Fund
Putnam Dynamic Asset Allocation Equity Fund
Putnam Dynamic Asset Allocation Growth Fund
Putnam Emerging Markets Equity Fund
Putnam Equity Spectrum Fund
Putnam Europe Equity Fund
Putnam Global Consumer Fund
Putnam Global Dividend Fund
Putnam Global Energy Fund
Putnam Global Equity Fund
Putnam Global Financials Fund
Putnam Global Health Care Fund
Putnam Global Industrials Fund
Putnam Global Natural Resources Fund
Putnam Global Sector Fund
Putnam Global Technology Fund
Putnam Global Telecommunications Fund
Putnam Global Utilities Fund
Putnam International Equity Fund
Putnam International Growth Fund
Putnam International Value Fund
Putnam Research Fund
Putnam Retirement Income Fund Lifestyle 2
Putnam Retirement Income Fund Lifestyle 3
Putnam VT Absolute Return 500 Fund
Putnam VT Global Asset Allocation Fund

Putnam VT Global Equity Fund
Putnam VT Global Health Care Fund
Putnam VT Global Utilities Fund
Putnam VT International Equity Fund
Putnam VT International Growth Fund
Putnam VT International Value Fund
Putnam VT Research Fund

PUTNAM INVESTMENTS LIMITED

By: /s/ Joseph T. Phoenix

Joseph T. Phoenix
Director

PUTNAM INVESTMENT MANAGEMENT, LLC

By: /s/ James P. Pappas

James P. Pappas
Director of Trustee Relations and Authorized Person

THE PUTNAM ADVISORY COMPANY, LLC

By: /s/ James F. Clark

James F. Clark
Associate General Counsel

Appendix F — Description of Contract Approval Process

Previous approval of management contracts

The approval by the Trustees in November 2013 of the proposed management contracts for your funds was preceded by their approval of interim management contracts in October 2013 and by their approval in June 2013 of the continuance of the current management contracts. The discussion below summarizes the principal factors considered by the Trustees in approving the continuance of the current management contracts in June 2013.

General conclusions

The Board of Trustees of the Putnam funds oversees the management of each fund and, as required by law, determines annually whether to approve the continuance of your fund's management contract with Putnam Investment Management ("Putnam Management"), the sub-management contract with respect to your fund between Putnam Management and its affiliate, Putnam Investments Limited ("PIL"), and (for applicable funds) the sub-advisory contract among Putnam Management, PIL, and another affiliate, The Putnam Advisory Company ("PAC"). The Board of Trustees, with the assistance of its Contract Committee, requests and evaluates all information it deems reasonably necessary under the circumstances in connection with its annual contract review. The Contract Committee consists solely of Trustees who are not "interested persons" (as this term is defined in the Investment Company Act of 1940, as amended (the "1940 Act")) of the Putnam funds ("Independent Trustees").

At the outset of the review process, members of the Board's independent staff and independent legal counsel met with representatives of Putnam Management to review the annual contract review materials furnished to the Contract Committee during the course of the previous year's review and to discuss possible changes in these materials that might be necessary or desirable for the coming year. Following these discussions and in consultation with the Contract Committee, the Independent Trustees' independent legal counsel requested that Putnam Management furnish specified information, together with any additional information that Putnam Management considered relevant, to the Contract Committee. Over the course of several months ending in June 2013, the Contract Committee met on a number of occasions with representatives of Putnam Management, and separately in executive session, to consider the information that Putnam Management provided. Throughout this process, the Contract Committee was assisted by the members of the Board's independent staff and by independent legal counsel for the Putnam funds and the Independent Trustees.

In May 2013, the Contract Committee met in executive session to discuss and consider its preliminary recommendations with

respect to the continuance of the contracts. At the Trustees' June 20, 2013 meeting, the Contract Committee met in executive session with the other Independent Trustees to review a summary of the key financial data that the Contract Committee considered in the course of its review. The Contract Committee then presented its written report, which summarized the key factors that the Committee had considered and set forth its final recommendations. The Contract Committee then recommended, and the Independent Trustees approved, the continuance of your fund's management, sub-management and (for applicable funds) sub-advisory contracts, effective July 1, 2013, subject to certain changes in the sub-management and sub-advisory contracts noted below. (Because PIL and PAC are affiliates of Putnam Management and Putnam Management remains fully responsible for all services provided by PIL and PAC, the Trustees have not evaluated PIL or PAC as separate entities, and all subsequent references to Putnam Management below should be deemed to include reference to PIL and PAC as necessary or appropriate in the context.)

The Independent Trustees' approval was based on the following conclusions:

- That the fee schedule in effect for your fund represented reasonable compensation in light of the nature and quality of the services being provided to the fund, the fees paid by competitive funds, and the costs incurred by Putnam Management in providing services to the fund, and
- That the fee schedule represented an appropriate sharing between fund shareholders and Putnam Management of such economies of scale as may exist in the management of the fund at current asset levels.

These conclusions were based on a comprehensive consideration of all information provided to the Trustees and were not the result of any single factor. Some of the factors that figured particularly in the Trustees' deliberations and how the Trustees considered these factors are described below, although individual Trustees may have evaluated the information presented differently, giving different weights to various factors. It is also important to recognize that the management arrangements for your fund and the other Putnam funds are the result of many years of review and discussion between the Independent Trustees and Putnam Management, that some aspects of the arrangements may receive greater scrutiny in some years than others, and that the Trustees' conclusions may be based, in part, on their consideration of fee arrangements in previous years. For example, with some minor exceptions, the current fee arrangements in the management contracts for the Putnam funds were implemented at the beginning of 2010 following extensive review and discussion by the Trustees, as well as approval by shareholders.

As noted above, the Trustees considered certain administrative revisions to your fund's sub-management and sub-advisory contracts. Putnam Management recommended that the sub-management contract be revised to reduce the sub-management fee that Putnam Management pays to PIL with respect to the portion of the portfolios of certain funds that may be allocated to PIL from time to time. Putnam Management also recommended that the sub-advisory contract be revised to reflect the closure of PAC's Tokyo office and the termination of PAC's non-discretionary investment adviser's license with respect to that office. The Independent Trustees' approval of these recommendations was based on their conclusion that these changes would have no practical effect on Putnam Management's continued responsibility for the management of these funds or the costs borne by fund shareholders and would not result in any reduction in the nature and quality of services provided to the funds.

Management fee schedules and total expenses

The Trustees reviewed the management fee schedules in effect for all Putnam funds, including fee levels and breakpoints. The Trustees also reviewed the total expenses of each Putnam fund, recognizing that in most cases management fees represented the major, but not the sole, determinant of total costs to shareholders.

In reviewing fees and expenses, the Trustees generally focus their attention on material changes in circumstances — for example, changes in assets under management, changes in a fund's investment style, changes in Putnam Management's operating costs or profitability, or changes in competitive practices in the mutual fund industry — that suggest that consideration of fee changes might be warranted. The Trustees concluded that the circumstances did not warrant changes to the management fee structure of any fund.

Under its management contract, the open-end funds have the benefit of breakpoints in their management fee schedules that provide shareholders with economies of scale in the form of reduced fee levels as assets under management in the Putnam family of funds increase, and each closed-end funds have the benefit of breakpoints in their management fee schedules that provide shareholders with economies of scale in the form of reduced fee levels as the fund's assets increase. The Trustees concluded that the fee schedule in effect for your fund represented an appropriate sharing of economies of scale between fund shareholders and Putnam Management.

In addition, certain fund's management contracts provides that the fund's management fees will be adjusted up or down depending upon whether the fund's performance is better or worse than the performance of an appropriate index of securities prices specified in the management contract. In the course of reviewing investment performance, the Trustees examined

the operation of those fund's performance fees and concluded that the fees were operating effectively to align further Putnam Management's economic interests with those of the fund's shareholders.

As in the past, the Trustees also focused on the competitiveness of each fund's total expense ratio. In order to ensure that expenses of the Putnam funds continue to meet competitive standards, the Trustees and Putnam Management have implemented certain expense limitations. These expense limitations were: (i) a contractual expense limitation applicable to all retail open-end funds of 32 basis points on investor servicing fees and expenses and (ii) a contractual expense limitation applicable to all open-end funds of 20 basis points on so-called "other expenses" (i.e., all expenses exclusive of management fees, investor servicing fees, distribution fees, investment-related expenses, interest, taxes, brokerage commissions, extraordinary expenses and acquired fund fees and expenses). These expense limitations serve in particular to maintain competitive expense levels for funds with large numbers of small shareholder accounts and funds with relatively small net assets. Most funds had sufficiently low expenses that these expense limitations did not apply. Putnam Management's support for these expense limitations, including its agreement to reduce the expense limitation applicable to the open-end funds' investor servicing fees and expenses as noted above, was an important factor in the Trustees' decision to approve the continuance of your fund's management, sub-management and sub-advisory contracts.

The Trustees reviewed comparative fee and expense information for competitive funds, which indicated that, in a custom peer group of competitive funds selected by Lipper Inc. (determined for each Putnam fund and the other funds in the custom peer group based on fund asset size and the applicable contractual management fee schedule), each Putnam fund ranked in particular percentiles in management fees and total expenses (excluding any applicable 12b-1 fees for open-end funds and excluding charges and expenses at the insurance company separate account level for the funds of Putnam Variable Trust) as of December 31, 2012 (the first quintile representing the least expensive funds and the fifth quintile the most expensive funds). (The comparative fee and expense information for Putnam Global Sector Fund, Putnam Retirement Income Fund Lifestyle 1, Putnam Retirement Income Fund Lifestyle 2, Putnam Retirement Income Fund Lifestyle 3 and each Putnam RetirementReady Fund included the fees and expenses of the underlying Putnam funds in which these funds invested, as well as the fees and expenses of the underlying funds in which each fund in these funds' Lipper peer group invested.) The fee and expense data reported by Lipper as of December 31, 2012 reflected the most recent fiscal year-end data available in Lipper's database at that time.

In connection with their review of the management fees and total expenses of the Putnam funds, the Trustees also reviewed the costs of the services provided and the profits realized by Putnam Management and its affiliates from their contractual relationships with the funds. This information included trends in revenues, expenses and profitability of Putnam Management and its affiliates relating to the investment management, investor servicing and distribution services provided to the funds. In this regard, the Trustees also reviewed an analysis of Putnam Management's revenues, expenses and profitability, allocated on a fund-by-fund basis, with respect to the funds' management, distribution, and investor servicing contracts. For each fund, the analysis presented information about revenues, expenses and profitability for each of the agreements separately and for the agreements taken together on a combined basis. The Trustees concluded that, at current asset levels, the fee schedules in place represented reasonable compensation for the services being provided and represented an appropriate sharing of such economies of scale as may exist in the management of the Putnam funds at that time.

The information examined by the Trustees as part of their annual contract review for the Putnam funds has included for many years information regarding fees charged by Putnam Management and its affiliates to institutional clients such as defined benefit pension plans, college endowments, and the like. This information included comparisons of those fees with fees charged to the funds, as well as an assessment of the differences in the services provided to these different types of clients. The Trustees observed that the differences in fee rates between institutional clients and mutual funds are by no means uniform when examined by individual asset sectors, suggesting that differences in the pricing of investment management services to these types of clients may reflect historical competitive forces operating in separate markets. The Trustees considered the fact that in many cases fee rates across different asset classes are higher on average for mutual funds than for institutional clients, as well as the differences between the services that Putnam Management provides to the Putnam funds and those that it provides to its institutional clients. The Trustees did not rely on these comparisons to any significant extent in concluding that the management fees paid by your fund are reasonable.

Investment performance

The quality of the investment process provided by Putnam Management represented a major factor in the Trustees' evaluation of the quality of services provided by Putnam Management under your fund's management contract. The Trustees were assisted in their review of the Putnam funds' investment process and performance by the work of the investment oversight committees of the Trustees, which meet on a regular basis with the funds' portfolio teams and with the Chief Investment Officer

and other senior members of Putnam Management's Investment Division throughout the year. The Trustees concluded that Putnam Management generally provides a high-quality investment process — based on the experience and skills of the individuals assigned to the management of fund portfolios, the resources made available to them, and in general Putnam Management's ability to attract and retain high-quality personnel — but also recognized that this does not guarantee favorable investment results for every fund in every time period.

The Trustees considered that 2012 was a year of strong competitive performance for many of the Putnam funds, with only a relatively small number of exceptions. They noted that this strong performance was exemplified by the fact that the Putnam funds were recognized by Barron's as the best performing mutual fund complex for 2012 — the second time in four years that Putnam Management has achieved this distinction for the Putnam funds. They also noted, however, the disappointing investment performance of some funds for periods ended December 31, 2012 and considered information provided by Putnam Management regarding the factors contributing to the underperformance and actions being taken to improve the performance of these particular funds. The Trustees indicated their intention to continue to monitor performance trends to assess the effectiveness of these efforts and to evaluate whether additional actions to address areas of underperformance are warranted.

For purposes of evaluating investment performance, the Trustees generally focus on competitive industry rankings for the one-year, three-year, and five-year periods. For a number of Putnam funds with relatively unique investment mandates, the Trustees evaluated performance based on comparisons of their absolute gross returns with the returns of selected investment benchmarks or targeted annualized returns.

The Trustees also considered a number of other changes that Putnam Management had made in recent years in efforts to support and improve fund performance generally. These changes included Putnam Management's efforts to increase accountability and to reduce complexity in the portfolio management process for the Putnam equity funds by moving generally from a portfolio management team structure to a decision-making process that vests full authority and responsibility with individual portfolio managers and by affirming its commitment to a fundamental-driven approach to investing. The Trustees noted that Putnam Management had also worked to strengthen its fundamental research capabilities by adding new investment personnel to the large-cap equities research team and by bringing U.S. and international research under common leadership. In addition, the Trustees recognized that Putnam Management has adjusted the compensation structure for portfolio managers and research analysts so that only those

who achieve top-quartile returns over a rolling three-year basis are eligible for full bonuses.

Brokerage and soft-dollar allocations; investor servicing

The Trustees considered various potential benefits that Putnam Management may receive in connection with the services it provides under the management contract with your fund. These include benefits related to brokerage allocation and the use of soft dollars, whereby a portion of the commissions paid by a fund for brokerage may be used to acquire research services that are expected to be useful to Putnam Management in managing the assets of the fund and of other clients. Subject to policies established by the Trustees, soft dollars generated by these means are used primarily to acquire brokerage and research services that enhance Putnam Management's investment capabilities and supplement Putnam Management's internal research efforts. However, the Trustees noted that a portion of available brokerage commissions continues to be used to pay fund expenses. The Trustees indicated their continued intent to monitor regulatory and industry developments in this area with the assistance of their

Brokerage Committee and also indicated their continued intent to monitor the allocation of the Putnam funds' brokerage in order to ensure that the principle of seeking best price and execution remains paramount in the portfolio trading process.

Putnam Management may also receive benefits from payments that the funds make to Putnam Management's affiliates for investor or distribution services. In conjunction with the annual review of the funds' management, sub-management and sub-advisory contracts, the Trustees reviewed the funds' investor servicing agreement with Putnam Investor Services, Inc. ("PSERV") and the open-end funds' distributor's contracts and distribution plans with Putnam Retail Management Limited Partnership ("PRM"), both of which are affiliates of Putnam Management. The Trustees concluded that the fees payable by the funds to PSERV and PRM, as applicable, for such services are reasonable in relation to the nature and quality of such services, the fees paid by competitive funds, and the costs incurred by PSERV and PRM, as applicable, in providing such services.

Appendix G — Auditors

As listed below, the Trustees have selected PricewaterhouseCoopers LLP, 125 High Street, Boston, Massachusetts 02110, or KPMG, 99 High Street, Boston, Massachusetts 02110, as the auditors for each fund's current fiscal year. These firms are among the country's preeminent auditors. Each firm was selected primarily on the basis of its expertise as auditors of investment companies, the quality of its audit services and the competitiveness of its fees. Representatives of each of PricewaterhouseCoopers LLP and KPMG LLP are expected to be present at the special meeting and to have the opportunity to make a statement and respond to appropriate questions.

A note for funds audited by PricewaterhouseCoopers LLP

A non-U.S. member firm in PricewaterhouseCoopers LLP's global network of firms has an investment in certain non-U.S. funds now affiliated with Putnam Investments as a result of the July 2013 acquisition of the funds' advisor by Putnam's parent company, Great-West Lifeco Inc. The investment consists of pension plan assets for the benefit of the member firm's personnel. The investment is inconsistent with the requirements of the Securities

and Exchange Commission's auditor independence rules. Your fund has been informed by PricewaterhouseCoopers LLP that to address this issue, the member firm is in the process of selecting different advisors not affiliated with Putnam to manage the relevant pension plans and transferring the plans' assets to such advisors. None of the member firm's personnel is on the PricewaterhouseCoopers LLP audit team for your fund, and none of the members of the audit team participates in the member firm's pension plans. Based on its knowledge of the facts and its experience with PricewaterhouseCoopers LLP, the Audit and Compliance Committee of your fund's Board of Trustees concluded that the investment by the PricewaterhouseCoopers LLP member firm would not affect PricewaterhouseCoopers LLP's ability to render an objective audit opinion to your fund. Based on this conclusion and consideration of the potential risks that the disruption of a change of auditors could present, the Audit and Compliance Committee determined that PricewaterhouseCoopers LLP should continue to act as auditors for your fund.

The following table presents fees billed to each indicated fund in each of its last two fiscal years ended prior to October 1, 2013 by PricewaterhouseCoopers LLP:

Fund	Fiscal Year Ended	Audit Fees	Audit-Related Fees	Tax Fees	All Other Fees
Putnam Absolute Return 500 Fund	October 31, 2012	\$154,468	\$—	\$14,706	\$1,679
	October 31, 2011	\$149,752	\$—	\$10,157	\$—
Putnam Absolute Return 700 Fund	October 31, 2012	\$148,606	\$—	\$14,700	\$1,417
	October 31, 2011	\$159,580	\$—	\$9,925	\$—
Putnam American Government Income Fund	September 30, 2013	\$119,789	\$—	\$8,976	\$—
	September 30, 2012	\$118,259	\$—	\$9,036	\$1,571
Putnam AMT-Free Municipal Fund	July 31, 2013	\$65,477	\$—	\$11,267	\$—
	July 31, 2012	\$60,516	\$—	\$11,298	\$799
Putnam Capital Opportunities Fund	April 30, 2013	\$62,119	\$—	\$5,474	\$—
	April 30, 2012	\$61,723	\$—	\$5,416	\$656
Putnam Capital Spectrum Fund	April 30, 2013	\$95,656	\$—	\$9,549	\$—
	April 30, 2012	\$66,762	\$—	\$9,417	\$1,399
Putnam Dynamic Asset Allocation Balanced Fund	September 30, 2013	\$154,835	\$—	\$31,190	\$—
	September 30, 2012	\$220,012	\$—	\$31,591	\$2,522
Putnam Dynamic Asset Allocation Conservative Fund	September 30, 2013	\$128,446	\$—	\$29,790	\$—
	September 30, 2012	\$181,777	\$—	\$29,883	\$1,071
Putnam Dynamic Asset Allocation Equity Fund	May 31, 2013	\$73,558	\$—	\$11,870	\$—
	May 31, 2012	\$75,260	\$—	\$14,922	\$39
Putnam Dynamic Asset Allocation Growth Fund	September 30, 2013	\$161,823	\$—	\$34,890	\$—
	September 30, 2012	\$229,014	\$—	\$33,559	\$3,084
Putnam Europe Equity Fund	June 30, 2013	\$62,142	\$—	\$8,593	\$—
	June 30, 2012	\$60,553	\$—	\$8,397	\$302
The Putnam Fund for Growth and Income	October 31, 2012	\$234,489	\$—	\$8,407	\$8,735
	October 31, 2011	\$272,321	\$—	\$12,363	\$—
The George Putnam Fund of Boston (d/b/a George Putnam Balanced Fund)	July 31, 2013	\$117,377	\$—	\$15,659	\$—
	July 31, 2012	\$136,346	\$—	\$15,750	\$2,356
Putnam Global Health Care Fund	August 31, 2013	\$96,943	\$—	\$10,066	\$—
	August 31, 2012	\$76,430	\$—	\$10,142	\$1,902
Putnam Global Income Trust	October 31, 2012	\$174,155	\$—	\$17,851	\$734
	October 31, 2011	\$149,859	\$—	\$10,944	\$—

Fund	Fiscal Year Ended	Audit Fees	Audit-Related Fees	Tax Fees	All Other Fees
Putnam Global Sector Fund	October 31, 2012	\$12,251	\$—	\$5,538	\$—
	October 31, 2011	\$16,573	\$—	\$3,137	\$—
Putnam Global Utilities Fund	August 31, 2013	\$56,726	\$—	\$13,449	\$—
	August 31, 2012	\$52,359	\$—	\$13,014	\$459
Putnam High Income Securities Fund	August 31, 2013	\$72,576	\$—	\$16,169	\$—
	August 31, 2012	\$105,084	\$—	\$16,179	\$273
Putnam International Capital Opportunities Fund	August 31, 2013	\$91,226	\$—	\$21,985	\$—
	August 31, 2012	\$74,070	\$—	\$15,630	\$1,807
Putnam International Equity Fund	June 30, 2013	\$109,525	\$—	\$15,476	\$—
	June 30, 2012	\$89,613	\$—	\$15,497	\$2,059
Putnam International Growth Fund	September 30, 2013	\$75,191	\$—	\$17,835	\$—
	September 30, 2012	\$75,298	\$—	\$16,822	\$669
Putnam International Value Fund	June 30, 2013	\$65,642	\$—	\$11,466	\$—
	June 30, 2012	\$56,665	\$—	\$11,298	\$420
Putnam Massachusetts Tax Exempt Income Fund	May 31, 2013	\$56,188	\$—	\$11,521	\$—
	May 31, 2012	\$52,439	\$—	\$11,211	\$647
Putnam Michigan Tax Exempt Income Fund	May 31, 2013	\$45,321	\$—	\$11,521	\$—
	May 31, 2012	\$41,736	\$—	\$11,192	\$154
Putnam Minnesota Tax Exempt Income Fund	May 31, 2013	\$46,563	\$—	\$11,521	\$—
	May 31, 2012	\$44,128	\$—	\$11,194	\$204
Putnam Money Market Fund	September 30, 2013	\$91,529	\$—	\$4,010	\$—
	September 30, 2012	\$107,675	\$—	\$4,165	\$3,655
Putnam Multi-Cap Growth Fund	June 30, 2013	\$211,800	\$—	\$5,474	\$—
	June 30, 2012	\$137,804	\$—	\$5,550	\$6,304
Putnam Municipal Opportunities Trust	April 30, 2013	\$74,048	\$32,284	\$11,395	\$—
	April 30, 2012	\$71,280	\$31,344	\$12,604	\$1,083
Putnam New Jersey Tax Exempt Income Fund	May 31, 2013	\$52,845	\$—	\$11,521	\$—
	May 31, 2012	\$48,126	\$—	\$11,205	\$500
Putnam Ohio Tax Exempt Income Fund	May 31, 2013	\$48,608	\$—	\$11,521	\$—
	May 31, 2012	\$47,678	\$—	\$11,198	\$299
Putnam Pennsylvania Tax Exempt Income Fund	May 31, 2013	\$51,805	\$—	\$11,521	\$—
	May 31, 2012	\$47,454	\$—	\$11,204	\$459
Putnam RetirementReady 2055 Fund	July 31, 2013	\$562	\$—	\$223	\$—
	July 31, 2012	\$214	\$—	\$105	\$—
Putnam RetirementReady 2050 Fund	July 31, 2013	\$5,521	\$—	\$2,189	\$—
	July 31, 2012	\$3,598	\$—	\$1,760	\$—
Putnam RetirementReady 2045 Fund	July 31, 2013	\$7,762	\$—	\$3,077	\$—
	July 31, 2012	\$5,786	\$—	\$2,830	\$—
Putnam RetirementReady 2040 Fund	July 31, 2013	\$11,198	\$—	\$4,439	\$—
	July 31, 2012	\$8,386	\$—	\$4,101	\$—
Putnam RetirementReady 2035 Fund	July 31, 2013	\$16,482	\$—	\$6,533	\$—
	July 31, 2012	\$12,874	\$—	\$6,296	\$—
Putnam RetirementReady 2030 Fund	July 31, 2013	\$21,611	\$—	\$8,567	\$—
	July 31, 2012	\$17,287	\$—	\$8,455	\$—
Putnam RetirementReady 2025 Fund	July 31, 2013	\$25,172	\$—	\$9,978	\$—
	July 31, 2012	\$20,211	\$—	\$9,885	\$—
Putnam RetirementReady 2020 Fund	July 31, 2013	\$22,129	\$—	\$8,772	\$—
	July 31, 2012	\$18,931	\$—	\$9,259	\$—
Putnam RetirementReady 2015 Fund	July 31, 2013	\$16,124	\$—	\$6,391	\$—
	July 31, 2012	\$15,025	\$—	\$7,348	\$—
Putnam Retirement Income Fund Lifestyle 1	July 31, 2013	\$14,270	\$—	\$5,657	\$—
	July 31, 2012	\$11,830	\$—	\$5,786	\$—
Putnam Retirement Income Fund Lifestyle 2	August 31, 2013	\$47,809	\$—	\$7,416	\$—
	August 31, 2012	\$52,490	\$—	\$7,416	\$11

Fund	Fiscal Year Ended	Audit Fees	Audit-Related Fees	Tax Fees	All Other Fees
Putnam Retirement Income Fund Lifestyle 3	February 28, 2013	\$82,890	\$—	\$7,575	\$—
	February 29, 2012	\$88,434	\$—	\$4,290	\$31
Putnam Short Term Investment Fund	July 31, 2013 ⁽¹⁾	\$63,545	\$—	\$3,600	\$—
Putnam Small Cap Growth Fund	June 30, 2013	\$52,294	\$—	\$7,066	\$—
	June 30, 2012	\$52,075	\$—	\$6,899	\$238
Putnam Tax Exempt Money Market Fund	September 30, 2013	\$46,945	\$—	\$4,392	\$—
	September 30, 2012	\$44,394	\$—	\$4,396	\$110
Putnam Tax-Free High Yield Fund	July 31, 2013	\$96,150	\$—	\$12,859	\$—
	July 31, 2012	\$83,316	\$—	\$12,939	\$2,049
Putnam Voyager Fund	July 31, 2013	\$220,449	\$—	\$9,756	\$—
	July 31, 2012	\$187,242	\$—	\$10,826	\$7,414
Putnam VT Absolute Return 500 Fund	December 31, 2012	\$91,404	\$—	\$6,592	\$25
	December 31, 2011	\$75,795	\$—	\$5,601	\$—
Putnam VT American Government Income Fund	December 31, 2012	\$60,234	\$—	\$3,140	\$281
	December 31, 2011	\$51,923	\$—	\$2,678	\$—
Putnam VT Capital Opportunities Fund	December 31, 2012	\$28,450	\$—	\$2,122	\$64
	December 31, 2011	\$31,600	\$—	\$1,813	\$—
Putnam VT Diversified Income Fund	December 31, 2012	\$174,153	\$—	\$8,445	\$890
	December 31, 2011	\$153,148	\$—	\$9,360	\$—
Putnam VT Equity Income Fund	December 31, 2012	\$44,867	\$—	\$2,122	\$731
	December 31, 2011	\$49,013	\$—	\$1,828	\$—
Putnam VT George Putnam Balanced Fund	December 31, 2012	\$91,318	\$—	\$5,856	\$365
	December 31, 2011	\$94,486	\$—	\$4,994	\$—
Putnam VT Global Asset Allocation Fund	December 31, 2012	\$137,663	\$—	\$11,506	\$426
	December 31, 2011	\$128,870	\$—	\$9,031	\$—
Putnam VT Global Equity Fund	December 31, 2012	\$64,252	\$—	\$7,214	\$392
	December 31, 2011	\$67,301	\$—	\$9,196	\$—
Putnam VT Global Health Care Fund	December 31, 2012	\$33,940	\$—	\$3,961	\$201
	December 31, 2011	\$37,320	\$—	\$3,598	\$—
Putnam VT Global Utilities Fund	December 31, 2012	\$33,011	\$—	\$4,852	\$246
	December 31, 2011	\$36,806	\$—	\$4,358	\$—
Putnam VT Growth and Income Fund	December 31, 2012	\$95,108	\$—	\$3,480	\$2,337
	December 31, 2011	\$107,799	\$—	\$3,042	\$—
Putnam VT Growth Opportunities Fund	December 31, 2012	\$35,470	\$—	\$2,461	\$48
	December 31, 2011	\$37,541	\$—	\$2,092	\$—
Putnam VT High Yield Fund	December 31, 2012	\$92,091	\$—	\$5,135	\$775
	December 31, 2011	\$95,878	\$—	\$4,391	\$—
Putnam VT Income Fund	December 31, 2012	\$146,842	\$—	\$3,904	\$797
	December 31, 2011	\$124,754	\$—	\$3,349	\$—
Putnam VT International Equity Fund	December 31, 2012	\$63,920	\$—	\$5,659	\$839
	December 31, 2011	\$71,173	\$—	\$3,564	\$—
Putnam VT International Growth Fund	December 31, 2012	\$42,998	\$—	\$8,856	\$115
	December 31, 2011	\$46,085	\$—	\$10,758	\$—
Putnam VT International Value Fund	December 31, 2012	\$43,359	\$—	\$4,937	\$225
	December 31, 2011	\$47,613	\$—	\$5,963	\$—
Putnam VT Investors Fund	December 31, 2012	\$42,050	\$—	\$3,961	\$476
	December 31, 2011	\$46,458	\$—	\$6,608	\$—
Putnam VT Money Market Fund	December 31, 2012	\$52,382	\$—	\$1,994	\$517
	December 31, 2011	\$56,515	\$—	\$1,717	\$—
Putnam VT Multi-Cap Growth Fund	December 31, 2012	\$52,852	\$—	\$2,461	\$1,311
	December 31, 2011	\$60,230	\$—	\$2,139	\$—
Putnam VT Multi-Cap Value Fund	December 31, 2012	\$28,553	\$—	\$2,122	\$69
	December 31, 2011	\$31,721	\$—	\$1,814	\$—
Putnam VT Research Fund	December 31, 2012	\$35,616	\$—	\$2,716	\$112
	December 31, 2011	\$38,000	\$—	\$2,310	\$—

Fund	Fiscal Year Ended	Audit Fees	Audit-Related Fees	Tax Fees	All Other Fees
Putnam VT Small Cap Value Fund	December 31, 2012	\$36,454	\$—	\$2,631	\$459
	December 31, 2011	\$41,588	\$—	\$2,250	\$—
Putnam VT Voyager Fund	December 31, 2012	\$87,826	\$—	\$4,961	\$1,588
	December 31, 2011	\$98,551	\$—	\$5,756	\$—

(1) The amounts for Putnam Short Term Investment Fund represent fees for the period February 19, 2013 (commencement of operations) to the fiscal period ended July 31, 2013.

The following table presents fees billed to each indicated fund in each of its last two fiscal years ended prior to October 1, 2013 by KPMG LLP:

Fund	Fiscal Year Ended	Audit Fees	Audit-Related Fees	Tax Fees	All Other Fees
Putnam Absolute Return 100 Fund	October 31, 2012	\$87,871	\$—	\$5,150	\$—
	October 31, 2011	\$86,191	\$—	\$5,000	\$—
Putnam Absolute Return 300 Fund	October 31, 2012	\$88,458	\$—	\$5,150	\$—
	October 31, 2011	\$86,680	\$—	\$5,000	\$—
Putnam Arizona Tax Exempt Income Fund	May 31, 2013	\$51,929	\$—	\$6,300	\$—
	May 31, 2012	\$44,743	\$—	\$6,100	\$—
Putnam Asia Pacific Equity Fund	April 30, 2013	\$37,955	\$—	\$3,450	\$—
	April 30, 2012	\$41,355	\$—	\$3,350	\$—
Putnam California Tax Exempt Fund	September 30, 2013	\$58,141	\$—	\$6,458	\$—
	September 30, 2012	\$56,702	\$—	\$6,300	\$—
Putnam Convertible Securities Fund	October 31, 2012	\$36,744	\$—	\$4,100	\$—
	October 31, 2011	\$45,079	\$—	\$4,000	\$—
Putnam Diversified Income Trust	September 30, 2013	\$148,356	\$—	\$6,458	\$—
	September 30, 2012	\$153,715	\$—	\$6,300	\$—
Putnam Dynamic Risk Allocation Fund	May 31, 2013	\$65,488	\$—	\$4,650	\$—
	May 31, 2012 ⁽¹⁾	\$70,513	\$—	\$4,500	\$—
Putnam Emerging Markets Equity Fund	August 31, 2013	\$45,734	\$—	\$4,963	\$—
	August 31, 2012	\$44,622	\$—	\$4,850	\$—
Putnam Equity Income Fund	November 30, 2012	\$43,672	\$—	\$4,100	\$—
	November 30, 2011	\$52,940	\$—	\$4,000	\$—
Putnam Equity Spectrum Fund	April 30, 2013	\$36,893	\$—	\$3,450	\$—
	April 30, 2012	\$41,599	\$—	\$3,350	\$—
Putnam Floating Rate Income Fund	February 28, 2013	\$83,263	\$—	\$6,900	\$—
	February 29, 2012	\$80,841	\$—	\$6,700	\$—
Putnam Global Consumer Fund	August 31, 2013	\$39,684	\$—	\$4,300	\$—
	August 31, 2012	\$38,708	\$—	\$4,200	\$—
Putnam Global Energy Fund	August 31, 2013	\$39,686	\$—	\$4,300	\$—
	August 31, 2012	\$38,711	\$—	\$4,200	\$—
Putnam Global Equity Fund	October 31, 2012	\$41,872	\$—	\$4,650	\$—
	October 31, 2011	\$58,738	\$—	\$4,550	\$—
Putnam Global Financials Fund	August 31, 2013	\$39,684	\$—	\$4,300	\$—
	August 31, 2012	\$42,705	\$—	\$4,200	\$—
Putnam Global Industrials Fund	August 31, 2013	\$39,682	\$—	\$4,300	\$—
	August 31, 2012	\$38,706	\$—	\$4,200	\$—
Putnam Global Natural Resources Fund	August 31, 2013	\$39,763	\$—	\$4,200	\$—
	August 31, 2012	\$42,810	\$—	\$4,100	\$—
Putnam Global Technology Fund	August 31, 2013	\$39,682	\$—	\$4,300	\$—
	August 31, 2012	\$38,707	\$—	\$4,200	\$—
Putnam Global Telecommunications Fund	August 31, 2013	\$39,684	\$—	\$4,300	\$—
	August 31, 2012	\$38,706	\$—	\$4,200	\$—
Putnam Growth Opportunities Fund	July 31, 2013	\$42,920	\$—	\$4,200	\$—
	July 31, 2012	\$45,752	\$—	\$4,100	\$—
Putnam High Yield Advantage Fund	November 30, 2012	\$80,880	\$—	\$4,450	\$—
	November 30, 2011	\$82,325	\$—	\$4,350	\$—

Fund	Fiscal Year Ended	Audit Fees	Audit-Related Fees	Tax Fees	All Other Fees
Putnam High Yield Trust	August 31, 2013	\$77,467	\$—	\$6,457	\$—
	August 31, 2012	\$81,549	\$—	\$6,300	\$—
Putnam Income Fund	October 31, 2012	\$109,651	\$—	\$6,300	\$—
	October 31, 2011	\$101,397	\$—	\$6,100	\$—
Putnam Investors Fund	July 31, 2013	\$39,093	\$—	\$4,200	\$—
	July 31, 2012	\$41,716	\$—	\$4,100	\$—
Putnam Low Volatility Equity Fund	July 31, 2013 ⁽²⁾	\$33,504	\$—	\$3,500	\$—
Putnam Managed Municipal Income Trust	October 31, 2012	\$68,324	\$26,550	\$6,300	\$—
	October 31, 2011	\$66,220	\$25,300	\$6,100	\$—
Putnam Master Intermediate Income Trust	September 30, 2013	\$129,389	\$—	\$6,458	\$—
	September 30, 2012	\$136,019	\$—	\$6,300	\$—
Putnam Money Market Liquidity Fund	September 30, 2013	\$38,091	\$—	\$3,425	\$—
	September 30, 2012	\$37,953	\$—	\$3,350	\$—
Putnam Multi-Cap Core Fund	April 30, 2013	\$28,456	\$—	\$2,950	\$—
	April 30, 2012	\$32,405	\$—	\$2,900	\$—
Putnam Multi-Cap Value Fund	April 30, 2013	\$34,331	\$—	\$4,100	\$—
	April 30, 2012	\$45,045	\$—	\$4,000	\$—
Putnam New York Tax Exempt Income Fund	November 30, 2012	\$56,439	\$—	\$6,300	\$—
	November 30, 2011	\$56,941	\$—	\$6,100	\$—
Putnam Premier Income Trust	July 31, 2013	\$153,053	\$—	\$6,458	\$—
	July 31, 2012	\$158,194	\$—	\$6,300	\$—
Putnam Research Fund	July 31, 2013	\$36,668	\$—	\$4,200	\$—
	July 31, 2012	\$39,696	\$—	\$4,100	\$—
Putnam Short Duration Income Fund	July 31, 2013	\$64,867	\$—	\$4,100	\$—
	July 31, 2012 ⁽³⁾	\$62,909	\$—	\$7,000	\$—
Putnam Small Cap Value Fund	February 28, 2013	\$36,471	\$—	\$4,100	\$—
	February 29, 2012	\$48,651	\$—	\$4,000	\$—
Putnam Strategic Volatility Equity Fund	July 31, 2013 ⁽²⁾	\$33,501	\$—	\$3,500	\$—
Putnam Tax Exempt Income Fund	September 30, 2013	\$57,855	\$—	\$6,458	\$—
	September 30, 2012	\$56,432	\$—	\$6,300	\$—
Putnam U.S. Government Income Trust	September 30, 2013	\$116,925	\$—	\$4,763	\$—
	September 30, 2012	\$122,150	\$—	\$4,650	\$—

(1) The amounts for Putnam Dynamic Risk Allocation Fund represent fees for the period September 19, 2011 (commencement of operations) to the fiscal period ended May 31, 2012.

(2) The amounts for Putnam Low Volatility Equity Fund and Putnam Strategic Volatility Equity Fund represent fees for the period March 18, 2013 (commencement of operations) to the fiscal period ended July 31, 2013.

(3) The amounts for Putnam Short Duration Income Fund represent fees for the period October 17, 2011 (commencement of operations) to the fiscal period ended July 31, 2012.

As of the date of this proxy statement, the following funds had not yet completed a full fiscal year of operations: Putnam Emerging Markets Income Fund; Putnam Global Dividend Fund; Putnam Intermediate-Term Municipal Income Fund; and Putnam Short-Term Municipal Income Fund (each audited by KPMG LLP).

Audit Fees represent fees billed for a fund's last two fiscal years relating to the audit and review of the financial statements included in annual reports and registration statements, and other services that are normally provided in connection with statutory and regulatory filings or engagements. Audit-Related Fees represent fees billed in a 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 a 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 represent fees billed for services relating to analysis of fund profitability.

The following tables present the amounts PricewaterhouseCoopers LLP billed for aggregate non-audit fees to each fund, Putnam Management and any entity controlling, controlled by or under common control with Putnam Management that provides ongoing services to the fund in each of the fund's last two fiscal years ended prior to October 1, 2013:

Putnam Absolute Return 500 Fund	Oct. 31, 2012: \$255,895	Oct. 31, 2011: \$187,539
Putnam Absolute Return 700 Fund	Oct. 31, 2012: \$255,626	Oct. 31, 2011: \$187,307
Putnam American Government Income Fund	Sept. 30, 2013: \$158,976	Sept. 30, 2012: \$172,616
Putnam AMT-Free Municipal Fund	July 31, 2013: \$158,767	July 31, 2012: \$174,106
Putnam Capital Opportunities Fund	April 30, 2013: \$152,974	April 30, 2012: \$123,453
Putnam Capital Spectrum Fund	April 30, 2013: \$157,049	April 30, 2012: \$128,199
Putnam Dynamic Asset Allocation Balanced Fund	Sept. 30, 2013: \$181,190	Sept. 30, 2012: \$196,121
Putnam Dynamic Asset Allocation Conservative Fund	Sept. 30, 2013: \$179,790	Sept. 30, 2012: \$192,963
Putnam Dynamic Asset Allocation Equity Fund	May 31, 2013: \$159,370	May 31, 2012: \$107,713
Putnam Dynamic Asset Allocation Growth Fund	Sept. 30, 2013: \$184,890	Sept. 30, 2012: \$198,652
Putnam Europe Equity Fund	June 30, 2013: \$156,093	June 30, 2012: \$201,713
The Putnam Fund for Growth and Income	Oct. 31, 2012: \$256,651	Oct. 31, 2011: \$189,745
The George Putnam Fund of Boston (d/b/a George Putnam Balanced Fund)	July 31, 2013: \$163,159	July 31, 2012: \$180,115
Putnam Global Health Care Fund	Aug. 31, 2013: \$157,566	Aug. 31, 2012: \$174,052
Putnam Global Income Trust	Oct. 31, 2012: \$258,095	Oct. 31, 2011: \$188,326
Putnam Global Sector Fund	Oct. 31, 2012: \$245,047	Oct. 31, 2011: \$180,519
Putnam Global Utilities Fund	Aug. 31, 2013: \$160,949	Aug. 31, 2012: \$175,482
Putnam High Income Securities Fund	Aug. 31, 2013: \$163,669	Aug. 31, 2012: \$178,460
Putnam International Capital Opportunities Fund	Aug. 31, 2013: \$169,485	Aug. 31, 2012: \$179,446
Putnam International Equity Fund	June 30, 2013: \$162,976	June 30, 2012: \$210,569
Putnam International Growth Fund	Sept. 30, 2013: \$167,835	Sept. 30, 2012: \$179,500
Putnam International Value Fund	June 30, 2013: \$158,966	June 30, 2012: \$204,732
Putnam Massachusetts Tax Exempt Income Fund	May 31, 2013: \$159,021	May 31, 2012: \$104,610
Putnam Michigan Tax Exempt Income Fund	May 31, 2013: \$159,021	May 31, 2012: \$104,098
Putnam Minnesota Tax Exempt Income Fund	May 31, 2013: \$159,021	May 31, 2012: \$104,150
Putnam Money Market Fund	Sept. 30, 2013: \$154,010	Sept. 30, 2012: \$169,828
Putnam Multi-Cap Growth Fund	June 30, 2013: \$152,974	June 30, 2012: \$204,867
Putnam Municipal Opportunities Trust	April 30, 2013: \$191,179	April 30, 2012: \$162,414
Putnam New Jersey Tax Exempt Income Fund	May 31, 2013: \$159,021	May 31, 2012: \$104,150
Putnam Ohio Tax Exempt Income Fund	May 31, 2013: \$159,021	May 31, 2012: \$104,248
Putnam Pennsylvania Tax Exempt Income Fund	May 31, 2013: \$159,021	May 31, 2012: \$104,415
Putnam RetirementReady 2055 Fund	July 31, 2013: \$147,723	July 31, 2012: \$162,114
Putnam RetirementReady 2050 Fund	July 31, 2013: \$149,689	July 31, 2012: \$163,769
Putnam RetirementReady 2045 Fund	July 31, 2013: \$150,577	July 31, 2012: \$164,839
Putnam RetirementReady 2040 Fund	July 31, 2013: \$151,939	July 31, 2012: \$166,110
Putnam RetirementReady 2035 Fund	July 31, 2013: \$154,033	July 31, 2012: \$168,305
Putnam RetirementReady 2030 Fund	July 31, 2013: \$156,067	July 31, 2012: \$170,464
Putnam RetirementReady 2025 Fund	July 31, 2013: \$157,478	July 31, 2012: \$171,894

Putnam RetirementReady 2020 Fund	July 31, 2013: \$156,272	July 31, 2012: \$171,268
Putnam RetirementReady 2015 Fund	July 31, 2013: \$153,891	July 31, 2012: \$169,357
Putnam Retirement Income Fund Lifestyle 1	July 31, 2013: \$153,157	July 31, 2012: \$167,795
Putnam Retirement Income Fund Lifestyle 2	Aug. 31, 2013: \$154,916	Aug. 31, 2012: \$169,437
Putnam Retirement Income Fund Lifestyle 3	Feb. 28, 2013: \$259,687	Feb. 29, 2012: \$121,703
Putnam Short Term Investment Fund ⁽¹⁾	July 31, 2013: \$151,100	N/A
Putnam Small Cap Growth Fund	June 30, 2013: \$154,566	June 30, 2012: \$200,151
Putnam Tax Exempt Money Market Fund	Sept. 30, 2013: \$154,392	Sept. 30, 2012: \$166,515
Putnam Tax-Free High Yield Fund	July 31, 2013: \$157,256	July 31, 2012: \$160,359
Putnam Voyager Fund	July 31, 2013: \$157,256	July 31, 2012: \$180,249
Putnam VT Absolute Return 500 Fund	Dec. 31, 2012: \$258,729	Dec. 31, 2011: \$132,983
Putnam VT American Government Income Fund	Dec. 31, 2012: \$255,533	Dec. 31, 2011: \$130,060
Putnam VT Capital Opportunities Fund	Dec. 31, 2012: \$254,298	Dec. 31, 2011: \$129,195
Putnam VT Diversified Income Fund	Dec. 31, 2012: \$261,447	Dec. 31, 2011: \$136,742
Putnam VT Equity Income Fund	Dec. 31, 2012: \$254,965	Dec. 31, 2011: \$129,210
Putnam VT George Putnam Balanced Fund	Dec. 31, 2012: \$258,333	Dec. 31, 2011: \$132,376
Putnam VT Global Asset Allocation Fund	Dec. 31, 2012: \$264,044	Dec. 31, 2011: \$136,413
Putnam VT Global Equity Fund	Dec. 31, 2012: \$259,718	Dec. 31, 2011: \$136,578
Putnam VT Global Health Care Fund	Dec. 31, 2012: \$256,274	Dec. 31, 2011: \$130,980
Putnam VT Global Utilities Fund	Dec. 31, 2012: \$257,210	Dec. 31, 2011: \$131,740
Putnam VT Growth and Income Fund	Dec. 31, 2012: \$257,929	Dec. 31, 2011: \$130,424
Putnam VT Growth Opportunities Fund	Dec. 31, 2012: \$254,621	Dec. 31, 2011: \$129,474
Putnam VT High Yield Fund	Dec. 31, 2012: \$258,022	Dec. 31, 2011: \$131,773
Putnam VT Income Fund	Dec. 31, 2012: \$256,813	Dec. 31, 2011: \$130,731
Putnam VT International Equity Fund	Dec. 31, 2012: \$258,610	Dec. 31, 2011: \$130,946
Putnam VT International Growth Fund	Dec. 31, 2012: \$261,083	Dec. 31, 2011: \$138,140
Putnam VT International Value Fund	Dec. 31, 2012: \$257,214	Dec. 31, 2011: \$133,345
Putnam VT Investors Fund	Dec. 31, 2012: \$256,549	Dec. 31, 2011: \$133,990
Putnam VT Money Market Fund	Dec. 31, 2012: \$254,626	Dec. 31, 2011: \$129,099
Putnam VT Multi-Cap Growth Fund	Dec. 31, 2012: \$255,884	Dec. 31, 2011: \$129,521
Putnam VT Multi-Cap Value Fund	Dec. 31, 2012: \$254,303	Dec. 31, 2011: \$129,196
Putnam VT Research Fund	Dec. 31, 2012: \$254,940	Dec. 31, 2011: \$129,692
Putnam VT Small Cap Value Fund	Dec. 31, 2012: \$255,202	Dec. 31, 2011: \$129,632
Putnam VT Voyager Fund	Dec. 31, 2012: \$258,661	Dec. 31, 2011: \$133,138

(1) The amounts for Putnam Short Term Investment Fund represent fees for the period February 19, 2013 (commencement of operations) to the fiscal period ended July 31, 2013.

The following tables present the amounts KPMG LLP billed for aggregate non-audit fees to each fund, Putnam Management and any entity controlling, controlled by or under common control with Putnam Management that provides ongoing services to the fund in each of the fund's last two fiscal years ended prior to October 1, 2013:

Putnam Absolute Return 100 Fund	Oct. 31, 2012: \$5,150	Oct. 31, 2011: \$5,000
Putnam Absolute Return 300 Fund	Oct. 31, 2012: \$5,150	Oct. 31, 2011: \$5,000
Putnam Arizona Tax Exempt Income Fund	May 31, 2013: \$6,300	May 31, 2012: \$6,100
Putnam Asia Pacific Equity Fund	April 30, 2013: \$3,450	April 30, 2012: \$3,350
Putnam California Tax Exempt Income Fund	Sept. 30, 2013: \$6,458	Sept. 30, 2012: \$6,300
Putnam Convertible Securities Fund	Oct. 31, 2012: \$4,100	Oct. 31, 2011: \$4,000
Putnam Diversified Income Trust	Sept. 30, 2013: \$6,458	Sept. 30, 2012: \$6,300
Putnam Dynamic Risk Allocation Fund ⁽¹⁾	May 31, 2013: \$4,650	May 31, 2012: \$4,500
Putnam Emerging Markets Equity Fund	Aug. 31, 2013: \$4,963	Aug. 31, 2012: \$4,850
Putnam Equity Income Fund	Nov. 30, 2012: \$4,100	Nov. 30, 2011: \$4,000
Putnam Equity Spectrum Fund	April 30, 2013: \$3,450	April 30, 2012: \$3,350
Putnam Floating Rate Income Fund	Feb. 28, 2013: \$6,900	Feb. 29, 2012: \$6,700
Putnam Global Consumer Fund	Aug. 31, 2013: \$4,300	Aug. 31, 2012: \$4,200
Putnam Global Energy Fund	Aug. 31, 2013: \$4,300	Aug. 31, 2012: \$4,200

Putnam Global Equity Fund	Oct. 31, 2012: \$4,650	Oct. 31, 2011: \$4,550
Putnam Global Financials Fund	Aug. 31, 2013: \$4,300	Aug. 31, 2012: \$4,200
Putnam Global Industrials Fund	Aug. 31, 2013: \$4,300	Aug. 31, 2012: \$4,200
Putnam Global Natural Resources Fund	Aug. 31, 2013: \$4,200	Aug. 31, 2012: \$4,100
Putnam Global Technology Fund	Aug. 31, 2013: \$4,300	Aug. 31, 2012: \$4,200
Putnam Global Telecommunications Fund	Aug. 31, 2013: \$4,300	Aug. 31, 2012: \$4,200
Putnam Growth Opportunities Fund	July 31, 2013: \$4,200	July 31, 2012: \$4,100
Putnam High Yield Advantage Fund	Nov. 30, 2012: \$4,450	Nov. 30, 2011: \$4,350
Putnam High Yield Trust	Aug. 31, 2013: \$6,457	Aug. 31, 2012: \$6,300
Putnam Income Fund	Oct. 31, 2012: \$6,300	Oct. 31, 2011: \$6,100
Putnam Investors Fund	July 31, 2013: \$4,200	July 31, 2012: \$4,100
Putnam Low Volatility Equity Fund ⁽²⁾	July 31, 2013: \$3,500	N/A
Putnam Managed Municipal Income Trust	Oct 31, 2012: \$32,850	Oct 31, 2011: \$31,400
Putnam Master Intermediate Income Trust	Sept 30, 2013: \$6,458	Sept 30, 2012: \$6,300
Putnam Money Market Liquidity Fund	Sept. 30, 2013: \$3,425	Sept. 30, 2012: \$3,350
Putnam Multi-Cap Core Fund	April 30, 2013: \$2,950	April 30, 2012: \$2,900
Putnam Multi-Cap Value Fund	April 30, 2013: \$4,100	April 30, 2012: \$4,000
Putnam New York Tax Exempt Income Fund	Nov. 30, 2012: \$6,300	Nov. 30, 2011: \$6,100
Putnam Premier Income Trust	July 31, 2013: \$6,458	July 31, 2012: \$6,300
Putnam Research Fund	July 31, 2013: \$4,200	July 31, 2012: \$4,100
Putnam Short Duration Income Fund ⁽³⁾	July 31, 2013: \$4,100	July 31, 2012: \$7,000
Putnam Small Cap Value Fund	Feb 28, 2013: \$4,100	Feb. 28, 2012: \$4,000
Putnam Strategic Volatility Equity Fund ⁽²⁾	July 31, 2013: \$3,500	N/A
Putnam Tax Exempt Income Fund	Sept. 30, 2013: \$6,458	Sept. 30, 2012: \$6,300
Putnam U.S. Government Income Trust	Sept. 30, 2013: \$4,763	Sept. 30, 2012: \$4,650

(1) The amounts for the fund represent fees for the period September 19, 2011 (commencement of operations) to the fiscal period ended May 31, 2012.

(2) The amounts for the fund represent fees for the period March 18, 2013 (commencement of operations) to the fiscal period ended July 31, 2013.

(3) The amounts for the fund represent fees for the period October 17, 2011 (commencement of operations) to the fiscal period ended July 31, 2012.

Pre-Approval Policies of the Audit and Compliance Committee.

The Audit and Compliance Committee of the Putnam funds has determined that, as a matter of policy, all work performed for the funds by the funds' auditors will be preapproved by the Committee itself and thus will generally not be subject to pre-approval procedures.

The Audit and Compliance Committee also has adopted a policy to pre-approve the engagement by Putnam Management and certain of its affiliates of the funds' auditors, even in circumstances where pre-approval is not required by applicable law. Any such requests by Putnam Management or certain of its affiliates are typically submitted in writing to the Committee and explain, among other things, the nature of the proposed engagement, the estimated fees, and why this work should be performed by that particular audit firm as opposed to another one. In reviewing such requests, the Committee considers, among other things,

whether the provision of such services by the audit firm are compatible with the independence of the audit firm.

Since the beginning of the two most recently completed fiscal years of each fund ended prior to October 1, 2013, all work performed by the 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 funds was pre-approved by the Committee or a member of the Committee pursuant to the pre-approval policies discussed above.

The following table presents fees billed to each indicated fund in each of its last two fiscal years ended prior to October 1, 2013 by PricewaterhouseCoopers LLP for services required to be approved pursuant to paragraph (c)(7)(ii) of Rule 2-01 of Regulation S-X (funds not listed below were not billed for such services during their last two fiscal years):

Putnam Absolute Return 500 Fund	Oct. 31, 2012: \$122,500	Oct. 31, 2012: \$157,505
Putnam Absolute Return 700 Fund	Oct. 31, 2012: \$122,500	Oct. 31, 2012: \$157,505
Putnam American Government Income Fund	Sept. 30, 2013: \$150,000	Sept. 30, 2012: \$45,000
Putnam AMT-Free Municipal Fund	July 31, 2013: \$147,500	July 31, 2012: \$45,000
Putnam Capital Opportunities Fund	April 30, 2013: \$147,500	April 30, 2012: \$97,505
Putnam Capital Spectrum Fund	April 30, 2013: \$147,500	April 30, 2012: \$97,505
Putnam Dynamic Asset Allocation Balanced Fund	Sept. 30, 2013: \$150,000	Sept. 30, 2012: \$45,000
Putnam Dynamic Asset Allocation Conservative Fund	Sept. 30, 2013: \$150,000	Sept. 30, 2012: \$45,000
Putnam Dynamic Asset Allocation Equity Fund	May 31, 2013: \$147,500	May 31, 2012: \$76,005
Putnam Dynamic Asset Allocation Growth Fund	Sept. 30, 2013: \$150,000	Sept. 30, 2012: \$45,000
Putnam Europe Equity Fund	June 30, 2013: \$147,500	June 30, 2012: \$76,005
The Putnam Fund for Growth and Income	Oct. 31, 2012: \$122,500	Oct. 31, 2011: \$157,505
The George Putnam Fund of Boston (d/b/a George Putnam Balanced Fund)	July 31, 2013: \$147,500	July 31, 2012: \$45,000
Putnam Global Health Care Fund	Aug. 31, 2013: \$147,500	Aug. 31, 2012: \$45,000
Putnam Global Income Trust	Oct. 31, 2012: \$122,500	Oct. 31, 2011: \$157,505
Putnam Global Sector Fund	Oct. 31, 2012: \$122,500	Oct. 31, 2011: \$157,505
Putnam Global Utilities Fund	Aug. 31, 2013: \$147,500	Aug. 31, 2012: \$45,000
Putnam High Income Securities Fund	Aug. 31, 2013: \$147,500	Aug. 31, 2013: \$45,000
Putnam International Capital Opportunities Fund	Aug. 31, 2013: \$147,500	Aug. 31, 2012: \$45,000
Putnam International Equity Fund	June 30, 2013: \$147,500	June 30, 2012: \$76,005
Putnam International Growth Fund	Sept. 30, 2013: \$150,000	Sept. 30, 2012: \$45,000
Putnam International Value Fund	June 30, 2013: \$147,500	June 30, 2012: \$76,005
Putnam Massachusetts Tax Exempt Income Fund	May 31, 2013: \$147,500	May 31, 2012: \$76,005
Putnam Michigan Tax Exempt Income Fund	May 31, 2013: \$147,500	May 31, 2012: \$76,005
Putnam Minnesota Tax Exempt Income Fund	May 31, 2013: \$147,500	May 31, 2012: \$76,005
Putnam Money Market Fund	Sept. 30, 2013: \$150,000	Sept. 30, 2012: \$45,000
Putnam Multi-Cap Growth Fund	June 30, 2013: \$147,500	June 30, 2012: \$76,005
Putnam Municipal Opportunities Trust	April 30, 2013: \$147,500	April 30, 2012: \$97,505
Putnam New Jersey Tax Exempt Income Fund	May 31, 2013: \$147,500	May 31, 2012: \$76,005
Putnam Ohio Tax Exempt Income Fund	May 31, 2013: \$147,500	May 31, 2012: \$76,005
Putnam Pennsylvania Tax Exempt Income Fund	May 31, 2013: \$147,500	May 31, 2012: \$76,005
Putnam RetirementReady 2055 Fund	July 31, 2013: \$147,500	July 31, 2012: \$45,000
Putnam RetirementReady 2050 Fund	July 31, 2013: \$147,500	July 31, 2012: \$45,000
Putnam RetirementReady 2045 Fund	July 31, 2013: \$147,500	July 31, 2012: \$45,000
Putnam RetirementReady 2040 Fund	July 31, 2013: \$147,500	July 31, 2012: \$45,000
Putnam RetirementReady 2035 Fund	July 31, 2013: \$147,500	July 31, 2012: \$45,000
Putnam RetirementReady 2030 Fund	July 31, 2013: \$147,500	July 31, 2012: \$45,000
Putnam RetirementReady 2025 Fund	July 31, 2013: \$147,500	July 31, 2012: \$45,000
Putnam RetirementReady 2020 Fund	July 31, 2013: \$147,500	July 31, 2012: \$45,000
Putnam RetirementReady 2015 Fund	July 31, 2013: \$147,500	July 31, 2012: \$45,000
Putnam Retirement Income Fund Lifestyle 1	July 31, 2013: \$147,500	July 31, 2012: \$45,000
Putnam Retirement Income Fund Lifestyle 2	Aug. 31, 2013: \$147,500	Aug. 31, 2012: \$45,000
Putnam Retirement Income Fund Lifestyle 3	Feb. 28, 2013: \$147,500	Feb. 29, 2012: \$97,505
Putnam Short Term Investment Fund ⁽¹⁾	July 31, 2013: \$147,500	N/A
Putnam Small Cap Growth Fund	June 30, 2013: \$147,500	June 30, 2012: \$76,005
Putnam Tax Exempt Money Market Fund	Sept. 30, 2013: \$150,000	Sept. 30, 2012: \$45,000
Putnam Tax-Free High Yield Fund	July 31, 2013: \$147,500	July 31, 2012: \$45,000
Putnam Voyager Fund	July 31, 2013: \$147,500	July 31, 2012: \$45,000

Putnam VT Absolute Return 500 Fund	Dec. 31, 2012: \$147,500	Dec. 31, 2011: \$107,505
Putnam VT American Government Income Fund	Dec. 31, 2012: \$147,500	Dec. 31, 2011: \$107,505
Putnam VT Capital Opportunities Fund	Dec. 31, 2012: \$147,500	Dec. 31, 2011: \$107,505
Putnam VT Diversified Income Fund	Dec. 31, 2012: \$147,500	Dec. 31, 2011: \$107,505
Putnam VT Equity Income Fund	Dec. 31, 2012: \$147,500	Dec. 31, 2011: \$107,505
Putnam VT George Putnam Balanced Fund	Dec. 31, 2012: \$147,500	Dec. 31, 2011: \$107,505
Putnam VT Global Asset Allocation Fund	Dec. 31, 2012: \$147,500	Dec. 31, 2011: \$107,505
Putnam VT Global Equity Fund	Dec. 31, 2012: \$147,500	Dec. 31, 2011: \$107,505
Putnam VT Global Health Care Fund	Dec. 31, 2012: \$147,500	Dec. 31, 2011: \$107,505
Putnam VT Global Utilities Fund	Dec. 31, 2012: \$147,500	Dec. 31, 2011: \$107,505
Putnam VT Growth and Income Fund	Dec. 31, 2012: \$147,500	Dec. 31, 2011: \$107,505
Putnam VT Growth Opportunities Fund	Dec. 31, 2012: \$147,500	Dec. 31, 2011: \$107,505
Putnam VT High Yield Fund	Dec. 31, 2012: \$147,500	Dec. 31, 2011: \$107,505
Putnam VT Income Fund	Dec. 31, 2012: \$147,500	Dec. 31, 2011: \$107,505
Putnam VT International Equity Fund	Dec. 31, 2012: \$147,500	Dec. 31, 2011: \$107,505
Putnam VT International Growth Fund	Dec. 31, 2012: \$147,500	Dec. 31, 2011: \$107,505
Putnam VT International Value Fund	Dec. 31, 2012: \$147,500	Dec. 31, 2011: \$107,505
Putnam VT Investors Fund	Dec. 31, 2012: \$147,500	Dec. 31, 2011: \$107,505
Putnam VT Money Market Fund	Dec. 31, 2012: \$147,500	Dec. 31, 2011: \$107,505
Putnam VT Multi-Cap Growth Fund	Dec. 31, 2012: \$147,500	Dec. 31, 2011: \$107,505
Putnam VT Multi-Cap Value Fund	Dec. 31, 2012: \$147,500	Dec. 31, 2011: \$107,505
Putnam VT Research Fund	Dec. 31, 2012: \$147,500	Dec. 31, 2011: \$107,505
Putnam VT Small Cap Value Fund	Dec. 31, 2012: \$147,500	Dec. 31, 2011: \$107,505
Putnam VT Voyager Fund	Dec. 31, 2012: \$147,500	Dec. 31, 2011: \$107,505

(1) The amounts for Putnam Short Term Investment Fund represent fees for the period February 19, 2013 (commencement of operations) to the fiscal period ended July 31, 2013.

Appendix H — Dollar Range and Number of Shares Beneficially Owned

The following tables show the number of shares beneficially owned by each Trustee and officer in each fund, as well as the value of those holdings in each fund and across all funds, as of September 30, 2013. Where the number of shares beneficially owned exceeds 1% percent of the class owned, the percentage is included in parentheses below. None of the Trustees or officers

owned shares of Putnam Money Market Liquidity Fund, Putnam RetirementReady 2055 Fund, Putnam RetirementReady 2045 Fund, Putnam RetirementReady 2035 Fund, or Putnam Short Term Investment Fund as of September 30, 2013. All references in the tables are to Class A shares unless otherwise indicated.

Trustees/Officers	Dollar Range of Shares Owned	Shares Beneficially Owned	Dollar Range of Shares Owned	Shares Beneficially Owned	Dollar Range of Shares Owned	Shares Beneficially Owned
	Putnam Absolute Return 100 Fund		Putnam Absolute Return 300 Fund		Putnam Absolute Return 500 Fund	
Liaquat Ahamed	\$1-\$10,000	100.000	\$1-\$10,000	100.000	\$1-\$10,000	100.000
Ravi Akhoury	\$1-\$10,000	104.643	\$1-\$10,000	106.966	\$1-\$10,000	108.004
Barbara M. Baumann	\$1-\$10,000	104.298	\$50,001-\$100,000	6,488.024	\$10,001-\$50,000	2,691.723
Jameson A. Baxter	\$10,001-\$50,000	1,045.368	Over \$100,000	38,720.560	Over \$100,000	202,037.729
Charles B. Curtis	\$1-\$10,000	104.643	\$1-\$10,000	106.966	\$1-\$10,000	108.004
Robert J. Darretta	\$1-\$10,000	104.643	\$1-\$10,000	106.966	\$1-\$10,000	108.004
Katinka Domotorffy	\$1-\$10,000	100.000	\$1-\$10,000	100.000	\$1-\$10,000	100.000
John A. Hill	Over \$100,000	50,441.354	Over \$100,000	74,137.906	Over \$100,000	24,810.108
Paul L. Joskow	\$1-\$10,000	156.962	\$50,001-\$100,000	7,472.394	Over \$100,000	14,015.141
Kenneth R. Leibler	\$1-\$10,000	104.643	\$1-\$10,000	106.966	\$1-\$10,000	108.004
Robert E. Patterson	\$10,001-\$50,000	2,110.387	\$10,001-\$50,000	2,068.902	\$10,001-\$50,000	2,044.506
George Putnam, III	\$10,001-\$50,000	1,046.411	\$10,001-\$50,000	1,066.463	\$10,001-\$50,000	1,094.258
*Robert L. Reynolds	\$1-\$10,000	104.643	\$1-\$10,000	106.966	Over \$100,000	29,432.576
W. Thomas Stephens	Over \$100,000	139,505.146	Over \$100,000	121,498.303	\$1-\$10,000	108.004
Trustees and Officers as a group	Over \$100,000	195,133.141 (Class Y shares) (2.65%)	Over \$100,000 (Class A shares) Over \$100,000 (Class Y shares)	16,618.449 (Class A shares) 253,215.615 (Class Y shares) (1.13%)	Over \$100,000 (Class A shares) Over \$100,000 (Class Y shares)	31,173.258 (Class A shares) 279,340.060 (Class Y shares) (1.46%)
	Putnam Absolute Return 700 Fund		Putnam American Government Income Fund		Putnam AMT-Free Municipal Fund	
Liaquat Ahamed	\$1-\$10,000	100.000	\$1-\$10,000	100.000	\$1-\$10,000	100.000
Ravi Akhoury	\$1-\$10,000	109.654	\$1-\$10,000	132.521	\$1-\$10,000	119.842
Barbara M. Baumann	\$1-\$10,000	107.723	\$1-\$10,000	122.963	\$1-\$10,000	112.630
Jameson A. Baxter	\$10,001-\$50,000	1,090.009	\$1-\$10,000	590.202	\$10,001-\$50,000	695.050
Charles B. Curtis	\$1-\$10,000	109.654	\$1-\$10,000	179.473	\$1-\$10,000	171.528
Robert J. Darretta	\$1-\$10,000	109.654	\$1-\$10,000	142.889	\$1-\$10,000	128.025
Katinka Domotorffy	\$10,001-\$50,000	1,143.054	\$1-\$10,000	101.553	\$1-\$10,000	102.605
John A. Hill	Over \$100,000	24,155.063	\$1-\$10,000	1,019.479	\$1-\$10,000	244.913
Paul L. Joskow	\$50,001-\$100,000	5,983.578	\$10,001-\$50,000	2,112.796	\$1-\$10,000	196.329
Kenneth R. Leibler	\$1-\$10,000	109.654	\$1-\$10,000	147.323	\$1-\$10,000	132.281
Robert E. Patterson	\$10,001-\$50,000	1,992.929	\$10,001-\$50,000	1,766.732	\$1-\$10,000	145.993
George Putnam, III	\$10,001-\$50,000	886.994	\$10,001-\$50,000	4,487.381	\$10,001-\$50,000	1,054.839
*Robert L. Reynolds	Over \$100,000	36,497.522	\$1-\$10,000	133.515	\$1-\$10,000	120.803
W. Thomas Stephens	\$1-\$10,000	109.654	\$1-\$10,000	465.140	\$1-\$10,000	206.715
Trustees and Officers as a group	Over \$100,000 (Class Y shares)	73,536.655 (Class Y shares)	Over \$100,000 (Class Y shares)	14,615.695 (Class Y shares)	\$50,001-\$100,000 (Class Y shares)	3,531.553 (Class Y shares)

Trustees/Officers	Dollar Range of Shares Owned	Shares Beneficially Owned	Dollar Range of Shares Owned	Shares Beneficially Owned	Dollar Range of Shares Owned	Shares Beneficially Owned
	Putnam Arizona Tax Exempt Income Fund		Putnam Asia Pacific Equity Fund		Putnam California Tax Exempt Income Fund	
Liaquat Ahamed	\$1-\$10,000	100.000	\$1-\$10,000	100.000	\$1-\$10,000	100.000
Ravi Akhoury	\$1-\$10,000	119.758	\$1-\$10,000	128.250	\$1-\$10,000	122.196
Barbara M. Baumann	\$1-\$10,000	112.404	\$1-\$10,000	123.269	\$1-\$10,000	113.823
Jameson A. Baxter	\$1-\$10,000	236.660	\$10,001-\$50,000	3,295.194	\$1-\$10,000	317.513
Charles B. Curtis	\$1-\$10,000	169.147	\$1-\$10,000	128.250	\$1-\$10,000	183.472
Robert J. Darretta	\$1-\$10,000	129.424	\$1-\$10,000	128.250	\$1-\$10,000	131.811
Katinka Domotorffy	\$1-\$10,000	102.586	\$1-\$10,000	100.000	\$1-\$10,000	102.837
John A. Hill	\$1-\$10,000	284.578	\$1-\$10,000	128.250	\$1-\$10,000	252.621
Paul L. Joskow	\$1-\$10,000	211.107	\$1-\$10,000	333.289	\$1-\$10,000	245.637
Kenneth R. Leibler	\$1-\$10,000	133.828	\$1-\$10,000	128.250	\$1-\$10,000	136.711
Robert E. Patterson	\$1-\$10,000	147.614	\$1-\$10,000	128.250	\$1-\$10,000	156.353
George Putnam, III	\$10,001-\$50,000	1,647.150	\$10,001-\$50,000	1,318.079	\$10,001-\$50,000	1,993.213
*Robert L. Reynolds	\$1-\$10,000	121.138	\$1-\$10,000	128.250	\$1-\$10,000	123.455
W. Thomas Stephens	\$1-\$10,000	201.619	\$1-\$10,000	128.250	\$1-\$10,000	222.009
Trustees and Officers as a group	\$10,001-\$50,000 (Class Y shares)	3,717.013 (Class Y shares) (1.20%)	\$50,001-\$100,000 (Class Y shares)	6,295.831 (Class Y shares) (8.71%)	\$10,001-\$50,000 (Class Y shares)	4,201.651 (Class Y shares)
	Putnam Capital Opportunities Fund		Putnam Capital Spectrum Fund		Putnam Convertible Securities Fund	
Liaquat Ahamed	\$1-\$10,000	100.000	\$1-\$10,000	100.000	\$1-\$10,000	100.000
Ravi Akhoury	\$1-\$10,000	98.309	\$1-\$10,000	115.092	\$1-\$10,000	116.151
Barbara M. Baumann	\$1-\$10,000	97.968	\$50,001-\$100,000	1,797.286	\$1-\$10,000	110.090
Jameson A. Baxter	\$10,001-\$50,000	2,063.767	Over \$100,000	7,758.620	Over \$100,000	8,448.000
Charles B. Curtis	\$1-\$10,000	153.944	\$50,001-\$100,000	2,908.455	\$1-\$10,000	152.935
Robert J. Darretta	\$1-\$10,000	109.298	Over \$100,000	8,367.237	\$1-\$10,000	121.629
Katinka Domotorffy	\$1-\$10,000	100.000	\$1-\$10,000	272.568	\$1-\$10,000	102.122
John A. Hill	Over \$100,000	20,414.156	Over \$100,000	38,830.403	Over \$100,000	43,541.187
Paul L. Joskow	\$1-\$10,000	265.527	Over \$100,000	6,552.954	\$50,001-\$100,000	2,428.772
Kenneth R. Leibler	\$1-\$10,000	123.183	\$1-\$10,000	115.092	\$1-\$10,000	124.045
Robert E. Patterson	\$10,001-\$50,000	2,196.891	\$10,001-\$50,000	1,190.590	\$50,001-\$100,000	3,118.308
George Putnam, III	\$10,001-\$50,000	1,724.396	Over \$100,000	29,220.627	Over \$100,000	15,499.206
*Robert L. Reynolds	\$1-\$10,000	98.309	Over \$100,000	86,077.911	\$1-\$10,000	116.151
W. Thomas Stephens	\$1-\$10,000	144.616	\$1-\$10,000	115.092	\$1-\$10,000	247.656
Trustees and Officers as a group	Over \$100,000 (Class Y shares)	27,690.364 (Class Y shares)	Over \$100,000 (Class A shares) Over \$100,000 (Class Y shares)	32,944.531 (Class A shares) 193,446.338 (Class Y shares)	Over \$100,000 (Class Y shares)	74,226.252 (Class Y shares)

Trustees/Officers	Dollar Range of Shares Owned	Shares Beneficially Owned	Dollar Range of Shares Owned	Shares Beneficially Owned	Dollar Range of Shares Owned	Shares Beneficially Owned
	Putnam Diversified Income Trust		Putnam Dynamic Asset Allocation Balanced Fund		Putnam Dynamic Asset Allocation Conservative Fund	
Liaquat Ahamed	\$1-\$10,000	100.000	\$1-\$10,000	100.000	\$1-\$10,000	100.000
Ravi Akhoury	\$1-\$10,000	149.929	\$1-\$10,000	116.513	\$1-\$10,000	115.636
Barbara M. Baumann	\$1-\$10,000	122.176	\$10,001-\$50,000	1,483.833	\$1-\$10,000	107.061
Jameson A. Baxter	Over \$100,000	15,353.920	Over \$100,000	29,369.510	\$10,001-\$50,000	1,534.204
Charles B. Curtis	\$1-\$10,000	430.698	\$1-\$10,000	146.274	\$1-\$10,000	179.715
Robert J. Darretta	\$1-\$10,000	168.961	\$1-\$10,000	123.776	\$1-\$10,000	123.123
Katinka Domotorffy	\$1-\$10,000	104.590	\$1-\$10,000	101.290	\$1-\$10,000	101.399
John A. Hill	Over \$100,000	544,921.566	Over \$100,000	257,779.469	Over \$100,000	139,856.049
Paul L. Joskow	\$1-\$10,000	672.594	Over \$100,000	12,850.285	\$1-\$10,000	310.287
Kenneth R. Leibler	\$1-\$10,000	175.946	\$1-\$10,000	125.241	\$1-\$10,000	125.837
Robert E. Patterson	\$10,001-\$50,000	2,437.688	\$10,001-\$50,000	1,459.345	\$10,001-\$50,000	1,541.141
George Putnam, III	\$50,001-\$100,000	9,433.961	\$10,001-\$50,000	3,683.005	\$50,001-\$100,000	5,666.704
*Robert L. Reynolds	\$1-\$10,000	152.816	\$1-\$10,000	116.513	\$1-\$10,000	116.625
W. Thomas Stephens	\$1-\$10,000	584.320	Over \$100,000	72,528.287	\$50,001-\$100,000	6,314.521
Trustees and Officers as a group	Over \$100,000 (Class Y shares)	608,584.148 (Class Y shares)	Over \$100,000 (Class Y shares)	379,983.341 (Class Y shares) (4.35%)	Over \$100,000 (Class Y shares)	156,192.302 (Class Y shares) (2.51%)
	Putnam Dynamic Asset Allocation Equity Fund		Putnam Dynamic Asset Allocation Growth Fund		Putnam Dynamic Risk Allocation Fund	
Liaquat Ahamed	\$0	0.000	\$1-\$10,000	100.000	\$1-\$10,000	100.000
Ravi Akhoury	\$1-\$10,000	179.092	\$1-\$10,000	109.319	\$1-\$10,000	105.350
Barbara M. Baumann	\$0	0.000	\$10,001-\$50,000	1,274.465	Over \$100,000	27,521.836
Jameson A. Baxter	\$0	0.000	Over \$100,000	37,956.655	Over \$100,000	18,418.218
Charles B. Curtis	\$0	0.000	Over \$100,000	14,315.700	\$1-\$10,000	103.963
Robert J. Darretta	\$0	0.000	\$1-\$10,000	117.189	\$0	0.000
Katinka Domotorffy	\$0	0.000	\$10,001-\$50,000	954.790	\$10,001-\$50,000	1,275.497
John A. Hill	\$0	0.000	Over \$100,000	63,309.937	\$10,001-\$50,000	937.207
Paul L. Joskow	\$0	0.000	\$10,001-\$50,000	1,256.492	\$1-\$10,000	160.270
Kenneth R. Leibler	\$0	0.000	\$1-\$10,000	117.613	\$1-\$10,000	103.963
Robert E. Patterson	\$0	0.000	\$10,001-\$50,000	2,626.905	\$1-\$10,000	519.818
George Putnam, III	\$0	0.000	Over \$100,000	21,140.250	\$10,001-\$50,000	1,261.438
*Robert L. Reynolds	\$1-\$10,000	179.092	\$1-\$10,000	109.319	Over \$100,000	79,769.517
W. Thomas Stephens	\$0	0.000	\$1-\$10,000	119.952	\$1-\$10,000	103.963
Trustees and Officers as a group	\$1-\$10,000 (Class A shares)	358.184 (Class A shares) (12.94%)	Over \$100,000 (Class Y shares)	181,838.825 (Class Y shares) (2.20%)	Over \$100,000 (Class Y shares)	130,381.041 (Class Y shares)

Trustees/Officers	Dollar Range of Shares Owned	Shares Beneficially Owned	Dollar Range of Shares Owned	Shares Beneficially Owned	Dollar Range of Shares Owned	Shares Beneficially Owned
	Putnam Emerging Markets Equity Fund		Putnam Emerging Markets Income Fund		Putnam Equity Income Fund	
Liaquat Ahamed	\$50,001-\$100,000	9,606.538	\$1-\$10,000	100.354	Over \$100,000	5,033.215
Ravi Akhoury	\$1-\$10,000	123.976	\$1-\$10,000	101.889	\$1-\$10,000	112.711
Barbara M. Baumann	\$1-\$10,000	118.864	\$10,001-\$50,000	3,495.505	\$1-\$10,000	109.771
Jameson A. Baxter	\$10,001-\$50,000	4,578.095	\$10,001-\$50,000	4,989.678	Over \$100,000	21,612.177
Charles B. Curtis	\$1-\$10,000	123.976	\$1-\$10,000	101.889	\$1-\$10,000	305.678
Robert J. Darretta	Over \$100,000	21,120.632	\$1-\$10,000	101.889	\$1-\$10,000	232.375
Katinka Domotorffy	\$1-\$10,000	100.000	\$1-\$10,000	101.889	\$1-\$10,000	101.417
John A. Hill	Over \$100,000	27,798.834	\$1-\$10,000	101.889	Over \$100,000	44,660.143
Paul L. Joskow	\$1-\$10,000	197.098	\$1-\$10,000	153.141	Over \$100,000	21,643.023
Kenneth R. Leibler	\$1-\$10,000	123.976	\$1-\$10,000	137.623	\$1-\$10,000	106.435
Robert E. Patterson	\$10,001-\$50,000	3,161.419	\$1-\$10,000	510.468	\$10,001-\$50,000	2,210.809
George Putnam, III	\$50,001-\$100,000	10,016.065	\$10,001-\$50,000	1,219.014	Over \$100,000	67,938.260
*Robert L. Reynolds	Over \$100,000	35,063.094	\$0	0.000	\$1-\$10,000	112.711
W. Thomas Stephens	\$1-\$10,000	123.976	\$1-\$10,000	101.889	\$1-\$10,000	405.084
Trustees and Officers as a group	Over \$100,000 (Class Y shares)	112,256.543 (Class Y shares) (18.00%)	Over \$100,000 (Class Y shares)	11,217.117 (Class Y shares) (19.25%)	Over \$100,000 (Class Y shares)	183,321.509 (Class Y shares)
	Putnam Equity Spectrum Fund		Putnam Europe Equity Fund		Putnam Floating Rate Income Fund	
Liaquat Ahamed	\$1-\$10,000	100.000	\$1-\$10,000	100.000	\$1-\$10,000	100.000
Ravi Akhoury	\$1-\$10,000	113.162	\$1-\$10,000	109.352	\$1-\$10,000	123.733
Barbara M. Baumann	\$10,001-\$50,000	781.358	\$1-\$10,000	108.826	\$1-\$10,000	116.065
Jameson A. Baxter	Over \$100,000	7,246.957	\$50,001-\$100,000	3,050.605	\$10,001-\$50,000	3,095.213
Charles B. Curtis	Over \$100,000	2,651.288	\$1-\$10,000	146.502	\$1-\$10,000	150.959
Robert J. Darretta	\$1-\$10,000	113.162	\$1-\$10,000	133.416	\$1-\$10,000	136.357
Katinka Domotorffy	\$10,001-\$50,000	330.999	\$1-\$10,000	100.000	\$1-\$10,000	103.183
John A. Hill	Over \$100,000	38,269.936	Over \$100,000	5,758.005	Over \$100,000	185,757.262
Paul L. Joskow	Over \$100,000	2,968.347	\$10,001-\$50,000	649.107	\$1-\$10,000	278.337
Kenneth R. Leibler	\$1-\$10,000	113.162	\$1-\$10,000	136.314	\$1-\$10,000	143.048
Robert E. Patterson	\$10,001-\$50,000	1,069.762	\$10,001-\$50,000	1,479.521	\$10,001-\$50,000	1,504.097
George Putnam, III	\$10,001-\$50,000	1,245.336	\$10,001-\$50,000	1,304.702	\$10,001-\$50,000	5,414.717
*Robert L. Reynolds	Over \$100,000	26,822.511	\$1-\$10,000	109.352	\$1-\$10,000	125.077
W. Thomas Stephens	\$1-\$10,000	113.162	\$1-\$10,000	180.923	\$50,001-\$100,000	8,180.438
Trustees and Officers as a group	Over \$100,000 (Class A shares) Over \$100,000 (Class Y shares)	39,521.217 (Class A shares) 89,442.144 (Class Y shares)	Over \$100,000 (Class Y shares)	13,366.624 (Class Y shares) (2.39%)	Over \$100,000 (Class Y shares)	206,809.472 (Class Y shares)
	The Putnam Fund for Growth and Income		The George Putnam Fund of Boston (d/b/a George Putnam Balanced Fund)		Putnam Global Consumer Fund	
Liaquat Ahamed	\$1-\$10,000	100.000	\$1-\$10,000	100.000	\$1-\$10,000	100.000
Ravi Akhoury	Over \$100,000	7,243.008	\$1-\$10,000	108.848	\$1-\$10,000	123.616
Barbara M. Baumann	\$10,001-\$50,000	1,790.177	\$1-\$10,000	104.772	\$1-\$10,000	119.409
Jameson A. Baxter	Over \$100,000	15,159.070	Over \$100,000	15,569.572	\$10,001-\$50,000	651.294
Charles B. Curtis	\$1-\$10,000	286.941	\$1-\$10,000	389.724	\$1-\$10,000	123.616
Robert J. Darretta	\$1-\$10,000	234.871	\$1-\$10,000	131.391	\$1-\$10,000	123.616
Katinka Domotorffy	\$1-\$10,000	100.993	\$1-\$10,000	101.244	\$1-\$10,000	100.000
John A. Hill	Over \$100,000	61,769.013	Over \$100,000	24,273.749	\$1-\$10,000	100.000
Paul L. Joskow	Over \$100,000	9,351.476	\$10,001-\$50,000	2,505.334	\$1-\$10,000	180.547
Kenneth R. Leibler	\$1-\$10,000	253.445	\$1-\$10,000	145.756	\$1-\$10,000	123.616
Robert E. Patterson	\$10,001-\$50,000	1,453.591	\$10,001-\$50,000	1,546.096	\$10,001-\$50,000	966.899
George Putnam, III	Over \$100,000	14,861.585	Over \$100,000	88,710.764	\$10,001-\$50,000	1,392.068
*Robert L. Reynolds	Over \$100,000	56,077.644	\$1-\$10,000	110.529	\$1-\$10,000	123.616
W. Thomas Stephens	\$1-\$10,000	387.739	\$1-\$10,000	386.516	\$1-\$10,000	123.616
Trustees and Officers as a group	Over \$100,000 (Class Y shares)	187,750.104 (Class Y shares) (7.80%)	Over \$100,000	142,891.035 (Class Y shares) (2.00%)	\$50,001-\$100,000 (Class Y shares)	4,351.913 (Class Y shares) (2.35%)

Trustees/Officers	Dollar Range of Shares Owned	Shares Beneficially Owned	Dollar Range of Shares Owned	Shares Beneficially Owned	Dollar Range of Shares Owned	Shares Beneficially Owned
	Putnam Global Dividend Fund		Putnam Global Energy Fund		Putnam Global Equity Fund	
Liaquat Ahamed	\$1-\$10,000	100.000	\$1-\$10,000	100.000	\$1-\$10,000	100.000
Ravi Akhoury	\$1-\$10,000	100.736	\$1-\$10,000	112.684	Over \$100,000	31,993.300
Barbara M. Baumann	\$10,001-\$50,000	1,037.433	\$1-\$10,000	109.797	\$10,001-\$50,000	1,818.281
Jameson A. Baxter	\$50,001-\$100,000	4,787.845	\$1-\$10,000	543.313	Over \$100,000	11,740.043
Charles B. Curtis	\$1-\$10,000	100.736	\$1-\$10,000	112.684	\$1-\$10,000	471.303
Robert J. Darretta	\$1-\$10,000	100.736	\$1-\$10,000	112.684	\$1-\$10,000	107.371
Katinka Domotorffy	\$1-\$10,000	100.736	\$1-\$10,000	100.000	\$1-\$10,000	100.000
John A. Hill	\$1-\$10,000	100.736	\$1-\$10,000	100.000	Over \$100,000	40,281.555
Paul L. Joskow	\$1-\$10,000	150.953	\$1-\$10,000	155.926	\$1-\$10,000	680.497
Kenneth R. Leibler	\$1-\$10,000	172.087	\$1-\$10,000	112.684	\$1-\$10,000	109.075
Robert E. Patterson	\$1-\$10,000	499.684	\$10,001-\$50,000	961.207	\$50,001-\$100,000	5,502.941
George Putnam, III	\$10,001-\$50,000	1,208.835	\$10,001-\$50,000	1,252.032	Over \$100,000	131,724.514
*Robert L. Reynolds	\$0	0.000	\$1-\$10,000	112.684	Over \$100,000	84,469.387
W. Thomas Stephens	\$1-\$10,000	100.736	\$1-\$10,000	112.684	\$1-\$10,000	664.537
Trustees and Officers as a group	\$50,001-\$100,000 (Class Y shares)	8,561.253 (Class Y shares) (25.30%)	\$50,001-\$100,000 (Class Y shares)	3,998.379 (Class Y shares) (4.01%)	Over \$100,000 (Class Y shares)	349,947.858 (Class Y shares) (15.76%)
	Putnam Global Financials Fund		Putnam Global Health Care Fund		Putnam Global Income Trust	
Liaquat Ahamed	\$1-\$10,000	100.000	\$1-\$10,000	100.000	\$1-\$10,000	100.000
Ravi Akhoury	\$1-\$10,000	118.048	\$1-\$10,000	100.000	\$1-\$10,000	135.892
Barbara M. Baumann	\$1-\$10,000	112.336	\$1-\$10,000	124.348	\$1-\$10,000	114.699
Jameson A. Baxter	\$1-\$10,000	677.665	\$10,001-\$50,000	284.691	\$10,001-\$50,000	1,407.542
Charles B. Curtis	\$1-\$10,000	118.048	\$10,001-\$50,000	202.365	\$1-\$10,000	203.128
Robert J. Darretta	\$1-\$10,000	118.048	\$1-\$10,000	159.427	\$1-\$10,000	148.369
Katinka Domotorffy	\$1-\$10,000	100.000	\$1-\$10,000	100.000	\$1-\$10,000	102.495
John A. Hill	\$1-\$10,000	100.000	Over \$100,000	5,814.358	\$10,001-\$50,000	828.491
Paul L. Joskow	\$1-\$10,000	170.922	\$10,001-\$50,000	658.879	\$1-\$10,000	279.523
Kenneth R. Leibler	\$1-\$10,000	118.048	\$10,001-\$50,000	176.238	\$1-\$10,000	152.733
Robert E. Patterson	\$10,001-\$50,000	952.640	\$10,001-\$50,000	451.269	\$10,001-\$50,000	1,225.932
George Putnam, III	\$10,001-\$50,000	1,648.729	Over \$100,000	5,550.336	\$50,001-\$100,000	5,855.879
*Robert L. Reynolds	\$1-\$10,000	118.048	\$1-\$10,000	124.758	Over \$100,000	53,972.042
W. Thomas Stephens	\$1-\$10,000	118.048	\$10,001-\$50,000	270.003	\$1-\$10,000	254.854
Trustees and Officers as a group	\$50,001-\$100,000 (Class Y shares)	4,570.580 (Class Y shares) (1.32%)	Over \$100,000 (Class Y shares)	14,116.672 (Class Y shares) (2.67%)	Over \$100,000 (Class Y shares)	64,781.579 (Class Y shares) (1.93%)
	Putnam Global Industrials Fund		Putnam Global Natural Resources Fund		Putnam Global Sector Fund	
Liaquat Ahamed	\$1-\$10,000	100.000	\$1-\$10,000	100.000	\$0	0.000
Ravi Akhoury	Over \$100,000	6,123.831	\$1-\$10,000	100.000	\$1-\$10,000	115.385
Barbara M. Baumann	\$1-\$10,000	116.690	\$1-\$10,000	105.303	\$1-\$10,000	115.385
Jameson A. Baxter	\$10,001-\$50,000	632.441	\$10,001-\$50,000	1,531.423	\$10,001-\$50,000	1,210.751
Charles B. Curtis	\$1-\$10,000	121.430	\$1-\$10,000	243.405	\$1-\$10,000	115.385
Robert J. Darretta	\$1-\$10,000	121.430	\$1-\$10,000	151.832	\$1-\$10,000	115.385
Katinka Domotorffy	\$1-\$10,000	100.000	\$1-\$10,000	100.000	\$1-\$10,000	100.000
John A. Hill	\$1-\$10,000	100.000	Over \$100,000	13,314.092	\$1-\$10,000	100.000
Paul L. Joskow	\$1-\$10,000	171.026	\$1-\$10,000	265.023	\$1-\$10,000	174.119
Kenneth R. Leibler	\$1-\$10,000	121.430	\$1-\$10,000	170.275	\$1-\$10,000	115.385
Robert E. Patterson	\$10,001-\$50,000	954.932	\$10,001-\$50,000	552.319	\$10,001-\$50,000	3,373.430
George Putnam, III	\$10,001-\$50,000	1,499.116	Over \$100,000	7,087.907	\$10,001-\$50,000	2,319.288
*Robert L. Reynolds	\$1-\$10,000	121.430	\$1-\$10,000	106.420	Over \$100,000	35,210.585
W. Thomas Stephens	\$1-\$10,000	121.430	\$1-\$10,000	308.912	\$1-\$10,000	115.385
Trustees and Officers as a group	Over \$100,000 (Class Y shares)	10,405.186 (Class Y shares) (9.48%)	Over \$100,000 (Class Y shares)	24,136.911 (Class Y shares) (1.04%)	Over \$100,000 (Class Y shares)	43,614.711 (Class Y shares) (16.21%)

Trustees/Officers	Dollar Range of Shares Owned	Shares Beneficially Owned	Dollar Range of Shares Owned	Shares Beneficially Owned	Dollar Range of Shares Owned	Shares Beneficially Owned
	Putnam Global Technology Fund		Putnam Global Telecommunications Fund		Putnam Global Utilities Fund	
Liaquat Ahamed	\$1-\$10,000	100.000	\$1-\$10,000	100.000	\$1-\$10,000	100.000
Ravi Akhoury	Over \$100,000	6,442.709	\$1-\$10,000	118.604	\$1-\$10,000	115.940
Barbara M. Baumann	\$1-\$10,000	107.004	\$1-\$10,000	114.516	\$1-\$10,000	110.207
Jameson A. Baxter	\$1-\$10,000	543.000	\$10,001-\$50,000	630.868	\$1-\$10,000	784.327
Charles B. Curtis	\$1-\$10,000	113.595	\$1-\$10,000	118.604	\$1-\$10,000	142.713
Robert J. Darretta	\$1-\$10,000	113.595	\$1-\$10,000	118.604	\$1-\$10,000	119.959
Katinka Domotorffy	\$1-\$10,000	100.000	\$1-\$10,000	100.000	\$1-\$10,000	102.009
John A. Hill	\$1-\$10,000	100.000	\$1-\$10,000	100.000	\$10,001-\$50,000	4,082.111
Paul L. Joskow	\$1-\$10,000	160.747	\$1-\$10,000	175.448	\$10,001-\$50,000	1,196.697
Kenneth R. Leibler	\$1-\$10,000	113.595	\$1-\$10,000	118.604	\$1-\$10,000	121.175
Robert E. Patterson	\$10,001-\$50,000	807.525	\$10,001-\$50,000	1,155.893	\$1-\$10,000	868.137
George Putnam, III	\$10,001-\$50,000	1,232.058	\$10,001-\$50,000	1,392.059	\$10,001-\$50,000	2,631.185
*Robert L. Reynolds	\$1-\$10,000	113.595	\$1-\$10,000	118.604	\$1-\$10,000	115.940
W. Thomas Stephens	\$1-\$10,000	113.595	\$1-\$10,000	118.604	\$1-\$10,000	197.897
Trustees and Officers as a group	Over \$100,000 (Class Y shares)	10,161.018 (Class Y shares) (9.42%)	\$50,001-\$100,000 (Class Y shares)	4,480.408 (Class Y shares) (1.97%)	Over \$100,000 (Class Y shares)	10,688.297 (Class Y shares) (3.36%)
	Putnam Growth Opportunities Fund		Putnam High Income Securities Fund		Putnam High Yield Advantage Fund	
Liaquat Ahamed	\$1-\$10,000	100.000	\$1-\$10,000	100.000	\$1-\$10,000	100.000
Ravi Akhoury	\$1-\$10,000	97.919	\$1-\$10,000	100.000	\$1-\$10,000	134.237
Barbara M. Baumann	\$1-\$10,000	97.508	\$1-\$10,000	100.000	\$1-\$10,000	119.319
Jameson A. Baxter	\$10,001-\$50,000	469.622	\$10,001-\$50,000	2,535.933	\$10,001-\$50,000	4,141.809
Charles B. Curtis	\$1-\$10,000	103.734	\$1-\$10,000	594.893	\$1-\$10,000	259.163
Robert J. Darretta	\$1-\$10,000	97.919	\$1-\$10,000	100.000	\$1-\$10,000	153.583
Katinka Domotorffy	\$1-\$10,000	100.072	\$1-\$10,000	100.000	\$1-\$10,000	104.598
John A. Hill	\$50,001-\$100,000	2,480.183	Over \$100,000	101,499.504	Over \$100,000	24,753.084
Paul L. Joskow	\$10,001-\$50,000	817.361	\$1-\$10,000	334.000	\$10,001-\$50,000	6,489.662
Kenneth R. Leibler	\$1-\$10,000	97.919	\$1-\$10,000	100.000	\$1-\$10,000	162.202
Robert E. Patterson	\$10,001-\$50,000	2,101.890	\$1-\$10,000	1,084.000	\$10,001-\$50,000	3,140.674
George Putnam, III	\$50,001-\$100,000	2,727.960	\$10,001-\$50,000	1,670.000	\$10,001-\$50,000	5,632.384
*Robert L. Reynolds	\$1-\$10,000	97.919	\$1-\$10,000	100.000	\$1-\$10,000	136.411
W. Thomas Stephens	\$1-\$10,000	96.202	\$1-\$10,000	100.000	\$1-\$10,000	367.009
Trustees and Officers as a group	Over \$100,000 (Class Y shares)	9,486.208 (Class Y shares) (1.83%)	Over \$100,000	108,518.330	Over \$100,000 (Class Y shares)	45,694.134 (Class Y shares)
	Putnam High Yield Trust		Putnam Income Fund		Putnam Intermediate-Term Municipal Income Fund	
Liaquat Ahamed	\$1-\$10,000	100.000	\$1-\$10,000	100.000	\$1-\$10,000	100.000
Ravi Akhoury	\$1-\$10,000	140.929	\$1-\$10,000	125.327	\$1-\$10,000	100.481
Barbara M. Baumann	\$1-\$10,000	125.163	\$1-\$10,000	111.868	\$1-\$10,000	107.435
Jameson A. Baxter	Over \$100,000	25,520.140	\$50,001-\$100,000	10,057.203	\$10,001-\$50,000	2,482.449
Charles B. Curtis	\$1-\$10,000	737.556	\$1-\$10,000	184.501	\$1-\$10,000	100.481
Robert J. Darretta	\$1-\$10,000	160.722	\$1-\$10,000	140.529	\$1-\$10,000	100.468
Katinka Domotorffy	\$1-\$10,000	104.914	\$1-\$10,000	102.678	\$1-\$10,000	100.477
John A. Hill	Over \$100,000	23,816.490	Over \$100,000	123,371.447	\$1-\$10,000	100.482
Paul L. Joskow	\$50,001-\$100,000	11,754.080	\$1-\$10,000	314.336	\$1-\$10,000	150.139
Kenneth R. Leibler	\$1-\$10,000	169.657	\$1-\$10,000	145.627	\$1-\$10,000	141.209
Robert E. Patterson	\$10,001-\$50,000	2,552.998	\$10,001-\$50,000	2,205.501	\$1-\$10,000	150.137
George Putnam, III	Over \$100,000	17,961.793	\$50,001-\$100,000	9,029.830	\$10,001-\$50,000	1,191.164
*Robert L. Reynolds	Over \$100,000	86,573.951	Over \$100,000	270,420.061	\$0	0.000
W. Thomas Stephens	\$1-\$10,000	657.898	\$1-\$10,000	223.778	\$1-\$10,000	100.464
Trustees and Officers as a group	Over \$100,000 (Class Y shares)	173,464.389 (Class Y shares)	Over \$100,000 (Class Y shares)	416,532.685 (Class Y shares) (2.06%)	\$50,001-\$100,000 (Class Y shares)	4,925.386 (Class Y shares) (71.06%)

Trustees/Officers	Dollar Range of Shares Owned	Shares Beneficially Owned	Dollar Range of Shares Owned	Shares Beneficially Owned	Dollar Range of Shares Owned	Shares Beneficially Owned
	Putnam International Capital Opportunities Fund		Putnam International Equity Fund		Putnam International Growth Fund	
Liaquat Ahamed	\$1-\$10,000	100.000	\$1-\$10,000	100.000	\$1-\$10,000	100.000
Ravi Akhoury	\$1-\$10,000	105.863	\$1-\$10,000	110.623	\$1-\$10,000	107.890
Barbara M. Baumann	\$1-\$10,000	105.456	\$50,001-\$100,000	2,497.851	\$1-\$10,000	105.224
Jameson A. Baxter	Over \$100,000	5,722.878	Over \$100,000	9,092.764	\$50,001-\$100,000	3,872.102
Charles B. Curtis	Over \$100,000	4,955.663	Over \$100,000	7,346.703	\$1-\$10,000	114.312
Robert J. Darretta	\$1-\$10,000	113.797	\$1-\$10,000	136.522	\$1-\$10,000	109.354
Katinka Domotorffy	\$1-\$10,000	100.000	\$1-\$10,000	100.000	\$1-\$10,000	100.000
John A. Hill	\$10,001-\$50,000	908.420	Over \$100,000	26,187.209	\$50,001-\$100,000	5,304.943
Paul L. Joskow	\$10,001-\$50,000	485.776	\$50,001-\$100,000	3,802.013	\$10,001-\$50,000	1,539.402
Kenneth R. Leibler	\$1-\$10,000	116.102	\$1-\$10,000	146.016	\$1-\$10,000	109.840
Robert E. Patterson	\$50,001-\$100,000	2,082.100	\$50,001-\$100,000	3,710.962	\$50,001-\$100,000	4,327.143
George Putnam, III	\$50,001-\$100,000	1,959.194	Over \$100,000	6,094.261	Over \$100,000	7,844.186
*Robert L. Reynolds	\$1-\$10,000	105.863	Over \$100,000	11,451.057	\$1-\$10,000	107.890
W. Thomas Stephens	\$1-\$10,000	137.788	\$1-\$10,000	260.595	\$1-\$10,000	159.563
Trustees and Officers as a group	Over \$100,000 (Class Y shares)	18,971.674 (Class Y shares)	Over \$100,000 (Class Y shares)	76,185.736 (Class Y shares) (2.95%)	Over \$100,000 (Class Y shares)	25,408.425 (Class Y shares) (2.38%)
	Putnam International Value Fund		Putnam Investors Fund		Putnam Low Volatility Equity Fund	
Liaquat Ahamed	Over \$100,000	9,373.118	\$1-\$10,000	100.000	\$1-\$10,000	100.000
Ravi Akhoury	\$1-\$10,000	108.945	\$1-\$10,000	102.861	\$1-\$10,000	100.000
Barbara M. Baumann	\$1-\$10,000	108.582	\$1-\$10,000	101.465	\$10,001-\$50,000	1,457.058
Jameson A. Baxter	Over \$100,000	9,540.159	Over \$100,000	17,145.040	\$10,001-\$50,000	4,859.086
Charles B. Curtis	\$1-\$10,000	155.173	\$1-\$10,000	349.328	\$1-\$10,000	100.000
Robert J. Darretta	\$1-\$10,000	131.595	\$1-\$10,000	338.464	\$1-\$10,000	100.000
Katinka Domotorffy	\$1-\$10,000	100.000	\$1-\$10,000	100.000	\$1-\$10,000	100.000
John A. Hill	Over \$100,000	19,658.557	Over \$100,000	96,287.437	\$1-\$10,000	100.003
Paul L. Joskow	\$10,001-\$50,000	1,110.449	Over \$100,000	8,444.064	\$1-\$10,000	148.221
Kenneth R. Leibler	\$1-\$10,000	144.879	\$1-\$10,000	338.690	\$1-\$10,000	168.972
Robert E. Patterson	\$50,001-\$100,000	8,171.186	\$50,001-\$100,000	4,961.210	\$1-\$10,000	147.638
George Putnam, III	\$10,001-\$50,000	3,277.437	Over \$100,000	6,336.772	\$10,001-\$50,000	1,194.030
*Robert L. Reynolds	\$1-\$10,000	108.945	\$1-\$10,000	102.861	\$0	0.000
W. Thomas Stephens	\$1-\$10,000	211.960	\$1-\$10,000	394.913	\$1-\$10,000	100.000
Trustees and Officers as a group	Over \$100,000 (Class Y shares)	55,002.420 (Class Y shares) (8.13%)	Over \$100,000 (Class Y shares)	155,512.272 (Class Y shares) (5.58%)	\$50,001-\$100,000 (Class Y shares)	8,675.008 (Class Y shares)
	Putnam Managed Municipal Income Trust		Putnam Massachusetts Tax Exempt Income Fund		Putnam Master Intermediate Income Trust	
Liaquat Ahamed	\$1-\$10,000	100.000	\$1-\$10,000	100.000	\$1-\$10,000	100.000
Ravi Akhoury	\$1-\$10,000	100.000	\$1-\$10,000	119.256	\$1-\$10,000	100.000
Barbara M. Baumann	\$1-\$10,000	100.000	\$1-\$10,000	112.096	\$1-\$10,000	100.000
Jameson A. Baxter	\$1-\$10,000	621.015	\$1-\$10,000	245.120	\$1-\$10,000	836.558
Charles B. Curtis	\$1-\$10,000	336.618	\$1-\$10,000	169.631	\$1-\$10,000	207.980
Robert J. Darretta	\$1-\$10,000	100.000	\$1-\$10,000	128.768	\$1-\$10,000	100.000
Katinka Domotorffy	\$1-\$10,000	100.000	\$1-\$10,000	102.254	\$1-\$10,000	100.000
John A. Hill	\$1-\$10,000	373.942	\$1-\$10,000	225.411	\$1-\$10,000	450.185
Paul L. Joskow	\$1-\$10,000	195.000	\$1-\$10,000	203.155	\$1-\$10,000	100.000
Kenneth R. Leibler	\$1-\$10,000	195.000	\$1-\$10,000	133.030	\$1-\$10,000	100.000
Robert E. Patterson	\$1-\$10,000	587.000	\$1-\$10,000	102.693	\$1-\$10,000	587.000
George Putnam, III	\$10,001-\$50,000	3,815.000	\$50,001-\$100,000	7,846.946	\$10,001-\$50,000	2,178.000
*Robert L. Reynolds	\$1-\$10,000	100.000	\$1-\$10,000	120.925	\$1-\$10,000	100.000
W. Thomas Stephens	\$1-\$10,000	100.000	\$1-\$10,000	204.976	\$1-\$10,000	100.000
Trustees and Officers as a group	\$10,001-\$50,000	6,823.575	\$50,001-\$100,000 (Class Y shares)	9,814.261 (Class Y shares)	\$10,001-\$50,000	5,159.723

Trustees/Officers	Dollar Range of Shares Owned	Shares Beneficially Owned	Dollar Range of Shares Owned	Shares Beneficially Owned	Dollar Range of Shares Owned	Shares Beneficially Owned
	Putnam Michigan Tax Exempt Income Fund		Putnam Minnesota Tax Exempt Income Fund		Putnam Money Market Fund	
Liaquat Ahamed	\$1-\$10,000	100.000	\$1-\$10,000	100.000	\$10,001-\$50,000	30,464.780
Ravi Akhoury	\$1-\$10,000	118.478	\$1-\$10,000	117.412	Over \$100,000	486,717.380
Barbara M. Baumann	\$1-\$10,000	111.523	\$1-\$10,000	110.901	\$1-\$10,000	994.350
Jameson A. Baxter	\$1-\$10,000	232.669	\$1-\$10,000	228.450	Over \$100,000	352,106.170
Charles B. Curtis	\$1-\$10,000	165.852	\$1-\$10,000	162.261	Over \$100,000	288,269.186
Robert J. Darretta	\$1-\$10,000	126.485	\$1-\$10,000	125.061	Over \$100,000	503,971.420
Katinka Domotorffy	\$1-\$10,000	102.367	\$1-\$10,000	102.109	\$10,001-\$50,000	23,356.010
John A. Hill	\$1-\$10,000	211.734	\$1-\$10,000	280.325	Over \$100,000	123,827.780
Paul L. Joskow	\$1-\$10,000	207.735	\$1-\$10,000	207.394	Over \$100,000	242,868.580
Kenneth R. Leibler	\$1-\$10,000	130.325	\$1-\$10,000	129.008	\$1-\$10,000	100.000
Robert E. Patterson	\$1-\$10,000	142.237	\$1-\$10,000	141.310	Over \$100,000	116,076.600
George Putnam, III	\$10,001-\$50,000	1,656.699	\$10,001-\$50,000	1,650.533	Over \$100,000	556,796.470
*Robert L. Reynolds	\$1-\$10,000	119.459	\$1-\$10,000	118.297	Over \$100,000	294,454.830
W. Thomas Stephens	\$1-\$10,000	196.934	\$1-\$10,000	194.016	Over \$100,000	281,151.700
Trustees and Officers as a group	\$10,001-\$50,000 (Class Y shares)	3,622.497 (Class Y shares) (1.96%)	\$10,001-\$50,000 (Class Y shares)	3,667.077 (Class Y shares) (2.08%)	Over \$100,000 (Class A shares)	3,478,916.726 (Class A shares)
	Putnam Multi-Cap Core Fund		Putnam Multi-Cap Growth Fund		Putnam Multi-Cap Value Fund	
Liaquat Ahamed	\$1-\$10,000	100.000	\$1-\$10,000	100.000	\$1-\$10,000	100.000
Ravi Akhoury	Over \$100,000	11,930.857	\$1-\$10,000	117.787	\$1-\$10,000	102.232
Barbara M. Baumann	\$10,001-\$50,000	1,116.336	\$10,001-\$50,000	477.441	\$1-\$10,000	102.082
Jameson A. Baxter	\$50,001-\$100,000	4,862.088	Over \$100,000	10,795.887	\$10,001-\$50,000	2,450.738
Charles B. Curtis	\$1-\$10,000	111.635	\$10,001-\$50,000	220.176	\$1-\$10,000	165.110
Robert J. Darretta	\$1-\$10,000	111.635	Over \$100,000	3,729.752	\$1-\$10,000	122.481
Katinka Domotorffy	\$1-\$10,000	100.000	\$1-\$10,000	100.000	\$1-\$10,000	100.000
John A. Hill	\$50,001-\$100,000	4,952.686	Over \$100,000	4,113.147	\$1-\$10,000	169.662
Paul L. Joskow	\$1-\$10,000	148.580	\$50,001-\$100,000	1,053.727	\$1-\$10,000	187.063
Kenneth R. Leibler	\$1-\$10,000	111.635	\$1-\$10,000	123.409	\$1-\$10,000	137.413
Robert E. Patterson	\$10,001-\$50,000	994.952	\$50,001-\$100,000	1,193.389	\$10,001-\$50,000	1,952.138
George Putnam, III	\$10,001-\$50,000	1,461.175	Over \$100,000	22,378.433	\$50,001-\$100,000	3,333.060
*Robert L. Reynolds	\$1-\$10,000	105.571	Over \$100,000	12,481.489	\$1-\$10,000	102.232
W. Thomas Stephens	\$1-\$10,000	111.635	\$10,001-\$50,000	264.076	\$1-\$10,000	155.793
Trustees and Officers as a group	Over \$100,000 (Class Y shares)	26,218.785 (Class Y shares) (8.46%)	Over \$100,000 (Class Y shares)	58,236.320 (Class Y shares) (2.80%)	Over \$100,000 (Class Y shares)	9,227.180 (Class Y shares)
	Putnam Municipal Opportunities Trust		Putnam New Jersey Tax Exempt Income Fund		Putnam New York Tax Exempt Income Fund	
Liaquat Ahamed	\$1-\$10,000	100.000	\$1-\$10,000	100.000	\$1-\$10,000	100.000
Ravi Akhoury	\$1-\$10,000	100.000	\$1-\$10,000	118.859	\$1-\$10,000	119.994
Barbara M. Baumann	\$1-\$10,000	100.000	\$1-\$10,000	111.904	\$1-\$10,000	112.677
Jameson A. Baxter	\$50,001-\$100,000	6,130.412	\$1-\$10,000	238.257	\$1-\$10,000	1,119.442
Charles B. Curtis	\$1-\$10,000	503.401	\$1-\$10,000	164.294	\$1-\$10,000	581.203
Robert J. Darretta	\$1-\$10,000	100.000	\$1-\$10,000	127.066	\$1-\$10,000	128.586
Katinka Domotorffy	\$1-\$10,000	100.000	\$1-\$10,000	102.364	\$1-\$10,000	102.618
John A. Hill	\$1-\$10,000	544.341	\$1-\$10,000	295.428	Over \$100,000	186,515.222
Paul L. Joskow	\$1-\$10,000	387.000	\$1-\$10,000	205.796	Over \$100,000	18,596.740
Kenneth R. Leibler	\$1-\$10,000	287.000	\$1-\$10,000	131.257	\$1-\$10,000	133.358
Robert E. Patterson	\$1-\$10,000	655.000	\$1-\$10,000	143.395	\$1-\$10,000	353.892
George Putnam, III	\$10,001-\$50,000	3,788.000	\$10,001-\$50,000	1,618.373	\$10,001-\$50,000	1,847.315
*Robert L. Reynolds	\$0	0.000	\$1-\$10,000	119.868	\$1-\$10,000	121.022
W. Thomas Stephens	\$1-\$10,000	100.000	\$1-\$10,000	195.935	\$1-\$10,000	211.748
Trustees and Officers as a group	Over \$100,000	12,895.154	\$10,001-\$50,000 (Class Y shares)	3,672.796 (Class Y shares)	Over \$100,000 (Class A shares) Over \$100,000 (Class Y shares)	123,875.340 (Class A shares) 210,043.817 (Class Y shares) (8.75%)

Trustees/Officers	Dollar Range of Shares Owned	Shares Beneficially Owned	Dollar Range of Shares Owned	Shares Beneficially Owned	Dollar Range of Shares Owned	Shares Beneficially Owned
	Putnam Ohio Tax Exempt Income Fund		Putnam Pennsylvania Tax Exempt Income Fund		Putnam Premier Income Trust	
Liaquat Ahamed	\$1-\$10,000	100.000	\$1-\$10,000	100.000	\$1-\$10,000	100.000
Ravi Akhoury	\$1-\$10,000	118.656	\$1-\$10,000	119.138	\$1-\$10,000	100.000
Barbara M. Baumann	\$1-\$10,000	111.766	\$1-\$10,000	112.206	\$1-\$10,000	100.000
Jameson A. Baxter	\$1-\$10,000	233.131	\$1-\$10,000	242.359	\$1-\$10,000	881.117
Charles B. Curtis	\$1-\$10,000	162.973	\$1-\$10,000	164.749	\$1-\$10,000	416.604
Robert J. Darretta	\$1-\$10,000	127.069	\$1-\$10,000	127.320	\$1-\$10,000	100.000
Katinka Domotorffy	\$1-\$10,000	102.428	\$1-\$10,000	102.627	\$1-\$10,000	100.000
John A. Hill	\$1-\$10,000	306.847	\$1-\$10,000	303.234	\$10,001-\$50,000	3,704.634
Paul L. Joskow	\$1-\$10,000	210.122	\$1-\$10,000	212.479	\$1-\$10,000	201.000
Kenneth R. Leibler	\$1-\$10,000	131.054	\$1-\$10,000	131.241	\$1-\$10,000	100.000
Robert E. Patterson	\$1-\$10,000	143.519	\$1-\$10,000	143.667	\$1-\$10,000	803.000
George Putnam, III	\$10,001-\$50,000	1,655.210	\$10,001-\$50,000	1,653.717	\$10,001-\$50,000	2,505.000
*Robert L. Reynolds	\$1-\$10,000	119.727	\$1-\$10,000	120.193	\$1-\$10,000	100.000
W. Thomas Stephens	\$1-\$10,000	197.615	\$1-\$10,000	202.784	\$1-\$10,000	100.000
Trustees and Officers as a group	\$10,001-\$50,000 (Class Y shares)	3,720.117 (Class Y shares)	\$10,001-\$50,000 (Class Y shares)	3,735.714 (Class Y shares)	\$10,001-\$50,000	9,311.355
	Putnam Research Fund		Putnam RetirementReady 2050 Fund		Putnam RetirementReady 2040 Fund	
Liaquat Ahamed	\$1-\$10,000	100.000	\$0	0.000	\$0	0.000
Ravi Akhoury	\$1-\$10,000	102.998	\$0	0.000	\$0	0.000
Barbara M. Baumann	\$1-\$10,000	102.141	\$0	0.000	\$0	0.000
Jameson A. Baxter	\$1-\$10,000	436.683	\$0	0.000	\$0	0.000
Charles B. Curtis	\$1-\$10,000	110.592	\$0	0.000	\$0	0.000
Robert J. Darretta	\$1-\$10,000	104.450	\$0	0.000	\$0	0.000
Katinka Domotorffy	\$1-\$10,000	100.000	\$0	0.000	\$0	0.000
John A. Hill	Over \$100,000	5,858.227	\$10,001-\$50,000	2,046.629	\$0	0.000
Paul L. Joskow	Over \$100,000	5,754.958	\$0	0.000	\$0	0.000
Kenneth R. Leibler	\$1-\$10,000	104.562	\$0	0.000	\$0	0.000
Robert E. Patterson	\$1-\$10,000	144.768	\$0	0.000	\$0	0.000
George Putnam, III	\$10,001-\$50,000	1,831.247	\$0	0.000	\$0	0.000
*Robert L. Reynolds	\$50,001-\$100,000	4,687.941	\$0	0.000	\$1-\$10,000	317.927
W. Thomas Stephens	\$1-\$10,000	105.361	\$0	0.000	\$0	0.000
Trustees and Officers as a group	Over \$100,000 (Class Y shares)	19,543.927 (Class Y shares) (3.56%)	\$10,001-\$50,000	2,046.629 (Class Y shares)	\$1-\$10,000	317.927 (Class Y shares)

Trustees/Officers	Dollar Range of Shares Owned	Shares Beneficially Owned	Dollar Range of Shares Owned	Shares Beneficially Owned	Dollar Range of Shares Owned	Shares Beneficially Owned
	Putnam RetirementReady 2030 Fund		Putnam RetirementReady 2025 Fund		Putnam RetirementReady 2020 Fund	
Liaquat Ahamed	\$0	0.000	\$1-\$10,000	100.000	\$0	0.000
Ravi Akhoury	\$0	0.000	\$0	0.000	\$0	0.000
Barbara M. Baumann	\$1-\$10,000	94.487	\$0	0.000	\$0	0.000
Jameson A. Baxter	\$0	0.000	\$0	0.000	\$10,001-\$50,000	1,429.979
Charles B. Curtis	\$0	0.000	\$0	0.000	\$1-\$10,000	446.230
Robert J. Darretta	\$0	0.000	\$1-\$10,000	452.598	\$0	0.000
Katinka Domotorffy	\$0	0.000	\$0	0.000	\$0	0.000
John A. Hill	\$0	0.000	\$0	0.000	\$0	0.000
Paul L. Joskow	\$0	0.000	\$0	0.000	\$10,001-\$50,000	677.210
Kenneth R. Leibler	\$0	0.000	\$0	0.000	\$0	0.000
Robert E. Patterson	\$0	0.000	\$0	0.000	\$10,001-\$50,000	648.772
George Putnam, III	\$0	0.000	\$10,001-\$50,000	1,571.332	\$0	0.000
*Robert L. Reynolds	\$0	0.000	\$0	0.000	\$0	0.000
W. Thomas Stephens	\$0	0.000	\$0	0.000	\$0	0.000
Trustees and Officers as a group	\$1-\$10,000	94.487 (Class Y shares)	\$10,001-\$50,000	2,123.930 (Class Y shares)	\$50,001-\$100,000	3,201.191 (Class Y shares)
	Putnam RetirementReady 2015 Fund		Putnam Retirement Income Fund Lifestyle 1		Putnam Retirement Income Fund Lifestyle 2	
Liaquat Ahamed	\$0	0.000	\$0	0.000	\$1-\$10,000	100.000
Ravi Akhoury	\$1-\$10,000	107.218	\$1-\$10,000	334.012	\$1-\$10,000	104.328
Barbara M. Baumann	\$0	0.000	\$1-\$10,000	129.741	\$1-\$10,000	322.341
Jameson A. Baxter	\$0	0.000	\$1-\$10,000	257.050	\$1-\$10,000	261.098
Charles B. Curtis	\$0	0.000	\$1-\$10,000	102.711	\$1-\$10,000	104.273
Robert J. Darretta	\$0	0.000	\$1-\$10,000	102.820	\$1-\$10,000	104.438
Katinka Domotorffy	\$0	0.000	\$1-\$10,000	100.462	\$1-\$10,000	100.517
John A. Hill	\$0	0.000	\$1-\$10,000	102.820	\$1-\$10,000	104.438
Paul L. Joskow	\$1-\$10,000	9.638	\$1-\$10,000	129.617	\$1-\$10,000	160.843
Kenneth R. Leibler	\$1-\$10,000	120.124	\$1-\$10,000	102.820	\$1-\$10,000	104.438
Robert E. Patterson	\$0	0.000	\$10,001-\$50,000	648.709	\$10,001-\$50,000	1,074.479
George Putnam, III	\$0	0.000	\$10,001-\$50,000	973.062	\$10,001-\$50,000	1,613.384
*Robert L. Reynolds	\$0	0.000	\$1-\$10,000	101.280	\$1-\$10,000	102.312
W. Thomas Stephens	\$1-\$10,000	484.159	\$1-\$10,000	102.788	\$1-\$10,000	104.382
Trustees and Officers as a group	\$10,000-\$50,000	721.139 (Class Y shares)	\$50,001-\$100,000 (Class Y shares)	3,187.892 (Class Y shares)	\$10,001-\$50,000 (Class Y shares)	4,361.271 (Class Y shares) (30.31%)
	Putnam Retirement Income Fund Lifestyle 3		Putnam Short Duration Income Fund		Putnam Short-Term Municipal Income Fund	
Liaquat Ahamed	\$1-\$10,000	100.000	\$1-\$10,000	100.000	\$1-\$10,000	100.000
Ravi Akhoury	\$1-\$10,000	117.279	\$1-\$10,000	101.054	\$1-\$10,000	100.206
Barbara M. Baumann	\$1-\$10,000	107.722	\$1-\$10,000	484.631	\$1-\$10,000	539.517
Jameson A. Baxter	\$50,001-\$100,000	6,947.077	\$50,001-\$100,000	5,051.547	\$10,001-\$50,000	2,494.205
Charles B. Curtis	\$1-\$10,000	142.275	\$1-\$10,000	101.037	\$1-\$10,000	100.206
Robert J. Darretta	\$1-\$10,000	131.592	\$0	0.000	\$1-\$10,000	100.198
Katinka Domotorffy	\$1-\$10,000	101.658	\$1-\$10,000	100.461	\$1-\$10,000	100.203
John A. Hill	Over \$100,000	33,749.973	Over \$100,000	131,260.511	\$1-\$10,000	100.204
Paul L. Joskow	\$1-\$10,000	676.281	\$1-\$10,000	151.546	\$1-\$10,000	150.019
Kenneth R. Leibler	\$1-\$10,000	136.329	\$1-\$10,000	101.036	\$1-\$10,000	141.093
Robert E. Patterson	\$10,001-\$50,000	1,356.214	\$1-\$10,000	505.121	\$1-\$10,000	150.018
George Putnam, III	\$10,001-\$50,000	4,057.644	\$10,001-\$50,000	1,212.250	\$10,001-\$50,000	1,198.781
*Robert L. Reynolds	\$1-\$10,000	118.618	\$1-\$10,000	101.011	\$0	0.000
W. Thomas Stephens	\$1-\$10,000	142.275	\$1-\$10,000	101.037	\$1-\$10,000	100.196
Trustees and Officers as a group	Over \$100,000 (Class Y shares)	47,884.937 (Class Y shares) (46.72%)	Over \$100,000 (Class Y shares)	139,371.242 (Class Y shares)	\$50,001-\$100,000 (Class Y shares)	5,374.846 (Class Y shares) (7.42%)

Trustees/Officers	Dollar Range of Shares Owned	Shares Beneficially Owned	Dollar Range of Shares Owned	Shares Beneficially Owned	Dollar Range of Shares Owned	Shares Beneficially Owned
	Putnam Small Cap Growth Fund		Putnam Small-Cap Value Fund		Putnam Strategic Volatility Equity Fund	
Liaquat Ahamed	\$1-\$10,000	100.000	\$1-\$10,000	100.000	\$1-\$10,000	100.000
Ravi Akhoury	\$1-\$10,000	98.206	\$1-\$10,000	99.075	\$1-\$10,000	100.000
Barbara M. Baumann	\$1-\$10,000	98.206	\$1-\$10,000	97.367	\$10,001-\$50,000	1,449.902
Jameson A. Baxter	\$10,001-\$50,000	908.212	\$50,001-\$100,000	4,882.095	\$10,001-\$50,000	4,812.320
Charles B. Curtis	\$10,001-\$50,000	690.627	\$1-\$10,000	236.351	\$1-\$10,000	100.000
Robert J. Darretta	\$1-\$10,000	113.350	\$1-\$10,000	134.783	\$1-\$10,000	100.000
Katinka Domotorffy	\$1-\$10,000	100.000	\$1-\$10,000	100.000	\$1-\$10,000	100.000
John A. Hill	Over \$100,000	7,059.219	Over \$100,000	30,229.718	\$1-\$10,000	100.006
Paul L. Joskow	\$1-\$10,000	134.540	\$1-\$10,000	256.332	\$1-\$10,000	147.493
Kenneth R. Leibler	\$1-\$10,000	120.254	\$1-\$10,000	162.554	\$1-\$10,000	168.142
Robert E. Patterson	\$10,001-\$50,000	1,177.021	\$10,001-\$50,000	1,957.021	\$1-\$10,000	146.771
George Putnam, III	Over \$100,000	9,418.845	\$50,001-\$100,000	3,476.779	\$10,001-\$50,000	1,190.476
*Robert L. Reynolds	\$1-\$10,000	98.206	\$1-\$10,000	99.075	\$0	0.000
W. Thomas Stephens	\$1-\$10,000	128.815	\$1-\$10,000	218.788	\$1-\$10,000	100.000
Trustees and Officers as a group	Over \$100,000 (Class Y shares)	20,245.501 (Class Y shares) (4.67%)	Over \$100,000 (Class Y shares)	42,049.938 (Class Y shares)	\$50,001-\$100,000 (Class Y shares)	8,741.110 (Class Y shares) (9.77%)
	Putnam Tax Exempt Income Fund		Putnam Tax Exempt Money Market Fund		Putnam Tax-Free High Yield Fund	
Liaquat Ahamed	\$1-\$10,000	100.000	\$1-\$10,000	100.000	\$1-\$10,000	100.000
Ravi Akhoury	\$1-\$10,000	121.326	\$1-\$10,000	100.000	\$1-\$10,000	126.030
Barbara M. Baumann	\$1-\$10,000	113.340	\$1-\$10,000	100.000	\$1-\$10,000	115.844
Jameson A. Baxter	\$10,001-\$50,000	3,636.952	\$1-\$10,000	2,270.160	\$10,001-\$50,000	1,800.060
Charles B. Curtis	\$1-\$10,000	597.851	\$1-\$10,000	1,692.010	\$1-\$10,000	316.440
Robert J. Darretta	\$1-\$10,000	130.469	\$1-\$10,000	102.880	\$1-\$10,000	137.786
Katinka Domotorffy	\$1-\$10,000	102.789	\$1-\$10,000	100.000	\$1-\$10,000	103.129
John A. Hill	\$10,001-\$50,000	1,358.734	Over \$100,000	3,076,439.010	\$1-\$10,000	567.315
Paul L. Joskow	\$1-\$10,000	449.784	\$1-\$10,000	3,492.870	\$1-\$10,000	394.342
Kenneth R. Leibler	\$1-\$10,000	134.813	\$1-\$10,000	105.790	\$1-\$10,000	142.950
Robert E. Patterson	\$1-\$10,000	615.705	\$1-\$10,000	100.000	\$1-\$10,000	267.676
George Putnam, III	\$10,001-\$50,000	5,178.831	\$10,001-\$50,000	10,949.950	\$10,001-\$50,000	3,803.907
*Robert L. Reynolds	\$1-\$10,000	122.527	\$1-\$10,000	100.000	\$1-\$10,000	127.688
W. Thomas Stephens	\$1-\$10,000	428.894	Over \$100,000	247,290.530	\$1-\$10,000	389.682
Trustees and Officers as a group	\$10,001-\$50,000 (Class A) Over \$100,000 (Class Y shares)	1,384.836 (Class A) 13,092.015 (Class Y shares)	Over \$100,000	3,342,943.200 (7.85%)	\$50,001-\$100,000 (Class Y shares)	8,392.849 (Class Y shares)
	Putnam U.S. Government Income Trust		Putnam Voyager Fund			
Liaquat Ahamed	\$1-\$10,000	100.000	Over \$100,000	3,951.041		
Ravi Akhoury	\$1-\$10,000	133.894	Over \$100,000	7,375.473		
Barbara M. Baumann	\$1-\$10,000	123.562	Over \$100,000	7,218.702		
Jameson A. Baxter	\$10,001-\$50,000	3,020.136	Over \$100,000	6,280.770		
Charles B. Curtis	\$50,001-\$100,000	5,364.338	\$1-\$10,000	107.710		
Robert J. Darretta	\$1-\$10,000	143.818	Over \$100,000	8,726.646		
Katinka Domotorffy	\$1-\$10,000	101.375	\$1-\$10,000	100.000		
John A. Hill	Over \$100,000	11,997.491	Over \$100,000	60,904.407		
Paul L. Joskow	\$1-\$10,000	419.564	\$50,001-\$100,000	3,167.930		
Kenneth R. Leibler	\$1-\$10,000	105.238	\$1-\$10,000	98.260		
Robert E. Patterson	\$10,001-\$50,000	1,752.601	\$50,001-\$100,000	1,988.955		
George Putnam, III	\$50,001-\$100,000	4,043.888	Over \$100,000	47,128.482		
*Robert L. Reynolds	\$1-\$10,000	134.965	Over \$100,000	102,661.356		
W. Thomas Stephens	\$1-\$10,000	115.806	\$1-\$10,000	141.336		
Trustees and Officers as a group	Over \$100,000 (Class Y shares)	27,556.676 (Class Y shares)	Over \$100,000 (Class Y shares)	267,546.812 (Class Y shares) (2.55%)		

Name of Trustee/Nominee	Aggregate Dollar Range of Shares Held in All of the Putnam Funds Overseen by Trustee
Liaquat Ahamed	Over \$100,000
Ravi Akhoury	Over \$100,000
Barbara M. Baumann	Over \$100,000
Jameson A. Baxter	Over \$100,000
Charles B. Curtis	Over \$100,000
Robert J. Darretta	Over \$100,000
Katinka Domotorffy	Over \$100,000
John A. Hill	Over \$100,000
Paul L. Joskow	Over \$100,000
Kenneth R. Leibler	Over \$100,000
Robert E. Patterson	Over \$100,000
George Putnam, III	Over \$100,000
*Robert L. Reynolds	Over \$100,000
W. Thomas Stephens	Over \$100,000

* Trustee who is an “interested person” (as defined in the Investment Company Act of 1940) of the funds and Putnam Management. Mr. Reynolds is deemed an “interested person” by virtue of his positions as an officer of the funds and Putnam Management. Mr. Reynolds is the President and Chief Executive Officer of Putnam Investments, LLC and President of your fund and each of the other Putnam funds. None of the other Trustees is an “interested person”.

Putnam Variable Trust

As of September 30, 2013, except as shown in the tables below, the Trustees, and the Trustees and officers as a group, did not own variable annuity contracts or variable life insurance policies that invested in the funds that are series of Putnam Variable Trust. These tables show the value of the Trustees’ indirect beneficial ownership interest in these funds. As reflected in the tables above, Trustees and officers own shares of the retail Putnam funds that are counterparts to Putnam Variable Trust’s various portfolios.

FUND NAME	TRUSTEE NAME		
	GEORGE PUTNAM III	PAUL L JOSKOW	ROBERT E PATTERSON
VT AMERICAN GOVERNMENT INCOME FUND CLASS IB	\$0	\$1-\$10,000	\$0
VT CAPITAL OPPORTUNITIES FUND CLASS IB	\$0	\$1-\$10,000	\$0
VT DIVERSIFIED INCOME FUND CLASS IB	\$0	\$1-\$10,000	\$0
VT EQUITY INCOME FUND CLASS IB	\$0	\$1-\$10,000	\$0
VT GEORGE PUTNAM BALANCE FUND CLASS IB	\$0	\$1-\$10,000	\$0
VT GLOBAL ASSET ALLOCATION FUND CLASS IA	\$10,001-\$50,000	\$0	\$0
VT GLOBAL ASSET ALLOCATION FUND CLASS IB	\$0	\$1-\$10,000	\$0
VT GLOBAL EQUITY FUND CLASS IB	\$0	\$1-\$10,000	\$0
VT GROWTH AND INCOME FUND CLASS IB	\$0	\$1-\$10,000	\$0
VT GROWTH OPPORTUNITIES FUND CLASS IB	\$0	\$1-\$10,000	\$0
VT HIGH YIELD FUND CLASS IA	\$0	\$0	\$10,001-\$50,000
VT HIGH YIELD FUND CLASS IB	\$0	\$1-\$10,000	\$0
VT INCOME FUND CLASS IB	\$0	\$1-\$10,000	\$0
VT INTERNATIONAL EQUITY FUND CLASS IB	\$0	\$1-\$10,000	\$0
VT INTERNATIONAL GROWTH FUND CLASS IB	\$0	\$1-\$10,000	\$0
VT INTERNATIONAL VALUE FUND CLASS IB	\$0	\$1-\$10,000	\$0
VT INVESTORS FUND CLASS IB	\$0	\$1-\$10,000	\$0
VT MULTI-CAP GROWTH FUND CLASS IB	\$0	\$1-\$10,000	\$0
VT MULTI-CAP VALUE FUND CLASS IB	\$0	\$1-\$10,000	\$0
VT RESEARCH FUND CLASS IB	\$0	\$1-\$10,000	\$0
VT SMALL CAP VALUE FUND CLASS IB	\$0	\$1-\$10,000	\$0
VT VOYAGER FUND CLASS IB	\$0	\$1-\$10,000	\$0

Appendix I — Trustee Compensation Table

The table below includes the year each Trustee became a Trustee of the Putnam funds, the fees paid to each of those Trustees by each fund for its most recent fiscal year ended prior to October 1, 2013 and the fees paid to each of those Trustees by all of the Putnam funds during calendar year 2012.

Trustees/Year	Aggregate compensation from the fund (\$)	Pension or retirement benefits accrued as part of fund expenses (\$)	Aggregate compensation from the fund (\$)	Pension or retirement benefits accrued as part of fund expenses (\$)
	Putnam Absolute Return 100 Fund		Putnam Absolute Return 300 Fund	
Liaquat Ahamed/2012(3)(4)	295	N/A	1,042	N/A
Ravi Akhoury/2009	1,503	N/A	5,384	N/A
Barbara M. Baumann/2010(4)	1,476	N/A	5,286	N/A
Jameson A. Baxter/1994(4)(6)	2,232	551	8,008	2,022
Charles B. Curtis/2001	1,468	353	5,256	1,298
Robert J. Darretta/2007(4)	1,503	N/A	5,384	N/A
Katinka Domotorffy/2012(3)(4)	295	N/A	1,042	N/A
John A. Hill/1985(4)	1,476	952	5,286	3,497
Paul L. Joskow/1997(4)	1,468	376	5,286	1,381
Elizabeth T. Kennan/1992(5)	1,291	667	4,619	2,455
Kenneth R. Leibler/2006	1,626	N/A	5,823	N/A
Robert E. Patterson/1984	1,626	562	5,823	2,062
George Putnam, III/1984	1,503	562	5,384	2,062
W. Thomas Stephens/1997(7)	1,503	393	5,384	1,445
Robert L. Reynolds/2008(8)	N/A	N/A	N/A	N/A
	Putnam Absolute Return 500 Fund		Putnam Absolute Return 700 Fund	
Liaquat Ahamed/2012(3)(4)	863	N/A	817	N/A
Ravi Akhoury/2009	3,799	N/A	3,310	N/A
Barbara M. Baumann/2010(4)	3,724	N/A	3,245	N/A
Jameson A. Baxter/1994(4)(6)	5,590	1,273	4,866	1,103
Charles B. Curtis/2001	3,720	814	3,244	705
Robert J. Darretta/2007(4)	3,799	N/A	3,310	N/A
Katinka Domotorffy/2012(3)(4)	863	N/A	817	N/A
John A. Hill/1985(4)	3,724	2,203	3,245	1,908
Paul L. Joskow/1997(4)	3,720	871	3,244	754
Elizabeth T. Kennan/1992(5)	3,330	1,534	2,915	1,329
Kenneth R. Leibler/2006	4,111	N/A	3,584	N/A
Robert E. Patterson/1984	4,111	1,301	3,584	1,127
George Putnam, III/1984	3,799	1,306	3,310	1,131
W. Thomas Stephens/1997(7)	3,799	908	3,310	787
Robert L. Reynolds/2008(8)	N/A	N/A	N/A	N/A
	Putnam American Government Income Fund		Putnam AMT-Free Municipal Fund	
Liaquat Ahamed/2012(3)(4)	2,905	N/A	2,107	N/A
Ravi Akhoury/2009	2,984	N/A	2,171	N/A
Barbara M. Baumann/2010(4)	2,984	N/A	2,171	N/A
Jameson A. Baxter/1994(4)(6)	4,179	1,443	2,935	1,010
Charles B. Curtis/2001	2,984	890	2,171	624
Robert J. Darretta/2007(4)	2,984	N/A	2,171	N/A
Katinka Domotorffy/2012(3)(4)	3,089	N/A	2,241	N/A
John A. Hill/1985(4)	2,984	2,503	2,171	1,752
Paul L. Joskow/1997(4)	3,028	1,002	2,204	701
Elizabeth T. Kennan/1992(5)	2,555	1,618	1,847	1,137
Kenneth R. Leibler/2006	3,236	N/A	2,353	N/A
Robert E. Patterson/1984	3,236	1,508	2,353	1,054
George Putnam, III/1984	2,984	1,574	2,171	1,097
W. Thomas Stephens/1997(7)	2,984	1,011	2,171	708
Robert L. Reynolds/2008(8)	N/A	N/A	N/A	N/A

Trustees/Year	Aggregate compensation from the fund (\$)	Pension or retirement benefits accrued as part of fund expenses (\$)	Aggregate compensation from the fund (\$)	Pension or retirement benefits accrued as part of fund expenses (\$)
	Putnam Arizona Tax Exempt Income Fund		Putnam Asia Pacific Equity Fund	
Liaquat Ahamed/2012(3)(4)	205	N/A	27	N/A
Ravi Akhoury/2009	289	N/A	36	N/A
Barbara M. Baumann/2010(4)	283	N/A	36	N/A
Jameson A. Baxter/1994(4)(6)	422	130	53	16
Charles B. Curtis/2001	289	81	36	10
Robert J. Darretta/2007(4)	289	N/A	36	N/A
Katinka Domotorffy/2012(3)(4)	217	N/A	28	N/A
John A. Hill/1985(4)	283	225	36	28
Paul L. Joskow/1997(4)	289	90	36	11
Elizabeth T. Kennan/1992(5)	289	147	36	18
Kenneth R. Leibler/2006	313	N/A	39	N/A
Robert E. Patterson/1984	313	135	39	17
George Putnam, III/1984	289	140	36	17
W. Thomas Stephens/1997(7)	289	91	36	11
Robert L. Reynolds/2008(8)	N/A	N/A	N/A	N/A
	Putnam California Tax Exempt Income Fund		Putnam Capital Opportunities Fund	
Liaquat Ahamed/2012(3)(4)	7,139	N/A	1,147	N/A
Ravi Akhoury/2009	7,347	N/A	1,589	N/A
Barbara M. Baumann/2010(4)	7,347	N/A	1,558	N/A
Jameson A. Baxter/1994(4)(6)	10,284	3,471	2,308	709
Charles B. Curtis/2001	7,347	2,139	1,589	441
Robert J. Darretta/2007(4)	7,347	N/A	1,589	N/A
Katinka Domotorffy/2012(3)(4)	7,592	N/A	1,209	N/A
John A. Hill/1985(4)	7,347	6,021	1,558	1,229
Paul L. Joskow/1997(4)	7,460	2,412	1,589	491
Elizabeth T. Kennan/1992(5)	6,245	3,887	1,589	806
Kenneth R. Leibler/2006	7,965	N/A	1,720	N/A
Robert E. Patterson/1984	7,965	3,627	1,720	737
George Putnam, III/1984	7,347	3,789	1,589	762
W. Thomas Stephens/1997(7)	7,347	2,430	1,589	499
Robert L. Reynolds/2008(8)	N/A	N/A	N/A	N/A
	Putnam Capital Spectrum Fund		Putnam Convertible Securities Fund	
Liaquat Ahamed/2012(3)(4)	5,933	N/A	667	N/A
Ravi Akhoury/2009	7,500	N/A	2,943	N/A
Barbara M. Baumann/2010(4)	7,396	N/A	2,887	N/A
Jameson A. Baxter/1994(4)(6)	10,598	2,980	4,330	994
Charles B. Curtis/2001	7,500	1,848	2,884	636
Robert J. Darretta/2007(4)	7,500	N/A	2,943	N/A
Katinka Domotorffy/2012(3)(4)	6,238	N/A	667	N/A
John A. Hill/1985(4)	7,396	5,166	2,887	1,720
Paul L. Joskow/1997(4)	7,500	2,065	2,884	680
Elizabeth T. Kennan/1992(5)	7,500	3,374	2,585	1,199
Kenneth R. Leibler/2006	8,123	N/A	3,186	N/A
Robert E. Patterson/1984	8,123	3,101	3,186	1,016
George Putnam, III/1984	7,500	3,215	2,943	1,019
W. Thomas Stephens/1997(7)	7,500	2,093	2,943	709
Robert L. Reynolds/2008(8)	N/A	N/A	N/A	N/A

Trustees/Year	Aggregate compensation from the fund (\$)	Pension or retirement benefits accrued as part of fund expenses (\$)	Aggregate compensation from the fund (\$)	Pension or retirement benefits accrued as part of fund expenses (\$)
	Putnam Diversified Income Trust		Putnam Dynamic Asset Allocation Balanced Fund	
Liaquat Ahamed/2012(3)(4)	14,648	N/A	5,587	N/A
Ravi Akhoury/2009	15,087	N/A	5,748	N/A
Barbara M. Baumann/2010(4)	15,087	N/A	5,748	N/A
Jameson A. Baxter/1994(4)(6)	21,216	6,997	8,070	2,706
Charles B. Curtis/2001	15,087	4,308	5,748	1,667
Robert J. Darretta/2007(4)	15,087	N/A	5,748	N/A
Katinka Domotorffy/2012(3)(4)	15,562	N/A	5,935	N/A
John A. Hill/1985(4)	15,087	12,140	5,748	4,695
Paul L. Joskow/1997(4)	15,355	4,864	5,843	1,881
Elizabeth T. Kennan/1992(5)	12,477	7,825	4,815	3,029
Kenneth R. Leibler/2006	16,356	N/A	6,232	N/A
Robert E. Patterson/1984	16,356	7,318	6,232	2,830
George Putnam, III/1984	15,087	7,651	5,748	2,957
W. Thomas Stephens/1997(7)	15,087	4,897	5,748	1,894
Robert L. Reynolds/2008(8)	N/A	N/A	N/A	N/A
	Putnam Dynamic Asset Allocation Conservative Fund		Putnam Dynamic Asset Allocation Equity Fund	
Liaquat Ahamed/2012(3)(4)	2,410	N/A	70	N/A
Ravi Akhoury/2009	2,483	N/A	96	N/A
Barbara M. Baumann/2010(4)	2,483	N/A	95	N/A
Jameson A. Baxter/1994(4)(6)	3,483	1,159	140	44
Charles B. Curtis/2001	2,483	714	96	27
Robert J. Darretta/2007(4)	2,483	N/A	96	N/A
Katinka Domotorffy/2012(3)(4)	2,562	N/A	74	N/A
John A. Hill/1985(4)	2,483	2,010	95	76
Paul L. Joskow/1997(4)	2,524	805	96	31
Elizabeth T. Kennan/1992(5)	2,084	1,296	96	50
Kenneth R. Leibler/2006	2,692	N/A	104	N/A
Robert E. Patterson/1984	2,692	1,212	104	46
George Putnam, III/1984	2,483	1,266	96	48
W. Thomas Stephens/1997(7)	2,483	811	96	31
Robert L. Reynolds/2008(8)	N/A	N/A	N/A	N/A
	Putnam Dynamic Asset Allocation Growth Fund		Putnam Dynamic Risk Allocation Fund	
Liaquat Ahamed/2012(3)(4)	6,799	N/A	629	N/A
Ravi Akhoury/2009	6,995	N/A	812	N/A
Barbara M. Baumann/2010(4)	6,995	N/A	800	N/A
Jameson A. Baxter/1994(4)(6)	9,821	3,287	1,158	338
Charles B. Curtis/2001	6,995	2,024	812	209
Robert J. Darretta/2007(4)	6,995	N/A	812	N/A
Katinka Domotorffy/2012(3)(4)	7,221	N/A	663	N/A
John A. Hill/1985(4)	6,995	5,702	800	586
Paul L. Joskow/1997(4)	7,112	2,284	812	234
Elizabeth T. Kennan/1992(5)	5,853	3,677	812	381
Kenneth R. Leibler/2006	7,584	N/A	879	N/A
Robert E. Patterson/1984	7,584	3,436	879	352
George Putnam, III/1984	6,995	3,591	812	366
W. Thomas Stephens/1997(7)	6,995	2,300	812	237
Robert L. Reynolds/2008(8)	N/A	N/A	N/A	N/A

Trustees/Year	Aggregate compensation from the fund (\$)	Pension or retirement benefits accrued as part of fund expenses (\$)	Aggregate compensation from the fund (\$)	Pension or retirement benefits accrued as part of fund expenses (\$)
	Putnam Emerging Markets Equity Fund		*Putnam Emerging Markets Income Fund	
Liaquat Ahamed/2012(3)(4)	141	N/A	453	0
Ravi Akhoury/2009	145	N/A	453	0
Barbara M. Baumann/2010(4)	145	N/A	453	0
Jameson A. Baxter/1994(4)(6)	203	69	625	65
Charles B. Curtis/2001	145	42	453	41
Robert J. Darretta/2007(4)	145	N/A	453	0
Katinka Domotorffy/2012(3)(4)	150	N/A	453	0
John A. Hill/1985(4)	145	119	453	113
Paul L. Joskow/1997(4)	147	48	453	45
Elizabeth T. Kennan/1992(5)	123	77	453	75
Kenneth R. Leibler/2006	157	N/A	493	0
Robert E. Patterson/1984	157	72	493	67
George Putnam, III/1984	145	75	453	69
W. Thomas Stephens/1997(7)	145	48	453	46
Robert L. Reynolds/2008(8)	N/A	N/A	N/A	N/A
	Putnam Equity Income Fund		Putnam Equity Spectrum Fund	
Liaquat Ahamed/2012(3)(4)	3,992	N/A	2,442	N/A
Ravi Akhoury/2009	16,551	N/A	3,143	N/A
Barbara M. Baumann/2010(4)	16,220	N/A	3,095	N/A
Jameson A. Baxter/1994(4)(6)	23,934	6,476	4,475	1,283
Charles B. Curtis/2001	16,241	4,111	3,143	796
Robert J. Darretta/2007(4)	16,551	N/A	3,143	N/A
Katinka Domotorffy/2012(3)(4)	3,992	N/A	2,566	N/A
John A. Hill/1985(4)	16,220	11,209	3,095	2,225
Paul L. Joskow/1997(4)	16,241	4,444	3,143	889
Elizabeth T. Kennan/1992(5)	14,691	7,674	3,143	1,454
Kenneth R. Leibler/2006	17,921	N/A	3,403	N/A
Robert E. Patterson/1984	17,921	6,648	3,403	1,335
George Putnam, III/1984	16,551	6,724	3,143	1,383
W. Thomas Stephens/1997(7)	16,551	4,603	3,143	902
Robert L. Reynolds/2008(8)	N/A	N/A	N/A	N/A
	Putnam Europe Equity Fund		Putnam Floating Rate Income Fund	
Liaquat Ahamed/2012(3)(4)	496	N/A	1,173	N/A
Ravi Akhoury/2009	692	N/A	2,298	N/A
Barbara M. Baumann/2010(4)	678	N/A	2,256	N/A
Jameson A. Baxter/1994(4)(6)	931	314	3,344	1,025
Charles B. Curtis/2001	692	195	2,298	640
Robert J. Darretta/2007(4)	692	N/A	2,298	N/A
Katinka Domotorffy/2012(3)(4)	524	N/A	1,275	N/A
John A. Hill/1985(4)	678	544	2,256	1,777
Paul L. Joskow/1997(4)	692	218	2,298	709
Elizabeth T. Kennan/1992(5)	692	355	2,298	1,173
Kenneth R. Leibler/2006	749	N/A	2,487	N/A
Robert E. Patterson/1984	749	327	2,487	1,063
George Putnam, III/1984	692	340	2,298	1,094
W. Thomas Stephens/1997(7)	692	220	2,298	723
Robert L. Reynolds/2008(8)	N/A	N/A	N/A	N/A

Trustees/Year	Aggregate compensation from the fund (\$)	Pension or retirement benefits accrued as part of fund expenses (\$)	Aggregate compensation from the fund (\$)	Pension or retirement benefits accrued as part of fund expenses (\$)
	The Putnam Fund for Growth and Income		The George Putnam Fund of Boston (d/b/a George Putnam Balanced Fund)	
Liaquat Ahamed/2012(3)(4)	4,709	N/A	5,145	N/A
Ravi Akhouri/2009	20,576	N/A	5,292	N/A
Barbara M. Baumann/2010(4)	20,176	N/A	5,292	N/A
Jameson A. Baxter/1994(4)(6)	30,148	6,790	7,158	2,477
Charles B. Curtis/2001	20,169	4,341	5,292	1,532
Robert J. Darretta/2007(4)	20,576	N/A	5,292	N/A
Katinka Domotorffy/2012(3)(4)	4,709	N/A	5,466	N/A
John A. Hill/1985(4)	20,176	11,747	5,292	4,296
Paul L. Joskow/1997(4)	20,169	4,645	5,380	1,719
Elizabeth T. Kennan/1992(5)	18,137	8,172	4,439	2,790
Kenneth R. Leibler/2006	22,274	N/A	5,738	N/A
Robert E. Patterson/1984	22,274	6,942	5,738	2,583
George Putnam, III/1984	20,576	6,971	5,292	2,687
W. Thomas Stephens/1997(7)	20,576	4,843	5,292	1,737
Robert L. Reynolds/2008(8)	N/A	N/A	N/A	N/A
	Putnam Global Consumer Fund		*Putnam Global Dividend Fund	
Liaquat Ahamed/2012(3)(4)	60	N/A	453	N/A
Ravi Akhouri/2009	62	N/A	453	N/A
Barbara M. Baumann/2010(4)	62	N/A	453	N/A
Jameson A. Baxter/1994(4)(6)	87	27	625	65
Charles B. Curtis/2001	62	17	453	41
Robert J. Darretta/2007(4)	62	N/A	453	N/A
Katinka Domotorffy/2012(3)(4)	64	N/A	453	N/A
John A. Hill/1985(4)	62	47	453	113
Paul L. Joskow/1997(4)	63	19	453	45
Elizabeth T. Kennan/1992(5)	50	31	453	75
Kenneth R. Leibler/2006	67	N/A	493	N/A
Robert E. Patterson/1984	67	29	493	67
George Putnam, III/1984	62	30	453	69
W. Thomas Stephens/1997(7)	62	19	453	46
Robert L. Reynolds/2008(8)	N/A	N/A	N/A	N/A
	Putnam Global Energy Fund		Putnam Global Equity Fund	
Liaquat Ahamed/2012(3)(4)	79	N/A	816	N/A
Ravi Akhouri/2009	81	N/A	3,580	N/A
Barbara M. Baumann/2010(4)	81	N/A	3,511	N/A
Jameson A. Baxter/1994(4)(6)	114	38	5,252	1,196
Charles B. Curtis/2001	81	23	3,509	765
Robert J. Darretta/2007(4)	81	N/A	3,580	N/A
Katinka Domotorffy/2012(3)(4)	84	N/A	816	N/A
John A. Hill/1985(4)	81	65	3,511	2,069
Paul L. Joskow/1997(4)	82	26	3,509	818
Elizabeth T. Kennan/1992(5)	68	42	3,152	1,441
Kenneth R. Leibler/2006	88	N/A	3,875	N/A
Robert E. Patterson/1984	88	39	3,875	1,223
George Putnam, III/1984	81	41	3,580	1,227
W. Thomas Stephens/1997(7)	81	26	3,580	853
Robert L. Reynolds/2008(8)	N/A	N/A	N/A	N/A

Trustees/Year	Aggregate compensation from the fund (\$)	Pension or retirement benefits accrued as part of fund expenses (\$)	Aggregate compensation from the fund (\$)	Pension or retirement benefits accrued as part of fund expenses (\$)
	Putnam Global Financials Fund		Putnam Global Health Care Fund	
Liaquat Ahamed/2012(3)(4)	59	N/A	4,564	N/A
Ravi Akhoury/2009	61	N/A	4,700	N/A
Barbara M. Baumann/2010(4)	61	N/A	4,700	N/A
Jameson A. Baxter/1994(4)(6)	86	25	6,601	2,156
Charles B. Curtis/2001	61	16	4,700	1,330
Robert J. Darretta/2007(4)	61	N/A	4,700	N/A
Katinka Domotorffy/2012(3)(4)	63	N/A	4,847	N/A
John A. Hill/1985(4)	61	44	4,700	3,740
Paul L. Joskow/1997(4)	62	18	4,782	1,496
Elizabeth T. Kennan/1992(5)	49	28	3,899	2,419
Kenneth R. Leibler/2006	66	N/A	5,095	N/A
Robert E. Patterson/1984	66	27	5,095	2,252
George Putnam, III/1984	61	28	4,700	2,350
W. Thomas Stephens/1997(7)	61	18	4,700	1,511
Robert L. Reynolds/2008(8)	N/A	N/A	N/A	N/A
	Putnam Global Income Trust		Putnam Global Industrials Fund	
Liaquat Ahamed/2012(3)(4)	381	N/A	48	N/A
Ravi Akhoury/2009	1,663	N/A	50	N/A
Barbara M. Baumann/2010(4)	1,631	N/A	50	N/A
Jameson A. Baxter/1994(4)(6)	2,449	553	70	22
Charles B. Curtis/2001	1,629	354	50	14
Robert J. Darretta/2007(4)	1,663	N/A	50	N/A
Katinka Domotorffy/2012(3)(4)	381	N/A	51	N/A
John A. Hill/1985(4)	1,631	956	50	38
Paul L. Joskow/1997(4)	1,629	378	51	15
Elizabeth T. Kennan/1992(5)	1,458	666	41	25
Kenneth R. Leibler/2006	1,800	N/A	54	N/A
Robert E. Patterson/1984	1,800	565	54	23
George Putnam, III/1984	1,663	567	50	24
W. Thomas Stephens/1997(7)	1,663	394	50	15
Robert L. Reynolds/2008(8)	N/A	N/A	N/A	N/A
	Putnam Global Natural Resources Fund		Putnam Global Sector Fund	
Liaquat Ahamed/2012(3)(4)	1,285	N/A	N/A	N/A
Ravi Akhoury/2009	1,318	N/A	0	N/A
Barbara M. Baumann/2010(4)	1,318	N/A	0	N/A
Jameson A. Baxter/1994(4)(6)	1,847	648	0	0
Charles B. Curtis/2001	1,318	400	0	0
Robert J. Darretta/2007(4)	1,318	N/A	0	N/A
Katinka Domotorffy/2012(3)(4)	1,365	N/A	N/A	N/A
John A. Hill/1985(4)	1,318	1,123	0	0
Paul L. Joskow/1997(4)	1,338	450	0	0
Elizabeth T. Kennan/1992(5)	1,129	728	0	0
Kenneth R. Leibler/2006	1,430	N/A	0	N/A
Robert E. Patterson/1984	1,430	676	0	0
George Putnam, III/1984	1,318	704	0	0
W. Thomas Stephens/1997(7)	1,318	454	0	0
Robert L. Reynolds/2008(8)	N/A	N/A	N/A	N/A

Trustees/Year	Aggregate compensation from the fund (\$)	Pension or retirement benefits accrued as part of fund expenses (\$)	Aggregate compensation from the fund (\$)	Pension or retirement benefits accrued as part of fund expenses (\$)
	Putnam Global Technology Fund		Putnam Global Telecommunications Fund	
Liaquat Ahamed/2012(3)(4)	51	N/A	66	N/A
Ravi Akhouri/2009	53	N/A	68	N/A
Barbara M. Baumann/2010(4)	53	N/A	68	N/A
Jameson A. Baxter/1994(4)(6)	74	26	96	31
Charles B. Curtis/2001	53	16	68	19
Robert J. Darretta/2007(4)	53	N/A	68	N/A
Katinka Domotorffy/2012(3)(4)	54	N/A	71	N/A
John A. Hill/1985(4)	53	44	68	53
Paul L. Joskow/1997(4)	53	18	70	21
Elizabeth T. Kennan/1992(5)	44	29	56	34
Kenneth R. Leibler/2006	57	N/A	74	N/A
Robert E. Patterson/1984	57	27	74	32
George Putnam, III/1984	53	28	68	33
W. Thomas Stephens/1997(7)	53	18	68	21
Robert L. Reynolds/2008(8)	N/A	N/A	N/A	N/A
	Putnam Global Utilities Fund		Putnam Growth Opportunities Fund	
Liaquat Ahamed/2012(3)(4)	885	N/A	1,513	N/A
Ravi Akhouri/2009	910	N/A	1,557	N/A
Barbara M. Baumann/2010(4)	910	N/A	1,557	N/A
Jameson A. Baxter/1994(4)(6)	1,277	433	2,103	719
Charles B. Curtis/2001	910	267	1,557	444
Robert J. Darretta/2007(4)	910	N/A	1,557	N/A
Katinka Domotorffy/2012(3)(4)	940	N/A	1,607	N/A
John A. Hill/1985(4)	910	751	1,557	1,246
Paul L. Joskow/1997(4)	925	301	1,584	499
Elizabeth T. Kennan/1992(5)	764	487	1,299	809
Kenneth R. Leibler/2006	987	N/A	1,689	N/A
Robert E. Patterson/1984	987	452	1,689	749
George Putnam, III/1984	910	471	1,557	780
W. Thomas Stephens/1997(7)	910	304	1,557	504
Robert L. Reynolds/2008(8)	N/A	N/A	N/A	N/A
	Putnam High Yield Advantage Fund		Putnam High Yield Trust	
Liaquat Ahamed/2012(3)(4)	1,022	N/A	6,180	N/A
Ravi Akhouri/2009	4,151	N/A	6,356	N/A
Barbara M. Baumann/2010(4)	4,067	N/A	6,356	N/A
Jameson A. Baxter/1994(4)(6)	6,034	1,664	8,887	3,022
Charles B. Curtis/2001	4,072	1,057	6,356	1,865
Robert J. Darretta/2007(4)	4,151	N/A	6,356	N/A
Katinka Domotorffy/2012(3)(4)	1,022	N/A	6,570	N/A
John A. Hill/1985(4)	4,067	2,880	6,356	5,241
Paul L. Joskow/1997(4)	4,072	1,141	6,450	2,098
Elizabeth T. Kennan/1992(5)	3,679	1,976	5,441	3,394
Kenneth R. Leibler/2006	4,494	N/A	6,892	N/A
Robert E. Patterson/1984	4,494	1,707	6,892	3,154
George Putnam, III/1984	4,151	1,725	6,356	3,288
W. Thomas Stephens/1997(7)	4,151	1,183	6,356	2,117
Robert L. Reynolds/2008(8)	N/A	N/A	N/A	N/A

Trustees/Year	Aggregate compensation from the fund (\$)	Pension or retirement benefits accrued as part of fund expenses (\$)	Aggregate compensation from the fund (\$)	Pension or retirement benefits accrued as part of fund expenses (\$)
	Putnam Income Fund		*Putnam Intermediate-Term Municipal Income Fund	
Liaquat Ahamed/2012(3)(4)	1,503	N/A	453	N/A
Ravi Akhoury/2009	6,407	N/A	453	N/A
Barbara M. Baumann/2010(4)	6,278	N/A	453	N/A
Jameson A. Baxter/1994(4)(6)	9,438	2,124	625	65
Charles B. Curtis/2001	6,279	1,358	453	41
Robert J. Darretta/2007(4)	6,407	N/A	453	N/A
Katinka Domotorffy/2012(3)(4)	1,503	N/A	453	N/A
John A. Hill/1985(4)	6,278	3,674	453	113
Paul L. Joskow/1997(4)	6,279	1,453	453	45
Elizabeth T. Kennan/1992(5)	5,639	2,558	453	75
Kenneth R. Leibler/2006	6,935	N/A	493	N/A
Robert E. Patterson/1984	6,935	2,171	493	67
George Putnam, III/1984	6,407	2,179	453	69
W. Thomas Stephens/1997(7)	6,407	1,515	453	46
Robert L. Reynolds/2008(8)	N/A	N/A	N/A	N/A
	Putnam International Capital Opportunities Fund		Putnam International Equity Fund	
Liaquat Ahamed/2012(3)(4)	3,600	N/A	3,117	N/A
Ravi Akhoury/2009	3,699	N/A	4,389	N/A
Barbara M. Baumann/2010(4)	3,699	N/A	4,302	N/A
Jameson A. Baxter/1994(4)(6)	5,188	1,765	5,907	1,992
Charles B. Curtis/2001	3,699	1,089	4,389	1,234
Robert J. Darretta/2007(4)	3,699	N/A	4,389	N/A
Katinka Domotorffy/2012(3)(4)	3,824	N/A	3,294	N/A
John A. Hill/1985(4)	3,699	3,061	4,302	3,454
Paul L. Joskow/1997(4)	3,758	1,225	4,389	1,381
Elizabeth T. Kennan/1992(5)	3,130	1,982	4,389	2,251
Kenneth R. Leibler/2006	4,011	N/A	4,751	N/A
Robert E. Patterson/1984	4,011	1,842	4,751	2,075
George Putnam, III/1984	3,699	1,921	4,389	2,154
W. Thomas Stephens/1997(7)	3,699	1,237	4,389	1,398
Robert L. Reynolds/2008(8)	N/A	N/A	N/A	N/A
	Putnam International Growth Fund		Putnam International Value Fund	
Liaquat Ahamed/2012(3)(4)	1,395	N/A	645	N/A
Ravi Akhoury/2009	1,436	N/A	905	N/A
Barbara M. Baumann/2010(4)	1,436	N/A	887	N/A
Jameson A. Baxter/1994(4)(6)	2,014	674	1,218	410
Charles B. Curtis/2001	1,436	415	905	254
Robert J. Darretta/2007(4)	1,436	N/A	905	N/A
Katinka Domotorffy/2012(3)(4)	1,482	N/A	681	N/A
John A. Hill/1985(4)	1,436	1,169	887	711
Paul L. Joskow/1997(4)	1,459	468	905	284
Elizabeth T. Kennan/1992(5)	1,207	754	905	464
Kenneth R. Leibler/2006	1,557	N/A	980	N/A
Robert E. Patterson/1984	1,557	705	980	427
George Putnam, III/1984	1,436	737	905	444
W. Thomas Stephens/1997(7)	1,436	472	905	288
Robert L. Reynolds/2008(8)	N/A	N/A	N/A	N/A

Trustees/Year	Aggregate compensation from the fund (\$)	Pension or retirement benefits accrued as part of fund expenses (\$)	Aggregate compensation from the fund (\$)	Pension or retirement benefits accrued as part of fund expenses (\$)
	Putnam Investors Fund		*Putnam Low Volatility Equity Fund	
Liaquat Ahamed/2012(3)(4)	5,963	N/A	453	N/A
Ravi Akhoury/2009	6,135	N/A	453	N/A
Barbara M. Baumann/2010(4)	6,135	N/A	453	N/A
Jameson A. Baxter/1994(4)(6)	8,287	2,845	625	20
Charles B. Curtis/2001	6,135	1,759	453	12
Robert J. Darretta/2007(4)	6,135	N/A	453	N/A
Katinka Domotorffy/2012(3)(4)	6,333	N/A	453	N/A
John A. Hill/1985(4)	6,135	4,934	453	35
Paul L. Joskow/1997(4)	6,239	1,974	453	14
Elizabeth T. Kennan/1992(5)	5,120	3,205	453	22
Kenneth R. Leibler/2006	6,651	N/A	493	N/A
Robert E. Patterson/1984	6,651	2,967	493	21
George Putnam, III/1984	6,135	3,088	453	23
W. Thomas Stephens/1997(7)	6,135	1,996	453	14
Robert L. Reynolds/2008(8)	N/A	N/A	N/A	N/A
	Putnam Massachusetts Tax Exempt Income Fund		Putnam Michigan Tax Exempt Income Fund	
Liaquat Ahamed/2012(3)(4)	1,380	N/A	262	N/A
Ravi Akhoury/2009	1,890	N/A	369	N/A
Barbara M. Baumann/2010(4)	1,855	N/A	361	N/A
Jameson A. Baxter/1994(4)(6)	2,734	843	538	165
Charles B. Curtis/2001	1,890	523	369	103
Robert J. Darretta/2007(4)	1,890	N/A	369	N/A
Katinka Domotorffy/2012(3)(4)	1,461	N/A	277	N/A
John A. Hill/1985(4)	1,855	1,461	361	287
Paul L. Joskow/1997(4)	1,890	584	369	115
Elizabeth T. Kennan/1992(5)	1,890	955	369	187
Kenneth R. Leibler/2006	2,046	N/A	399	N/A
Robert E. Patterson/1984	2,046	877	399	172
George Putnam, III/1984	1,890	909	369	178
W. Thomas Stephens/1997(7)	1,890	592	369	116
Robert L. Reynolds/2008(8)	N/A	N/A	N/A	N/A
	Putnam Minnesota Tax Exempt Income Fund		Putnam Money Market Fund	
Liaquat Ahamed/2012(3)(4)	387	N/A	6,292	N/A
Ravi Akhoury/2009	537	N/A	6,474	N/A
Barbara M. Baumann/2010(4)	527	N/A	6,474	N/A
Jameson A. Baxter/1994(4)(6)	781	240	9,099	3,082
Charles B. Curtis/2001	537	149	6,474	1,899
Robert J. Darretta/2007(4)	537	N/A	6,474	N/A
Katinka Domotorffy/2012(3)(4)	409	N/A	6,690	N/A
John A. Hill/1985(4)	527	415	6,474	5,347
Paul L. Joskow/1997(4)	537	166	6,580	2,142
Elizabeth T. Kennan/1992(5)	537	271	5,438	3,451
Kenneth R. Leibler/2006	581	N/A	7,019	N/A
Robert E. Patterson/1984	581	249	7,019	3,222
George Putnam, III/1984	537	258	6,474	3,366
W. Thomas Stephens/1997(7)	537	168	6,474	2,158
Robert L. Reynolds/2008(8)	N/A	N/A	N/A	N/A

Trustees/Year	Aggregate compensation from the fund (\$)	Pension or retirement benefits accrued as part of fund expenses (\$)	Aggregate compensation from the fund (\$)	Pension or retirement benefits accrued as part of fund expenses (\$)
	Putnam Money Market Liquidity Fund		Putnam Multi-Cap Core Fund	
Liaquat Ahamed/2012(3)(4)	12,783	N/A	34	N/A
Ravi Akhoury/2009	13,022	N/A	46	N/A
Barbara M. Baumann/2010(4)	13,021	N/A	45	N/A
Jameson A. Baxter/1994(4)(6)	18,319	7,472	66	19
Charles B. Curtis/2001	13,022	4,629	46	12
Robert J. Darretta/2007(4)	13,022	N/A	46	N/A
Katinka Domotorffy/2012(3)(4)	13,683	N/A	36	N/A
John A. Hill/1985(4)	13,022	12,956	45	34
Paul L. Joskow/1997(4)	13,139	5,180	46	13
Elizabeth T. Kennan/1992(5)	11,875	8,443	46	22
Kenneth R. Leibler/2006	14,134	N/A	50	N/A
Robert E. Patterson/1984	14,134	7,783	50	20
George Putnam, III/1984	13,022	8,081	46	21
W. Thomas Stephens/1997(7)	13,022	5,246	46	14
Robert L. Reynolds/2008(8)	N/A	N/A	N/A	N/A
	Putnam Multi-Cap Growth Fund		Putnam Multi-Cap Value Fund	
Liaquat Ahamed/2012(3)(4)	10,374	N/A	1,119	N/A
Ravi Akhoury/2009	14,598	N/A	1,684	N/A
Barbara M. Baumann/2010(4)	14,307	N/A	1,643	N/A
Jameson A. Baxter/1994(4)(6)	19,625	6,607	2,510	858
Charles B. Curtis/2001	14,598	4,094	1,684	535
Robert J. Darretta/2007(4)	14,598	N/A	1,684	N/A
Katinka Domotorffy/2012(3)(4)	10,949	N/A	1,171	N/A
John A. Hill/1985(4)	14,307	11,456	1,643	1,487
Paul L. Joskow/1997(4)	14,598	4,580	1,684	593
Elizabeth T. Kennan/1992(5)	14,598	7,467	1,684	980
Kenneth R. Leibler/2006	15,802	N/A	1,824	N/A
Robert E. Patterson/1984	15,802	6,882	1,824	890
George Putnam, III/1984	14,598	7,145	1,684	917
W. Thomas Stephens/1997(7)	14,598	4,639	1,684	604
Robert L. Reynolds/2008(8)	N/A	N/A	N/A	N/A
	Putnam New Jersey Tax Exempt Income Fund		Putnam New York Tax Exempt Income Fund	
Liaquat Ahamed/2012(3)(4)	932	N/A	1,336	N/A
Ravi Akhoury/2009	1,298	N/A	5,640	N/A
Barbara M. Baumann/2010(4)	1,273	N/A	5,526	N/A
Jameson A. Baxter/1994(4)(6)	1,890	580	8,199	2,241
Charles B. Curtis/2001	1,298	360	5,530	1,424
Robert J. Darretta/2007(4)	1,298	N/A	5,640	N/A
Katinka Domotorffy/2012(3)(4)	986	N/A	1,336	N/A
John A. Hill/1985(4)	1,273	1,005	5,526	3,878
Paul L. Joskow/1997(4)	1,298	401	5,530	1,537
Elizabeth T. Kennan/1992(5)	1,298	657	4,977	2,660
Kenneth R. Leibler/2006	1,405	N/A	6,106	N/A
Robert E. Patterson/1984	1,405	603	6,106	2,299
George Putnam, III/1984	1,298	625	5,640	2,323
W. Thomas Stephens/1997(7)	1,298	407	5,640	1,593
Robert L. Reynolds/2008(8)	N/A	N/A	N/A	N/A

Trustees/Year	Aggregate compensation from the fund (\$)	Pension or retirement benefits accrued as part of fund expenses (\$)	Aggregate compensation from the fund (\$)	Pension or retirement benefits accrued as part of fund expenses (\$)
	Putnam Ohio Tax Exempt Income Fund		Putnam Pennsylvania Tax Exempt Income Fund	
Liaquat Ahamed/2012(3)(4)	521	N/A	805	N/A
Ravi Akhouri/2009	733	N/A	1,133	N/A
Barbara M. Baumann/2010(4)	719	N/A	1,110	N/A
Jameson A. Baxter/1994(4)(6)	1,070	327	1,655	510
Charles B. Curtis/2001	733	203	1,133	317
Robert J. Darretta/2007(4)	733	N/A	1,133	N/A
Katinka Domotorffy/2012(3)(4)	551	N/A	851	N/A
John A. Hill/1985(4)	719	566	1,110	884
Paul L. Joskow/1997(4)	733	226	1,133	353
Elizabeth T. Kennan/1992(5)	733	370	1,133	578
Kenneth R. Leibler/2006	794	N/A	1,226	N/A
Robert E. Patterson/1984	794	340	1,226	531
George Putnam, III/1984	733	352	1,133	550
W. Thomas Stephens/1997(7)	733	230	1,133	358
Robert L. Reynolds/2008(8)	N/A	N/A	N/A	N/A
	Putnam Research Fund		Putnam RetirementReady 2055 Fund	
Liaquat Ahamed/2012(3)(4)	936	N/A	N/A	N/A
Ravi Akhouri/2009	963	N/A	0	N/A
Barbara M. Baumann/2010(4)	963	N/A	0	N/A
Jameson A. Baxter/1994(4)(6)	1,301	446	0	0
Charles B. Curtis/2001	963	276	0	0
Robert J. Darretta/2007(4)	963	N/A	0	N/A
Katinka Domotorffy/2012(3)(4)	994	N/A	N/A	N/A
John A. Hill/1985(4)	963	774	0	0
Paul L. Joskow/1997(4)	979	310	0	0
Elizabeth T. Kennan/1992(5)	804	503	0	0
Kenneth R. Leibler/2006	1,044	N/A	0	N/A
Robert E. Patterson/1984	1,044	466	0	0
George Putnam, III/1984	963	485	0	0
W. Thomas Stephens/1997(7)	963	313	0	0
Robert L. Reynolds/2008(8)	N/A	N/A	N/A	N/A
	Putnam RetirementReady 2050 Fund		Putnam RetirementReady 2045 Fund	
Liaquat Ahamed/2012(3)(4)	N/A	N/A	N/A	N/A
Ravi Akhouri/2009	0	N/A	0	N/A
Barbara M. Baumann/2010(4)	0	N/A	0	N/A
Jameson A. Baxter/1994(4)(6)	0	0	0	0
Charles B. Curtis/2001	0	0	0	0
Robert J. Darretta/2007(4)	0	N/A	0	N/A
Katinka Domotorffy/2012(3)(4)	N/A	N/A	N/A	N/A
John A. Hill/1985(4)	0	0	0	0
Paul L. Joskow/1997(4)	0	0	0	0
Elizabeth T. Kennan/1992(5)	0	0	0	0
Kenneth R. Leibler/2006	0	N/A	0	N/A
Robert E. Patterson/1984	0	0	0	0
George Putnam, III/1984	0	0	0	0
W. Thomas Stephens/1997(7)	0	0	0	0
Robert L. Reynolds/2008(8)	N/A	N/A	N/A	N/A

Trustees/Year	Aggregate compensation from the fund (\$)	Pension or retirement benefits accrued as part of fund expenses (\$)	Aggregate compensation from the fund (\$)	Pension or retirement benefits accrued as part of fund expenses (\$)
	Putnam RetirementReady 2040 Fund		Putnam RetirementReady 2035 Fund	
Liaquat Ahamed/2012(3)(4)	N/A	N/A	N/A	N/A
Ravi Akhoury/2009	0	N/A	0	N/A
Barbara M. Baumann/2010(4)	0	N/A	0	N/A
Jameson A. Baxter/1994(4)(6)	0	0	0	0
Charles B. Curtis/2001	0	0	0	0
Robert J. Darretta/2007(4)	0	N/A	0	N/A
Katinka Domotorffy/2012(3)(4)	N/A	N/A	N/A	N/A
John A. Hill/1985(4)	0	0	0	0
Paul L. Joskow/1997(4)	0	0	0	0
Elizabeth T. Kennan/1992(5)	0	0	0	0
Kenneth R. Leibler/2006	0	N/A	0	N/A
Robert E. Patterson/1984	0	0	0	0
George Putnam, III/1984	0	0	0	0
W. Thomas Stephens/1997(7)	0	0	0	0
Robert L. Reynolds/2008(8)	N/A	N/A	N/A	N/A
	Putnam RetirementReady 2030 Fund		Putnam RetirementReady 2025 Fund	
Liaquat Ahamed/2012(3)(4)	N/A	N/A	N/A	N/A
Ravi Akhoury/2009	0	N/A	0	N/A
Barbara M. Baumann/2010(4)	0	N/A	0	N/A
Jameson A. Baxter/1994(4)(6)	0	0	0	0
Charles B. Curtis/2001	0	0	0	0
Robert J. Darretta/2007(4)	0	N/A	0	N/A
Katinka Domotorffy/2012(3)(4)	N/A	N/A	N/A	N/A
John A. Hill/1985(4)	0	0	0	0
Paul L. Joskow/1997(4)	0	0	0	0
Elizabeth T. Kennan/1992(5)	0	0	0	0
Kenneth R. Leibler/2006	0	N/A	0	N/A
Robert E. Patterson/1984	0	0	0	0
George Putnam, III/1984	0	0	0	0
W. Thomas Stephens/1997(7)	0	0	0	0
Robert L. Reynolds/2008(8)	N/A	N/A	N/A	N/A
	Putnam RetirementReady 2020 Fund		Putnam RetirementReady 2015 Fund	
Liaquat Ahamed/2012(3)(4)	N/A	N/A	N/A	N/A
Ravi Akhoury/2009	0	N/A	0	N/A
Barbara M. Baumann/2010(4)	0	N/A	0	N/A
Jameson A. Baxter/1994(4)(6)	0	0	0	0
Charles B. Curtis/2001	0	0	0	0
Robert J. Darretta/2007(4)	0	N/A	0	N/A
Katinka Domotorffy/2012(3)(4)	N/A	N/A	N/A	N/A
John A. Hill/1985(4)	0	0	0	0
Paul L. Joskow/1997(4)	0	0	0	0
Elizabeth T. Kennan/1992(5)	0	0	0	0
Kenneth R. Leibler/2006	0	N/A	0	N/A
Robert E. Patterson/1984	0	0	0	0
George Putnam, III/1984	0	0	0	0
W. Thomas Stephens/1997(7)	0	0	0	0
Robert L. Reynolds/2008(8)	N/A	N/A	N/A	N/A

Trustees/Year	Aggregate compensation from the fund (\$)	Pension or retirement benefits accrued as part of fund expenses (\$)	Aggregate compensation from the fund (\$)	Pension or retirement benefits accrued as part of fund expenses (\$)
	Putnam Retirement Income Fund Lifestyle 1		Putnam Retirement Income Fund Lifestyle 2	
Liaquat Ahamed/2012(3)(4)	N/A	N/A	28	N/A
Ravi Akhoury/2009	0	N/A	29	N/A
Barbara M. Baumann/2010(4)	0	N/A	29	N/A
Jameson A. Baxter/1994(4)(6)	0	0	41	13
Charles B. Curtis/2001	0	0	29	8
Robert J. Darretta/2007(4)	0	N/A	29	N/A
Katinka Domotorffy/2012(3)(4)	N/A	N/A	30	N/A
John A. Hill/1985(4)	0	0	29	23
Paul L. Joskow/1997(4)	0	0	29	9
Elizabeth T. Kennan/1992(5)	0	0	24	15
Kenneth R. Leibler/2006	0	N/A	31	N/A
Robert E. Patterson/1984	0	0	31	14
George Putnam, III/1984	0	0	29	14
W. Thomas Stephens/1997(7)	0	0	29	9
Robert L. Reynolds/2008(8)	N/A	N/A	N/A	N/A
	Putnam Retirement Income Fund Lifestyle 3		Putnam Short Duration Income Fund	
Liaquat Ahamed/2012(3)(4)	32	N/A	2,695	N/A
Ravi Akhoury/2009	69	N/A	2,819	N/A
Barbara M. Baumann/2010(4)	67	N/A	2,819	N/A
Jameson A. Baxter/1994(4)(6)	100	30	3,657	856
Charles B. Curtis/2001	69	19	2,819	524
Robert J. Darretta/2007(4)	69	N/A	2,819	N/A
Katinka Domotorffy/2012(3)(4)	35	N/A	2,856	N/A
John A. Hill/1985(4)	67	53	2,819	1,486
Paul L. Joskow/1997(4)	69	21	2,894	597
Elizabeth T. Kennan/1992(5)	69	35	2,080	949
Kenneth R. Leibler/2006	74	N/A	3,051	N/A
Robert E. Patterson/1984	74	32	3,051	898
George Putnam, III/1984	69	32	2,819	945
W. Thomas Stephens/1997(7)	69	21	2,819	597
Robert L. Reynolds/2008(8)	N/A	N/A	N/A	N/A
	*Putnam Short Term Investment Fund		*Putnam Short-Term Municipal Income Fund	
Liaquat Ahamed/2012(3)(4)	5,071	N/A	453	N/A
Ravi Akhoury/2009	5,270	N/A	453	N/A
Barbara M. Baumann/2010(4)	5,270	N/A	453	N/A
Jameson A. Baxter/1994(4)(6)	6,577	2,960	625	65
Charles B. Curtis/2001	5,270	1,785	453	41
Robert J. Darretta/2007(4)	5,270	N/A	453	N/A
Katinka Domotorffy/2012(3)(4)	5,270	N/A	453	N/A
John A. Hill/1985(4)	5,270	5,146	453	113
Paul L. Joskow/1997(4)	5,436	2,076	453	45
Elizabeth T. Kennan/1992(5)	3,649	3,197	453	75
Kenneth R. Leibler/2006	5,706	N/A	493	N/A
Robert E. Patterson/1984	5,706	3,136	493	67
George Putnam, III/1984	5,270	3,351	453	69
W. Thomas Stephens/1997(7)	5,270	2,050	453	46
Robert L. Reynolds/2008(8)	N/A	N/A	N/A	N/A

Trustees/Year	Aggregate compensation from the fund (\$)	Pension or retirement benefits accrued as part of fund expenses (\$)	Aggregate compensation from the fund (\$)	Pension or retirement benefits accrued as part of fund expenses (\$)
	Putnam Small Cap Growth Fund		Putnam Small Cap Value Fund	
Liaquat Ahamed/2012(3)(4)	375	N/A	335	N/A
Ravi Akhoury/2009	525	N/A	728	N/A
Barbara M. Baumann/2010(4)	515	N/A	713	N/A
Jameson A. Baxter/1994(4)(6)	706	238	1,059	321
Charles B. Curtis/2001	525	147	728	201
Robert J. Darretta/2007(4)	525	N/A	728	N/A
Katinka Domotorffy/2012(3)(4)	395	N/A	362	N/A
John A. Hill/1985(4)	515	413	713	557
Paul L. Joskow/1997(4)	525	165	728	222
Elizabeth T. Kennan/1992(5)	525	269	728	368
Kenneth R. Leibler/2006	569	N/A	788	N/A
Robert E. Patterson/1984	569	248	788	333
George Putnam, III/1984	525	257	728	343
W. Thomas Stephens/1997(7)	525	167	728	227
Robert L. Reynolds/2008(8)	N/A	N/A	N/A	N/A
	*Putnam Strategic Volatility Equity Fund		Putnam Tax Exempt Income Fund	
Liaquat Ahamed/2012(3)(4)	453	N/A	5,136	N/A
Ravi Akhoury/2009	453	N/A	5,286	N/A
Barbara M. Baumann/2010(4)	453	N/A	5,286	N/A
Jameson A. Baxter/1994(4)(6)	625	4	7,400	2,507
Charles B. Curtis/2001	453	3	5,286	1,545
Robert J. Darretta/2007(4)	453	N/A	5,286	N/A
Katinka Domotorffy/2012(3)(4)	453	N/A	5,463	N/A
John A. Hill/1985(4)	453	8	5,286	4,349
Paul L. Joskow/1997(4)	453	3	5,366	1,742
Elizabeth T. Kennan/1992(5)	453	5	4,503	2,808
Kenneth R. Leibler/2006	493	N/A	5,731	N/A
Robert E. Patterson/1984	493	5	5,731	2,620
George Putnam, III/1984	453	5	5,286	2,737
W. Thomas Stephens/1997(7)	453	3	5,286	1,755
Robert L. Reynolds/2008(8)	N/A	N/A	N/A	N/A
	Putnam Tax Exempt Money Market Fund		Putnam Tax-Free High Yield Fund	
Liaquat Ahamed/2012(3)(4)	184	N/A	4,944	N/A
Ravi Akhoury/2009	189	N/A	5,086	N/A
Barbara M. Baumann/2010(4)	189	N/A	5,086	N/A
Jameson A. Baxter/1994(4)(6)	266	92	6,896	2,427
Charles B. Curtis/2001	189	57	5,086	1,502
Robert J. Darretta/2007(4)	189	N/A	5,086	N/A
Katinka Domotorffy/2012(3)(4)	196	N/A	5,259	N/A
John A. Hill/1985(4)	189	160	5,086	4,209
Paul L. Joskow/1997(4)	192	64	5,161	1,684
Elizabeth T. Kennan/1992(5)	161	103	4,358	2,736
Kenneth R. Leibler/2006	205	N/A	5,515	N/A
Robert E. Patterson/1984	205	96	5,515	2,530
George Putnam, III/1984	189	100	5,086	2,631
W. Thomas Stephens/1997(7)	189	64	5,086	1,703
Robert L. Reynolds/2008(8)	N/A	N/A	N/A	N/A

Trustees/Year	Aggregate compensation from the fund (\$)	Pension or retirement benefits accrued as part of fund expenses (\$)	Aggregate compensation from the fund (\$)	Pension or retirement benefits accrued as part of fund expenses (\$)
	Putnam U.S. Government Income Trust		Putnam Voyager Fund	
Liaquat Ahamed/2012(3)(4)	6,333	N/A	14,985	N/A
Ravi Akhouri/2009	6,501	N/A	15,394	N/A
Barbara M. Baumann/2010(4)	6,501	N/A	15,394	N/A
Jameson A. Baxter/1994(4)(6)	9,100	3,164	20,875	7,361
Charles B. Curtis/2001	6,501	1,951	15,394	4,554
Robert J. Darretta/2007(4)	6,501	N/A	15,394	N/A
Katinka Domotorffy/2012(3)(4)	6,732	N/A	15,914	N/A
John A. Hill/1985(4)	6,501	5,489	15,394	12,766
Paul L. Joskow/1997(4)	6,594	2,198	15,645	5,107
Elizabeth T. Kennan/1992(5)	5,587	3,548	12,945	8,298
Kenneth R. Leibler/2006	7,050	N/A	16,693	N/A
Robert E. Patterson/1984	7,050	3,306	16,693	7,675
George Putnam, III/1984	6,501	3,450	15,394	7,982
W. Thomas Stephens/1997(7)	6,501	2,216	15,394	5,164
Robert L. Reynolds/2008(8)	N/A	N/A	N/A	N/A
	Putnam VT Absolute Return 500 Fund		Putnam VT American Government Income Fund	
Liaquat Ahamed/2012(3)(4)	18	N/A	127	N/A
Ravi Akhouri/2009	89	N/A	746	N/A
Barbara M. Baumann/2010(4)	77	N/A	659	N/A
Jameson A. Baxter/1994(4)(6)	114	34	968	253
Charles B. Curtis/2001	88	22	733	158
Robert J. Darretta/2007(4)	67	N/A	596	N/A
Katinka Domotorffy/2012(3)(4)	38	N/A	255	N/A
John A. Hill/1985(4)	88	60	734	437
Paul L. Joskow/1997(4)	83	24	695	174
Elizabeth T. Kennan/1992(5)	82	20	667	291
Kenneth R. Leibler/2006	97	N/A	806	N/A
Robert E. Patterson/1984	97	35	806	261
George Putnam, III/1984	89	35	746	267
W. Thomas Stephens/1997(7)	89	25	746	178
Robert L. Reynolds/2008(8)	N/A	N/A	N/A	N/A
	Putnam VT Capital Opportunities Fund		Putnam VT Diversified Income Fund	
Liaquat Ahamed/2012(3)(4)	34	N/A	473	N/A
Ravi Akhouri/2009	191	N/A	2,665	N/A
Barbara M. Baumann/2010(4)	169	N/A	2,337	N/A
Jameson A. Baxter/1994(4)(6)	248	66	3,452	911
Charles B. Curtis/2001	188	41	2,623	571
Robert J. Darretta/2007(4)	152	N/A	2,093	N/A
Katinka Domotorffy/2012(3)(4)	67	N/A	963	N/A
John A. Hill/1985(4)	188	114	2,623	1,578
Paul L. Joskow/1997(4)	179	45	2,480	628
Elizabeth T. Kennan/1992(5)	173	76	2,416	1,050
Kenneth R. Leibler/2006	207	N/A	2,879	N/A
Robert E. Patterson/1984	207	68	2,879	942
George Putnam, III/1984	191	70	2,665	964
W. Thomas Stephens/1997(7)	191	46	2,665	644
Robert L. Reynolds/2008(8)	N/A	N/A	N/A	N/A

Trustees/Year	Aggregate compensation from the fund (\$)	Pension or retirement benefits accrued as part of fund expenses (\$)	Aggregate compensation from the fund (\$)	Pension or retirement benefits accrued as part of fund expenses (\$)
	Putnam VT Equity Income Fund		Putnam VT George Putnam Balanced Fund	
Liaquat Ahamed/2012(3)(4)	400	N/A	188	N/A
Ravi Akhoury/2009	2,203	N/A	1,058	N/A
Barbara M. Baumann/2010(4)	1,926	N/A	930	N/A
Jameson A. Baxter/1994(4)(6)	2,826	757	1,368	363
Charles B. Curtis/2001	2,169	475	1,041	228
Robert J. Darretta/2007(4)	1,714	N/A	835	N/A
Katinka Domotorffy/2012(3)(4)	818	N/A	379	N/A
John A. Hill/1985(4)	2,170	1,311	1,042	629
Paul L. Joskow/1997(4)	2,047	522	986	250
Elizabeth T. Kennan/1992(5)	1,999	873	957	419
Kenneth R. Leibler/2006	2,381	N/A	1,144	N/A
Robert E. Patterson/1984	2,381	783	1,144	375
George Putnam, III/1984	2,203	801	1,058	384
W. Thomas Stephens/1997(7)	2,203	535	1,058	257
Robert L. Reynolds/2008(8)	N/A	N/A	N/A	N/A
	Putnam VT Global Asset Allocation Fund		Putnam VT Global Equity Fund	
Liaquat Ahamed/2012(3)(4)	224	N/A	208	N/A
Ravi Akhoury/2009	1,253	N/A	1,169	N/A
Barbara M. Baumann/2010(4)	1,100	N/A	1,025	N/A
Jameson A. Baxter/1994(4)(6)	1,617	431	1,503	400
Charles B. Curtis/2001	1,233	270	1,150	251
Robert J. Darretta/2007(4)	986	N/A	917	N/A
Katinka Domotorffy/2012(3)(4)	452	N/A	424	N/A
John A. Hill/1985(4)	1,234	746	1,151	693
Paul L. Joskow/1997(4)	1,167	297	1,087	276
Elizabeth T. Kennan/1992(5)	1,134	496	1,059	462
Kenneth R. Leibler/2006	1,354	N/A	1,263	N/A
Robert E. Patterson/1984	1,354	445	1,263	414
George Putnam, III/1984	1,253	456	1,169	424
W. Thomas Stephens/1997(7)	1,253	304	1,169	283
Robert L. Reynolds/2008(8)	N/A	N/A	N/A	N/A
	Putnam VT Global Health Care Fund		Putnam VT Global Utilities Fund	
Liaquat Ahamed/2012(3)(4)	116	N/A	118	N/A
Ravi Akhoury/2009	622	N/A	683	N/A
Barbara M. Baumann/2010(4)	542	N/A	603	N/A
Jameson A. Baxter/1994(4)(6)	798	216	884	233
Charles B. Curtis/2001	612	135	671	146
Robert J. Darretta/2007(4)	482	N/A	546	N/A
Katinka Domotorffy/2012(3)(4)	236	N/A	235	N/A
John A. Hill/1985(4)	612	374	672	403
Paul L. Joskow/1997(4)	577	149	637	160
Elizabeth T. Kennan/1992(5)	565	249	614	268
Kenneth R. Leibler/2006	672	N/A	737	N/A
Robert E. Patterson/1984	672	223	737	240
George Putnam, III/1984	622	228	683	246
W. Thomas Stephens/1997(7)	622	152	683	164
Robert L. Reynolds/2008(8)	N/A	N/A	N/A	N/A

Trustees/Year	Aggregate compensation from the fund (\$)	Pension or retirement benefits accrued as part of fund expenses (\$)	Aggregate compensation from the fund (\$)	Pension or retirement benefits accrued as part of fund expenses (\$)
	Putnam VT Growth and Income Fund		Putnam VT Growth Opportunities Fund	
Liaquat Ahamed/2012(3)(4)	1,235	N/A	28	N/A
Ravi Akhoury/2009	6,924	N/A	151	N/A
Barbara M. Baumann/2010(4)	6,085	N/A	132	N/A
Jameson A. Baxter/1994(4)(6)	8,925	2,378	195	52
Charles B. Curtis/2001	6,815	1,492	149	33
Robert J. Darretta/2007(4)	5,457	N/A	118	N/A
Katinka Domotorffy/2012(3)(4)	2,491	N/A	55	N/A
John A. Hill/1985(4)	6,818	4,119	148	91
Paul L. Joskow/1997(4)	6,448	1,640	140	36
Elizabeth T. Kennan/1992(5)	6,271	2,742	137	60
Kenneth R. Leibler/2006	7,482	N/A	163	N/A
Robert E. Patterson/1984	7,482	2,458	163	54
George Putnam, III/1984	6,924	2,517	151	55
W. Thomas Stephens/1997(7)	6,924	1,680	151	37
Robert L. Reynolds/2008(8)	N/A	N/A	N/A	N/A
	Putnam VT High Yield Fund		Putnam VT Income Fund	
Liaquat Ahamed/2012(3)(4)	421	N/A	407	N/A
Ravi Akhoury/2009	2,335	N/A	2,302	N/A
Barbara M. Baumann/2010(4)	2,044	N/A	2,019	N/A
Jameson A. Baxter/1994(4)(6)	3,011	802	2,978	785
Charles B. Curtis/2001	2,299	503	2,265	493
Robert J. Darretta/2007(4)	1,825	N/A	1,807	N/A
Katinka Domotorffy/2012(3)(4)	858	N/A	831	N/A
John A. Hill/1985(4)	2,299	1,388	2,266	1,360
Paul L. Joskow/1997(4)	2,171	553	2,142	542
Elizabeth T. Kennan/1992(5)	2,119	924	2,080	905
Kenneth R. Leibler/2006	2,523	N/A	2,487	N/A
Robert E. Patterson/1984	2,523	828	2,487	812
George Putnam, III/1984	2,335	848	2,302	831
W. Thomas Stephens/1997(7)	2,335	566	2,302	555
Robert L. Reynolds/2008(8)	N/A	N/A	N/A	N/A
	Putnam VT International Equity Fund		Putnam VT International Growth Fund	
Liaquat Ahamed/2012(3)(4)	435	N/A	58	N/A
Ravi Akhoury/2009	2,464	N/A	331	N/A
Barbara M. Baumann/2010(4)	2,165	N/A	291	N/A
Jameson A. Baxter/1994(4)(6)	3,167	843	426	113
Charles B. Curtis/2001	2,425	529	326	71
Robert J. Darretta/2007(4)	1,940	N/A	261	N/A
Katinka Domotorffy/2012(3)(4)	885	N/A	118	N/A
John A. Hill/1985(4)	2,428	1,460	326	195
Paul L. Joskow/1997(4)	2,294	581	308	78
Elizabeth T. Kennan/1992(5)	2,230	972	299	130
Kenneth R. Leibler/2006	2,663	N/A	358	N/A
Robert E. Patterson/1984	2,663	871	358	116
George Putnam, III/1984	2,464	892	331	119
W. Thomas Stephens/1997(7)	2,464	595	331	80
Robert L. Reynolds/2008(8)	N/A	N/A	N/A	N/A

Trustees/Year	Aggregate compensation from the fund (\$)	Pension or retirement benefits accrued as part of fund expenses (\$)	Aggregate compensation from the fund (\$)	Pension or retirement benefits accrued as part of fund expenses (\$)
	Putnam VT International Value Fund		Putnam VT Investors Fund	
Liaquat Ahamed/2012(3)(4)	114	N/A	243	N/A
Ravi Akhoury/2009	649	N/A	1,372	N/A
Barbara M. Baumann/2010(4)	571	N/A	1,210	N/A
Jameson A. Baxter/1994(4)(6)	834	221	1,772	472
Charles B. Curtis/2001	639	139	1,350	296
Robert J. Darretta/2007(4)	511	N/A	1,089	N/A
Katinka Domotorffy/2012(3)(4)	232	N/A	485	N/A
John A. Hill/1985(4)	640	383	1,351	817
Paul L. Joskow/1997(4)	604	153	1,279	325
Elizabeth T. Kennan/1992(5)	587	255	1,239	544
Kenneth R. Leibler/2006	702	N/A	1,483	N/A
Robert E. Patterson/1984	702	229	1,483	488
George Putnam, III/1984	649	234	1,372	499
W. Thomas Stephens/1997(7)	649	156	1,372	333
Robert L. Reynolds/2008(8)	N/A	N/A	N/A	N/A
	Putnam VT Money Market Fund		Putnam VT Multi-Cap Growth Fund	
Liaquat Ahamed/2012(3)(4)	230	N/A	699	N/A
Ravi Akhoury/2009	1,378	N/A	3,940	N/A
Barbara M. Baumann/2010(4)	1,219	N/A	3,464	N/A
Jameson A. Baxter/1994(4)(6)	1,788	463	5,089	1,352
Charles B. Curtis/2001	1,354	291	3,879	848
Robert J. Darretta/2007(4)	1,104	N/A	3,108	N/A
Katinka Domotorffy/2012(3)(4)	465	N/A	1,411	N/A
John A. Hill/1985(4)	1,357	802	3,880	2,341
Paul L. Joskow/1997(4)	1,285	319	3,671	932
Elizabeth T. Kennan/1992(5)	1,233	534	3,574	1,558
Kenneth R. Leibler/2006	1,489	N/A	4,258	N/A
Robert E. Patterson/1984	1,489	479	4,258	1,397
George Putnam, III/1984	1,378	490	3,940	1,431
W. Thomas Stephens/1997(7)	1,378	327	3,940	955
Robert L. Reynolds/2008(8)	N/A	N/A	N/A	N/A
	Putnam VT Multi-Cap Value Fund		Putnam VT Research Fund	
Liaquat Ahamed/2012(3)(4)	36	N/A	58	N/A
Ravi Akhoury/2009	205	N/A	327	N/A
Barbara M. Baumann/2010(4)	180	N/A	288	N/A
Jameson A. Baxter/1994(4)(6)	264	70	422	113
Charles B. Curtis/2001	202	44	322	71
Robert J. Darretta/2007(4)	161	N/A	258	N/A
Katinka Domotorffy/2012(3)(4)	73	N/A	117	N/A
John A. Hill/1985(4)	202	121	322	195
Paul L. Joskow/1997(4)	191	48	305	78
Elizabeth T. Kennan/1992(5)	185	80	296	130
Kenneth R. Leibler/2006	221	N/A	353	N/A
Robert E. Patterson/1984	221	72	353	116
George Putnam, III/1984	205	74	327	119
W. Thomas Stephens/1997(7)	205	49	327	80
Robert L. Reynolds/2008(8)	N/A	N/A	N/A	N/A

Trustees/Year	Aggregate compensation from the fund (\$)	Pension or retirement benefits accrued as part of fund expenses (\$)	Aggregate compensation from the fund (\$)	Pension or retirement benefits accrued as part of fund expenses (\$)
	Putnam VT Small Cap Value Fund		Putnam VT Voyager Fund	
Liaquat Ahamed/2012(3)(4)	229	N/A	832	N/A
Ravi Akhoury/2009	1,331	N/A	4,738	N/A
Barbara M. Baumann/2010(4)	1,169	N/A	4,181	N/A
Jameson A. Baxter/1994(4)(6)	1,715	450	6,127	1,626
Charles B. Curtis/2001	1,310	282	4,665	1,020
Robert J. Darretta/2007(4)	1,048	N/A	3,766	N/A
Katinka Domotorffy/2012(3)(4)	471	N/A	1,664	N/A
John A. Hill/1985(4)	1,311	779	4,667	2,817
Paul L. Joskow/1997(4)	1,239	310	4,422	1,122
Elizabeth T. Kennan/1992(5)	1,203	518	4,295	1,875
Kenneth R. Leibler/2006	1,438	N/A	5,121	N/A
Robert E. Patterson/1984	1,438	465	5,121	1,681
George Putnam, III/1984	1,331	476	4,738	1,721
W. Thomas Stephens/1997(7)	1,331	318	4,738	1,149
Robert L. Reynolds/2008(8)	N/A	N/A	N/A	N/A

Trustees/Year	For All Funds	
	Estimated annual benefits from all Putnam funds upon retirement (\$) (1)	Total compensation from all Putnam Funds (\$) (2)
Liaquat Ahamed/2012(3)(4)	N/A	94,288
Ravi Akhoury/2009	N/A	303,000
Barbara M. Baumann/2010(4)	N/A	297,000
Jameson A. Baxter/1994(4)(6)	110,500	442,063
Charles B. Curtis/2001	113,900	303,000
Robert J. Darretta/2007(4)	N/A	303,000
Katinka Domotorffy /2012(3)(4)	N/A	106,288
John A. Hill/1985(4)	161,700	297,000
Paul L. Joskow/1997(4)	113,400	303,000
Elizabeth T. Kennan/1992(5)	108,000	303,000
Kenneth R. Leibler/2006	N/A	328,000
Robert E. Patterson/1984	106,500	328,000
George Putnam, III/1984	130,300	303,000
W. Thomas Stephens/1997(7)	107,100	303,000
Robert L. Reynolds/2008(8)	N/A	N/A

* Since these funds have not yet completed their first full fiscal year of operation, these amounts represent estimated annual fees based on the fees paid for a partial fiscal year.

- (1) Estimated benefits for each Trustee are based on Trustee fee rates for calendar years 2003, 2004 and 2005.
- (2) As of December 31, 2012, there were 109 funds in the Putnam family.
- (3) Mr. Ahamed and Ms. Domotorffy were appointed to the Board of Trustees of the Putnam funds effective September 13, 2012.
- (4) Certain Trustees are also owed compensation deferred pursuant to a Trustee Compensation Deferral Plan. As of each fund's fiscal year ended prior to October 1, 2013, the total amounts of deferred compensation payable each fund listed below, including income earned on such amounts, to these Trustees were (in dollars):

Fund	Mr. Ahamed	Ms. Baumann	Ms. Baxter	Mr. Darretta	Ms. Domotorffy	Mr. Hill	Dr. Joskow
Putnam Absolute Return 100 Fund	55	210	1,232	449	0	3,521	981
Putnam Absolute Return 300 Fund	196	755	4,432	1,614	0	12,667	3,529
Putnam Absolute Return 500 Fund	118	453	2,657	968	0	7,593	2,116
Putnam Absolute Return 700 Fund	102	394	2,313	843	0	6,612	1,842
Putnam American Government Income Fund	3,593	4,877	21,692	10,184	619	57,727	16,808
Putnam AMT-Free Municipal Fund	1,784	2,425	10,696	5,063	308	28,593	8,334
Putnam Arizona Tax Exempt Income Fund	483	790	3,755	1,656	68	10,306	2,960
Putnam Asia Pacific Equity Fund	6	10	49	22	1	134	39
Putnam California Tax Exempt Income Fund	6,205	8,422	37,462	17,587	1,069	99,694	29,027
Putnam Capital Opportunities Fund	1,149	1,879	8,931	3,941	161	24,490	7,040
Putnam Capital Spectrum Fund	660	1,078	5,126	2,262	92	14,055	4,040
Putnam Convertible Securities Fund	690	2,653	15,575	5,673	0	44,514	12,403
Putnam Diversified Income Trust	10,622	14,417	64,129	30,107	1,829	170,661	49,690
Putnam Dynamic Asset Allocation Balanced Fund	4,341	5,893	26,210	12,305	748	69,752	20,309
Putnam Dynamic Asset Allocation Conservative Fund	1,867	2,534	11,270	5,291	321	29,991	8,732
Putnam Dynamic Asset Allocation Equity Fund	20	33	159	70	3	437	126
Putnam Dynamic Asset Allocation Growth Fund	4,354	5,910	26,289	12,342	750	69,962	20,370
Putnam Dynamic Risk Allocation Fund	54	88	416	184	7	1,142	328
Putnam Emerging Markets Equity Fund	52	70	311	146	9	826	241
Putnam Emerging Markets Income Fund	0	0	0	0	0	0	0
Putnam Equity Income Fund	1,942	7,471	43,877	15,975	0	125,503	34,944
Putnam Equity Spectrum Fund	303	495	2,355	1,039	42	6,457	1,856
Putnam Europe Equity Fund	2,024	3,303	15,729	6,931	282	43,225	12,412
Putnam Floating Rate Income Fund	392	866	4,456	1,827	33	12,534	3,556
The Putnam Fund for Growth and Income	7,624	29,335	172,197	62,722	0	492,132	137,127
The George Putnam Fund of Boston (d/b/a George Putnam Balanced Fund)	8,863	12,044	53,131	25,152	1,528	142,032	41,399
Putnam Global Consumer Fund	20	27	121	57	3	321	93
Putnam Global Dividend Fund	0	0	0	0	0	0	0
Putnam Global Energy Fund	24	32	142	67	4	377	110
Putnam Global Equity Fund	1,933	7,437	43,656	15,901	0	124,768	34,765
Putnam Global Financials Fund	17	23	101	47	3	267	78
Putnam Global Health Care Fund	6,934	9,424	41,871	19,679	1,196	111,283	32,408
Putnam Global Income Trust	364	1,402	8,228	2,997	0	23,514	6,552
Putnam Global Industrials Fund	18	24	108	51	3	287	84
Putnam Global Natural Resources Fund	1,132	1,539	6,836	3,213	195	18,168	5,291
Putnam Global Sector Fund	0	0	0	0	0	0	0
Putnam Global Technology Fund	18	24	106	50	3	281	82
Putnam Global Telecommunications Fund	17	24	105	49	3	280	81
Putnam Global Utilities Fund	2,808	3,816	16,954	7,968	484	45,059	13,122
Putnam Growth Opportunities Fund	3,465	4,709	20,772	9,833	597	55,530	16,185
Putnam High Yield Advantage Fund	948	3,647	21,416	7,797	0	61,257	17,056
Putnam High Yield Trust	7,524	10,226	45,435	21,354	1,297	120,756	35,166
Putnam Income Fund	1,215	4,677	27,453	9,999	0	78,458	21,861
Putnam Intermediate-Term Municipal Income Fund	0	0	0	0	0	0	0
Putnam International Capital Opportunities Fund	2,590	3,520	15,641	7,351	447	41,570	12,106
Putnam International Equity Fund	6,939	11,328	53,937	23,765	969	148,220	42,563
Putnam International Growth Fund	3,730	5,062	22,517	10,571	642	59,923	17,447

Fund	Mr. Ahamed	Ms. Baumann	Ms. Baxter	Mr. Darretta	Ms. Domotorffy	Mr. Hill	Dr. Joskow
Putnam International Value Fund	1,356	2,214	10,540	4,644	189	28,965	8,317
Putnam Investors Fund	12,382	16,828	74,230	35,140	2,135	198,435	57,839
Putnam Low Volatility Equity Fund	3	4	19	9	1	50	15
Putnam Massachusetts Tax Exempt Fund	741	1,211	5,758	2,540	104	15,805	4,539
Putnam Michigan Tax Exempt Income Fund	496	810	3,853	1,700	69	10,575	3,037
Putnam Minnesota Tax Exempt Income Fund	511	835	3,971	1,752	71	10,898	3,130
Putnam Money Market Fund	6,541	8,878	39,488	18,538	1,126	105,085	30,597
Putnam Money Market Liquidity Fund	3,712	5,039	22,412	10,522	639	59,644	17,366
Putnam Multi-Cap Core Fund	5	8	40	18	1	109	31
Putnam Multi-Cap Growth Fund	27,997	45,705	217,623	95,888	3,908	598,038	171,731
Putnam Multi-Cap Value Fund	1,025	1,676	7,966	3,515	143	21,842	6,279
Putnam New Jersey Tax Exempt Income Fund	642	1,050	4,995	2,203	90	13,709	3,937
Putnam New York Tax Exempt Income Fund	960	3,694	21,691	7,897	0	62,045	17,275
Putnam Ohio Tax Exempt Income Fund	558	913	4,341	1,915	78	11,914	3,422
Putnam Pennsylvania Tax Exempt Income Fund	613	1,001	4,763	2,101	86	13,073	3,755
Putnam Research Fund	1,629	2,215	9,769	4,624	281	26,114	7,612
Putnam RetirementReady 2055 Fund	0	0	0	0	0	0	0
Putnam RetirementReady 2050 Fund	0	0	0	0	0	0	0
Putnam RetirementReady 2045 Fund	0	0	0	0	0	0	0
Putnam RetirementReady 2040 Fund	0	0	0	0	0	0	0
Putnam RetirementReady 2035 Fund	0	0	0	0	0	0	0
Putnam RetirementReady 2030 Fund	0	0	0	0	0	0	0
Putnam RetirementReady 2025 Fund	0	0	0	0	0	0	0
Putnam RetirementReady 2020 Fund	0	0	0	0	0	0	0
Putnam RetirementReady 2015 Fund	0	0	0	0	0	0	0
Putnam Retirement Income Fund Lifestyle 1	0	0	0	0	0	0	0
Putnam Retirement Income Fund Lifestyle 2	5	7	30	14	1	80	23
Putnam Retirement Income Fund Lifestyle 3	158	348	1,790	734	13	5,036	1,429
Putnam Short Duration Income Fund	294	400	1,765	836	51	4,718	1,375
Putnam Short Term Investment Fund	550	748	3,298	1,561	95	8,817	2,570
Putnam Short-Term Municipal Income Fund	0	0	0	0	0	0	0
Putnam Small Cap Growth Fund	517	843	4,015	1,769	72	11,034	3,168
Putnam Small Cap Value Fund	590	1,304	6,707	2,749	50	18,886	5,353
Putnam Strategic Volatility Equity Fund	1	1	5	2	0	13	4
Putnam Tax Exempt Income Fund	5,419	7,355	32,716	15,359	933	87,063	25,350
Putnam Tax Exempt Money Market Fund	614	834	3,709	1,741	106	9,869	2,874
Putnam Tax-Free High Yield Fund	5,833	7,928	34,970	16,555	1,006	93,484	27,248
Putnam U.S. Government Income Trust	7,106	9,646	42,904	20,142	1,224	114,175	33,244
Putnam Voyager Fund	25,059	34,056	150,226	71,116	4,321	401,594	117,054
Putnam VT Absolute Return 500 Fund	1	5	30	11	0	87	24
Putnam VT American Government Income Fund	182	702	4,078	1,493	0	11,692	3,268
Putnam VT Capital Opportunities Fund	87	334	1,942	711	0	5,569	1,557
Putnam VT Diversified Income Fund	290	1,119	6,500	2,379	0	18,637	5,209
Putnam VT Equity Income Fund	374	1,444	8,387	3,070	0	24,047	6,721
Putnam VT George Putnam Balanced Fund	250	967	5,614	2,055	0	16,095	4,499
Putnam VT Global Asset Allocation Fund	407	1,573	9,133	3,343	0	26,186	7,319
Putnam VT Global Equity Fund	7	28	163	60	0	467	130

Fund	Mr. Ahamed	Ms. Baumann	Ms. Baxter	Mr. Darretta	Ms. Domotorffy	Mr. Hill	Dr. Joskow
Putnam VT Global Health Care Fund	181	699	4,058	1,485	0	11,635	3,252
Putnam VT Global Utilities Fund	439	1,696	9,851	3,606	0	28,243	7,894
Putnam VT Growth and Income Fund	2,053	7,927	46,037	16,851	0	131,995	36,894
Putnam VT Growth Opportunities Fund	139	536	3,116	1,140	0	8,933	2,497
Putnam VT High Yield Fund	559	2,157	12,527	4,585	0	35,917	10,039
Putnam VT Income Fund	576	2,222	12,905	4,724	0	36,999	10,342
Putnam VT International Equity Fund	361	1,393	8,090	2,961	0	23,196	6,483
Putnam VT International Growth Fund	180	696	4,041	1,479	0	11,585	3,238
Putnam VT International Value Fund	201	778	4,516	1,653	0	12,948	3,619
Putnam VT Investors Fund	357	1,379	8,010	2,932	0	22,965	6,419
Putnam VT Money Market Fund	244	942	5,473	2,004	0	15,693	4,386
Putnam VT Multi-Cap Growth Fund	1,573	6,074	35,277	12,913	0	101,143	28,271
Putnam VT Multi-Cap Value Fund	100	387	2,247	823	0	6,443	1,801
Putnam VT Research Fund	169	654	3,797	1,390	0	10,887	3,043
Putnam VT Small Cap Value Fund	245	945	5,489	2,009	0	15,737	4,399
Putnam VT Voyager Fund	1,611	6,218	36,113	13,219	0	103,541	28,941

- (5) Dr. Kennan retired from the Board of Trustees of the Putnam funds on June 30, 2010. Upon her retirement in 2010, Dr. Kennan became entitled to receive annual retirement benefit payments from the funds commencing on January 15, 2011. Dr. Kennan was re-appointed to the Board of Trustees of the Putnam funds effective January 1, 2012, and in connection with her re-appointment, Dr. Kennan agreed to suspend the balance of her retirement benefit payments for the duration of her service as a Trustee, which concluded with her retirement on June 30, 2013.
- (6) Includes additional compensation to Ms. Baxter for service as Chair of the Trustees of the Putnam funds.
- (7) Mr. Stephens retired from the Board of Trustees of the Putnam funds on March 31, 2008. Upon his retirement in 2008, Mr. Stephens became entitled to receive annual retirement benefit payments from the funds commencing on January 15, 2009. Mr. Stephens was reappointed to the Board of Trustees of the Putnam funds effective May 14, 2009, and in connection with his re-appointment, Mr. Stephens has agreed to suspend the balance of his retirement benefit payments for the duration of his service as a Trustee.
- (8) Mr. Reynolds is an "interested person" of the fund and Putnam Management.

Appendix J — Payments to Putnam Management and its Affiliates

The following fees were paid by the funds to Putnam Management and its affiliates during each fund's most recent fiscal year ended prior to October 1, 2013 (other than under a management contract). These services will continue to be provided regardless of whether the proposed management contract is approved.

Fund	Fees paid to Putnam Investor Services, Inc. for serving as investor servicing agent (\$)	Fees paid to Putnam Retail Management Limited Partnership pursuant to distribution plans (\$)	Fiscal Year End
Putnam Absolute Return 100 Fund	474,465	1,031,993	October 31, 2012
Putnam Absolute Return 300 Fund	1,710,863	4,175,211	October 31, 2012
Putnam Absolute Return 500 Fund	1,471,310	3,221,789	October 31, 2012
Putnam Absolute Return 700 Fund	1,278,371	2,432,991	October 31, 2012
Putnam American Government Income Fund	1,015,390	1,883,369	September 30, 2013
Putnam AMT-Free Municipal Fund	222,365	1,461,249	July 31, 2013
Putnam Arizona Tax Exempt Income Fund	27,962	168,205	May 31, 2013
Putnam Asia Pacific Equity Fund	23,436	23,104	April 30, 2013
Putnam California Tax Exempt Income Fund	763,676	3,985,772	September 30, 2013
Putnam Capital Opportunities Fund	1,003,059	1,058,521	April 30, 2013
Putnam Capital Spectrum Fund	2,753,896	4,403,917	April 30, 2013
Putnam Convertible Securities Fund	1,135,764	1,788,739	October 31, 2012
Putnam Diversified Income Trust	5,281,982	13,437,739	September 30, 2013
Putnam Dynamic Asset Allocation Balanced Fund	2,316,684	4,411,525	September 30, 2013
Putnam Dynamic Asset Allocation Conservative Fund	983,625	1,801,127	September 30, 2013
Putnam Dynamic Asset Allocation Equity Fund	54,751	Not Applicable	May 31, 2013
Putnam Dynamic Asset Allocation Growth Fund	2,779,339	5,723,210	September 30, 2013
Putnam Dynamic Risk Allocation Fund	385,754	271,846	May 31, 2013
Putnam Emerging Markets Equity Fund	92,752	107,376	August 31, 2013
Putnam Emerging Markets Income Fund ⁽¹⁾	2,714	4,981	May 31, 2013
Putnam Equity Income Fund	10,469,811	8,984,723	November 30, 2012
Putnam Equity Spectrum Fund	2,066,253	1,597,709	April 30, 2013
Putnam Europe Equity Fund	449,126	423,779	June 30, 2013
Putnam Floating Rate Income Fund	726,430	1,482,887	February 28, 2013
The Putnam Fund for Growth and Income	13,957,474	12,133,902	October 31, 2012
The George Putnam Fund of Boston (d/b/a George Putnam Balanced Fund)	2,152,977	3,521,984	July 31, 2013
Putnam Global Consumer Fund	40,219	50,481	August 31, 2013
Putnam Global Dividend Fund ⁽²⁾	2,985	2,853	May 31, 2013
Putnam Global Energy Fund	52,089	73,964	August 31, 2013
Putnam Global Equity Fund	2,433,373	2,189,632	October 31, 2012
Putnam Global Financials Fund	40,663	62,452	August 31, 2013
Putnam Global Health Care Fund	3,031,137	3,118,533	August 31, 2013
Putnam Global Income Trust	522,094	1,157,214	October 31, 2012
Putnam Global Industrials Fund	33,099	35,260	August 31, 2013
Putnam Global Natural Resources Fund	850,290	991,706	August 31, 2013
Putnam Global Sector Fund	Not Applicable	8,006	October 31, 2012
Putnam Global Technology Fund	32,790	43,561	August 31, 2013
Putnam Global Telecommunications Fund	44,498	45,928	August 31, 2013
Putnam Global Utilities Fund	577,589	595,793	August 31, 2013
Putnam Growth Opportunities Fund	995,372	1,123,646	July 31, 2013
Putnam High Income Securities Fund	74,282	Not Applicable	August 31, 2013
Putnam High Yield Advantage Fund	1,418,455	2,591,252	November 30, 2012
Putnam High Yield Trust	2,160,229	3,883,592	August 31, 2013
Putnam Income Fund	2,049,795	5,031,437	October 31, 2012
Putnam Intermediate-Term Municipal Income Fund ⁽²⁾	955	5,324	May 31, 2013
Putnam International Capital Opportunities Fund	2,317,412	2,507,276	August 31, 2013

Fund	Fees paid to Putnam Investor Services, Inc. for serving as investor servicing agent (\$)	Fees paid to Putnam Retail Management Limited Partnership pursuant to distribution plans (\$)	Fiscal Year End
Putnam International Equity Fund	2,734,529	2,982,174	June 30, 2013
Putnam International Growth Fund	925,166	963,671	September 30, 2013
Putnam International Value Fund	578,981	643,799	June 30, 2013
Putnam Investors Fund	3,945,540	4,123,230	July 31, 2013
Putnam Low Volatility Equity Fund ⁽³⁾	16,338	3,416	July 31, 2013
Putnam Managed Municipal Income Trust	224,508	Not Applicable	October 31, 2012
Putnam Massachusetts Tax Exempt Income Fund	186,287	1,266,527	May 31, 2013
Putnam Master Intermediate Income Trust	181,604	Not Applicable	September 30, 2013
Putnam Michigan Tax Exempt Income Fund	35,720	205,297	May 31, 2013
Putnam Minnesota Tax Exempt Income Fund	52,934	412,305	May 31, 2013
Putnam Money Market Fund	2,431,979	425,507	September 30, 2013
Putnam Money Market Liquidity Fund	274,809	Not Applicable	September 30, 2013
Putnam Multi-Cap Core Fund	29,641	24,828	April 30, 2013
Putnam Multi-Cap Growth Fund	9,165,534	9,170,915	June 30, 2013
Putnam Multi-Cap Value Fund	1,061,869	1,124,173	April 30, 2013
Putnam Municipal Opportunities Trust	287,190	Not Applicable	April 30, 2013
Putnam New Jersey Tax Exempt Income Fund	126,721	945,333	May 31, 2013
Putnam New York Tax Exempt Income Fund	559,525	3,228,628	November 30, 2012
Putnam Ohio Tax Exempt Income Fund	71,085	471,618	May 31, 2013
Putnam Pennsylvania Tax Exempt Income Fund	109,650	856,749	May 31, 2013
Putnam Premier Income Trust	419,291	Not Applicable	July 31, 2013
Putnam Research Fund	617,716	708,536	July 31, 2013
Putnam RetirementReady 2055 Fund	Not Applicable	2,084	July 31, 2013
Putnam RetirementReady 2050 Fund	Not Applicable	20,407	July 31, 2013
Putnam RetirementReady 2045 Fund	Not Applicable	27,735	July 31, 2013
Putnam RetirementReady 2040 Fund	Not Applicable	45,849	July 31, 2013
Putnam RetirementReady 2035 Fund	Not Applicable	63,058	July 31, 2013
Putnam RetirementReady 2030 Fund	Not Applicable	89,845	July 31, 2013
Putnam RetirementReady 2025 Fund	Not Applicable	99,893	July 31, 2013
Putnam RetirementReady 2020 Fund	Not Applicable	100,877	July 31, 2013
Putnam RetirementReady 2015 Fund	Not Applicable	72,362	July 31, 2013
Putnam Retirement Income Fund Lifestyle 1	Not Applicable	59,318	July 31, 2013
Putnam Retirement Income Fund Lifestyle 2	9,728	31,979	August 31, 2013
Putnam Retirement Income Fund Lifestyle 3	21,649	65,239	February 28, 2013
Putnam Short Duration Income Fund	154,282	580,555	July 31, 2013
Putnam Short Term Investment Fund ⁽⁴⁾	112,958	Not Applicable	July 31, 2013
Putnam Short-Term Municipal Income Fund ⁽²⁾	985	5,862	May 31, 2013
Putnam Small Cap Growth Fund	332,286	341,912	June 30, 2013
Putnam Small Cap Value Fund	469,224	458,195	February 28, 2013
Putnam Strategic Volatility Equity Fund ⁽³⁾	3,527	2,959	July 31, 2013
Putnam Tax Exempt Income Fund	549,225	2,912,181	September 30, 2013
Putnam Tax Exempt Money Market Fund	19,922	Not Applicable	September 30, 2013
Putnam Tax-Free High Yield Fund	517,186	3,215,051	July 31, 2013
Putnam U.S. Government Income Trust	2,238,654	4,855,700	September 30, 2013
Putnam Voyager Fund	9,959,646	10,206,694	July 31, 2013
Putnam VT Absolute Return 500 Fund	15,327	13,504	December 31, 2012
Putnam VT American Government Income Fund	124,811	113,728	December 31, 2012
Putnam VT Capital Opportunities Fund	32,613	38,691	December 31, 2012
Putnam VT Diversified Income Fund	455,496	803,452	December 31, 2012
Putnam VT Equity Income Fund	372,500	479,082	December 31, 2012
Putnam VT George Putnam Balanced Fund	178,912	237,259	December 31, 2012
Putnam VT Global Asset Allocation Fund	211,766	181,133	December 31, 2012
Putnam VT Global Equity Fund	197,937	56,231	December 31, 2012

Fund	Fees paid to Putnam Investor Services, Inc. for serving as investor servicing agent (\$)	Fees paid to Putnam Retail Management Limited Partnership pursuant to distribution plans (\$)	Fiscal Year End
Putnam VT Global Health Care Fund	104,692	157,866	December 31, 2012
Putnam VT Global Utilities Fund	114,260	42,192	December 31, 2012
Putnam VT Growth and Income Fund	1,172,592	540,070	December 31, 2012
Putnam VT Growth Opportunities Fund	25,747	33,591	December 31, 2012
Putnam VT High Yield Fund	398,642	248,864	December 31, 2012
Putnam VT Income Fund	389,582	377,821	December 31, 2012
Putnam VT International Equity Fund	417,980	747,168	December 31, 2012
Putnam VT International Growth Fund	56,153	43,960	December 31, 2012
Putnam VT International Value Fund	109,902	93,372	December 31, 2012
Putnam VT Investors Fund	231,161	381,449	December 31, 2012
Putnam VT Money Market Fund	230,201	304,737	December 31, 2012
Putnam VT Multi-Cap Growth Fund	670,065	381,426	December 31, 2012
Putnam VT Multi-Cap Value Fund	34,664	27,164	December 31, 2012
Putnam VT Research Fund	55,333	80,031	December 31, 2012
Putnam VT Small Cap Value Fund	223,879	411,849	December 31, 2012
Putnam VT Voyager Fund	808,599	501,396	December 31, 2012

(1) The fund has not completed a full fiscal year of operations. Amounts represent fees for the period March 27, 2013 (commencement of operations) to the semi-annual period ended May 31, 2013.

(2) The fund has not completed a full fiscal year of operations. Amounts represent fees for the period March 18, 2013 (commencement of operations) to the semi-annual period ended May 31, 2013.

(3) The fund has not completed a full fiscal year of operations. Amounts represent fees for the period March 18, 2013 (commencement of operations) to the fiscal period ended July 31, 2013.

(4) The fund has not completed a full fiscal year of operations. Amounts represent fees for the period February 19, 2013 (commencement of operations) to the fiscal period ended July 31, 2013.

Appendix K — 5% Beneficial Ownership

As of September 30, 2013, to the knowledge of the Putnam funds, no person owned beneficially or of record 5% or more of any class of shares of any Putnam fund, except as shown in the tables below. Additional ownership information for the Putnam closed-end funds is shown separately at the end of this Appendix K.

Class	Shareholder Name and Address	Holdings	Percentage Owned
Putnam Absolute Return 100 Fund			
A	MLPF&S 4800 Deer Lake Dr., E., FL 3 Jacksonville, FL 32246-6484	2,613,485	16.68%
A	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	1,346,996	8.60%
A	National Financial Services, LLC 499 Washington Blvd Jersey City, NJ 07310-2010	1,220,382	7.79%
A	UBS WM USA 1000 Harbor Blvd Weehawken, NJ 07086-6761	3,093,515	19.74%
A	Wells Fargo Advisors 2801 Market St. St. Louis, MO 63103-2523	805,814	5.14%

Class	Shareholder Name and Address	Holdings	Percentage Owned
A	Raymond James 880 Carillon Pkwy St. Petersburg, FL 33716-1100	868,868	5.55%
B	Wells Fargo Advisors 2801 Market St. St. Louis, MO 63103-2523	36,356	11.90%
B	MLPF&S 4800 Deer Lake Dr., E., FL 3 Jacksonville, FL 32246-6484	77,838	25.47%
B	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	31,686	10.37%
B	National Financial Services, LLC 499 Washington Blvd Jersey City, NJ 07310-2010	21,236	6.95%
C	MLPF&S 4800 Deer Lake Dr., E., FL 3 Jacksonville, FL 32246-6484	591,198	19.22%
C	Wells Fargo Advisors 2801 Market St. St. Louis, MO 63103-2523	470,151	15.28%
C	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	414,261	13.46%

Class	Shareholder Name and Address	Holdings	Percentage Owned
Putnam Absolute Return 100 Fund (cont.)			
C	National Financial Services, LLC 499 Washington Blvd Jersey City, NJ 07310-2010	342,414	11.13%
M	Marie C. Franklin 683 RT 579 Pittstown, NJ 08867	69,814	27.36%
M	Morgan Stanley Smith Barney Harborside Financial Center Plaza 2, 3rd Floor Jersey City, NJ 07311	39,517	15.48%
M	National Financial Services, LLC 499 Washington Blvd Jersey City, NJ 07310-2010	38,545	15.10%
M	Cetera Investment Services FBO — Karl A. Copenhafer 400 First Street So. Suite 300 PO Box 283 St. Cloud, MN 56302-0283	19,942	7.81%
R	MG Trust Company FBO — Mid State Oil Tools, Inc. 700 17th St., Ste. 300 Denver, CO 80202-3304	8,644	29.00%
R	MG Trust Company FBO — Stephen Burke, D.D.S., M.S. Inc. 700 17th St., Ste. 300 Denver, CO 80202-3531	4,507	15.12%
R	MG Trust Company FBO — Allergy Diagnostics 700 17th St., Ste. 300 Denver, CO 80202-3304	2,848	9.56%
R	MG Trust Company FBO — Nathan Bining, MD PLLC 700 17th St., Ste. 300 Denver, CO 80202-3304	2,883	9.67%
R	MG Trust Company FBO — P. Nathaniel Boe 700 17th St., Ste. 300 Denver, CO 80202-3304	2,445	8.20%
R	MG Trust Company FBO — Dramatic AudioPost, Inc. 700 17th St., Ste. 300 Denver, CO 80202-3304	2,849	9.56%
R	MG Trust Company FBO — Alexandre Boudnik 700 17th St., Ste. 300 Denver, CO 80202-3304	1,578	5.29%
R5	Putnam LLC One Post Office Square Boston, MA 02109	997	100.00%
R6	Great-West Trust Company — The Putnam Retirement Plan 8515 E. Orchard Rd, #2T2 Greenwood Village, CO 80111-5002	46,949	97.92%
Y	Merrill Lynch 4800 Deer Lake Dr. E., FL 3 Jacksonville, FL 32246-6484	1,376,484	18.73%
Y	Morgan Stanley Smith Barney Harborside Financial Center Plaza 2, 3rd Floor Jersey City, NJ 07311	832,978	11.33%
Y	Wells Fargo Advisors 2801 Market St. St. Louis, MO 63103-2523	485,673	6.61%
Y	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 7399-0001	818,387	11.13%
Y	Charles Schwab & Co., Inc. 101 Montgomery St. San Francisco, CA 94104-4151	80,406	10.97%

Class	Shareholder Name and Address	Holdings	Percentage Owned
Y	Raymond James 880 Carillon Pkwy St. Petersburg, FL 33716-1100	848,841	11.55%
Y	LPL Financial 9785 Towne Centre Dr. San Diego, CA 92121	416,752	5.67%
Putnam Absolute Return 300 Fund			
A	National Financial Services, LLC 499 Washington Blvd Jersey City, NJ 07310	6,258,917	13.61%
A	UBS WM USA 1000 Harbor Blvd Weehawken, NJ 07086-6761	7,935,098	17.26%
A	Pershing LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	5,114,487	11.13%
A	Wells Fargo Advisors 2801 Market St. St. Louis, MO 63103-2523	2,655,529	5.78%
A	MLPF&S 4800 Deer Lake Dr., E., FL 3 Jacksonville, FL 32246-6484	2,877,584	6.26%
B	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	198,055	16.23%
B	Wells Fargo Advisors 2801 Market St. St. Louis, MO 63103-2523	163,943	13.43%
B	National Financial Services, LLC 499 Washington Blvd Jersey City, NJ 07310	124,500	10.20%
B	MLPF&S 4800 Deer Lake Dr., E. FL 3 Jacksonville, FL 32246-6484	124,270	10.18%
C	MLPF&S 4800 Deer Lake Dr., E. FL 3 Jacksonville, FL 32246-6484	2,633,758	16.47%
C	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	2,650,266	16.57%
C	Wells Fargo Advisors 2801 Market St. St. Louis, MO 63103-2523	1,805,565	11.29%
C	National Financial Services, LLC 499 Washington Blvd Jersey City, NJ 07310-2010	1,708,614	10.68%
C	UBS WM USA 1000 Harbor Blvd Weehawken, NJ 07086-6761	884,635	5.53%
C	LPL Financial 9785 Towne Centre Dr. San Diego, CA 92121	1,124,981	7.03%
M	Morgan Stanley Smith Barney Harborside Financial Center Plaza 2, 3rd Floor Jersey City, NJ 07311	249,991	24.00%
M	National Financial Services, LLC 499 Washington Blvd Jersey City, NJ 07310-2010	212,590	20.41%
M	Wells Fargo Advisors 2801 Market St. St. Louis, MO 63103-2523	52,337	5.02%
R	TD Ameritrade TRCO PO Box 17748 Denver, CO 80217-0748	12,445	17.23%
R	MG Trust Company FBO — Technology Advancements, Inc. 70 17th St, Ste. 300 Denver, CO 80202-3531	11,283	15.63%

Class	Shareholder Name and Address	Holdings	Percentage Owned
Putnam Absolute Return 300 Fund (cont.)			
R	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	7,356	10.19%
R	NFS, LLC FBO — State Street Bank & Trust TTEE / Waste Management Retirement Savings Plan / Mel Panko 901 Eddystone Circle Naperville, IL 60565-6113	5,519	7.64%
R	MG Trust Company FBO — J2 Trading, Inc. 717 17th St., Ste. 300 Denver, CO 80202-3304	5,289	7.32%
R	MG Trust Company FBO — Carolyn Gilbert Enterprises, LLC 700 17th St., Ste. 300 Denver, CO 80202-3531	4,998	6.92%
R5	Putnam LLC One Post Office Square Boston, MA 02109	975	100.00%
R6	Great-West Trust Company — The Putnam Retirement Plan 8515 E. Orchard Rd, #2T2 Greenwood Village, CO 80111-5002	238,417	99.59%
Y	Merrill Lynch 4800 Deer Lake Dr., E., FL 3 Jacksonville, FL 32246-6484	6,221,918	27.66%
Y	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	2,364,255	10.51%
Y	Wells Fargo Advisors 2801 Market St. St. Louis, MO 63103-2523	2,274,690	10.11%
Y	Morgan Stanley Smith Barney Harborside Financial Center Plaza 2, 3rd Floor Jersey City, NJ 07311	1,835,088	8.16%
Y	National Financial Services, LLC 499 Washington Blvd Jersey City, NJ 07310-2010	3,119,431	13.87%
Y	Charles Schwab & Co., Inc. 101 Montgomery St. San Francisco, CA 94104-4151	1,415,242	6.29%
Y	LPL Financial 9785 Towne Centre Dr. San Diego, CA 92121	1,152,425	5.12%
Putnam Absolute Return 500 Fund			
A	National Financial Services, LLC 499 Washington Blvd Jersey City, NJ 07310-2010	5,181,772	15.76%
A	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	4,337,273	13.18%
A	UBS WM USA 1000 Harbor Blvd Weehawken, NJ 07086-6761	3,307,378	10.06%
A	Wells Fargo Advisors 2801 Market St. St. Louis, MO 63103-2523	2,419,645	7.36%
A	MLPF&S 4800 Deer Lake Dr., E. FL 3 Jacksonville, FL 32246-6484	1,703,033	5.18%
B	National Financial Services, LLC 499 Washington Blvd Jersey City, NJ 07310-2010	691,576	20.89%
B	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	464,938	14.04%

Class	Shareholder Name and Address	Holdings	Percentage Owned
B	Wells Fargo Advisors 2801 Market St. St. Louis, MO 63103-2523	404,567	12.22%
B	MLPF&S 4800 Deer Lake Dr. E., FL 3 Jacksonville, FL 32246-6484	182,160	5.50%
B	LPL Financial 9785 Towne Centre Dr. San Diego, CA 92121-1968	202,749	6.12%
C	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	2,361,297	14.26%
C	National Financial Services, LLC 499 Washington Blvd Jersey City, NJ 07310-2010	1,970,369	11.90%
C	MLPF&S 4800 Deer Lake Dr., E., FL 3 Jacksonville, FL 32246-6484	1,539,593	9.30%
C	Raymond James 880 Carillon Pkwy St. Petersburg, FL 33716-1100	1,483,380	8.96%
C	Morgan Stanley Smith Barney Harborside Financial Center Plaza 2, 3rd Floor Jersey City, NJ 07311	1,133,573	6.85%
C	Wells Fargo Advisors 2801 Market St. St. Louis, MO 63103-2523	1,335,354	8.07%
M	National Financial Services, LLC 499 Washington Blvd Jersey City, NJ 07310-2010	133,988	21.34%
M	Wells Fargo Advisors 2801 Market St. St. Louis, MO 63103-2523	108,659	17.30%
M	LPL Financial 9785 Towne Centre Dr. San Diego, CA 92121	44,119	7.03%
R	MG Trust Company Salina Consolidated Fire District 700 17th St., Ste. 300 Denver, CO 80202-3531	14,899	7.90%
R	MG Trust Company Watten Discoc Bassett & McMains 700 17th St., Ste. 300 Denver, CO 80202-3531	19,667	10.42%
R	TD Ameritrade Trust Company PO Box 17748 Denver, CO 80217-0748	11,274	5.98%
R	MG Trust Company FBO — Nova Services, Inc. 700 17th St., Ste. 300 Denver, CO 80202-3531	10,144	5.38%
R	MG Trust Company FBO — Nedrow Fire Department 700 17th St., Ste. 300 Denver, CO 80202-3531	10,150	5.38%
R5	Putnam LLC One Post Office Square Boston, MA 02109	902	100.00%
R6	Great-West Trust Company — The Putnam Retirement Plan 8515 E. Orchard Rd, #2T2 Greenwood Village, CO 80111	393,965	99.77%
Y	Merrill Lynch 4800 Deer Lake Dr., E., FL 3 Jacksonville, FL 32246-6484	3,771,227	19.77%
Y	Morgan Stanley Smith Barney Harborside Financial Center Plaza 2, 3rd Floor Jersey City, NJ 07311	2,620,877	13.74%

Class	Shareholder Name and Address	Holdings	Percentage Owned
Putnam Absolute Return 500 Fund (cont.)			
Y	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	1,724,898	9.04%
Y	National Financial Services, LLC 499 Washington Blvd Jersey City, NJ 07310-2010	1,825,859	9.57%
Y	Wells Fargo Advisors 2801 Market St. St. Louis, MO 63103-2523	1,668,820	8.75%
Y	Charles Schwab & Co., Inc. 101 Montgomery St. San Francisco, CA 94104-4151	1,339,393	7.02%

Class	Shareholder Name and Address	Holdings	Percentage Owned
Putnam Absolute Return 700 Fund			
A	UBS WM USA 1000 Harbor Blvd Weehawken, NJ 07086-6761	1,797,147	6.27%
A	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	4,066,013	14.19%
A	National Financial Services, LLC 499 Washington Blvd Jersey City, NJ 07310-2010	3,757,649	13.11%
A	Wells Fargo Advisors 2801 Market St. St. Louis, MO 63103-2523	1,978,700	6.91%
A	Charles Schwab & Co., Inc. 101 Montgomery St. San Francisco, CA 94104-4151	1,835,172	6.40%
B	National Financial Services, LLC 499 Washington Blvd Jersey City, NJ 07310-2010	468,478	19.69%
B	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	380,305	15.99%
B	Wells Fargo Advisors 2801 Market St. St. Louis, MO 63103-2523	228,733	9.61%
C	LPL Financial 9785 Towne Centre Dr. San Diego, CA 92121	686,629	5.47%
C	MLPF&S 4800 Deer Lake Dr. E., FL 3 Jacksonville, FL 32246-6484	1,653,581	13.17%
C	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	1,770,605	14.11%
C	Morgan Stanley Smith Barney Harborside Financial Center Plaza 2, 3rd Floor Jersey City, NJ 07311	1,150,849	9.17%
C	Wells Fargo Advisors 2801 Market St. St. Louis, MO 63103-2523	1,151,850	9.18%
C	National Financial Services, LLC 499 Washington Blvd Jersey City, NJ 07310-2010	1,043,648	8.31%
C	UBS WM USA 1000 Harbor Blvd Weehawken, NJ 07086-6761	712,153	5.67%
M	National Financial Services, LLC 499 Washington Blvd Jersey City, NJ 07310-2010	85,557	21.36%
M	Stephen M. Schwartz & Valerie B. Schwartz 5922 New England Woods Dr. Burke, VA 22015-2910	28,033	7.00%
M	Wells Fargo Advisors 2801 Market St. St. Louis, MO 63103-2523	22,599	5.64%

Class	Shareholder Name and Address	Holdings	Percentage Owned
R	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	15,713	9.06%
R	Morgan Stanley Smith Barney Harborside Financial Center Plaza 2, 3rd Floor Jersey City, NJ 07311	29,353	16.92%
R	Allied Motion Technologies, Inc. MG Trust Company 700 17th St. Ste. 300 Denver, CO 80202-3531	28,056	16.17%
R	Pai Trust Company, Inc. Tom Vogel Agency Inc. 401k Pension Plan 1300 Enterprise Dr. De Pere, WI 54115-4934	15,539	8.96%
R	Eric Compton / Compton Dental Center Retirement 401k Plan 901 Fran Lin Pkwy Munster, IN 46321-3540	10,661	6.12%
R	Pai Trust Company, Inc. Eliot Lupkin P A 401k Plan 1300 Enterprise Dr. De Pere, WI 54115-4934	10,586	6.10%
R5	Putnam LLC One Post Office Square Boston, MA 02109	867	100.00%
R6	Great-West Trust Company 8515 E. Orchard Rd Greenwood Village, CO 80111-5002	536,544	99.84%
Y	Wells Fargo Advisors 2801 Market St. St. Louis, MO 63103-2523	13,190,955	39.57%
Y	Merrill Lynch 4800 Deer Lake Dr., E., FL 3 Jacksonville, FL 32246-6484	5,324,097	15.97%
Y	Morgan Stanley Smith Barney Harborside Financial Center Plaza 2, 3rd Floor Jersey City, NJ 07311	3,778,165	11.33%
Y	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	1,963,799	5.89%

Class	Shareholder Name and Address	Holdings	Percentage Owned
Putnam American Government Income Fund			
A	MLPFS For The Sole Benefit Of Its Customers Attn: Fund Administration 4800 Deer Lake Dr., E., FL 3 Jacksonville, FL 32246-6484	3,336,547	5.75%
A	Wells Fargo Advisors Special Custody Acct For The Exclusive Benefit Of Customer 2801 Market St. Saint Louis, MO 63103-2523	3,574,077	6.16%
B	MLPFS For The Sole Benefit Of Its Customers Attn: Fund Administration 4800 Deer Lake Dr., E., FL 3 Jacksonville, FL 32246-6484	120,747	12.02%
B	Pershing, LLC 1 Pershing Plz Jersey City, NJ 07399-0001	94,823	9.44%
B	Wells Fargo Advisors Special Custody Acct For The Exclusive Benefit Of Customer 2801 Market St. Saint Louis, MO 63103-2523	85,130	8.48%
B	National Financial Services LLC For The Exclusive Benefit Of Our Customers 499 Washington Blvd Attn: Mutual Funds Dept 4th Fl Jersey City, NJ 07310-2010	74,875	7.46%

Class	Shareholder Name and Address	Holdings	Percentage Owned
Putnam American Government Income Fund (cont.)			
C	Pershing, LLC 1 Pershing Plz Jersey City, NJ 07399-0001	336,210	17.45%
C	MLPF&S For The Sole Benefit Of Its Customers Attn: Fund Administration 4800 Deer Lake Dr., E., FL 3 Jacksonville, FL 32246-6484	230,435	11.96%
C	National Financial Services LLLC For The Exclusive Benefit Of Our Customers 499 Washington Blvd Attn: Mutual Funds Dept 4th Fl. Jersey City, NJ 07310-2010	199,412	10.35%
C	Wells Fargo Advisors Special Custody Acct For The Exclusive Benefit Of Customer 2801 Market St. Saint Louis, MO 63103-2523	180,536	9.37%
C	LPL Financial 9785 Towne Centre Dr. San Diego, CA 92121-1968	101,599	5.27%
M	LPL Financial 9785 Towne Centre Dr. San Diego, CA 92121-1968	14,048	8.58%
M	Philip Arpiarian & Zack Apkarian & Garo Moumdjian Ttees Holy Cross Church Endowment Trust U/A Dtd 02/02/1997 428 Greenmount Ave. Cliffside Pk, NJ 07010-1634	25,126	15.35%
M	Charles Schwab & Co Inc Clearing Account For The Exclusive Benefit Of Their Customers 101 Montgomery St. San Francisco, CA 94104-4151	21,784	13.31%
R	State Street Bank Ttee Cust Fbo Adp Access 1 Lincoln St. Boston, MA 02111-2901	391,331	45.47%
R	MG Trust Co Cust FBO Wegman Hessler And Vanderburg 401k 700 17th St Ste 300 Denver, CO 80202-3531	64,006	7.44%
R5	Putnam LLC One Post Office Square Boston, MA 02109	1,113	100%
R6	Great-West Trust Company, LLC 8515 E. Orchard Road Greenwood Village, CO 80111-5002	277,146	99.43%
Y	Merrill Lynch For The Sole Benefit Of Its Customers Attn: Fund Administration 4800 Deer Lake Dr., E., FL 3 Jacksonville, FL 32246-6484	147,813	6.21%
Y	Pershing, LLC 1 Pershing Plz Jersey City, NJ 07399-0001	264,230	11.10%
Y	National Financial Services LLC For The Exclusive Benefit Of Our Customers 499 Washington Blvd Attn: Mutual Funds Dept 4th Fl. Jersey City, NJ 07310-2010	222,859	9.36%
Y	RBC Capital Markets, LLC 510 Marquette Ave S Minneapolis, MN 55402-1110	492,573	20.69%
Y	DCGT Trustee/Custodian for Principal Financial Group 711 High Street Des Moines, IA 50322	130,581	5.49%

Class	Shareholder Name and Address	Holdings	Percentage Owned
Y*	IBEW Local Union 126 Retirement Plan	286,861	12.05%
Putnam AMT-Free Municipal Fund			
A	Wells Fargo Advisors 2801 Market Street Saint Louis, MO 63103	4,325,213	18.48%
A	National Financial Services LLC 200 Liberty Street, 5th Floor One World Financial Center New York, NY 10281-5503	1,761,597	7.53%
A	Merrill, Lynch, Pierce Fenner & Smith 4800 Deer Lake Dr., E., FL 3 Jacksonville, FL 32246-6484	2,997,595	12.81%
A	Morgan Stanley Smith Barney Plaza 2, 3rd Floor Jersey City, NJ 07311	1,683,606	7.19%
A	Pershing LLC P.O. Box 2052 Jersey City, NJ 07303-2052	1,316,643	5.63%
A	Edward D. Jones & Co. 201 Progress Parkway Maryland, Heights, MO 63043-3009	1,441,609	6.16%
B	Wells Fargo Advisors 2801 Market Street Saint Louis, MO 63103	77,585	37.71%
B	Pershing LLC P.O. Box 2052 Jersey City, NJ 07303-2052	36,733	15.01%
B	National Financial Services LLC 200 Liberty Street, 5th Floor One World Financial Center New York, NY 10281-5503	23,940	9.79%
B	Merrill, Lynch, Pierce Fenner & Smith 4800 Deer Lake Dr., E., FL 3 Jacksonville, FL 32246-6484	12,755	5.21%
B	Raymond James Attn: Courtney Waller 880 Carillon Parkway St. Petersburg, FL 33716	14,250	5.82%
B	RBC Capital Markets, LLC 510 Marquette Ave S Minneapolis, MN 55402-1110	17,211	7.03%
C	National Financial Services LLC 200 Liberty Street, 5th Floor One World Financial Center New York, NY 10281-5503	547,051	25.03%
C	LPL Financial Attn: Lindsay O'Toole 9785 Towne Center Drive San Diego, CA 92121-1968	157,663	7.21%
C	Wells Fargo Advisors 2801 Market Street Saint Louis, MO 63103	329,965	15.10%
C	Merrill, Lynch, Pierce Fenner & Smith 4800 Deer Lake Dr., E., FL 3 Jacksonville, FL 32246-6484	213,863	9.79%
C	Pershing LLC P.O. Box 2052 Jersey City, NJ 07303-2052	174,645	7.99%
C	UBS WM USA Attn: Department Manager 1000 Harbor Blvd Weehawken, NJ 07086	128,244	5.87%
C	Morgan Stanley Smith Barney Plaza 2, 3rd Floor Jersey City, NJ 07311	165,115	7.55%
M	Pershing LLC P.O. Box 2052 Jersey City, NJ 07303-2052	12,709	17.11%

Class	Shareholder Name and Address	Holdings	Percentage Owned
Putnam AMT-Free Municipal Fund (cont.)			
M	National Financial Services LLC 200 Liberty Street, 5th Floor One World Financial Center New York, NY 10281-5503	32,248	43.42%
M	Joan M. Novak & Eugene S. Novak 2091 E Parkview Circle Hoffman Estates, IL 60169-2644	6,291	8.47%
M	Morgan Stanley Smith Barney Plaza 2, 3rd Floor Jersey City, NJ 07311	6,499	8.75%
Y	Wells Fargo Advisors 2801 Market Street Saint Louis, MO 63103	528,439	29.66%
Y	Merrill, Lynch, Pierce Fenner & Smith 4800 Deer Lake Dr., E., FL 3 Jacksonville, FL 32246-6484	417,549	23.44%
Y	Morgan Stanley Smith Barney Plaza 2, 3rd Floor Jersey City, NJ 07311	365,205	20.50%
Y	National Financial Services LLC 200 Liberty Street, 5th Floor One World Financial Center New York, NY 10281-5503	227,471	12.77%
Y	Raymond James 880 Carillon Pkwy St. Petersburg, FL 33716-1100	111,138	6.24%
Putnam Arizona Tax Exempt Income Fund			
A	Edward D Jones & Co For the Benefit of Customers 12555 Manchester Rd. Saint Louis, MO 63131-3729	505,120	9.58%
A	Morgan Stanley Smith Barney Harborside Financial Center Plaza 2, 3rd Floor Jersey City, NJ 07311	484,458	9.19%
A	Wells Fargo Advisors Special Custody Acct for the Exclusive Benefit of Customer 2801 Market St. Saint Louis, MO 63103-2523	481,613	9.13%
A	National Financial Services, LLC for the Exclusive Benefit of Our Customers 499 Washington Blvd. Attn: Mutual Funds Dept 4th Fl. Jersey City, NJ 07310-2010	444,168	8.42%
A	UBS Wealth Management USA 000 11011 6100 Omni Account M/F Attn: Department Manager 1000 Harbor Blvd Weehawken, NJ 07086-6761	311,694	5.91%
A	MLPF&S for the Sole Benefit of its Customers 4800 Deer Lake Dr., E., FL 3 Jacksonville, FL 32246-6484	284,454	5.39%
A	Pershing LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	288,584	5.47%
A	Charles Schwab & Co. Inc. 101 Montgomery Street San Francisco, CA 94104-4151	267,749	5.08%
B	National Financial Services, LLC for the Exclusive Benefit of Our Customers 499 Washington Blvd. Attn: Mutual Funds Dept 4th Fl. Jersey City, NJ 07310-2010	61,135	42.16%

Class	Shareholder Name and Address	Holdings	Percentage Owned
B	LPL Financial Omnibus Customer Account Attn: Lindsay O'Toole 9785 Towne Centre Dr. San Diego, CA 92121-1968	32,991	22.75%
B	Wells Fargo Advisors Special Custody Acct for the Exclusive Benefit of Customer 2801 Market St. Saint Louis, MO 63103-2523	15,174	10.46%
B	George Migliorisi & Ann Migliorisi Trustees Migliorisi Family Living Trust U/A Dtd 09/20/2010 13034 W Pinnacle Vista Dr. Peoria, AZ 85383-7606	11,123	7.67%
C	Wells Fargo Advisors Special Custody Acct for the Exclusive Benefit of Customer 2801 Market St. Saint Louis, MO 63103-2523	94,200	32.98%
C	MLPF&S for the Sole Benefit of its Customers Attn: Fund Administration 4800 Deer Lake Dr., E., FL 3 Jacksonville, FL 32246-6484	70,550	24.70%
C	National Financial Services, LLC for the Exclusive Benefit of Our Customers 499 Washington Blvd. Attn: Mutual Funds Dept 4th Fl. Jersey City, NJ 07310-2010	28,918	10.13%
C	UBS Wealth Management USA 000 11011 6100 Omni Account M/F Attn: Department Manager 1000 Harbor Blvd Weehawken, NJ 07086-6761	15,931	5.58%
M	Pershing LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	43,345	35.74%
M	LPL Financial Omnibus Customer Account Attn: Lindsay O'Toole 9785 Towne Centre Dr. San Diego, CA 92121-1968	35,104	28.95%
M	Edward D Jones & Co For the Benefit of Customers 12555 Manchester Rd. Saint Louis, MO 63131-3729	16,186	13.35%
M	Robert W Baird & Co., Inc 777 E Wisconsin Ave. Milwaukee, WI 53202-5300	11,258	9.28%
Y	MLPF&S for the Sole Benefit of its Customers 4800 Deer Lake Dr., E., FL 3 Jacksonville, FL 32246-6484	203,560	65.81%
Y	Morgan Stanley Smith Barney Harborside Financial Center Plaza 2, 3rd Floor Jersey City, NJ 07311	28,466	9.20%
Y	LPL Financial Omnibus Customer Account Attn: Lindsay O'Toole 9785 Towne Centre Dr. San Diego, CA 92121-1968	29,411	9.51%
Y	Wells Fargo Advisors Special Custody Acct for the Exclusive Benefit of Customer 2801 Market St. Saint Louis, MO 63103-2523	19,055	6.16%

Class	Shareholder Name and Address	Holdings	Percentage Owned
Putnam Arizona Tax Exempt Income Fund (cont.)			
Y	Charles Schwab & Co Inc. Special Custody A/C FBO Customers Attn: Mutual Funds 101 Montgomery St. San Francisco, CA 94104-4151	18,269	5.91%
Putnam Asia Pacific Equity Fund			
A	Putnam, LLC One Post Office Square Boston, MA 02109-2199	410,659	56.97%
A	National Financial Services, LLC For the exclusive benefit of our customers 499 Washington Blvd Attn: Mutual Funds Dept. 4th Fl. Jersey City, NJ 07310-2010	39,685	5.51%
B	Pershing LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	6,177	27.11%
B	Hartman Technology Solutions Inc. Simple IRA Plans A/C Troy L Hartman 7200 S Moor Cross Dr. Sioux Falls, SD 57108-3362	2,067	9.07%
B	Eleanor V Aguirre Roth IRA Plan 10310 Serrano Ave. San Jose, CA 95127-3245	1,471	6.46%
B	Cornwall Central School District 403(B) Plan A/C Irene L Pons 38 McCanns Ln. Cornwall, NY 12518-1518	1,216	5.34%
C	Pershing LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	10,045	25.46%
C	LPL Financial Omnibus Customer Account Attn: Lindsay O'Toole 9785 Towne Centre Dr. San Diego, CA 92121-1968	3,986	10.10%
C	Charles Schwab & Co., Inc. 101 Montgomery St. San Francisco, CA 94101-4151	4,218	10.69%
C	National Financial Services, LLC 499 Washington Blvd Jersey City, NJ 07310-2010	2,043	5.18%
M	Charles Schwab & Co., Inc. 101 Montgomery St. San Francisco, CA 94101-4151	474	10.68%
M	David W Clark TOD Natalia Al Clark Subject to STA TOD Rules 3647 Round Top Rd. Elizabethtown, PA 17022-9057	1,657	37.35%
M	James W Wemyss Roth IRA Conversion Plan 4208 Chapman Dr. Kent, OH 44240-6878	892	20.10%
M	Gail Willis Roth IRA Plan 5423 Great Woods Dr. Indianapolis, IN 46224-6181	269	6.07%
M	Keith A Conaway Roth IRA Conversion Plan 14008 Brangus Rd. Shawnee, OK 74804-9633	269	6.06%
M	Bonnie K Thomas IRA Plan N6578 Nehring Rd. Pardeeville, WI 53954-9502	251	5.66%
R	MG Trust Co. Customer for the benefit of Synergy Concepts Inc. 700 17th St. Suite 300 Denver, CO 80202-3531	1,543	14.28%

Class	Shareholder Name and Address	Holdings	Percentage Owned
R	MG Trust Co. Customer Passantino Andersen Communications, 700 17th St. Suite 300 Denver, CO 80202-3531	1,498	13.87%
R	MG Trust Co. Customer for the benefit of Swerve Inc. 700 17th St. Suite 300 Denver, CO 80202-3531	1,014	9.38%
R	MG Trust Co. Customer for the benefit of Sama Medical Billing, LLC 700 17th St. Suite 300 Denver, CO 80202-3531	837	7.74%
R	Bridgeport CT Board of Education 403(B) Plan A/C John M Fabrizi 120 Doreen Dr. Bridgeport, CT 06604-1001	870	8.05%
R	MG Trust Co. Customer for the benefit of Brown Sterman Reznik & Gershkowitz 700 17th St. Suite 300 Denver, CO 80202-3531	796	7.37%
R	MG Trust Co. Customer for the benefit of Boys and Girls Club of Conejo & Las 700 17th St. Suite 300 Denver, CO 80202-3531	586	5.42%
R	MG Trust Co. Customer for the benefit of Klone Lab 700 17th St. Suite 300 Denver, CO 80202-3531	825	7.64%
Y**	Great-West Trust Company, LLC — The Putnam Retirement Plan	50,962	70.51%
Y**	Great-West Trust Company, LLC — The Putnam Deferred Compensation Plans	9,587	13.26%
Putnam California Tax Exempt Income Fund			
A	Merrill, Lynch, Pierce, Fenner & Smith 4800 Dear Lake Dr. East Jacksonville, FL 32246-6484	21,021,065	12.26%
A	Morgan Stanley Smith Barney Harborside Financial Center Plaza 2, 3rd Floor Jersey City, NJ 07311	21,141,736	12.33%
A	Wells Fargo Advisors 2801 Market St. Saint Louis, MO 63103-2523	19,015,622	11.09%
A	Pershing LLC P.O. Box 2052 Jersey City, NJ 07303-2052	9,711,301	5.67%
A	UBS Wealth Management USA 1000 Harbor Blvd Weehawken, NJ 07086-6761	9,295,344	5.42%
A	Charles Schwab & Co., Inc. 101 Montgomery St. San Francisco, CA 94104-4151	9,267,049	5.41%
A	National Financial Services LLC 200 Liberty Street, 5th Fl. One World Financial Center New York, NY 10281-5503	9,179,958	5.36%
B	Pershing LLC P.O. Box 2052 Jersey City, NJ 07303-2052	295,475	31.88%
B	Wells Fargo Advisors 2801 Market St. Saint Louis, MO 63103-2523	170,059	18.35%
B	Merrill, Lynch, Pierce, Fenner & Smith 4800 Dear Lake Dr. East Jacksonville, FL 32246-6484	93,748	10.11%
B	Charles Schwab & Co., Inc. 101 Montgomery St. San Francisco, CA 94104-4151	164,611	17.76%

Class	Shareholder Name and Address	Holdings	Percentage Owned
Putnam California Tax Exempt Income Fund (cont.)			
C	Wells Fargo Advisors 2801 Market St. Saint Louis, MO 63103-2523	1,523,956	25.37%
C	Merrill, Lynch, Pierce, Fenner & Smith 4800 Dear Lake Dr. East Jacksonville, FL 32246-6484	1,202,639	20.02%
C	Morgan Stanley Smith Barney Harborside Financial Center Plaza 2, 3rd Floor Jersey City, NJ 07311	573,788	9.55%
C	Pershing LLC P.O. Box 2052 Jersey City, NJ 07303-2052	486,056	8.09%
C	National Financial Services LLC 200 Liberty Street, 5th Fl. One World Financial Center New York, NY 10281-5503	416,263	6.93%
C	Charles Schwab & Co., Inc. 101 Montgomery St. San Francisco, CA 94104-4151	572,273	9.53%
M	Wells Fargo Advisors 2801 Market St. Saint Louis, MO 63103-2523	17,853	5.34%
M	Raymond James 880 Carillon Pkwy St. Petersburg, FL 33716-1100	17,116	5.12%
M	Morgan Stanley Smith Barney Harborside Financial Center Plaza 2, 3rd Floor Jersey City, NJ 07311	90,904	27.21%
M	Pershing LLC P.O. Box 2052 Jersey City, NJ 07303-2052	43,118	12.91%
M	Charles Schwab & Co., Inc. 101 Montgomery St. San Francisco, CA 94104-4151	24,100	7.21%
M	Edward D. Jones & Co. 201 Progress Parkway Maryland Heights, MO 63043-3003	17,116	5.12%
M	Vanguard Brokerage Services P.O. Box 1170 Valley Forge, PA 19482-1170	21,727	6.50%
M	Stifel Nicolaus & Co., Inc. 501 N Broadway Saint Louis, MO 63102-2131	21,400	6.41%
Y	Merrill, Lynch, Pierce, Fenner & Smith 4800 Dear Lake Dr. East Jacksonville, FL 32246-6484	2,681,654	38.54%
Y	Wells Fargo Advisors 2801 Market St. Saint Louis, MO 63103-2523	922,183	13.25%
Y	Morgan Stanley Smith Barney Harborside Financial Center Plaza 2, 3rd Floor Jersey City, NJ 07311	757,346	10.88%
Y	RBC Capital Markets, LLC 510 Marquette Ave. S Minneapolis, MN 55402-1110	591,233	8.50%
Y	LPL Financial Services P.O. Box 509046 San Diego, CA 92150-9046	415,201	5.97%
Y	Charles Schwab & Co., Inc. 101 Montgomery St. San Francisco, CA 94104-4151	549,240	7.89%
Y	Raymond James 880 Carillon Pkwy. St. Petersburg, FL 33716-1100	624,420	8.97%

Class	Shareholder Name and Address	Holdings	Percentage Owned
Putnam Capital Opportunities Fund			
A	Pershing LLC 1 Pershing Plaza Jersey City, NJ 07399 -0001	1,142,759	6.24%
A	MLPF&S for the Sole Benefit of its Customers 4800 Deer Lake Dr., E., FL 3 Jacksonville, FL 32246-6484	1,042,045	5.69%
B	Pershing LLC 1 Pershing Plaza Jersey City, NJ 07399 -0001	63,108	6.67%
C	Raymond James Attn: Courtney Waller 880 Carillon Parkway St. Petersburg, FL 33716	392,904	20.92%
C	Wells Fargo Advisors Special Custody Acct for the Exclusive Benefit of Customer 2801 Market St. St. Louis, MO 63103-2523	289,354	15.40%
C	Pershing LLC 1 Pershing Plaza Jersey City, NJ 07399 -0001	204,126	10.87%
C	MLPF&S for the Sole Benefit of its Customers 4800 Deer Lake Dr., E., FL 3 Jacksonville, FL 32246-6484	138,901	7.39%
C	Morgan Stanley Smith Barney Harborside Financial Center Plaza 2, 3rd Floor Jersey City, NJ 07311	130,958	6.97%
R	MLPF&S for the Sole Benefit of its Customers 4800 Deer Lake Dr., E., FL 3 Jacksonville, FL 32246-6484	329,901	25.67%
R	State Street Bank FBP ADP Access 1 Lincoln St. Boston, MA 02111-2901	174,682	13.59%
R5	Putnam LLC One Post Office Square Boston, MA 02109-2199	829	100.00%
R6**	Great-West Trust Company LLC TTEE – The Putnam Retirement Plan	605,237	99.86%
Y	National Financial Services, LLC For the Exclusive Benefit of Our Customers Attn: Mutual Funds Dept. 4th Fl. 499 Washington Blvd Jersey City, NJ 07310-2010	857,017	24.27%
Y	MLPF&S for the Sole Benefit of its Customers 4800 Deer Lake Dr., E., FL 3 Jacksonville, FL 32246-6484	339,482	9.62%
Y	Wells Fargo Retirement Plan Services P.O. Box 1533 Minneapolis, MN	305,401	8.65%
Y	UBS WM USA 1000 Harbor Blvd Weehawken, NJ 07086-6761	217,442	6.16%
Y**	Great-West Trust Collc LLC FBO Putnam – Recordkeeping for Various Benefit Plans	876,100	24.81%
Putnam Capital Spectrum Fund			
A	UBS WM USA 1000 Harbor Blvd Weehawken, NJ 07086-6761	12,521,847	25.00%
A	National Financial Services, LLC 499 Washington Blvd Jersey City, NJ 07310-2010	7,867,625	15.71%
A	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	4,731,976	9.45%

Class	Shareholder Name and Address	Holdings	Percentage Owned
Putnam Capital Spectrum Fund (cont.)			
A	MLPF&S 4800 Deer Lake Dr, E. FL 3 Jacksonville, FL 32246-6484	3,354,944	6.70%
B	Wells Fargo Advisors 2801 Market St. St. Louis, MO 63103-2523	245,037	14.95%
B	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	242,227	14.78%
B	MLPF&S 4800 Deer Lake Dr., E. FL 3 Jacksonville, FL 32246-6484	197,409	12.05%
B	LPL Financial 9785 Towne Centre Dr. San Diego, CA 92121-1968	98,403	5.01%
B	UBS WM USA 1000 Harbor Blvd Weehawken, NJ 07086-6761	83,995	5.13%
C	MLPF&S 4800 Deer Lake Dr., E. FL 3 Jacksonville, FL 32246-6484	4,517,597	19.76%
C	Morgan Stanley Smith Barney Harborside Financial Center Plaza 2, 3rd Floor Jersey City, NJ 07311	3,429,809	15.00%
C	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	2,389,241	10.45%
C	LPL Financial 9785 Towne Centre Dr. San Diego, CA 92121-1968	2,212,226	9.67%
C	UBS WM USA 1000 Harbor Blvd Weehawken, NJ 07086-6761	2,003,901	8.76%
C	Wells Fargo Advisors 2801 Market St. St. Louis, MO 63103-2523	1,962,347	8.58%
C	Raymond James 880 Carillon Pkwy St. Petersburg, FL 33716-1100	2,002,868	8.76%
M	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	45,146	21.91%
M	Morgan Stanley Smith Barney Harborside Financial Center Plaza 2, 3rd Floor Jersey City, NJ 07311	28,353	13.76
M	LPL Financial 9785 Towne Centre Dr. San Diego, CA 92121-1968	32,049	15.55%
M	Wells Fargo Advisors 2801 Market St. St. Louis, MO 63103-2523	10,583	5.14%
R	Morgan Stanley Smith Barney Harborside Financial Center Plaza 2, 3rd Floor Jersey City, NJ 07311	31,586	16.08%
R	MLPF&S 4800 Deer Lake Dr., E. FL.3 Jacksonville, FL 32246-6484	17,464	8.89%
R	Frontier Trust Company FBO — Triumph Transport Inc. Retirement PO Box 10758 Fargo, ND 58106-0758	14,674	7.47%
R	Frontier Trust Company FBO — Dunstan Dental Center PO Box 10758 Fargo, ND 58106-0758	16,811	8.56%

Class	Shareholder Name and Address	Holdings	Percentage Owned
R	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	15,012	7.64%
Y	LPL Financial 9785 Towne Centre Dr. San Diego, CA 92121-1968	14,104,103	23.62%
Y	MLPF&S 4800 Deer Lake Dr., E. FL.3 Jacksonville, FL 32246-6484	10,931,687	18.31%
Y	Morgan Stanley Smith Barney Harborside Financial Center Plaza 2, 3rd Floor Jersey City, NJ 07311	8,908,330	14.92%
Y	Wells Fargo Advisors 2801 Market St. St. Louis, MO 63103-2523	6,162,341	10.32%
Y	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	4,987,754	8.35%
Y	National Financial Services, LLC 499 Washington Blvd Jersey City, NJ 07310-2010	3,450,547	5.78%
Putnam Convertible Securities Fund			
A	Morgan Stanley Smith Barney Harborside Financial Center Plaza 2, 3rd Floor Jersey City, NJ 07311	1,399,156	5.87%
A	Pershing LLC P.O. Box 2052 Jersey City, NJ 07303-2052	1,843,508	7.74%
A	National Financial Services, LLC For The Exclusive Benefit of Our Customers 200 Liberty St., 5th Fl One World Financial Center New York, NY 10281-5503	1,476,834	6.20%
A	Edward D. Jones & Co. 201 Progress Parkway Maryland Heights, MO 63043-3003	1,379,557	5.79%
A	Wells Fargo Advisors 2801 Market Street St. Louis, MO 63103-2523	1,286,673	5.40%
A	UBS Wealth Management 000 11011 6100 Omni Account M/F Attn: Department Manager 1000 Harbor Blvd Weehawken, NJ 07086-6761	1,391,832	5.84%
B	Merrill, Lynch, Pierce, Fenner & Smith 4800 Dear Lake Dr. East FL 3 Jacksonville, FL 32246-6484	156,490	30.19%
B	Wells Fargo Advisors 2801 Market Street St. Louis, MO 63103-2523	90,592	17.48%
B	Pershing LLC P.O. Box 2052 Jersey City, NJ 07303-2052	34,564	6.67%
B	Morgan Stanley Smith Barney Harborside Financial Center Plaza 2, 3rd Floor Jersey City, NJ 07311	32,388	6.25%
C	Merrill, Lynch, Pierce, Fenner & Smith 4800 Dear Lake Dr. East FL 3 Jacksonville, FL 32246-6484	661,011	31.22%
C	Pershing LLC P.O. Box 2052 Jersey City, NJ 07303-2052	244,744	11.56%
C	Morgan Stanley Smith Barney Harborside Financial Center Plaza 2, 3rd Floor Jersey City, NJ 07311	239,887	11.33%

Class	Shareholder Name and Address	Holdings	Percentage Owned
Putnam Convertible Securities Fund (cont.)			
C	Wells Fargo Advisors 2801 Market Street St. Louis, MO 63103-2523	178,490	8.43%
C	UBS Wealth Management Omni Account M/F Attn: Department Manager 1000 Harbor Blvd Weehawken, NJ 07086-6761	143,831	6.79%
C	Raymond James Omnibus for Mutual Funds 880 Carillon Pkwy. St. Petersburg, FL 33716-1100	106,744	5.04%
M	National Financial Services, LLC For The Exclusive Benefit of Our Customers 200 Liberty St., 5th Fl One World Financial Center New York, NY 10281-5503	21,085	12.71%
M	Pershing LLC P.O. Box 2052 Jersey City, NJ 07303-2052	19,362	11.67%
M	DCGT for Principal Financial Group 711 High St. Des Moines, IA 50329-0001	11,291	6.81%
M	Edward D. Jones & Co. 201 Progress Parkway Maryland Heights, MO 63043-3003	9,342	5.63%
M	Nationwide Trust Company c/o IPO Portfolio Accounting PO Box 182029 Columbus, OH 43218-2029	13,252	7.99%
R	State Street Bank TTEE Cust For the Benefit of ADP Access 1 Lincoln St. Boston, MA 02111-2901	54,136	22.55%
R	MG Trust Company Cust. Strata G Profit Sharing Plan 700 17th St. Ste 300 Denver, CO 80202-3531	31,417	13.09%
R	Reliance Trust Company Assoc in Obstetrics & Gynecology Profit Sharing Plan PO Box 48529 Atlanta, GA 30362-1529	25,033	10.43%
R	Capital Bank and Trust Company Select Rehabilitation Inc. 401k 8515 E. Orchard Rd #2T2 Greenwood Village, CO 80111-5002	23,977	9.99%
R	MG Trust Company Cust. Dalton Ear Nose and Throat Association 700 17th St. Ste 300 Denver, CO 80202-3531	21,490	8.95%
Y	Merrill, Lynch, Pierce, Fenner & Smith 4800 Dear Lake Dr. East FL 3 Jacksonville, FL 32246-6484	2,223,769	27.93%
Y	Wells Fargo Advisors 2801 Market Street St. Louis, MO 63103-2523	1,034,067	12.99%
Y	Charles Schwab & Co Inc. Special Custody A/C For the Benefit of Customers Attn: Mutual Funds 101 Montgomery St. San Francisco, CA 94104-4151	471,325	5.92%
Y	Wells Fargo Bank NA St. Alexius Medical Center Ret Plan 8515 E. Orchard Rd. # 2T2 Greenwood Village, CO 80111-5002	402,932	5.06%
Y	National Financial Services, LLC 499 Washington Blvd Jersey City, NJ 07310-2010	694,294	8.72%

Class	Shareholder Name and Address	Holdings	Percentage Owned
Putnam Diversified Income Trust			
A	UBS Wealth Management USA 1000 Harbor Blvd Weehawken, NJ 07086-6761	69,203,865	23.50%
A	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	26,792,313	9.10%
A	Wells Fargo Advisors 2801 Market St. St. Louis, MO 63103-2523	17,647,268	5.99%
A	National Financial Services, LLC 499 Washing Blvd Jersey City, NJ 07310-2010	22,328,981	7.58%
A	MLPF&S 4800 Deer Lake Dr., E., FL 3 Jacksonville, FL 32246-6484	20,536,029	6.97%
A	Raymond James Omnibus for Mutual Funds Attn: Courtney Waller 880 Carillon Way St. Petersburg, FL 33716-1100	18,975,966	6.44%
B	MLPF&S 4800 Deer Lake Drive, E. FL 3 Jacksonville, FL 32246-6484	1,603,487	15.46%
B	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	1,801,042	17.36%
B	National Financial Services, LLC 499 Washington Blvd, 4th Floor Attn: Mutual Funds Dept Jersey City, NJ 07310-2010	1,250,528	12.05%
B	Wells Fargo Advisors 2801 Market St. St. Louis, MO 63103-2523	1,132,154	10.91%
C	MLPF&S 4800 Deer Lake Drive, E., FL 3 Jacksonville, FL 32246-6484	21,730,183	22.18%
C	UBS WM USA 1000 Harbor Blvd Weehawken, NJ 07086-6761	10,493,662	10.71%
C	Wells Fargo Advisors 2801 Market St. St. Louis, MO 63103-2523	9,981,736	10.19%
C	Raymond James 880 Carillon Pkwy St. Petersburg, FL 33716-1100	13,557,443	13.84%
C	Morgan Stanley Smith Barney Harborside Financial Center Plaza 2, 3rd Floor Jersey City, NJ 07311	7,520,440	7.68%
C	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	6,516,298	6.65%
C	LPL Financial 8785 Towne Centre Dr. San Diego, CA 92121-1968	5,471,890	5.59%
M	SMBC Friend Securities Co., Ltd fbo Sumitomo Mitsui Banking Corp. Product Admin & Operations Dept. Investment Trust & Insurance Group 7-12, Nihonbashi-Kabutocho Chuo-Ku, Tokyo 103-8221 Japan	27,962,078	91.30%
R	MLPF&S 4800 Deer Lake Dr., E., Fl.3 Jacksonville, FL 32246-6484	45,140	7.50%
R	MG Trust Company FBO — Webb Wilson 700 17th St., Ste. 300 Denver, CO 80202-3531	33,028	5.49%

Class	Shareholder Name and Address	Holdings	Percentage Owned
Putnam Diversified Income Trust (cont.)			
R	DCGT as Trustee for Principal Financial Group 711 High St. Des Moines, IA 50392-2732	46,440	7.72%
R	MG Trust Company Hebberd-Kulow Enterprises 717 17th St. Ste 1300 Denver, CO 80202-3304	39,389	6.55%
Y	Merrill Lynch 4800 Deer Lake Dr., E., FL 3 Jacksonville, FL 32246-6484	68,093,670	42.33%
Y	Morgan Stanley Smith Barney Harborside Financial Center Plaza 2, 3rd Floor Jersey City, NJ 07311	20,012,286	12.44%
Y	Wells Fargo Advisors 2801 Market St. St. Louis, MO 63103-2523	13,239,597	8.23%
Y	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	8,294,417	5.16%
Y	Raymond James 880 Carillon Pkwy St. Petersburg, FL 33716-1100	8,347,737	5.19%

Putnam Dynamic Asset Allocation Balanced Fund

A	National Financial Services, LLC For the Exclusive Benefit of our Customers 200 Liberty Street, 5th fl One World Financial Center New York, NY 10281-5503	5,075,702	6.90%
A	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	4,868,830	6.62%
A	Edward D Jones & Co Attn: Mutual Fund Shareholder Accounting 201 Progress Pkwy Maryland Hts., MO 63043-3009	3,826,114	5.20%
B	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	619,767	10.03%
B	National Financial Services, LLC For the Exclusive Benefit of our Customers 200 Liberty Street, 5th fl One World Financial Center New York, NY 10281-5503	543,467	8.79%
B	Wells Fargo Advisors Special Custody Account for the Exclusive Benefit of Customer 2801 Market St. Saint Louis, MO 63103-2523	506,507	8.20%
B	Charles Schwab & Co Inc. Clearing Account For the Exclusive Benefit of Their Customers 101 Montgomery St. San Francisco, CA 94104-4151	456,022	7.38%
C	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	755,157	8.51%
C	Wells Fargo Advisors Special Custody Account for the Exclusive Benefit of Customer 2801 Market St. Saint Louis, MO 63103-2523	609,156	6.86%

Class	Shareholder Name and Address	Holdings	Percentage Owned
C	MLPF&S For The Sole Benefit of Its Customers Attn Fund Administration 4800 Deer Lake Dr. E FL 3 Jacksonville, FL 32246-6484	543,232	6.12%
C	National Financial Services, LLC For the Exclusive Benefit of our Customers 200 Liberty Street, 5th fl One World Financial Center New York, NY 10281-5503	525,423	5.92%
M	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	109,777	5.42%
M	DCGT as Trustee for Principal Financial Group 711 High St. Des Moines, IA 50392-0001	212,589	10.50%
M*	DTM Companies 401(k) Plan	265,533	13.11%
R	MG Trust Company Cust. FBO Cannon Group Inc. 700 17th St. Ste 300 Denver, CO 80202-3531	64,406	6.75%
R5	Putnam LLC One Post Office Square Boston, MA 02109	902	100.00%
R6	Putnam LLC One Post Office Square Boston, MA 02109	826,558	99.89%
Y	Charles Schwab & Co., Inc. 101 Montgomery St. San Francisco, CA 94104-4151	445,858	5.11%
Y*	Connecticut Pipe Trades Local No. 77 Annuity Plan	1,312,812	15.04%
Y***	Putnam Retirement Ready 2025 Fund — A shares	901,882	10.33%
Y***	Putnam Retirement Ready 2020 Fund — A shares	760,611	8.71%
Y**	Great-West Trust Company, LLC — Recordkeeping for various benefit plans	1,334,634	15.29%

Putnam Dynamic Asset Allocation Conservative Fund

A	National Financial Services, LLC 499 Washington Blvd Jersey City, NY 07310-2010	1,994,746	5.37%
A	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	1,944,330	5.23%
A*	Iron Workers Local #17 Annuity Plan	2,386,311	6.42%
B	Wells Fargo Advisors Special Custody Account for the Exclusive Benefit of Customer 2801 Market St. Saint Louis, MO 63103-2523	436,685	17.64%
B	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	180,230	7.28%
B	National Financial Services, LLC For the Exclusive Benefit of our Customers 200 Liberty Street, 5th Fl. One World Financial Center New York, NY 10281-5503	221,128	8.93%
B	Charles Schwab & Co Inc. Clearing Account For the Exclusive Benefit of Their Customers 101 Montgomery St. San Francisco, CA 94104-4151	206,363	8.33%

Class	Shareholder Name and Address	Holdings	Percentage Owned
Putnam Dynamic Asset Allocation Conservative Fund (cont.)			
C	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	480,936	9.64%
C	Wells Fargo Advisors Special Custody Account for the Exclusive Benefit of Customer 2801 Market St. Saint Louis, MO 63103-2523	422,770	8.48%
C	MLPF&S For The Sole Benefit of Its Customers Attn Fund Administration 4800 Deer Lake Dr. E FL 3 Jacksonville, FL 32246-6484	311,579	6.25%
C	National Financial Services, LLC For the Exclusive Benefit of our Customers 200 Liberty Street, 5th Fl. One World Financial Center New York, NY 10281-5503	250,776	5.03%
M	Mid Atlantic Trust Company Commonwealth Credit Union 401K Retirement Savings Plan 1251 Waterfront Pl. Ste. 525 Pittsburgh, PA 15222-4228	62,364	10.45%
M	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	52,260	5.75%
M	National Financial Services, LLC For the Exclusive Benefit of our Customers 200 Liberty Street, 5th Fl. One World Financial Center New York, NY 10281-5503	46,491	5.11%
M*	DTM Companies 401(k) Plan	94,980	10.45%
R	MG Trust Company Cust. FBO EOL Management Co. LLC 700 17th St. Ste. 300 Denver, CO 80202-3531	25,272	6.01%
R	MG Trust Company Cust. FBO Southern Cross Aviation LLC 700 17th St. Ste. 300 Denver, CO 80202-3531	21,253	5.05%
R	MG Trust Company Cust. FBO — MAPP Biopharmaceutical, Inc. 700 17th St. Ste. 300 Denver, CO 80202-3531	22,285	5.30%
R5	Putnam LLC One Post Office Square Boston, MA 02109	1,070	100.00
R6	Putnam LLC One Post Office Square Boston, MA 02109	285,996	99.63%
Y*	Connecticut Pipe Trades Local No. 77 Annuity Plan	695,163	11.16%
Y**	Great-West Trust Company, LLC — Recordkeeping for various benefit plans	2,549,691	40.93%
Y***	Putnam Retirement Ready 2015 Fund — A shares	459,349	7.37%
Y***	Putnam Retirement Income Fund Lifestyle 1 — A shares	497,263	7.98%
Putnam Dynamic Asset Allocation Equity Fund			
A	Putnam LLC One Post Office Square Boston, MA 02109	1,791	64.71%
A	Christine M. Barrett 10 Knower Road Westminster, MA 01473-1453	619	22.35%
A	Robert Reynolds 153 Garfield Road Concord, MA 01742-4905	179	6.47%

Class	Shareholder Name and Address	Holdings	Percentage Owned
A	Ravi Akhoury 6 Pine Valley Way Florham Park, NJ 07932-2700	179	6.47%
Y***	Putnam Retirement Ready 2050 Fund — A shares	456,701	20.67%
Y***	Putnam Retirement Ready 2050 Fund — Y shares	200,339	9.07%
Y***	Putnam Retirement Ready 2045 Fund — A shares	323,627	14.65%
Y***	Putnam Retirement Ready 2045 Fund — Y shares	159,304	7.21%
Y***	Putnam Retirement Ready 2040 Fund — A shares	303,733	13.75%
Y***	Putnam Retirement Ready 2040 Fund — R shares	132,733	6.01%
Y***	Putnam Retirement Ready 2035 Fund — A shares	222,048	10.05%
Putnam Dynamic Asset Allocation Growth Fund			
A	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	4,943,272	6.34%
A	National Financial Services, LLC For the Exclusive Benefit of our Customers 200 Liberty Street, 5th Fl. One World Financial Center New York, NY 10281-5503	4,963,242	6.12%
A	Edward D Jones & Co Attn: Mutual Fund Shareholder Accounting 201 Progress Pkwy Maryland Hts., MO 63043-3009	4,313,093	5.53%
B	National Financial Services, LLC For the Exclusive Benefit of our Customers 200 Liberty Street, 5th Fl. One World Financial Center New York, NY 10281-5503	582,953	7.52%
B	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	565,559	7.29%
B	Wells Fargo Advisors Special Custody Account for the Exclusive Benefit of Customer 2801 Market St. Saint Louis, MO 63103-2523	434,764	5.61%
C	Morgan Stanley Smith Barney Harborside Financial Center Plaza 2, 3rd Floor Jersey City, NJ 07311	973,860	10.10%
C	Wells Fargo Advisors Special Custody Account for the Exclusive Benefit of Customer 2801 Market St. Saint Louis, MO 63103-2523	774,292	8.03%
C	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	762,659	7.91%
C	MLPF&S For The Sole Benefit of Its Customers Attn Fund Administration 4800 Deer Lake Dr. E FL 3 Jacksonville, FL 32246-6484	563,666	5.85%
C	National Financial Services, LLC For the Exclusive Benefit of our Customers 200 Liberty Street, 5th Fl. One World Financial Center New York, NY 10281-5503	545,374	5.66%
M*	DTM Companies 401(k) Plan	134,815	7.58%
R5	Putnam LLC One Post Office Square Boston, MA 02109	3,238	100.00%

Class	Shareholder Name and Address	Holdings	Percentage Owned
Putnam Dynamic Asset Allocation Growth Fund (cont.)			
R6	Putnam LLC One Post Office Square Boston, MA 02109	792	100.00%
Y*	Connecticut Pipe Trades Local No. 77 Annuity Plan	808,954	9.77%
Y**	Great-West Trust Company, LLC — Recordkeeping for various benefit plans	1,420,842	17.16%
Y***	Putnam Retirement Ready 2035 Fund — A shares	639,313	7.72%
Y***	Putnam Retirement Ready 2035 Fund— Y shares	459,093	5.54%
Y***	Putnam Retirement Ready 2030 Fund — A shares	680,011	8.21%
Putnam Dynamic Risk Allocation Fund			
A	Saxon & Co. PO Box 7780-1888 Philadelphia, PA 19182-0001	228,495	5.13%
A	UBS WM USA Attn: Department Manager 1000 Harbor Blvd Weehawken, NJ 07086-6761	986,966	22.16%
A	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	313,735	7.04%
B	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	67,623	22.88%
B	MLPF&S for the Sole Benefit of its Customers Attn: Fund Administration 4800 Deer Lake Dr. E. FL 3 Jacksonville, FL 32246-6484	61,598	20.84%
B	Raymond James Attn: Courtney Waller 880 Carillon Pkwy St. Petersburg, FL 33716	28,223	9.55%
C	UBS WM USA Attn: Department Manager 1000 Harbor Blvd Weehawken, NJ 07086-6761	322,987	17.23%
C	MLPF&S for the Sole Benefit of its Costumers Attn: Fund Administration 4800 Deer Lake Dr. E. FL 3 Jacksonville, FL 32246-6484	248,243	13.24%
C	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	227,184	12.12%
C	Raymond James Attn: Courtney Waller 880 Carillon Pkwy St. Petersburg, FL 33716	239,207	12.76%
C	National Financial Services LLC Attn: Mutual Funds Dept 4th Fl. 499 Washington Blvd. Jersey City, NJ 07310-2010	120,653	6.43%
C	Morgan Stanley Smith Barney Harborside Financial Center Plaza 2, 3rd Fl. Jersey City, NJ 07311	130,823	6.98%
M	LPL Financial Attn: Lindsay O'Toole 9785 Towne Centre Dr. San Diego, CA 92121-1968	6,608	20.13%
M	Putnam Fiduciary Trust Co Giving Tree Inc. A/C Kathryn Cochran 240 Portage St. Oak Harbor, OH 43449-1443	5,626	17.14%

Class	Shareholder Name and Address	Holdings	Percentage Owned
M	Putnam Fiduciary Trust Co James C. Wilson 233 W. South Park Ave. Oshkosh, WI 54902-6537	3,672	11.19%
M	Putnam Fiduciary Trust Co Barbara M. McCullen 9 41st St. Unit 123 Ocean City, MD 21842-6815	2,683	8.17%
M	Putnam Fiduciary Trust Co Stephen R. Romenesko N3564 Farrell Road Kaukauna, WI 54130-7859	2,513	7.66%
R	Morgan Stanley Smith Barney Harborside Financial Center Plaza 2, 3rd Fl. Jersey City, NJ 07311	31,557	75.82%
R	Putnam Investment Holdings, LLC 1 Post Office Square Boston, MA 02109-2199	10,000	24.03%
R5	Putnam Investment Holdings, LLC 1 Post Office Square Boston, MA 02109-2199	986	100%
R6**	Great-West Trust Company, LLC The Putnam Retirement Plan	198,309	99.51%
Y	Wells Fargo Bank FBO 1525 West WT Harris Blvd. Charlotte, NC 28288-1076	2,285,447	17.36%
Y	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	694,817	5.28%
Y	NFS LLC FBO FMTC as Trustee for Delphi Alternative 1 Spartan Way, #T520 Merrimack, NH 03054-4300	5,358,911	40.71%
Y	National Financial Services LLC Attn: Mutual Funds Dept 4th Fl. 499 Washington Blvd. Jersey City, NJ 07310-2010	2,289,260	17.39%
Putnam Emerging Markets Equity Fund			
A	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07303-2052	603,707	22.99%
A	National Financial Services LLC For the Exclusive Benefit of Our Customers 489 Washington Blvd Jersey City, NJ 07303-2052	182,529	6.95%
B	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07303-2052	37,838	16.02%
B	Wells Fargo Advisors Special Custody Acct for the Exclusive Benefit of Customer 2801 Market St. Saint Louis, MO 63103-2523	14,562	6.16%
B	National Financial Services LLC For the Exclusive Benefit of Our Customers 489 Washington Blvd Jersey City, NJ 07303-2052	15,344	6.50%
C	UBS WM USA Omni Account M/F Attn: Department Manager 1000 Harbor Blvd Weehawken, NJ 07086-6761	23,874	9.51%
C	MLPF&S for the Sole Benefit of its Costumers Attn: Fund Administration 4800 Deer Lake Dr. E. FL 3 Jacksonville, FL 32246-6484	23,233	9.26%

Class	Shareholder Name and Address	Holdings	Percentage Owned
Putnam Emerging Markets Equity Fund (cont.)			
C	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07303-2052	26,591	10.59%
C	Wells Fargo Advisors Special Custody Acct for the Exclusive Benefit of Customer 2801 Market St. Saint Louis, MO 63103-2523	16,925	6.49%
C	LPL Financial 9785 Towne Centre Dr. San Diego, CA 92121-1968	15,102	6.02%
M	RBC Capital Markets, LLC 510 Marquette Ave S Minneapolis, MN 55402-1110	4,333	8.90%
M	Ameritrade, Inc. PO Box 2226 Omaha, NE 68103-2226	2,495	5.13%
M	National Financial Services LLC For the Exclusive Benefit of Our Customers 489 Washington Blvd Jersey City, NJ 07303-2052	5,580	11.46%
M	Mark Rutherford SEP IRA Plan 1001 N. Stockton Hill Road Ste. A Kingman, AZ 86401-6277	3,745	7.69%
M	Herman L. Zeller IRA Plan 1941 Pamela St. Oxnard, CA 93036-2799	3,570	7.33%
M	Sarah A. Dobroth PO BOX 368 Grover Beach, CA 93483-0368	2,723	5.59%
R	MG Trust Co. Cust. FBO Patenaude Wealth Management Inc, 700 17th St, Ste 300 Denver, CO 80202-3531	5,223	16.39%
R	MG Trust Co. Cust. FBO Brett S. Goymerac DDS OPC 700 17th St, Ste 300 Denver, CO 80202-3531	4,043	12.69%
R	MG Trust Co. Cust. FBO LCN Services 700 17th St, Ste 300 Denver, CO 80202-3531	3,231	10.14%
R	MG Trust Co. Cust. FBO Choice One Builders LLC 700 17th St, Ste 300 Denver, CO 80202-3531	1,893	5.94%
R	MG Trust Co. Cust. FBO Fresh Girl Trading Inc 700 17th St, Ste 300 Denver, CO 80202-3531	1,715	5.38%
R	Bridgeport CT Board of Education 403(b) Plan A/C John M. Fabrizi 120 Doreen Dr. Bridgeport, CT 06604-1001	1,723	5.41%
R	Merrill Lynch 4800 Deer Lake Dr. E. FL 3 Jacksonville, FL 32246-6484	3,520	11.05%
Y	Merrill Lynch 4800 Deer Lake Dr. E. FL 3 Jacksonville, FL 32246-6484	63,928	10.25%
Y****	Great-West Trust Company, LLC — The Putnam Retirement Plan	368,009	58.99%
Putnam Emerging Markets Income Fund			
A	Putnam, LLC One Post Office Square Boston, MA 02109	1,013,527	97.97%

Class	Shareholder Name and Address	Holdings	Percentage Owned
B	Putnam, LLC One Post Office Square Boston, MA 02109	1,014	47.77%
B	LPL Financial 9785 Towne Centre Dr. San Diego, CA 92121-1968	985	46.40%
B	David C. Hartke IRA Rollover Plan 3666 Ripplegrove Dr. Cincinnati, OH 45251	124	5.83%
C	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	10,312	87.59%
C	Putnam, LLC One Post Office Square Boston, MA 02109	1,013	8.61%
M	Putnam, LLC One Post Office Square Boston, MA 02109	1,016	45.41%
M	Terry L. Masterson TOD Multiple Beneficiaries 7150 Buckskin Trl Peoria, AZ 85383-7204	596	26.63%
M	Kelly D. Herriman ROTH IRA Plan 5821 County Road 550 Marquette, MI 49855-9755	403	17.99%
M	Kelly D. Herriman IRA Plan 5821 County Road 550 Marquette, MI 49855-9755	223	9.97%
Y	Great-West Trust Co LLC FBO PUT INV The Putnam Retirement Plan 8515 E. Orchard Rd, #2T2 Greenwood Village, CO 80111-5002	7,356	12.62%
Y	Jameson A. Baxter & Reginald Baxter 626 Old Bard Rd. LK Barrington, IL 60010-6203	4,990	8.56%
Y	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	4,850	8.32%
Y	Barbara M. Baumann 110 Eudora St. Denver, CO 80220-6314	3,496	6.00%
Y	Great-West Trust Co LLC FBO PUT INV Executive DEF Comp PI 401k C/O Fascore, LLC 8515 E. Orchard Rd, #2T2 Greenwood Village, Co 80111-5002	21,786	37.39%
Y	Kevin F. Murphy & Lana Murphy 14 Sears Rd. Wayland, MA 01778-2116	11,021	18.91%
Putnam Equity Income Fund			
A	Edward D. Jones & Co. 201 Progress Pkwy Maryland Heights, MO 63043-3009	15,672,950	10.05%
A	National Financial Services, LLC 499 Washington Blvd Jersey City, NJ 07310-2010	11,813,667	7.57%
A	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	9,163,048	5.87%
B	Wells Fargo Advisors 2801 Market St. St. Louis, MO 63103-2523	368,610	7.19%
B	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	312,340	6.09%
B	MLPF&S 4800 Deer Lake Dr., E., FL 3 Jacksonville, FL 32246-6484	304,676	5.94%

Class	Shareholder Name and Address	Holdings	Percentage Owned
Putnam Equity Income Fund (cont.)			
B	National Financial Services, LLC 499 Washington Blvd Jersey City, NJ 07310-2010	268,948	5.25%
C	MLPF&S 4800 Deer Lake Dr., E. FL 3 Jacksonville, FL 32246-6484	1,774,840	18.14%
C	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	1,056,508	10.80%
C	Wells Fargo Advisors 2801 Market St. St. Louis, MO 63103-2523	766,266	7.83%
C	Morgan Stanley Smith Barney Harborside Financial Center Plaza 2, 3rd Floor Jersey City, NJ 07311	759,557	7.76%
C	UBS WM USA 1000 Harbor Blvd Weehawken, NJ 07086-6761	718,179	7.34%
C	National Financial Services, LLC 499 Washington Blvd Jersey City, NJ 07310-2010	523,624	5.35%
C	Raymond James 880 Carillon Pkwy St. Petersburg, FL 33716-1100	532,618	5.44%
M	National Financial Services, LLC 499 Washington Blvd Jersey City, NJ 07310-2010	104,711	5.19%
M	Edward D. Jones & Co. 201 Progress Pkwy Maryland Heights, MO 63043-3009	312,122	15.46%
M	Morgan Stanley Smith Barney Harborside Financial Center Plaza 2, 3rd Floor Jersey City, NJ 07311	102,746	5.09%
R	State Street Bank TTEE ADP Access 1 Lincoln St. Boston, MA 02111-2901	1,626,969	35.54%
R	Hartford Life Insurance Co. DC III Separate Acct CI R Attn: UIT Operations 1 Griffin Rd N Windsor, CT 06095-1512	905,955	19.79%
R	MLPF&S 4800 Deer Lake Dr. E., FL 3 Jacksonville, FL 32246-6484	322,903	7.05%
R5	Putnam LLC One Post Office Square Boston, MA 02109	669	100.00%
R6	Putnam LLC One Post Office Square Boston, MA 02109	1,253,774	17.63%
R6	JP Morgan Chase TTEE FBO TJX Companies, Inc. General Savings/Profit Sharing Plan 11500 Outlook St. Overland Park, KS 66211-1804	5,027,041	70.67%
Y	National Financial Services, LLC 499 Washington Blvd Jersey City, NJ 07310-2010	5,730,945	10.86%
Y	Charles Schwab & Co., Inc. 101 Montgomery St. San Francisco, CA 94104-4151	2,863,907	5.43%
Y**	Great-West Trust Company, LLC — Recordkeeping for various benefit plans	10,194,002	19.33%
Y*	IBEW Local 3	3,777,252	7.16%
Y*	Marsh & McLennan Supplemental Retirement Plan	3,428,456	6.50%

Class	Shareholder Name and Address	Holdings	Percentage Owned
Putnam Equity Spectrum Fund			
A	National Financial Services, LLC 499 Washington Blvd Jersey City, NJ 07310-2010	8,368,984	33.22%
A	UBS WM USA 1000 Harbor Blvd Weehawken, NJ 07086-6761	2,882,648	11.44%
A	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	2,214,790	8.79%
A	LPL Financial 9785 Towne Centre Dr. San Diego, CA 92121-1968	1,567,505	6.22%
B	MLPF&S 4800 Deer Lake Dr., E. FL 3 Jacksonville, FL 32246-6484	156,706	18.605
B	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	128,539	15.26%
B	Wells Fargo Advisors 2801 Market St. St. Louis, MO 63103-2523	117,568	13.95%
C	MLPF&S 4800 Deer Lake Dr., E. FL 3 Jacksonville, FL 32246-6484	1,048,251	18.61%
C	Morgan Stanley Smith Barney Harborside Financial Center Plaza 2, 3rd Floor Jersey City, NJ 07311	653,537	11.60%
C	Wells Fargo Advisors 2801 Market St. St. Louis, MO 63103-2523	679,682	12.07%
C	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	679,617	12.07%
C	Raymond James 880 Carillon Pkwy St. Petersburg, FL 33716-1100	587,959	10.44%
C	UBS WM USA 1000 Harbor Blvd Weehawken, NJ 07086-6761	524,161	9.31%
C	National Financial Services, LLC 499 Washington Blvd Jersey City, NJ 07310-2010	283,225	5.03%
M	National Financial Services, LLC 499 Washington Blvd Jersey City, NJ 07310-2010	11,870	17.94%
M	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	11,131	16.83%
M	Morgan Stanley Smith Barney Harborside Financial Center Plaza 2, 3rd Floor Jersey City, NJ 07311	8,882	13.43%
M	LPL Financial 9785 Towne Centre Dr. San Diego, CA 92121-1968	4,239	6.41%
M	Wells Fargo Advisors 2801 Market St. St. Louis, MO 63103-2523	4,949	7.48%
R	FIIOC FBO — Darrenkamp's Mount Joy Market, Inc. 401k Plan 100 Magellan Way Covington, KY 41015-1987	18,690	13.42%
R	MLPF&S 4800 Deer Lake Dr., E. FL 3 Jacksonville, FL 32246-6484	17,633	12.66%
R	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	9,046	6.49%

Class	Shareholder Name and Address	Holdings	Percentage Owned
Putnam Equity Spectrum Fund (cont.)			
R	Christopher Mooney 701 Madison St. PO Box 71 New Lexington, OH 43764-0001	10,480	7.52%
Y	LPL Financial 9785 Towne Centre Dr. San Diego, CA 92121-1968	3,779,559	19.75%
Y	MLPF&S 4800 Deer Lake Dr., E. FL 3 Jacksonville, FL 32246-6484	3,358,312	17.55%
Y	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	2,382,944	12.45%
Y	Wells Fargo Advisors 2801 Market St. St. Louis, MO 63103-2523	2,387,130	12.47%
Y	Morgan Stanley Smith Barney Harborside Financial Center Plaza 2, 3rd Floor Jersey City, NJ 07311	2,283,170	11.93%
Y	Charles Schwab & Co., Inc. 101 Montgomery St. San Francisco, CA 94104-4151	990,641	5.18%
Y	National Financial Services, LLC 499 Washington Blvd Jersey City, NJ 07310-2010	978,941	5.11%
Putnam Europe Equity Fund			
A	National Financial Services LLC For the Exclusive Benefit of Our Customers 499 Washington Blvd Attn: Mutual Funds Dept. 4th Fl. Jersey City, NJ 07310-2010	593,529	8.85%
A	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	544,784	8.13%
A	Wells Fargo Advisors Special Custody Acct for the Exclusive Benefit of Customer 2801 Market St. Saint Louis, MO 63103-2523	413,311	6.17%
B	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	13,830	9.79%
C	MLPF&S For the Sole Benefit of its Customers Attn: Fund Administration 4800 Deer Lake Dr. E. FL 3 Jacksonville, FL 32246-6484	38,531	24.01%
C	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	23,579	14.69%
C	Morgan Stanley Smith Barney Harborside Financial Center Plaza 2, 3rd Floor Jersey City, NJ 07311	15,563	9.70%
M	SMBC Friend Securities Co., Ltd. Product Admin. & Operations Group Investment Trust & Insurance Group 7-12, Nihonbashi-Kabutocho Chuo-Ku, Tokyo 103-8221 Japan	39,410	31.08%
M	Mr. Spencer Covey 576 Maple St. San Mateo, CA 94402-2017	13,250	10.45%
R	MG Trust Company Cust. FBO Southern Cross Aviation LLC 717 17th St. Ste. 1300 Denver, CO 80202-3304	2,421	23.85%

Class	Shareholder Name and Address	Holdings	Percentage Owned
R	MG Trust Company Cust. FBO Wyde Corp. 717 17th St. Ste. 1300 Denver, CO 80202-3304	1,451	14.29%
R	MG Trust Company Cust. FBO Ambiopharm Inc. 717 17th St. Ste. 1300 Denver, CO 80202-3304	794	7.82%
R	MG Trust Company Cust. FBO Bauch Zucker Hatfield LLC 717 17th St. Ste. 1300 Denver, CO 80202-3304	760	7.49%
R	MG Trust Company Cust. FBO Sidra S. Qazi 717 17th St. Ste. 1300 Denver, CO 80202-3304	647	6.37%
R	MG Trust Company Cust. FBO Nina Inc 717 17th St. Ste. 1300 Denver, CO 80202-3304	571	5.62%
Y	Great-West Trust Co LLC Recordkeeping for Various Benefit Plans 8515 E. Orchard Rd, #2T2 Greenwood Village, CO 80111-5002	202,960	36.33%
Y	Great-West Trust Co LLC The Putnam Retirement Plan 8515 E. Orchard Rd, #2T2 Greenwood Village, CO 80111-5002	171,269	30.66%
Y	Morgan Stanley Smith Barney Harborside Financial Center Plaza 2, 3rd Floor Jersey City, NJ 07311	71,057	12.72%
Putnam Floating Rate Income Fund			
A	National Financial Services, LLC For the Exclusive Benefit of its Customers 499 Washington Blvd Attn: Mutual Funds Dept 4th Fl. Jersey City, NJ 07310-2010	7,389,964	16.33%
A	UBS Wealth Management USA 1000 Harbor Blvd Weehawken, NJ 07086-6761	5,636,014	12.46%
A	Morgan Stanley Smith Barney Harborside Financial Center Plaza 2, 3rd Fl. Jersey City, NJ 07311	5,204,087	11.50%
A	Wells Fargo Advisors 2801 Market St. St. Louis, MO 63103-2523	4,255,262	9.40%
A	MLPF&S 4800 Deer Lake Dr. E. FL 3 Jacksonville, FL 32246-6484	3,403,758	7.52%
A	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	3,791,947	8.38%
B	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	342,038	16/43%
B	Wells Fargo Advisors 2801 Market St. St. Louis, MO 63103-2523	297,812	14.31%
B	MLPF&S 4800 Deer Lake Dr., E., FL 3 Jacksonville, FL 32246-6484	155,011	7.45%
B	Morgan Stanley Smith Barney Harborside Financial Center Plaza 2, 3rd Fl. Jersey City, NJ 07311	223,183	10.72%

Class	Shareholder Name and Address	Holdings	Percentage Owned
Putnam Floating Rate Income Fund (cont.)			
B	National Financial Services, LLC For the Exclusive Benefit of its Customers 499 Washington Blvd Attn: Mutual Funds Dept 4th Fl. Jersey City, NJ 07310-2010	183,337	8.81%
C	UBS Wealth Management USA 1000 Harbor Blvd Weehawken, NJ 07086-6761	1,687,465	12.46%
C	Wells Fargo Advisors 2801 Market St. St. Louis, MO 63103-2523	1,692,229	12.50%
C	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	1,521,640	11.24%
C	Morgan Stanley Smith Barney Harborside Financial Center Plaza 2, 3rd Fl. Jersey City, NJ 07311	1,200,971	8.87%
C	MLPF&S 4800 Deer Lake Dr. E. FL 3 Jacksonville, FL 32246-6484	1,246,529	9.21%
C	LPL Financial Omnibus Customer Account Attn: Lindsay O'Toole 9785 Towne Centre Dr. San Diego, CA 92121-1968	914,123	6.75%
C	Charles Schwab & CO Inc. Clearing Account For the Exclusive Benefit of Their Customers 101 Montgomery St. San Francisco, CA 94104-4151	748,696	5.53%
C	National Financial Services, LLC For the Exclusive Benefit of its Customers 499 Washington Blvd Attn: Mutual Funds Dept. 4th Fl Jersey City, NJ 07310-2010	1,108,520	8.19%
M	Morgan Stanley Smith Barney Harborside Financial Center Plaza 2, 3rd Fl. Jersey City, NJ 07311	238,957	33.32%
M	UBS Wealth Management USA 1000 Harbor Blvd Weehawken, NJ 07086-6761	114,960	15.99%
M	National Financial Services, LLC For the Exclusive Benefit of its Customers 499 Washington Blvd Attn: Mutual Funds Dept. 4th Fl Jersey City, NJ 07310-2010	105,545	14.72%
M	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	55,216	7.70%
M	Wells Fargo Advisors 2801 Market St. St. Louis, MO 63103-2523	41,223	5.75%
R	Alerus Financial FBO — 5CMHC Retirement Plan PO Box 64535 St. Paul, MN 55164-0535	12,285	22.39%
R	Morgan Stanley Smith Barney Harborside Financial Center Plaza 2, 3rd Fl. Jersey City, NJ 07311	8,099	14.76%
R	MG Trust Company FBO — Brown Kinsey Funkhouser and Lander 717 17th St. Ste 1300 Denver, CO 80202-3531	6,520	11.88%

Class	Shareholder Name and Address	Holdings	Percentage Owned
R	MG Trust Company FBO — Elan Marketing, Inc. 717 17th St. Ste 1300 Denver, CO 80202-3531	4,079	7.43%
R	MG Trust Company FBO — Valor Company, Inc 717 17th St. Ste 1300 Denver, CO 80202-3531	3,940	7.18%
R	MG Trust Company FBO — KLP Tax and Financial Group, Inc 717 17th St. Ste 1300 Denver, CO 80202-3531	3,025	5.51%
R	Frontier Trust Company GeoTechnologies, Inc. 401k Pension Plan PO Box 10758 Fargo, ND 58106-0758	6,424	11.71%
Y	Wells Fargo Advisors 2801 Market St. St. Louis, MO 63103-2523	6,824,196	16.29%
Y	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	2,793,354	6.67%
Y	MLPF&S 4800 Deer Lake Dr. E. FL 3 Jacksonville, FL 32246-6484	3,076,020	7.34%
Y	Morgan Stanley Smith Barney Harborside Financial Center Plaza 2, 3rd Fl. Jersey City, NJ 07311	2,692,209	6.43%

The Putnam Fund for Growth and Income

A	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	19,428,134	7.25%
A	Wells Fargo Advisors Special Custody Acct for the Exclusive Benefit of Customer 2801 Market St. Saint Louis, MO 63103-2523	15,220,138	5.67%
B	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	409,384	7.86%
C	UBS Wealth Management USA Omni Account M/F Attn: Department Manager 1000 Harbor Blvd Weehawken, NJ 07086-6761	410,265	16.04%
C	Wells Fargo Advisors Special Custody Acct for the Exclusive Benefit of Customer 2801 Market St. Saint Louis, MO 63103-2523	207,753	8.12%
C	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	135,134	5.28%
M	Wells Fargo Advisors Special Custody Acct for the Exclusive Benefit of Customer 2801 Market St. Saint Louis, MO 63103-2523	132,804	6.85%
M	Edward D. Jones & Co. Attn: Mutual Fund Shareholder Accounting 201 Progress Pkwy Maryland Hts, MO 63043-3009	130,299	6.72%
R	MG Trust Co Cust FBO Freestate Management LLC 700 17th St., Ste. 300 Denver, CO 80202-3304	62,177	29.25%
R	Capital Bank & Trust Co Geddes & Co Pension Plan 8515 E. Orchard Rd. #2T2 Greenwood Vlg, CO 80111-5002	36,761	17.29%

Class	Shareholder Name and Address	Holdings	Percentage Owned
The Putnam Fund for Growth and Income (cont.)			
R	Capital Bank & Trust Co HK Research Corp PSP 8515 E. Orchard Rd. #2T2 Greenwood Vlg, CO 80111-5002	29,164	13.72%
R5	Putnam Investment Holdings, LLC One Post Office Square Boston, MA 02109	749	100.00%
R6	Putnam Investment Holdings, LLC One Post Office Square Boston, MA 02109	973,849	99.62%
Y	Wells Fargo Advisors Special Custody Acct for the Exclusive Benefit of Customer 2801 Market St. Saint Louis, MO 63103-2523	235,835	9.80%
Y	Morgan Stanley Smith Barney Harborside Financial Center Plaza 2, 3rd Floor Jersey City, NJ 07311	215,174	8.94
Y	Merrill Lynch 4800 Deer Lake Dr. E. FL 3. Jacksonville, FL 32246-6484	191,348	7.95%
Y**	Great-West Trust Company LLC TTEE	470,773	19.56%

**The George Putnam Fund of Boston
(d/b/a George Putnam Balanced Fund)**

A	Edward D Jones & Co. Attn: Mutual Fund Shareholder 201 Progress Pkwy Maryland Hts, MO 63043-3009	4,420,047	6.41 %
A	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	3,603,459	5.23%
A	Great-West Trust Company, LLC Recordkeeper for Various Benefit Plans 8515 E Orchard Rd. 2T2 Greenwood Village, CO 80111-5002	4,436,100	6.43%
B	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	124,645	7.03%
C	Wells Fargo Advisors Special Custody Acct For The Exclusive Benefit of Customers 2801 Market St. Saint Louis, MO 63103-2523	137,525	8.48%
C	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	114,161	7.04%
M	State Street Bank Ttee Fbo ADP Access 1 Lincoln St. Boston, MA 02111-2901	4,362,018	85.91
R	MG Trust Company Lakeshore Interactive 700 17th St. Ste. 300 Denver, CO 80202-3531	6,735	9.81%
R	MG Trust Company D&S Linen Services, Inc. 700 17th St. Ste. 300 Denver, CO 80202-3531	3,855	5.62%
R	MG Trust Company Primatics, Inc. 700 17th St. Ste. 300 Denver, CO 80202-3531	3,782	5.51%
R	Frontier Trust Company Mt. Vernon Hospital Employee Retirement PO Box 10758 Fargo, ND 58106-0758	3,457	5.04%

Class	Shareholder Name and Address	Holdings	Percentage Owned
R	Stanley S Stephens Matthew S Stephens Tttees of The Stephens Funeral Home 401K Profit Sharing Plan & Trust 1335 W Linden St. # 37 Allentown, PA 18102-4334	7,583	11.05%
R	MG Trust Company Saavedra & Rice CPAs PA 700 17th St. Ste 300 Denver, CO 80202-3531	7,095	10.34%
R	MG Trust Company Underground Piercing 700 17th St. Ste. 300 Denver, CO 80202-3531	5,816	8.47%
Y	Great-West Trust Company, LLC Recordkeeper for Various Benefit Plans 8515 E Orchard Rd 2T2 Greenwood Village, CO 80111-5002	23,806,091	53.27%
Y	Great-West Trust Company, LLC The Putnam Retirement Plan 8515 E Orchard Rd. 2T2 Greenwood Village, CO 80111-5002	458,273	6.41%
Y*	Chicago Regional Council of Carpenters Annuity Plan	1,987,078	27.81%

Putnam Global Consumer Fund

A	Putnam LLC One Post Office Square Boston, MA 02109	192,340	29.49%
A	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	107,286	16.45%
A	National Financial Services, LLC 499 Washington Blvd Jersey City, NJ 07310-2010	44,728	6.86%
A	Edward D. Jones & Co. 201 Progress Pkwy Maryland Height, MO 63043-3009	45,192	6.93%
B	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	20,940	34.58%
B	Wells Fargo Advisors 2801 Market St. St. Louis, MO 63103-2523	9,744	16.09%
B	National Financial Services, LLC 499 Washington Blvd Jersey City, NJ 07310-2010	7,912	13.06%
C	Wells Fargo Advisors 2801 Market St. St. Louis, MO 63103-2523	38,241	26.45%
C	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	59,182	40.93%
M	Putnam LLC One Post Office Sqaure Boston, MA 02109-2199	1,217	38.76%
M	National Financial Services, LLC 499 Washington Blvd Jersey City, NJ 07310-2010	521	16.58%
M	Zeyu Gao IRA Rollover Plan 5357 Edmonton Commono Fremont, CA 94555-2921	352	11.23%
M	Russell L. Levings & Carolyn S. Levings 6220 NE 105th St. Oklahoma City, OK 73151	208	6.64%
M	Cetera Investment Services 400 First Street, Ste. 300 PO Box 283 St. Cloud, MN 56302-0283	598	19.06%

Class	Shareholder Name and Address	Holdings	Percentage Owned
Putnam Global Consumer Fund (cont.)			
R	Morgan Stanley Smith Barney Harborside Financial Center Plaza 2, 2rd Fl. Jersey City, NJ 07311	1,682	16.81%
R	Frontier Trust Company Respiratory & Sleep Disorders Specialists PO Box 10758 Fargo, ND 58106-0758	5,936	59.34%
R	Putnam LLC One Post Office Square Boston, MA 02109-2199	1,231	12.30%
R	Franklin Public Schools 403(B) Plan A/C Jane S. Hogan 204 Rolling Meadow Dr. Holliston, MA 01746-2631	1,061	10.61%
Y	LPL Financial 9785 Towne Centre Dr. San Diego, CA 92121	23,594	12.76%
Y	National Financial Services, LLC 499 Washington Blvd Jersey City, NJ 07310-2010	18,658	10.09%
Y****	Great-West Trust Company, LLC — The Putnam Retirement Plan	36,200	19.57%
Y****	Putnam Global Sector Fund — Global Consumer Fund A shares	22,513	12.17%
Y****	Putnam Global Sector Fund — Global Consumer Fund Y shares	37,762	20.42%
Putnam Global Dividend Fund			
A	Putnam Investment Holdings, LLC Attn: Corporate Treasury One Post Office Square Boston, MA 02109-2199	499,146	70.52%
A	Timothy D. Jaroch & Patricia Jaroch 40 Hillcrest Rd. Belmon, Ma 02478-2954	54,430	7.69%
B	Putnam Investment Holdings, LLC Attn: Corporate Treasury One Post Office Square Boston, MA 02109-2199	1,004	16.02%
B	Putnam Fiduciary Trust Co TTEE FBO Chloe M. Johnson IRA Rollover Plan 108 N. 6th St. Wilmington, NC 28401-4129	953	15.20%
B	Edward D. Jones & Co 12555 Manchester Rd. St. Louis, MO 63131-3729	934	14.91%
B	Putnam Fiduciary Trust Co Cust FBO Clermont Northeastern School District 403(B) Plan A/C Billie D. Trame 945 Hidden Ridge Dr. Milford, OH 45150-5588	743	11.85%
B	Putnam Fiduciary Trust Co TTEE FBO Cara L. Sidman IRA Rollover Plan 2711 Wrightsville Ave. Wilmington, NC 28403-2548	550	8.77%
B	Putnam Fiduciary Trust Co TTEE FBO Mary Jo Nelson IRA Plan 2620 Clay St. St. Joseph, MO 64501-2628	499	7.96%
B	Putnam Fiduciary Trust Co TTEE FBO Patricia Tinkler IRA Plan 706 Lower Paradise Rd. Little Falls, NY 13365-5143	481	7.67%
B	U.S. Bancorp Investments Inc. 60 Livingston Ave. St. Paul, MN 55107-2292	371	5.92%
B	Putnam Fiduciary Trust Co TTEE FBO Rebecca L. Jones Ira Rollover Plan 2363 Burkert Rd. Waterville, NY 13480-1401	346	5.51%

Class	Shareholder Name and Address	Holdings	Percentage Owned
C	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	4,009	26.76%
C	Janney Montgomery Scott LLC Wendy OsGood 1717 Arch St. Philadelphia, PA 19103-2713	2,370	15.82%
C	LPL FINANCIAL Attn: Lindsay O'Toole 9785 Towne Centre Dr. San Diego, CA 92121-1968	1,975	13.18%
C	Putnam Fiduciary Trust Co TTEE FBO Edward Gillis IRA Plan 1910 SE 160th Pl. Vancouver, WA 98683-4402	1,912	12.76%
C	Putnam Fiduciary Trust Co TTEE FBO Mary Jane Stein IRA Plan 7156 Durness Pl. Columbus, OH 43235-5130	1,496	9.99%
C	Putnam Investment Holdings, LLC Attn: Corporate Treasury 1 Post Office Square Boston, MA 02109-2199	1,006	6.71%
M	Putnam Investment Holdings, LLC Attn: Corporate Treasury 1 Post Office Square Boston, MA 02109-2199	1,005	46.26%
M	Putnam Fiduciary Trust Co TTEE FBO Mark J. Ruthenberg SEP IRA Plan A/C Mark J. Ruthenberg 1001 N. Stockton Hill Rd., Ste. A Kingman, AZ 86401-6277	663	30.54%
M	Putnam Fiduciary Trust Co TTEE FBO Florence K. Horning ROTH IRA Conversion Plan PO Box 265 Gloversville, NY 12078-0003	313	14.42%
M	Putnam Fiduciary Trust Co TTEE FBO Teresa Parker IRA Rollover Plan 202 Douglas Dr. Hurlock, MD 21643-3666	191	8.78%
Y	Great-West Trust Co LLC TTEE Executive DEF Comp PI 401k c/o Fascore, LLC 8515 E. Orchard Rd, 2T2 Greenwood Village, CO 80111-5002	11,854	35.03%
Y	Great-West Trust Co LLC TTEE The Putnam Retirement Plan c/o Fascore, LLC 8515 E. Orchard Rd, 2T2 Greenwood Village, CO 80111-5002	10,853	32.07%
Y	Jameson A. Baxter & Reginald Baxter 626 Old Barn Rd. LK Barrington, IL 60010-6203	4,788	14.15%
Putnam Global Energy Fund			
A	Putnam LLC One Post Office Square Boston, MA 02109-2199	210,202	19.10%
A	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	73,848	6.71%
A	LPL Financial 9785 Towne Centre Dr. San Diego, CA 92121-1968	140,990	12.81%
B	Wells Fargo Advisors 2801 Market St. St. Louis, MO 63103-2523	22,749	12.62%
B	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	29,142	16.16%
C	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	19,615	19.13%

Class	Shareholder Name and Address	Holdings	Percentage Owned
Putnam Global Energy Fund (cont.)			
C	Wells Fargo Advisors 2801 Market St. St. Louis, MO 63103-2523	8,936	8.71%
C	National Financial Services, LLC 499 Washington Blvd Jersey City, NJ 07310-2010	9,483	9.25%
C	Charles Schwab & Co., Inc. 101 Montgomery St. San Francisco, CA 94104-4151	12,441	12.13%
C	LPL Financial 9785 Towne Centre Dr. San Diego, CA 92121-1968	6,285	6.13%
M	Robin A. Bodkins PO Box 1148 Kingman, AZ 86402-1148	398	6.78%
M	Erin S. Layne 5962 Aberdeen St. Littleton, CO 80120-2705	492	8.38%
M	LPL Financial 9785 Towne Centre Dr. San Diego, CA 92121-1968	655	11.16%
M	Sherman A. Katz IRA Rollover Plan 6022 McNaughton Grove Lane Columbus, OH 43213-5103	1,161	19.78%
M	Campus Crusade for Christ 403(B) Plan A/C Erin S. Layne 5962 Aberdeen St. Littleton, CO 80120-2705	991	16.88%
M	Gary L. Preston IRA Rollover Plan 7850 Victoria Way St. Louis Park, MN 55426-3063	704	12.00%
R	Merrill Lynch 4800 Deer Lake Dr., E. FL 3 Jacksonville, FL 32246-6484	20,180	33.02%
R	Frontier Trust Company FBO — Finish Line Technologies Inc. 401K PO Box 10758 Fargo, ND 58106-0758	8,071	13.21%
R	Frontier Trust Company Dansker & Aspromonte Associates RET PO Box 10758 Fargo, ND 58106-0758	7,831	12.81%
R	Frontier Trust Company FBO — Executive Marketing Consultants, Inc. PO Box 10758 Fargo, ND 58106-0758	3,091	5.06%
R	Frontier Trust Company FBO — Polo Ranch 401k Retirement Plan PO Box 10758 Fargo, ND 58106-0758	5,160	8.44%
Y	Steven W. Curbow & Catherine Curbow 12 Pilgrim Lane Medfield, MA 02052-3229	8,399	8.42%
Y****	Great-West Trust Company, LLC — The Putnam Retirement Plan	55,357	55.47%
Y****	Great-West Trust Company, LLC — Putnam Defined Contribution Plans	5,700	5.71%
Putnam Global Equity Fund			
A	Pershing LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	3,988,073	5.80%
C	Wells Fargo Advisors Special Custody Acct for the Exclusive Benefit of Customer 2801 Market St. Saint Louis, MO 63103-2523	89,604	7.54%
C	Pershing LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	90,987	7.66%

Class	Shareholder Name and Address	Holdings	Percentage Owned
C	Morgan Stanley Smith Barney Harborside Financial Center Plaza 2, 3rd Floor Jersey City, NJ 07311	72,672	6.12%
M*	PECO Employees 401(k) Plan	65,135	6.04%
R	Capital Bank & Trust Co. Geddes & Co Pension Plan 8515 E Orchard Rd. # 2T2 Greenwood Villeage, CO 80111-5002	34,427	34.47%
R	MG Trust Company Magtech & Power Conversion, Inc. 700 17th St. Suite 300 Denver, CO 80202-3531	6,958	6.97%
R5	Putnam LLC One Post Office Square Boston, MA 02109	1,131	100.00%
R6	Putnam LLC One Post Office Square Boston, MA 02109	760,242	99.43%
Y	R. Shepherd Perkins 87 Mount Vernon St., Apt L-2 Boston, MA 02108-1330	139,407	6.28%
Y	Raymond James 880 Carillon Pkwy St. Petersburg, FL 33716-110	208,331	9.38%
Y**	Great-West Trust Company, LLC — The Putnam Retirement Plan	468,307	21.08%
Y**	Great-West Trust Company, LLC — Recordkeeping for various benefit plans	116,900	5.26%
Putnam Global Financials Fund			
A	Putnam LLC One Post Office Square Boston, MA 02109-2199	247,792	43.98%
A	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	42,080	7.47%
A	National Financial Services, LLC 499 Washington Blvd Jersey City, NJ 07310	30,082	5.34%
B	National Financial Services, LLC 499 Washington Blvd Jersey City, NJ 07310	4,050	7.61%
B	Wells Fargo Advisors 2801 Market St. St. Louis, MO 63103-2523	3,617	6.80%
B	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	5,834	10.97%
B	LPL Financial 9785 Towne Centre Dr. San Diego, CA 92121-1968	3,126	5.88%
C	Charles Schwab & Co., Inc. 101 Montgomery St. San Francisco, CA 94104-4151	180,985	62.26%
C	LPL Financial 9785 Towne Centre Dr. San Diego, CA 92121-1968	48,801	17.13%
M	South Glens Falls Central School 403(B) Plan 5 Owen Ave. Queeenbury, NY 12804-1111	1,322	16.42%
M	Alam M. Qadri IRA Rollover Plan 1315 Connecticut Woods Dr. Hudson, OH 44236-1271	2,787	34.62%
M	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	1,280	15.90%
M	Putnam LLC One Post Office Square Boston, MA 02109-2199	1,161	14.42%

Class	Shareholder Name and Address	Holdings	Percentage Owned
Putnam Global Financials Fund (cont.)			
R	Frontier Trust Company FBO — Mason & Mincey ODP4 401k PO Box 10758 Fargo, ND 58106-0758	15,993	38.27%
R	Frontier Trust Company Neighborhood Lending Partners, Inc. PO Box 10758 Fargo, ND 58106-0758	3,523	8.43%
R	Frontier Trust Company Wind-Up Entertainment 401k Plan PO Box 10758 Fargo, ND 58106-0758	3,185	7.62%
R	Frontier Trust Company FBO — RKT Savings & Retirement Plan PO Box 10758 Fargo, ND 58106-0758	2,966	7.10%
R	Frontier Trust Company Kaplan Massamillo & Andrews, LLC PO Box 10758 Fargo, ND 58106-0758	2,411	5.77%
R	Merrill Lynch 4800 Deer Lake Dr., E. FL 3 Jacksonville, FL 32246	3,145	7.53%
R	New World Travel Inc. PO Box 10758 Fargo, ND 58106-0758	3,118	7.46%
R	Envelope Freedom Holdings, LLC PO Box 10758 Fargo, ND 58106-0758	2,922	6.99%
Y	LPL Financial 9785 Towne Centre Dr. San Diego, CA 92121-1968	94,517	27.38%
Y	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	92,252	26.72%
Y****	Great-West Trust Company, LLC — The Putnam Retirement Plan	45,691	13.23%
Y***	Putnam Global Sector Fund — Global Financials Fund A shares	27,387	7.93%
Y***	Putnam Global Sector Fund — Global Financials Fund Y shares	45,964	13.31%
Putnam Global Health Care Fund			
A	MLPF&S 4800 Deer Lake Dr., E. FL 3 Jacksonville, FL 32246-6484	1,478,477	7.47%
A	Wells Fargo Advisors 2801 Market St. St. Louis, MO 63103-2523	1,455,525	7.37%
A	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	1,263,723	6.39%
A	National Financial Services 499 Washington Blvd. Jersey City, NJ 07310-2010	1,163,872	5.88%
A	Edward D. Jones & Co 201 Progress Pkwy Maryland Height, MO 63043-3009	1,000,842	5.06%
B	MLPF&S 4800 Deer Lake Dr., E., FL 3 Jacksonville, FL 32246-6484	41,360	6.10%
B	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	46,585	6.87%
B	Wells Fargo Advisors 2801 Market St. St. Louis, MO 63103-2523	58,834	8.67%
C	LPL Financial 9785 Towne Centre Dr. San Diego, CA 92121-1968	26,422	5.21%

Class	Shareholder Name and Address	Holdings	Percentage Owned
C	MLPF&S 4800 Deer Lake Dr., E., FL 3 Jacksonville, FL 32246-6484	56,533	11.14%
C	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	62,211	12.26%
C	Morgan Stanley Smith Barney Harborside Financial Center Plaza 2, 3rd Floor Jersey City, NJ 07311	39,915	7.87%
C	Wells Fargo Advisors 2801 Market St. St. Louis, MO 63103-2523	29,750	5.86%
M	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	22,873	10.22%
M	Wells Fargo Advisors 2801 Market St. St. Louis, MO 63103-2523	18,970	8.47%
M	Morgan Stanley Smith Barney Harborside Financial Center Plaza 2, 3rd Floor Jersey City, NJ 07311	15,957	7.13%
M	UBS WM USA 1000 Harbor Blvd Weehawken, NJ 07086-6761	11,455	5.12%
M	Edward D. Jones & Co. 201 Progress Pkwy Maryland Heights, MO 63043-3009	11,726	5.24%
M	MLPF&S 4800 Deer Lake Dr, E. FL 3 Jacksonville, FL 32246-6484	11,542	5.16%
R	Greg Hedding & Randall Moroney ILT Employees PSP 8515 E. Orchard Rd, #2T2 Greenwood Village, CO 80111-5002	4,007	5.58%
R	Merrill Lynch 4800 Deer Lake Dr., E. FL 3 Jacksonville, FL 32246-6494	7,839	10.93%
R	Hartford Securities Distribution PO Box 2999 Hartford, CT 06104	3,671	5.12%
Y	Wells Fargo Advisors 2801 Market St. St. Louis, MO 63103-2523	31,629	5.98%
Y	Morgan Stanley Smith Barney Harborside Financial Center Plaza 2, 3rd Floor Jersey City, NJ 07311	38,605	7.30%
Y	Merrill Lynch 4800 Deer Lake Dr., E., FL 3 Jacksonville, FL 32246-6484	48,316	9.14%
Y**	Great-West Trust Company, LLC — The Putnam Retirement Plan	181,291	34.29%
Y**	Great-West Trust Company, LLC — Putnam Deferred Compensation Plans	43,657	8.26%
Y**	Great-West Trust Company, LLC — Putnam Voluntary Plan	33,862	6.40%
Putnam Global Income Trust			
A	UBS Wealth Management USA Omni Account M/F Attn: Department Manager 1000 Harbor Blvd Weehawken, NJ 07086-6761	2,639,982	16.49%
A	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	1,391,783	8.69%

Class	Shareholder Name and Address	Holdings	Percentage Owned
Putnam Global Income Trust (cont.)			
A	Wells Fargo Advisors Special Custody Acct for the Exclusive Benefit of Customer 2801 Market St. Saint Louis, MO 63103-2523	1,148,945	7.27%
A	National Financial Services LLC For The Exclusive Benefit Of Our Customers 499 Washington Blvd Attn: Mutual Funds Dept 4th Fl Jersey City, NJ 07310-2010	1,069,432	6.68%
B	Wells Fargo Advisors Special Custody Acct for the Exclusive Benefit of Customer 2801 Market St. Saint Louis, MO 63103-2523	162,471	22.22%
B	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	82,659	11.30%
B	MLPF&S For The Sole Benefit Of Its Customers Attn: Fund Administration 4800 Deer Lake Dr., E., FL 3 Jacksonville, FL 32246-6484	45,838	6.27%
B	Edward D. Jones & Co. Attn: Mutual Fund Shareholder Accounting 201 Progress Pkwy Maryland Hts, MO 63043-3009	52,391	7.16%
B	National Financial Services LLC For The Exclusive Benefit Of Our Customers 499 Washington Blvd Attn: Mutual Funds Dept 4th Fl. Jersey City, NJ 07310-2010	40,172	5.49%
B	Raymond James Omnibus for Mutual Funds House Acct Firm 92500015 Attn: Courtney Waller 880 Carillon Pkwy St. Petersburg, FL 33716-1100	52,891	7.23%
C	MLPF&S For The Sole Benefit Of Its Customers Attn: Fund Administration 4800 Deer Lake Dr., E., FL 3 Jacksonville, FL 32246-6484	342,261	13.29%
C	Morgan Stanley Smith Barney Harborside Financial Center Plaza 2, 3rd Floor Jersey City, NJ 07311	341,595	13.26%
C	Raymond James Omnibus for Mutual Funds House Acct Firm 92500015 Attn: Courtney Waller 880 Carillon Pkwy St. Petersburg, FL 33716-1100	291,517	11.32%
C	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	208,589	8.10%
C	Wells Fargo Advisors Special Custody Acct for the Exclusive Benefit of Customer 2801 Market St. Saint Louis, MO 63103-2523	233,925	9.08%
C	UBS Wealth Management USA Omni Account M/F Attn: Department Manager 1000 Harbor Blvd Weehawken, NJ 07086-6761	228,945	8.89%

Class	Shareholder Name and Address	Holdings	Percentage Owned
C	National Financial Services LLC For The Exclusive Benefit Of Our Customers 499 Washington Blvd Attn: Mutual Funds Dept 4th Fl. Jersey City, NJ 07310-2010	180,317	7.00%
C	LPL Financial 9785 Towne Centre Dr. San Diego, CA 92121-1968	153,839	5.97%
C	Charles Schwab & Co. Inc. 101 Montgomery St. San Francisco, CA 94104-4151	148,052	5.75%
M	Mitsubishi UFJ Morgan Stanley Securities Co. Ltd. Structured Products Division 29-20, Mejirodai 3-Chome, Bunkyo-Ku Tokyo 112-8688, Japan	777,400	75.64%
R	MLPF&S For The Sole Benefit Of Its Customers Attn: Fund Administration 4800 Deer Lake Dr., E., FL 3 Jacksonville, FL 32246-6484	142,743	32.18%
R	MG Trust Company Cust. FBO World Resources Institute Pension P 700 17th St., Ste. 300 Denver, CO 80202-3304	61,917	13.96%
R5	Putnam Investment Holdings LLC One Post Office Square Boston, MA 02109	837	100.00%
R6	Putnam Investment Holdings LLC One Post Office Square Boston, MA 02109	324,509	99.74%
Y	MLPF&S For The Sole Benefit Of Its Customers Attn: Fund Administration 4800 Deer Lake Dr., E., FL 3 Jacksonville, FL 32246-6484	1,171,219	34.89%
Y	Morgan Stanley Smith Barney Harborside Financial Center Plaza 2, 3rd Floor Jersey City, NJ 07311	315,510	9.40%
Y	Wells Fargo Advisors Special Custody Acct for the Exclusive Benefit of Customer 2801 Market St. Saint Louis, MO 63103-2523	700,823	20.88%
Y**	Great-West Trust Company LLC – The Putnam Retirement Plan	237,456	7.70%

Putnam Global Industrials Fund

A	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	239,882	28.61%
A	Putnam LLC One Post Office Square Boston, MA 02109-2199	196,001	23.37%
A	National Financial Services, LLC 499 Washington Blvd Jersey City, NJ 07310-2010	125,469	14.96%
B	Wells Fargo Advisors 2801 Market St. St. Louis, MO 63103-2523	7,406	23.54%
B	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	6,106	19.41%
C	LPL Financial 9785 Towne Centre Dr. San Diego, CA 92121-1968	2,293	5.65%
C	National Financial Services, LLC 499 Washington Blvd Jersey City, NJ 07310-2010	2,107	5.19%

Class	Shareholder Name and Address	Holdings	Percentage Owned
Putnam Global Industrials Fund (cont.)			
C	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	14,786	36.44%
C	Wells Fargo Advisors 2801 Market St. St. Louis, MO 63103-2523	7,754	19.11%
M	Priscilla Popov 58 Grace Ave, Fl. 1 Great Neck, NY 11021-2617	192	5.27%
M	LPL Financial 9785 Towne Centre Dr. San Diego, CA 92121-1968	1,105	30.33%
M	Judy R. Taylor IRA Rollover Plan 3289 W. Fieldstream Lane Meridian, ID 83646-8331	1,257	34.48%
M	Teri M. LePage IRA Plan 5 Andrew Lane Bear, DE 19701-1542	544	14.91%
M	Russell L. Levings & Carolyn S. Levings 4640 Northridge Lane Noble, OK 73068-8102	247	6.79%
M	Sharon K. Winnie-Vann IRA Rollover Plan PO Box 221 Seneca, MO 64865-0221	193	5.30%
R	CBNA FBO State Motors, INc. 6 RHoods Dr, Ste. 7 Utica, NY 12502-6317	785	18.76%
R	Frontier Trust Company Respiratory & Sleep Disorders PO Box 10758 Fargo, ND 58106-0758	2,189	52.30%
R	Putnam LLC One Post Office Square Boston, MA 02109-2199	1,207	28.85%
Y	Wells Fargo Advisors 2801 Market St. St. Louis, MO 63103-2523	11,801	10.75%
Y	Ravi Akhoury 6 Pine Valley Way Florham Park, NJ 07932-2700	6,124	5.58%
Y	S. Scott Usecheck 65 Anderson St, Apt. 1B Boston, MA 02114-4354	5,828	5.31%
Y****	Great-West Trust Company, LLC — The Putnam Retirement Plan	41,595	37.88%
Y***	Putnam Global Sector Fund — Global Industrials Fund A shares	11,321	10.31%
Y***	Putnam Global Sector Fund — Global Industrials Fund Y shares	19,015	17.32%
Putnam Global Natural Resources Fund			
A	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	972,511	8.79%
A	Wells Fargo Advisors 2801 Market St. St. Louis, MO 63103-2523	627,781	5.67%
B	Wells Fargo Advisors 2801 Market St. St. Louis, MO 63103-2523	69,845	10.21%
B	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	61,415	8.98%
C	Raymond James 880 Carillon Pkwy St. Petersburg, FL 33716-1100	90,406	14.19%
C	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	68,460	10.75%

Class	Shareholder Name and Address	Holdings	Percentage Owned
C	Wells Fargo Advisors 2801 Market St. St. Louis, MO 63103-2523	43,241	6.79%
C	MLPF&S 4800 Deer Lake Dr, E. FL 3 Jacksonville, FL 32246-6484	41,828	6.57%
C	National Financial Services, LLC 499 Washington Blvd Jersey City, NJ 07310-2010	36,618	5.75%
R	Hartford Securities Distribution As agent for Reliance Trust Co. FBO — Agents Plan Customers PO Box 2999 Hartford, CT 06104-2999	74,001	10.58%
R	Capital Bank & Trust Company AAC 401k & PSP c/o Plan Premier Fascorp 8515 E. Orchard Rd, #2T2 Greenwood Village, CO 80111-5002	47,625	6.81%
R	Merrill Lynch 4800 Deer Lake Dr., E. FL 3 Jacksonville, FL 32246-6484	46,183	6.61%
Y****	Great-West Trust Company, LLC — The Putnam Retirement Plan	267,607	11.58%
Y	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	143,834	6.23%
Y	Merrill Lynch 4800 Deer Lake Dr., E. FL 3 Jacksonville, FL 32246-6484	1,696,733	73.44%
Putnam Global Sector Fund			
A	RBC Capital Markets, LLC 510 Marquette Ave S. Minneapolis, MN 5504-1110	11,128	6.92%
A	National Financial Services LLC 499 Washington Blvd Jersey City, NJ 07310	23,501	14.62%
A	Pershing LLC 1 Pershing Plaza Jersey City, NJ 07399	18,066	11.24%
A	Edward D. Jones & Co 201 Progress Parkway Maryland HTS, MO 63043-3009	14,340	8.92%
B	National Financial Services LLC 499 Washington Blvd Jersey City, NJ 07310	4,274	19.84%
B	Pershing LLC 1 Pershing Plaza Jersey City, NJ 07399	6,837	31.73%
B	Michelle Riley 380 Westport Tpke Fairfield, CT 06824-1682	2,534	11.76%
B	Jerald C. Jordan & Leslie M. Jordan PO Box 258 Riddle, OR 97469-0258	1,111	5.16%
C	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	4,185	16.18%
C	Jerry/Susan O'Donnell 6345 Peace Pipe Dr. Billings, MT 59106-3680	2,385	9.22%
C	James M. Beckwith 420 Bricker Lane Lebanon, PA 17042	2,061	7.97%
C	Carolyn R.. Beckwith 420 Bricker Lane Lebanon, PA 17042	2,061	7.97%
C	Janice P. Anderson 22993 Valley High Rd Morrison, CO 80465	1,622	6.27%

Class	Shareholder Name and Address	Holdings	Percentage Owned
Putnam Global Sector Fund (cont.)			
M	Putnam LLC One Post Office Square Boston, MA 02109	1,138	75.92%
M	Antoinette E. Simos PO Box 92 Noblesville, IN 46061	360	24.08%
R	Putnam LLC One Post Office Square Boston, MA 02109	1,146	92.45%
R	MG Trust Company AD Enterprises 717 17th St. Ste. 1300 Denver, CO 80202-3304	94	7.55%
Y	Robert L. Reynolds 153 Garfield Road Concord, MA 01742	19,279	7.17%
Y	Aaron Cooper and Emily G Cooper 31 Winthrop Rd. Lexington, MA 02421	14,320	5.32%
Y	Raymond James 880 Carillon Pkwy St. Petersburg, FL 33718-1100	141,317	52.53%
Y**	Great-West Trust Company, LLC — The Putnam Retirement Plan	65,084	24.19%
Putnam Global Technology Fund			
A	National Financial Services, LLC 499 Washington Blvd Jersey City, NJ 07310-2010	26,085	5.19%
A	Putnam LLC One Post Office Square Boston, MA 02109-2199	141,167	28.11%
A	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	52,588	10.47%
B	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	15,755	23.76%
B	Wells Fargo Advisors 2801 Market St. St. Louis, MO 63103-2523	5,826	8.79%
C	Lee Frankel 9060 Union Turnpike, Apt. 17A Glendale, NY 11385-8072	9,253	12.73%
C	Charles Schwab & Co. Inc. 101 Montgomery St. San Francisco, CA 94104-4151	10,042	13.82%
M	Cynthia Baker IRA Rollover Plan 3804 Cibola Trl Carrollton, TX 75007-6238	1,405	24.93%
M	Susan B. Kellett IRA Rollover Plan 633 Fairview Ave. St. Louis, MO 63119-1808	1,110	19.69%
M	Kathy Neri IRA Rollover Plan 446 Beckham Dr. San Jose, CA 95123-5608	1,013	17.98%
M	Edward D. Jones & Co. 201 Progress Pkwy Maryland Heights, MO 63043-3009	789	14.01%
M	Steven D. Arizaga SEP IRA Plan 6734 Mission St. Yuma, AZ 85365-8898	362	6.43%
M	Marcos Silva 12162 NW 75th Pl. Parkland, FL 33076-4500	351	6.22%
M	Marilyn L. Hauf 381 Rushing Creek CT Henderson, NV 89014-4512	339	6.02%

Class	Shareholder Name and Address	Holdings	Percentage Owned
R	MG Trust Company Hampton 717 17th St. Ste. 1300 Denver, CO 80202-3304	116	8.07%
R	Frontier Trust Company Tierra Media Inc. 401k PO Box 10758 Fargo, ND 58106-0758	83	5.76%
R	FIIOC FBO Farmers Insurance Co. 100 Magellan Way Covington, KY 41015-1987	93	6.46%
R	Putnam LLC One Post Office Square Boston, MA 02109-2199	1,144	79.71%
Y	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	14,216	13.17%
Y	Ravi Akhoury 6 Pine Valley Way Florham Park, NJ 07932-2700	6,443	5.97%
Y****	Great-West Trust Company, LLC — The Putnam Retirement Plan	39,600	36.70%
Y***	Putnam Global Sector Fund — Global Technology Fund A shares	12,731	11.80%
Y***	Putnam Global Sector Fund — Global Technology Fund Y shares	21,342	19.78%
Putnam Global Telecommunications Fund			
A	National Financial Services, LLC 499 Washington Blvd Jersey City, NJ 07310	58,891	6.90%
A	Putnam LLC One Post Office Square Boston, MA 02109-2199	216,403	25.35%
A	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	94,124	11.03%
B	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	9,473	24.76%
B	Betsy H. Dexheimer IRA Plan 19 Woodrow Rd Batavia, NY 14020-1201	2,571	6.72%
B	USAA Investment Management Company 9800 Fredericksburg Rd San Antonio, TX 78288-0001	2,080	5.44%
C	LPL Financial 9785 Towne Centre Dr. San Diego, CA 92121-1968	4,658	7.42%
C	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	5,124	8.17%
C	Raymond James 880 Carillon Pkwy St. Petersburg, FL 33716-1100	16,089	25.64%
C	Wells Fargo Advisors 2801 Market St. St. Louis, Mo 63103-2523	14,235	22.68%
C	National Financial Services, LLC 499 Washing Blvd Jersey City, NJ 07310-2010	3,985	6.35%
M	Craig Stastny 1184 Adler Ln Carol Stream, IL 60188-1332	522	16.08%
M	WTRISC as TTEE FBO United Talent Agency PO Box 52129 Phoenix, AZ 85072-2129	228	7.03%
M	Ameritrade, Inc. PO Box 2226 Omaha, NE 68103-2226	206	6.35%

Class	Shareholder Name and Address	Holdings	Percentage Owned
Putnam Global Telecommunications Fund (cont.)			
M	Putnam LLC One Post Office Square Boston, MA 02109-2199	1,171	36.07%
M	Victoria E. Cravens / Walter B. Nash IRA Plan 5203 Paseo Ricoso Camarillo, CA 93102-5326	321	9.90%
M	Teri M. LePage IRA Plan 5 Andrew Lane Bear, DE 19701-1542	195	6.02%
M	Paul Lodge 13400 Burgundy Pl Caldwell, ID 83607-9690	543	16.71%
R	M Squared Strategies, Inc. 717 17th St., Ste. 1300 Denver, CO 80202-3304	1,735	8.71%
R	Frontier Trust Company Envelope Freedom Holdings, LLC PO Box 10758 Fargo, ND 58106-0758	2,761	13.86%
R	Frontier Trust Company Respiratory & Sleep Disorder Specialists PO Box 10758 Fargo, ND 58106-0758	5,106	25.63%
R	Frontier Trust Company FBO — RKT Savings & Retirement Plan PO Box 10758 Fargo, ND 58106-0758	2,925	14.68%
R	DB Systems Corp Profit Sharing Frontier Trust Company PO Box 10758 Fargo, ND 58106-0758	1,920	9.64%
R	MG Trust Company FBO — Computerland Network Technologies 700 17th St., Ste. 300 Denver, CO 80202-3531	1,809	9.08%
R	Putnam LLC One Post Office Square Boston, MA 02109-2199	1,182	5.93%
Y	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	126,809	55.87%
Y****	Great-West Trust Company — The Putnam Retirement Plan	48,657	21.44%
Y	Charles Schwab & Co., Inc. 101 Montgomery St. San Francisco, CA 94104-4151	13,576	5.98%

Putnam Global Utilities Fund

A	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	1,297,967	7.68%
A	Edward D. Jones & Co. 201 Progress Pkwy Maryland Heights, MO 63043-3009	1,249,907	7.39%
A	Wells Fargo Advisors 2801 Market St. St. Louis, MO 63103-2523	958,382	5.67%
B	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	30,242	6.28%
B	Charles Schwab & Co., Inc. 101 Montgomery St. San Francisco, CA 94104-4151	27,701	5.75%
C	National Financial Services, LLC 499 Washing Blvd Jersey City, NJ 07310-2010	17,709	5.25%
C	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	45,728	13.56%

Class	Shareholder Name and Address	Holdings	Percentage Owned
C	MLPF&S 4800 Deer Lake Dr, E., FL 3 Jacksonville, FL 32246-8484	19,697	5.84%
M	Rosemary Newman 3278 W. Catalina Ln. Boise, ID 83705-4005	5,931	5.32%
M	Edward D. Jones & Co. 201 Progress Pkwy Maryland Heights, MO 63043-3009	12,720	11.42%
M	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	5,936	5.33%
R	MLPF&S 4800 Deer Lake Dr, E., FL 3 Jacksonville, FL 32246-8484	18,166	14.68%
R	Frontier Trust Company Caring for Women 401K Plan PO Box 10758 Fargo, ND 58106-0758	14,493	11.71%
R	Frontier Trust Company Micro-Mode Product Inc. 401k Plan PO Box 10758 Fargo, ND 58106-0758	12,111	9.79%
Y****	Great-West Trust Company — The Putnam Retirement Plan	145,861	45.87%
Y	Merrill Lynch 4800 Deer Lake Dr., E., FL 3 Jacksonville, FL 32246-6484	64,659	20.34%
Y	Morgan Stanley Smith Barney Harborside Financial Center Plaza 2, 3rd Floor Jersey City, NJ 07311	17,467	5.49%

Putnam Growth Opportunities Fund

A	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	1,327	8.95%
A	Wells Fargo Advisors Special Custody Acct for the Exclusive Benefit of Customer 2801 Market St. Saint Louis, MO 63103-2523	836,386	5.64%
A	National Financial Services LLC For The Exclusive Benefit Of Our Customers 499 Washington Blvd Attn: Mutual Funds Dept 4th Fl. Jersey City, NJ 07310-2010	769,422	5.19%
B	Charles Schwab & Co. Inc. 101 Montgomery St. San Francisco, CA 94104-4151	87,205	8.87%
C	Charles Schwab & Co. Inc. 101 Montgomery St. San Francisco, CA 94104-4151	41,479	5.31%
C	Wells Fargo Advisors Special Custody Acct for the Exclusive Benefit of Customer 2801 Market St. Saint Louis, MO 63103-2523	77,030	9.85%
C	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	69,685	8.91%
C	MLPF&S For The Sole Benefit Of Its Customers Attn: Fund Administration 4800 Deer Lake Dr., E., FL 3 Jacksonville, FL 32246-6484	67,154	8.59%
C	Morgan Stanley Smith Barney Harborside Financial Center Plaza 2, 3rd Floor Jersey City, NJ 07311	41,300	5.28%

Class	Shareholder Name and Address	Holdings	Percentage Owned
Putnam Growth Opportunities Fund (cont.)			
M	Wells Fargo Advisors Special Custody Acct for the Exclusive Benefit of Customer 2801 Market St. Saint Louis, MO 63103-2523	20,457	8.29%
R	Frontier Trust Company 10771 PO Box 10758 Fargo, ND 58106-0758	46,229	43.84%
R	Counsel Trust DBA MATC FBO CCBG Architects Inc. 401K Profit Sharing Plan & Trust 1251 Waterfront Pl. Ste. 525 Pittsburg, PA 15222-4228	13,680	12.97%
R	Wells Fargo Advisors Special Custody Acct for the Exclusive Benefit of Customer 2801 Market St. Saint Louis, MO 63103-2523	9,686	9.19%
R	Capital Bank & Trust Company TTEE EVO 401K PSP 8515 E. Orchard Rd. 2T2 Greenwood Village, CO 80111-5002	7,243	6.87%
R	MG Trust Company Stark Custom Doors 401K 717 17th St. Ste. 1300 Denver, CO 80202-3304	5,847	5.55%
R5	Putnam LLC One Post Office Square Boston, MA 02109-2199	562	100.00%
R6	Putnam LLC One Post Office Square Boston, MA 02109-2199	300,792	93.29%
R6	Great-West Trust Company, LLC Recordkeeper for various benefit plans 8515 E. Orchard Rd. 2T2 Greenwood Village, CO 80111-5002	21,055	6.53%
Y	Great-West Trust Company, LLC The Putnam Retirement Plan 8515 E. Orchard Rd. 2T2 Greenwood Village, CO 80111-5002	55,172	10.66%
Y	Wells Fargo Advisors Special Custody Acct for the Exclusive Benefit of Customer 2801 Market St. Saint Louis, MO 63103-2523	108,673	20.99%
Y	LPL Financial Omnibus Customer Account Attn: Lindsay O'Toole 9785 Towne Centre Dr. San Diego, CA 92121-1968	53,942	10.42%
Putnam High Yield Advantage Fund			
A	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	13,114,775	14.33%
A	UBS Wealth Management USA Omni Account M/F Attn: Department Manager 1000 Harbor Blvd Weehawken, NJ 07086-6761	10,220,428	11.17%
A	Hartford Life Insurance Co. DC III Separate Acct. CL A Attn: UIT Operations 1 Griffin Rd. N Windsor, CT 06095-1512	9,533,204	10.42%
A	National Financial Services, LLC 499 Washington Blvd Jersey City, NJ 07310-2010	4,693,156	5.13%
B	Wells Fargo Advisors Special Custody Acct for the Exclusive Benefit of Customer 2801 Market St. Saint Louis, MO 63103-2523	565,758	20.19%

Class	Shareholder Name and Address	Holdings	Percentage Owned
B	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	365,363	13.04%
B	MLPF&S For The Sole Benefit Of Its Customers Attn: Fund Administration 4800 Deer Lake Dr., E., FL 3 Jacksonville, FL 32246-6484	195,845	6.99%
B	National Financial Services LLC For The Exclusive Benefit Of Our Customers 499 Washington Blvd Attn: Mutual Funds Dept 4th Fl. Jersey City, NJ 07310-2010	171,442	6.12%
B	Charles Schwab & Co., Inc. 101 Montgomery St. San Francisco, CA 94104-4151	145,054	5.18%
C	UBS Wealth Management USA Omni Account M/F Attn: Department Manager 1000 Harbor Blvd Weehawken, NJ 07086-6761	958,438	20.51%
C	National Financial Services LLC For The Exclusive Benefit Of Our Customers 499 Washington Blvd Attn: Mutual Funds Dept 4th Fl. Jersey City, NJ 07310-2010	749,677	16.04%
C	MLPF&S For The Sole Benefit Of Its Customers Attn: Fund Administration 4800 Deer Lake Dr., E., FL 3 Jacksonville, FL 32246-6484	635,145	13.59%
C	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	340,631	7.29%
C	Wells Fargo Advisors Special Custody Acct for the Exclusive Benefit of Customer 2801 Market St. Saint Louis, MO 63103-2523	311,050	6.65%
M	Mitsubishi UFJ Morgan Stanley Securities Co. Ltd. Structured Products Division 29-20, Mejirodai 3-Chome, Bunkyo-Ku Tokyo 112-8688, Japan	18,098,538	94.42%
R	Hartford Life Insurance Co. Company DC III Separate Acct. Attn: UIT Operations 1 Griffin Rd. N Windsor, CT 06095-1512	2,718,137	69.77%
R**	Great-West Life & Annuity Fascore LLC 8515 E. Orchard Rd. 2T2 Greenwood, CO 80111-5002	889,558	22.83%
Y	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	7,343,358	20.40%
Y	Charles Schwab & Co. Inc. Special Custody A/C FBO Customers Attn: Mutual Funds 101 Montgomery St. San Francisco, CA 94104-4151	2,957,796	8.22%
Y	National Financial Services LLC For The Exclusive Benefit Of Our Customers 499 Washington Blvd Attn: Mutual Funds Dept 4th Fl. Jersey City, NJ 07310-2010	2,185,322	6.07%
Y	MLPF&S For The Sole Benefit Of Its Customers Attn: Fund Administration 4800 Deer Lake Dr., E., FL 3 Jacksonville, FL 32246-6484	15,640,809	43.46%

Class	Shareholder Name and Address	Holdings	Percentage Owned
Putnam High Yield Trust			
A	Edward D. Jones & Co. 12555 Manchester Rd. St. Louis, MO 63131-3729	15,760,620	11.37%
A	Wells Fargo Advisors Special Custody Acct for the Exclusive Benefit of Customer 2801 Market St. Saint Louis, MO 63103-2523	10,606,716	7.65%
A	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	7,723,295	5.57%
A	National Financial Services LLC For The Exclusive Benefit Of Our Customers 499 Washington Blvd Attn: Mutual Funds Dept 4th Fl. Jersey City, NJ 07310-2010	9,859,453	7.11%
B	LPL Financial 9785 Towne Centre Dr. San Diego, CA 92121-1968	142,670	5.61%
B	Wells Fargo Advisors Special Custody Acct for the Exclusive Benefit of Customer 2801 Market St. Saint Louis, MO 63103-2523	594,257	23.35%
B	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	292,964	11.51%
B	National Financial Services LLC For The Exclusive Benefit Of Our Customers 499 Washington Blvd Attn: Mutual Funds Dept 4th Fl. Jersey City, NJ 07310-2010	162,290	6.38%
C	Wells Fargo Advisors Special Custody Acct for the Exclusive Benefit of Customer 2801 Market St. Saint Louis, MO 63103-2523	894,783	12.62%
C	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	769,699	10.85%
C	National Financial Services LLC For The Exclusive Benefit Of Our Customers 499 Washington Blvd Attn: Mutual Funds Dept 4th Fl. Jersey City, NJ 07310-2010	609,461	8.59%
C	MLPF&S For The Sole Benefit Of Its Customers Attn: Fund Administration 4800 Deer Lake Dr., E., FL 3 Jacksonville, FL 32246-6484	434,964	6.13%
C	UBS Wealth Management USA Omni Account M/F Attn: Department Manager 1000 Harbor Blvd Weehawken, NJ 07086-6761	382,390	5.39%
M	DCGT as TTEE and /or CUST FBO Principal Financial Group Qualified FIA Omnibus Attn: NPIO Trade Desk 711 High St. Des Moines, IA 50392-0001	205,608	7.35%
R	State Street Bank TTEE Cust FBO ADP Access 1 Lincoln St. Boston, MA 02111-2901	551,299	35.71%
R	Great-West Life & Annuity Fascore, LLC 8515 E. Orchard Rd, #2T2 Greenwood Village, CO 80111-5002	97,927	6.34%

Class	Shareholder Name and Address	Holdings	Percentage Owned
R****	Great-West Trust Company LLC — Employee Benefits Clients 401K	202,102	13.09%
Y	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	9,142,491	32.82%
Y	Tufts Assoc HMO 705 Mount Auburn St. Watertown, MA 02472-1508	4,728,532	16.97%
Y	Charles Schwab & Co., Inc. 101 Montgomery St. San Francisco, CA 94104-4151	1,761,675	6.32%
Y	Network Health, LLC 705 Mount Auburn St. Watertown, MA 02472-1508	1,545,664	5.55%
Putnam Income Fund			
A	National Financial Services, LLC One World Financial Center New York, NY 10281	9,455,375	8.74%
A	Pershing, LLC 1Pershing Plaza Jersey City, NJ 07399-0001	7,124,647	6.59%
A	Merrill, Lynch, Pierce, Fenner & Smith Inc. 4800 Deer Lake Dr E FL 3 Jacksonville, FL 32246-6484	6,569,994	6.08%
A	Edward D Jones & Co. 201 Progress Pkwy Maryland Heights, MO 63043-3009	6,195,051	5.73%
A	Wells Fargo Advisors 2801 Market St. Saint Louis, MO 63103-2523	5,513,214	5.10%
B	Wells Fargo Advisors 2801 Market St. Saint Louis, MO 63103-2523	1,164,860	23.31%
B	Merrill, Lynch, Pierce, Fenner & Smith Inc. 4800 Deer Lake Dr. E FL 3 Jacksonville, FL 32246-6484	631,809	12.65%
B	National Financial Services, LLC One World Financial Center New York, NY 10281	476,914	9.55%
B	Pershing, LLC 1Pershing Plaza Jersey City, NJ 07399-0001	435,974	8.73%
C	Merrill, Lynch, Pierce, Fenner & Smith Inc. Attn: Fund Administration 4800 Deer Lake Dr. E FL 3 Jacksonville, FL 32246-6484	4,300,374	22.55%
C	Wells Fargo Advisors 2801 Market St. Saint Louis, MO 63103-2523	2,647,732	13.88%
C	Pershing, LLC 1Pershing Plaza Jersey City, NJ 07399-0001	2,210,869	11.59%
C	National Financial Services, LLC 499 Washington Blvd. Jersey City, NJ 07310	1,564,279	8.20%
C	Raymond James Attn: Courtney Waller 880 Carillon Pkwy St. Petersburg, FL 33716-1100	1,030,642	5.40%
C	Morgan Stanley Smith Barney Harborside Financial Center Plaza 2, 3rd Floor Jersey City, NJ 07311	1,180,945	6.19%
C	UBS WM USA 1000 Harbor Blvd Weehawken, NJ 07086-6761	1,057,816	5.55%

Class	Shareholder Name and Address	Holdings	Percentage Owned
Putnam Income Fund (cont.)			
M	Mizuho Securities Co., Ltd. Product Development Dept. Operations & Administration Office JA Bldg. 1-3-1, Otemachi Chiyoda-Ku, Tokyo, 100-6825 Japan	16,613,600	90.32%
R	Merrill, Lynch, Pierce, Fenner & Smith Inc. Attn: Fund Administration 4800 Deer Lake Dr. E FL 3 Jacksonville, FL 32246-6484	94,602	8.90%
R	Hartford Life Insurance Attn: UIT Operations 1 Griffin Rd N Windsor, CT 06095-1512	65,857	6.20%
R5	Putnam LLC One Post Office Square Boston, MA 02109	1,467	100.00%
R6	Putnam LLC One Post Office Square Boston, MA 02109	784,711	99.81%
Y	Merrill, Lynch, Pierce, Fenner & Smith Inc. Attn: Fund Administration 4800 Deer Lake Dr. E FL 3 Jacksonville, FL 32246-6484	3,991,684	19.72%
Y	Morgan Stanley Smith Barney Harborside Financial Center Plaza 2, 3rd Floor Jersey City, NJ 07311	3,819,128	18.87%
Y	Pershing, LLC 1Pershing Plaza Jersey City, NJ 07399-0001	1,648,312	8.14%
Y	Wells Fargo Advisors 2801 Market St. Saint Louis, MO 63103-2523	2,094,948	10.35%
Y	National Financial Services, LLC 499 Washington Blvd Jersey City, NJ 07310-2010	1,344,233	6.64%
Y**	Great-West Trust Company, LLC – Recordkeeping for various benefit plans	1,343,672	6.64%

Putnam Intermediate-Term Municipal Income Fund

A	Putnam Investments Holdings, LLC One Post Office Square Boston, MA 02109	999,874	88.23%
B	Putnam Investments Holdings, LLC One Post Office Square Boston, MA 02109	1,001	100.00%
C	Putnam Investments Holdings, LLC One Post Office Square Boston, MA 02109	1,001	100.00%
M	Putnam Investments Holdings, LLC One Post Office Square Boston, MA 02109	1,003	100.00%
Y	Jameson A. Baxter & Reginald R. Baxter 626 Old Barn Rd. LK Barrington, IL 60010-6203	2,482	35.82%
Y	George Putnam, III 49 Union St. Manchester, MA 01944-1561	1,191	17.19%
Y	Putnam Investments Holdings, LLC One Post Office Square Boston, MA 02109	1,005	14.50%
Y	Andra S. Bolotin & Steven J. Bolotin 7C Donnell St. Cambridge, MA 02138	1,001	14.44%

Putnam International Capital Opportunities Fund

A	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	2,033,303	12.52%
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Class	Shareholder Name and Address	Holdings	Percentage Owned
A	National Financial Services LLC For the Exclusive Benefit of our Customers 200 Liberty Street, 5th Fl. One World Financial Center New York, NY 10281-5503	1,365,714	8.41%
A	Wells Fargo Advisors Special Custody Account for the Exclusive Benefit of Customer 2801 Market St. Saint Louis, MO 63103-2523	1,014,383	6.25%
B	Wells Fargo Advisors Special Custody Account for the Exclusive Benefit of Customer 2801 Market St. Saint Louis, MO 63103-2523	29,768	5.82%
B	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	30,684	6.00%
C	Wells Fargo Advisors Special Custody Account for the Exclusive Benefit of Customer 2801 Market St. Saint Louis, MO 63103-2523	179,948	16.34%
C	Morgan Stanley Smith Barney Harborside Financial Center Plaza 2, 3rd Floor Jersey City, NJ 07311	155,453	14.11%
C	MLPF&S for the Sole Benefit of Its Customers Attn: Fund Administration 4800 Deer Lake Dr. E FL 3 Jacksonville, FL 32246-6484	105,535	9.58%
C	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	91,321	8.29%
C	National Financial Services LLC For the Exclusive Benefit of our Customers 200 Liberty Street, 5th Fl. One World Financial Center New York, NY 10281-5503	74,808	6.79%
M	National Financial Services LLC For the Exclusive Benefit of our Customers 200 Liberty Street, 5th Fl. One World Financial Center New York, NY 10281-5503	23,786	11.13%
M	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	16,034	7.50%
R	Hartford Life Insurance Co. DC III Separate Acct R Attn: UIT Operations 1 Griffin Rd. N. Windsor, CT 06095-1512	242,366	21.87%
R	State Street Bank Ttee Cust FBO ADP Access 1 Lincoln St. Boston, MA 02111-2901	218,282	19.70%
R****	Great West Life & Annuity-Fascore, LLC	233,435	21.06%
Y	Wells Fargo Advisors Special Custody Account for the Exclusive Benefit of Customer 2801 Market St. Saint Louis, MO 63103-2523	363,599	10.57%
Y	Charles Schwab & Co Inc. Clearing Account for the Exclusive Benefit of Their Customers 101 Montgomery St. San Francisco, CA 94104-4151	284,647	8.28%

Class	Shareholder Name and Address	Holdings	Percentage Owned
Putnam International Capital Opportunities Fund (cont.)			
Y	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	212,881	6.19%
Y****	Great-West Trust Company, LLC — The Putnam Retirement Plan	439,187	12.77%
Y****	Great-West Trust Company, LLC — Recordkeeping for various benefit plans	347,011	10.09%
Putnam International Equity Fund			
A	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	3,463,800	9.01%
A	Wells Fargo Advisors 2801 Market St. St. Louis, MO 63103-2523	2,893,663	7.52%
A	National Financial Services, LLC 499 Washington Blvd Jersey City, NJ 07310-2010	2,511,650	6.53%
A	MLPF&S 4800 Deer Lake Dr., E., FL 3 Jacksonville, FL 32246-6484	1,976,645	5.14%
B	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	84,716	7.97%
C	MLPF&S 4800 Deer Lake Dr., E., FL 3 Jacksonville, FL 32246-6484	406,208	15.24%
C	Morgan Stanley Smith Barney Harborside Financial Center Plaza 2, 3rd Floor Jersey City, NJ 07311	350,163	13.13%
C	Wells Fargo Advisors 2801 Market St. St. Louis, MO 63103-2523	309,608	11.61%
C	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	219,487	8.23%
C	UBS WM USA 1000 Harbor Blvd Weehawken, NJ 07086-6761	186,927	7.01%
C	National Financial Services, LLC 499 Washington Blvd Jersey City, NJ 07310-2010	183,266	6.87%
M	MLPF&S 4800 Deer Lake Dr., E., FL 3 Jacksonville, FL 32246-6484	81,910	10.29%
M	Wells Fargo Advisors 2801 Market St. St. Louis, MO 63103-2523	58,041	7.29%
M	Morgan Stanley Smith Barney Harborside Financial Center Plaza 2, 3rd Floor Jersey City, NJ 07311	42,561	5.35%
M	Mercer Trust Company CKS Packaging, Inc. 401K Plan 1 Investors Way Norwood, MA 02062-1599	39,771	5.00%
R	MG Trust Company Trustee Federal Steel & Erection Company 717 17th St., Ste. 1300 Denver, CO 80202-3304	13,301	9.52%
R	Reliance Trust Company FBO American Dawn PO Box 48529 Atlanta, GA 30362-1529	12,471	8.92%
R5	Putnam, LLC One Post Office Square Boston, MA 02109	590	100.00%

Class	Shareholder Name and Address	Holdings	Percentage Owned
R6	Great-West Trust Company, LLC — The Putnam Retirement Plan 8515 E. Orchard St., #2T2 Greenwood Village, CO 80111-5002	670,745	99.91%
Y	Wells Fargo Bank FBO — Tetra Tech Inc. 1525 West WT Harris Blvd Charlotte, NC 28288—1076	903,574	34.95%
Y	Great-West Trust Company, LLC — Recordkeeping for various benefit plans 8515 E. Orchard St., #2T2 Greenwood Village, CO 80111-5002	593,149	22.94%
Y	Wells Fargo Advisors Special Custody Account for the Exclusive Benefit of Customer 2801 Market St. St. Louis, MO 63103-2523	390,605	15.11%
Y	Merrill Lynch 4800 Deer Lake Dr., E., FL 3 Jacksonville, FL 32246-6484	135,306	5.23%
Putnam International Growth Fund			
A	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	1,218,375	7.14%
A	Wells Fargo Advisors Special Custody Acct for the Exclusive Benefit of Customer 2801 Market St. Saint Louis, MO 63103-2523	1,144,340	6.71%
A	MLPF&S For The Sole Benefit Of Its Customers Attn: Fund Administration 4800 Deer Lake Dr., E., FL 3 Jacksonville, FL 32246-6484	954,968	5.60%
A	National Financial Services LLC For The Exclusive Benefit Of Our Customers 499 Washington Blvd Attn: Mutual Funds Dept 4th Fl. Jersey City, NJ 07310-2010	921,699	5.40%
B	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	27,483	5.78%
B	Wells Fargo Advisors Special Custody Acct for the Exclusive Benefit of Customer 2801 Market St. Saint Louis, MO 63103-2523	28,888	6.08%
C	MLPF&S For The Sole Benefit Of Its Customers Attn: Fund Administration 4800 Deer Lake Dr., E., FL 3 Jacksonville, FL 32246-6484	65,813	12.89%
C	Morgan Stanley Smith Barney Harborside Financial Center Plaza 2, 3rd Floor Jersey City, NJ 07311	42,288	8.28%
C	Wells Fargo Advisors Special Custody Acct for the Exclusive Benefit of Customer 2801 Market St. Saint Louis, MO 63103-2523	42,986	8.42%
C	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	39,912	7.82%
C	National Financial Services LLC For The Exclusive Benefit Of Our Customers 499 Washington Blvd Attn: Mutual Funds Dept 4th Fl. Jersey City, NJ 07310-2010	32,070	6.28%

Class	Shareholder Name and Address	Holdings	Percentage Owned
Putnam International Growth Fund (cont.)			
M	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	29,894	8.04%
M	Wells Fargo Advisors Special Custody Acct for the Exclusive Benefit of Customer 2801 Market St. Saint Louis, MO 63103-2523	20,991	5.64%
M	MLPF&S For The Sole Benefit Of Its Customers Attn: Fund Administration 4800 Deer Lake Dr., E., FL 3 Jacksonville, FL 32246-6484	23,162	6.23%
M	Edward D. Jones & Co. Attn: Mutual Fund Shareholder Accounting 201 Progress Pkwy Maryland Hts, MO 63043-3009	21,796	5.86%
R	Capital Bank & Trust Co. Geddes & Co. Pension Plan 8515 E. Orchard Rd. 2T2 Greenwood Vlg, CO 80111-5002	15,799	11.75%
R	MLPF&S For The Sole Benefit Of Its Customers Attn: Fund Administration 4800 Deer Lake Dr., E., FL 3 Jacksonville, FL 32246-6484	14,585	10.85%
R	MG Trust Company Miller Brothers Inc 401(K) Sav 700 17th St., Ste. 300 Denver, CO 80202-3531	10,099	7.51%
R	MG Trust Company DTI Integrated Business Solution 700 17th St., Ste. 300 Denver, CO 80202-3531	7,626	5.67%
R	MG Trust Company M&M Pediatrics P.C. 717 17th St. Ste. 1300 Denver, CO 80202-3304	9,086	6.76%
Y	Merrill Lynch 4800 Deer Lake Dr. E. FL 3 Jacksonville, FL 32246-6484	154,601	14.51%
Y**	Great-West Trust Company, LLC — The Putnam Retirement Plan	608,355	57.08%

Putnam International Value Fund

A	Edward D. Jones & Co. Attn: Mutual Fund Shareholder Accounting 201 Progress Pkwy Maryland Hts., MO 63043-3009	2,759,187	16.50%
A	Pershing, LLC 1 Pershing Plz Jersey City, NJ 07399-0001	1,210,818	7.24%
A	Wells Fargo Advisors Special Custody Acct For The Exclusive Benefit Of Customer 2801 Market St. Saint Louis, MO 63103-2523	878,021	5.25%
B	Edward D. Jones & Co. Attn: Mutual Fund Shareholder Accounting 201 Progress Pkwy Maryland Hts., MO 63043-3009	74,879	10.42%
B	Pershing, LLC 1 Pershing Plz Jersey City, NJ 07399-0001	37,813	5.26%
C	MLPF&S for the Sole Benefit of Its Customers Attn. Fund Administration 4800 Deer Lake Dr. E FL 3 Jacksonville, FL 32246-6484	105,222	12.51%

Class	Shareholder Name and Address	Holdings	Percentage Owned
C	Morgan Stanley Smith Barney Harborside Financial Center Plaza 2, 3rd Floor Jersey City, NJ 07311	67,937	8.08%
C	Pershing, LLC 1 Pershing Plz Jersey City, NJ 07399-0001	52,127	6.20%
C	National Financial Services, LLC for the Exclusive Benefit of Our Customers 200 Liberty Street, 5th Fl One World Financial Center New York, NY 10281-5503	45,903	5.46%
M	Edward D. Jones & Co. Attn: Mutual Fund Shareholder Accounting 201 Progress Pkwy Maryland Hts., MO 63043-3009	37,983	11.99%
M	LPL Financial 9785 Towne Centre Dr. San Diego CA 92121-1968	17,416	5.50%
R	MLPF&S for the Sole Benefit of Its Customers Attn. Fund Administration 4800 Deer Lake Dr. E FL 3 Jacksonville, FL 32246-6484	23,155	9.95%
R	MG Trust Company Cust FBO Merit Contracting Inc. 700 17th St. Ste 300 Denver, CO 80202-3531	17,713	7.61%
Y	Great-West Trust Company, LLC — The Putnam Retirement Plan 8515 E Orchard Rd. 2T2 Greenwood Village, CO 80111-5002	351,523	51.94%
Y	Wells Fargo Advisors Special Custody Acct for the Exclusive Benefit of Customer 2801 Market St. Saint Louis, MO 63103-2523	53,912	7.97%
Y	MLPF&S for the Sole Benefit of Its Customers Attn. Fund Administration 4800 Deer Lake Dr. E FL 3 Jacksonville, FL 32246-6484	43,237	6.39%

Putnam Investors Fund

A	Pershing, LLC 1 Pershing Plz Jersey City, NJ 07399-0001	5,373,865	7.02%
A	Wells Fargo Advisors Special Custody Acct For The Exclusive Benefit of Customers 2801 Market St. Saint Louis, MO 63103-2523	4,944,030	6.46%
A	National Financial Services LLC For the Exclusive Benefit of Our Customers 200 Liberty Street 5th Fl One World Financial Center New York, NY 10281	3,943,858	5.16%
C	Pershing, LLC 1 Pershing Plz Jersey City, NJ 07399-0001	222,440	11.00%
C	Wells Fargo Advisors Special Custody Acct For The Exclusive Benefit of Customers 2801 Market St. Saint Louis, MO 63103-2523	137,720	6.81%
C	National Financial Services LLC For the Exclusive Benefit of Our Customers 200 Liberty Street 5th Fl One World Financial Center New York, NY 10281	146,264	7.23%

Class	Shareholder Name and Address	Holdings	Percentage Owned
Putnam Investors Fund (cont.)			
C	Merrill Lynch For the Sole Benefit of its Customers Attn Fund Administration 4800 Deer Lake Drive, E FL 3 Jacksonville, FL 32246-6484	114,956	5.68%
C	UBS WM USA Omni Account M/F Atn: Department Manager 1000 Harbor Blvd Weehawken, NJ 07086-6761	112,977	5/59%
M*	CKS Packaging Inc. 401K Plan	178,472	14.41%
R	ING National Trust Agent 1 Orange Way Windsor, CT 06095-4773	40,767	24.61%
R	Hartford Life Insurance Co. DC III Separate Acct R Attn UIT Operations 1 Griffin Rd N Windsor, CT 06095-1512	27,999	16.90%
R	MG Trust Company Robert Sorrentino, DMD 401(K) P/S P 700 17th St. Ste 300 Denver, CO 80202-3531	10,782	6.51%
R	Frontier Trust Company D. Burke Mechanical Corp 401k PO Box 10758 Fargo, ND 58106-0758	9,423	5.69%
R5	Putnam LLC One Post Office Square Boston, MA 02109	724	100.00%
R6	Putnam LLC One Post Office Square Boston, MA 02109	749,386	99.90%
Y	Raymond James Omnibus for Mutual Funds House Acct Firm 92500015 Attn: Courtney Waller 880 Carillon Pkwy St. Petersburg, FL 33716-1100	1,038,284	37.25%
Putnam Low Volatility Equity Fund			
A	Putnam Investment Holdings, LLC One Post Office Square Boston, MA 02109	296,000	75.08%
A	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	61,170	15.52%
B	RBD Capital Markets, LLC 510 Marquette Ave S Minneapolis, MN 55402-1110	3,805	36.58%
B	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	2,157	20.74%
B	Putnam Investment Holdings, LLC One Post Office Square Boston, MA 02109	1,000	9.61%
B	Anthony J. Sciuto & Marguerite A. Sciuto 234 Summer St. Haverhill, MA 01830-6318	966	9.29%
B	LPL Financial 9785 Towne Centre Dr. San Diego, CA 92121-1968	939	9.02%
C	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	40,068	90.39%
M	Putnam Investment Holdings, LLC One Post Office Square Boston, MA 02109	1,000	50.64%
M	Kathie A. Rhorer & Karen Hattabaugh PO Box 1332 Bedford, IN 47421-1332	975	49.36%

Class	Shareholder Name and Address	Holdings	Percentage Owned
Y	MCWOOD & CO PO Box 29522 Raleigh, NC 27626-0522	1,020,162	43.31%
Y	Wells Fargo Bank NA FBO SGHS Operating Acct PO Box 1533 Minneapolis, MN 55480-1533	876,524	37.21%
Y	SEI PRIVATE TRCO C/O State Street Bank 1 Freedom Valley Dr. Oaks, PA 19456-9989	348,524	14.80%
Putnam Massachusetts Tax Exempt Income Fund			
A	National Financial Services, LLC for the Exclusive Benefit of Our Customers 499 Washington Blvd. Attn: Mutual Funds Dept 4th Fl Jersey City, NJ 07310-2010	4,070,656.946	13.79%
A	UBS Wealth Management USA 000 11011 6100 Omni Account M/F Attn: Department Manager 1000 Harbor Blvd. Weehawken, NJ 07086-6761	2,598,544.322	8.80%
A	MLPF&S for the Sole Benefit of its Customers 4800 Deer Lake Dr. E FL 3 Jacksonville, FL 32246-6484	2,547,210.620	8.63%
A	Pershing LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	2,322,115.630	7.87%
A	Wells Fargo Advisors Special Custody Acct for the Exclusive Benefit of Customer 2801 Market St. Saint Louis, MO 63103-2523	1,844,035.347	6.25%
A	Morgan Stanley Smith Barney Harborside Financial Center Plaza 2, 3rd Floor Jersey City, NJ 07311	1,668,139.292	5.65%
B	RBC Capital Markets, LLC Mutual Fund Omnibus Processing Attn: Mutual Fund Ops Manager 510 Marquette Ave S Minneapolis, MN 55402-1110	66,184.324	17.28%
B	Pershing LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	41,309.616	10.79%
B	MLPF&S for the Sole Benefit of its Customers 4800 Deer Lake Dr. E FL 3 Jacksonville, FL 32246-6484	32,520.179	8.49%
B	National Financial Services, LLC for the Exclusive Benefit of Our Customers 499 Washington Blvd. Attn: Mutual Funds Dept 4th Fl Jersey City, NJ 07310-2010	23,695.017	6.19%
C	MLPF&S for the Sole Benefit of its Customers 4800 Deer Lake Dr. E FL 3 Jacksonville, FL 32246-6484	946,373.843	25.08%
C	National Financial Services, LLC for the Exclusive Benefit of Our Customers 499 Washington Blvd. Attn: Mutual Funds Dept 4th Fl Jersey City, NJ 07310-2010	562,297.053	14.90%
C	Pershing LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	349,374.179	9.26%

Class	Shareholder Name and Address	Holdings	Percentage Owned
Putnam Massachusetts Tax Exempt Income Fund (cont.)			
C	Morgan Stanley Smith Barney Harborside Financial Center Plaza 2, 3rd Floor Jersey City, NJ 07311	285,148.865	7.56%
M	National Financial Services, LLC for the Exclusive Benefit of Our Customers 499 Washington Blvd. Attn: Mutual Funds Dept 4th Fl Jersey City, NJ 07310-2010	112,432.204	30.97%
M	SEI Private Trust Company For the Benefit of Mellon Bank ID 225 1 Freedom Valley Dr. Oaks, PA 19456-9989	79,742.765	21.97%
M	Pershing LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	55,332.307	15.24%
M	MLPF&S for the Sole Benefit of its Customers 4800 Deer Lake Dr. E FL 3 Jacksonville, FL 32246-6484	32,052.241	8.83%
Y	National Financial Services, LLC for the Exclusive Benefit of Our Customers 499 Washington Blvd. Attn: Mutual Funds Dept 4th Fl Jersey City, NJ 07310-2010	1,304,422.368	50.24%
Y	MLPF&S for the Sole Benefit of its Customers 4800 Deer Lake Dr. E FL 3 Jacksonville, FL 32246-6484	427,495.621	16.47%
Y	Morgan Stanley Smith Barney Harborside Financial Center Plaza 2, 3rd Floor Jersey City, NJ 07311	166,882.455	6.43%
Y	Wells Fargo Advisors Special Custody Acct for the Exclusive Benefit of Customer 2801 Market St. Saint Louis, MO 63103-2523	145,595.866	5.61%
Y	Pershing LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	134,770.869	5.19%
Y	Charles Schwab & Co. Inc Clearing Account for the Exclusive Benefit of Their Customers 101 Montgomery St. San Francisco, CA 94104-4151	131,486.415	5.06%

Putnam Michigan Tax Exempt Income Fund

A	Edward D Jones & Co For the Benefit of Customers 12555 Manchester Rd. Saint Louis, MO 63131-3729	1,035,998.306	13.53%
A	Raymond James & Assoc Inc Attn: Courtney Waller 880 Carillon Pkwy St. Petersburg, FL 33716-1100	683,979.975	8.93%
A	Pershing LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	670,162.875	8.75%
A	Wells Fargo Advisors Special Custody Acct for the Exclusive Benefit of Customer 2801 Market St. Saint Louis, MO 63103-2523	585,426.840	7.65%
B	MLPF&S for the Sole Benefit of its Customers 4800 Deer Lake Dr. E FL 3 Jacksonville, FL 32246-6484	62,350.143	35.45%

Class	Shareholder Name and Address	Holdings	Percentage Owned
B	Wells Fargo Advisors Special Custody Acct for the Exclusive Benefit of Customer 2801 Market St. Saint Louis, MO 63103-2523	37,070.070	21.08%
B	Oppenheimer & Co Inc. FBO Harry Bush and Isabele Bush Co-Ttees Bush Family Rev Trust 628 6th St. Wyandotte, MI 48192-2636	9,636.089	5.48%
C	Pershing LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	55,740.808	27.28%
C	Raymond James & Assoc Inc Attn: Courtney Waller 880 Carillon Pkwy St. Petersburg, FL 33716-1100	28,773.912	14.08%
C	Morgan Stanley Smith Barney Harborside Financial Center Plaza 2, 3rd Floor Jersey City, NJ 07311	19,713.197	9.65%
C	UBS Wealth Management USA 000 11011 6100 Omni Account M/F Attn: Department Manager 1000 Harbor Blvd. Weehawken, NJ 07086-6761	15,419.586	7.55%
C	MLPF&S for the Sole Benefit of its Customers 4800 Deer Lake Dr. E FL 3 Jacksonville, FL 32246-6484	13,483.684	6.60%
M	Edward D Jones & Co For the Benefit of Customers 12555 Manchester Rd. Saint Louis, MO 63131-3729	8,900.081	39.57%
M	Wells Fargo Advisors Special Custody Acct for the Exclusive Benefit of Customer 2801 Market St. Saint Louis, MO 63103-2523	7,914.347	35.18%
M	Betty Pobuda & Robert E Pobuda JTWROS 29642 Heritage Ln Paw Paw, MI 49079-8413	2,108.774	9.37%
M	Putnam, LLC One Post Office Square Boston, MA 02109	1,832.408	8.15%
M	Cetera Investment Svcs. (FBO)Raymond Brown 18830914 400 first Street So Suite 300 P.O. Box 283 St. Cloud, MN 56302-0283	1,543.842	6.86%
Y	Pershing LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	63,237.536	34.17%
Y	MLPF&S for the Sole Benefit of its Customers 4800 Deer Lake Dr. E FL 3 Jacksonville, FL 32246-6484	34,152.689	18.45%
Y	Wells Fargo Advisors Special Custody Acct for the Exclusive Benefit of Customer 2801 Market St. Saint Louis, MO 63103-2523	31,362.117	16.94%
Y	Morgan Stanley Smith Barney Harborside Financial Center Plaza 2, 3rd Floor Jersey City, NJ 07311	23,037.394	12.45%

Class	Shareholder Name and Address	Holdings	Percentage Owned
Putnam Michigan Tax Exempt Income Fund (cont.)			
Y	LPL Financial Omnibus Customer Account Attn: Lindsay O'Toole 9785 Towne Centre Dr. San Diego, CA 92121-1968	16,688.344	9.02%
Putnam Minnesota Tax Exempt Income Fund			
A	Edward D Jones & Co For the Benefit of Customers 12555 Manchester Rd. Saint Louis, MO 63131-3729	1,361,325.681	13.92%
A	Pershing LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	1,000,246.242	10.23%
B	Charles Schwab & Co. Inc Clearing Account for the Exclusive Benefit of Their Customers 101 Montgomery St. San Francisco, CA 94104-4151	46,147.642	30.17%
B	Pershing LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	36,134.413	23.62%
B	Wells Fargo Advisors Special Custody Acct for the Exclusive Benefit of Customer 2801 Market St. Saint Louis, MO 63103-2523	9,647.715	6.31%
B	Edward D Jones & Co For the Benefit of Customers 12555 Manchester Rd. Saint Louis, MO 63131-3729	9,381.819	6.13%
C	Pershing LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	509,500.204	27.22%
C	Wells Fargo Advisors Special Custody Acct for the Exclusive Benefit of Customer 2801 Market St. Saint Louis, MO 63103-2523	252,045.896	13.47%
M	Stifel Nicolaus & Co Inc Richard E & Charlotte A Wuttke Charlotte A Wuttke, Bruce Wuttke 501 North Broadway St. Louis, MO 63102-2188	10,528.849	17.35%
M	Ann P Gustin & John M Gustin, Ttees Gustin Revocable Living Trust U/D/T 03/18/2003 3061 Woodlark Ln. Eagan, MN 55121-1916	7,716.599	12.71%
M	Scott K Biesanz Ttee Scott K Biesanz Rev Trust U/A Dtd 01/12/2005 724 Washington St. Winona, MN 55987-3350	5,756.232	9.48%
M	National Financial Services, LLC for the Exclusive Benefit of Our Customers 499 Washington Blvd. Attn: Mutual Funds Dept 4th Fl Jersey City, NJ 07310-2010	5,740.700	9.46%
M	Morgan Stanley Smith Barney Harborside Financial Center Plaza 2, 3rd Floor Jersey City, NJ 07311	5,144.033	8.48%
M	LPL Financial Omnibus Customer Account Attn: Lindsay O'Toole 9785 Towne Centre Dr. San Diego, CA 92121-1968	4,740.401	7.81%
M	David P Merten & Kay M Merten JTWROS 1364 Windsor Ln Grayslake, IL 60030-3759	4,022.657	6.63%

Class	Shareholder Name and Address	Holdings	Percentage Owned
M	Edward D Jones & Co For the Benefit of Customers 12555 Manchester Rd. Saint Louis, MO 63131-3729	3,666.060	6.04%
Y	Wells Fargo Advisors Special Custody Acct for the Exclusive Benefit of Customer 2801 Market St. Saint Louis, MO 63103-2523	62,875.586	35.75%
Y	Pershing LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	57,976.179	32.96%
Y	MLPF&S for the Sole Benefit of its Customers 4800 Deer Lake Dr. E FL 3 Jacksonville, FL 32246-6484	29,481.753	16.76%
Y	LPL Financial Omnibus Customer Account Attn: Lindsay O'Toole 9785 Towne Centre Dr. San Diego, CA 92121-1968	14,799.501	8.41%
Putnam Money Market Fund			
A**	Great-West Trust Company, LLC FBO	75,229,521.664	5.75%
B	Wells Fargo Advisors 2801 Market Street Saint Louis, MO 63103	2,024,548.465	14.49%
C	Wells Fargo Advisors 2801 Market Street Saint Louis, MO 63103	1,904,618.312	7.29%
C	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	1,756,196.650	6.72%
C	Charles Schwab & Co. Inc Clearing Account for the Exclusive Benefit of Their Customers 101 Montgomery St. San Francisco, CA 94104-4151	1,704,813.980	6.52%
C	National Financial Services, LLC for the Exclusive Benefit of Our Customers 499 Washington Blvd. Attn: Mutual Funds Dept 4th Fl Jersey City, NJ 07310-2010	1,601,957.400	6.13%
M*	CKS Packaging Inc. 401k Plan	3,563,914.452	12.18%
R	Frontier TRCO FBO End Clinic Inc PO Box 10758 Fargo, ND 58106	3,563,914.452	12.18%
T**	Great-West Trust Company, LLC — Employee Benefits Clients 401(k)	11,114,347.960	52.90%
T**	Great-West Trust Company, LLC — Great West IRA Advantage	2,966,070.193	14.12%
Putnam Money Market Liquidity Fund			
P	Putnam Stable Value Intermediate Domestic Investment Grade Trust	433,549,144.000	19.57%
P	Putnam Dynamic Asset Allocation Growth Fund	192,561,737.000	8.69%
P	Putnam Absolute Return Fund	188,743,108.080	8.52%
P	Putnam Stable Value Intermediate Domestic Investment Grade Trust	181,072,521.000	8.17%
P	Putnam Capital Spectrum Fund	170,616,842.000	7.70%
P	Putnam Diversified Income Trust	166,284,163.000	7.50%
P	Putnam Total Return Trust	163,094,334.000	7.36%

Class	Shareholder Name and Address	Holdings	Percentage Owned
Putnam Money Market Liquidity Fund (cont.)			
P	Putnam Dynamic Asset Allocation Balanced Fund	143,757,002.000	6.49%
P	Putnam U.S. Government Income Trust	140,001,624.000	6.32%
Putnam Multi-Cap Core Fund			
A	Pershing LLC P.O. Box 2052 Jersey City, NJ 07303-2052	175,712.493	23.70%
A	Putnam, LLC One Post Office Square Boston, MA 02109	122,545.423	16.53%
A	LPL Financial Attn: Lindsay O'Toole 9785 Towne Center Drive San Diego, CA 92121	63,073.636	8.51%
A	Raymond James Attn: Courtney Waller 880 Carillon Parkway St. Petersburg, FL 33716-1100	46,968.118	6.33%
A	National Financial Services, LLC 499 Washington Blvd Jersey City, NJ 07310-2010	42,113.321	5.68%
B	Pershing LLC P.O. Box 2052 Jersey City, NJ 07303-2052	5,412.625	17.18%
B	Raymond James Attn: Courtney Waller 880 Carillon Parkway St. Petersburg, FL 33716-1100	3,597.809	11.42%
B	LPL Financial Attn: Lindsay O'Toole 9785 Towne Center Drive San Diego, CA 92121	2,055.501	6.53%
B	Stifel, Nicolaus & Co. Inc. Robert Miller IRA 501 N Broadway FL 8 St. Louis MO 63102-2188	1,844.130	5.85%
C	Raymond James Attn: Courtney Waller 880 Carillon Parkway St. Petersburg, FL 33716-1100	22,610.868	21.91%
C	Pershing LLC P.O. Box 2052 Jersey City, NJ 07303-2052	18,257.636	17.69%
C	LPL Financial Attn: Lindsay O'Toole 9785 Towne Center Drive San Diego, CA 92121	13,088.015	12.68%
C	Ronald Hoffman 7643 Circulo Sequoia Carlsbad CA 92009-8472	6,631.300	6.43%
C	Goldstein & Bachman PA A/C Howard A. Bachman 9 Walnut Ln. Manalapan, NJ 07726-4655	5,901.370	5.72%
M	Michael E. Griest 418 Depew St. Peekskill, NY 10566-4606	1,417.434	26.38%
M	Putnam, LLC One Post Office Square Boston, MA 02109	1,125.611	20.95%
M	Douglas Holland 2470 Lowell Mill Road Kenley, NC 27542-8354	862.129	16.05%
M	Bethany Jean Zare 1190 E. Saint James Street San Jose, CA 95116-1126	591.466	11.01%
M	Sara Mathews 10882 Wengate Ln. Blue Ash, OH 45241-2937	426.808	7.94%

Class	Shareholder Name and Address	Holdings	Percentage Owned
M	Rachel Mathews 770 Sanctuary Cove Dr. West Palm Beach, FL 33410-4521	339.996	6.33%
R	Putnam, LLC One Post Office Square Boston, MA 02109	1,128.321	100.00%
Y	Pershing LLC P.O. Box 2052 Jersey City, NJ 07303-2052	129,350.785	41.72%
Y**	Great-West Trust Company, LLC	60,057.843	19.37%
Y	Raymond James Attn: Courtney Waller 880 Carillon Parkway St. Petersburg, FL 33716-1100	41,762.702	13.47%
Y	Gerard & Gail Sullivan 22 Whitehall CIR Beverly MA 01915-2437	29,188.922	9.41%
Putnam Multi-Cap Growth Fund			
A	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	3,157,928.575	6.70%
A	Wells Fargo Advisors 2801 Market St. St. Louis, MO 63103-2523	2,828,001.858	6.00%
A	National Financial Services, LLC 499 Washington Blvd Jersey City, NJ 07310-2010	2,502,911.532	5.31%
C	Wells Fargo Advisors 2801 Market St. St. Louis, MO 63103-2523	68,496.012	7.67%
C	Morgan Stanley Smith Barney Harborside Financial Center Plaza 2, 3rd Floor Jersey City, NJ 07311	60,964.956	6.83%
C	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	53,550.841	6.00%
C	National Financial Services, LLC 499 Washington Blvd Jersey City, NJ 07310-2010	48,569.056	5.44%
C	MLPF&S 4800 Deer Lake Dr. E. FL 3 Jacksonville, FL 32246-6484	45,788.696	5.13%
M*	CKS Packaging, Inc. 401k Plan	71,929.672	8.78%
R	Capital Bank and Trust Co TTEE Mossberg Corp Employee Savings Plan 8515 E. Orchard Rd, #2T2 Greenwood Village, CO 80111-5002	18,634.957	15.56%
R	Capital Bank and Trust Co. Alcan Rolled Products / Ravenswood LLC Salaried DCP 401k c/o Plan Premier Fascorp 8515 E. Orchard Rd, #2T2 Greenwood Village, CO 80111-5002	14,222.659	11.88%
R	Capital Bank and Trust Co. HK Research Corp PSP 8515 E. Orchard Rd, #2T2 Greenwood Village, CO 80111-5002	13,347.920	11.15%
R	Reliance Trust Company FBO — American Dawn PO Box 48529 Atlanta, GA 30362-1529	9,382.806	7.84%
R	Hartford Life Insurance Co. 1 Griffin Rd N Windsor, CT 06095-1512	7,707.163	6.44%
R	ING National Trust FBO ING 1 Orange Way Windsor, CT 06095-4773	6,773.180	5.66%

Class	Shareholder Name and Address	Holdings	Percentage Owned
Putnam Multi-Cap Growth Fund (cont.)			
Y**	Great-West Trust Company, LLC – The Putnam Retirement Plan	576,808.783	27.70%
Y**	Great-West Trust Company, LLC – Recordkeeping for various benefit plans	559,605.721	26.87%
Y*	Marsh & McLennan Supplemental Retirement Plan	451,633.305	21.69%
Putnam Multi-Cap Value Fund			
A	Pershing, LLC 1 Pershing Plz Jersey City, NJ 07399-0001	1,264,626.059	7.53%
A	Edward Jones & Co for the benefit of customers 12555 Manchester Rd Saint Louis, MO 63131-3729	1,092,195.203	6.50%
A	Wells Fargo Advisors Special Custody Acct for the Exclusive Benefit of Customer 2801 Market St Saint Louis, MO 63103-2523	970,020.579	5.78%
B	Wells Fargo Advisors Special Custody Acct for the Exclusive Benefit of Customer 2801 Market St Saint Louis, MO 63103-2523	31,561.937	5.40%
C	Wells Fargo Advisors Special Custody Acct for the Exclusive Benefit of Customer 2801 Market St Saint Louis, MO 63103-2523	173,605.408	15.93%
C	Morgan Stanley Smith Barney Harborside Financial Center Plaza 2, 3rd floor	90,743.829	8.33%
C	Pershing, LLC 1 Pershing Plz Jersey City, NJ 07399-0001	57,839.874	5.31%
M*	PECO Employees 401k plan	21,608.867	9.25%
R	Hartford Life Insurance Co Attn Unit Operations 1 Griffin Rd Windsor CT 06095-1512	189,857.143	31.75%
Y**	Great-West Trust Company, LLC – The Putnam Retirement Plan	540,347.542	49.66%
Y	Wells Fargo Advisors Special Custody Acct for the Exclusive Benefit of Customer 2801 Market St Saint Louis, MO 63103-2523	80,306.691	7.38%
Y	LPL Financial Attn: Lindsay O'Toole 9785 Towne Center Drive San Diego, CA 92121	65,551.359	6.02%
Putnam New Jersey Tax Exempt Income Fund			
A	National Financial Services, LLC for the Exclusive Benefit of Our Customers 499 Washington Blvd. Attn: Mutual Funds Dept 4th Fl Jersey City, NJ 07310-2010	3,252,215.820	16.42%
A	Wells Fargo Advisors Special Custody Acct for the Exclusive Benefit of Customer 2801 Market St Saint Louis, MO 63103-2523	2,971,032.042	15.00%
A	Morgan Stanley Smith Barney Harborside Financial Center Plaza 2, 3rd Floor Jersey City, NJ 07311	1,753,846.554	8.85%
A	MLPF&S for the Sole Benefit of its Customers 4800 Deer Lake Dr. E FL 3 Jacksonville, FL 32246-6484	1,512,545.066	7.64%

Class	Shareholder Name and Address	Holdings	Percentage Owned
A	Pershing LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	1,378,822.223	6.96%
A	Charles Schwab & Co. Inc Clearing Account for the Exclusive Benefit of Their Customers 101 Montgomery St. San Francisco, CA 94104-4151	1,080,115.605	5.45%
B	Wells Fargo Advisors Special Custody Acct for the Exclusive Benefit of Customer 2801 Market St. Saint Louis, MO 63103-2523	326,930.915	52.83%
B	Pershing LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	76,263.195	12.32%
B	MLPF&S for the Sole Benefit of its Customers 4800 Deer Lake Dr. E FL 3 Jacksonville, FL 32246-6484	55,271.649	8.93%
B	National Financial Services, LLC for the Exclusive Benefit of Our Customers 499 Washington Blvd. Attn: Mutual Funds Dept 4th Fl Jersey City, NJ 07310-2010	45,152.198	7.30%
C	Wells Fargo Advisors Special Custody Acct for the Exclusive Benefit of Customer 2801 Market St. Saint Louis, MO 63103-2523	940,412.559	33.38%
C	Charles Schwab & Co. Inc Clearing Account for the Exclusive Benefit of Their Customers 101 Montgomery St. San Francisco, CA 94104-4151	390,281.552	13.85%
C	MLPF&S for the Sole Benefit of its Customers Attn: Fund Administration 4800 Deer Lake Dr. E FL 3 Jacksonville, FL 32246-6484	311,069.610	11.04%
C	Pershing LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	229,662.814	8.15%
C	Raymond James & Assoc Inc Attn: Courtney Waller 880 Carillon Pkwy St. Petersburg, FL 33716-1100	202,935.978	7.20%
C	National Financial Services, LLC for the Exclusive Benefit of Our Customers 499 Washington Blvd. Attn: Mutual Funds Dept 4th Fl Jersey City, NJ 07310-2010	184,757.092	6.56%
C	Morgan Stanley Smith Barney Harborside Financial Center Plaza 2, 3rd Floor Jersey City, NJ 07311	176,770.361	6.27%
M	Wells Fargo Advisors Special Custody Acct for the Exclusive Benefit of Customer 2801 Market St. Saint Louis, MO 63103-2523	208,280.551	63.02%
M	National Financial Services, LLC for the Exclusive Benefit of Our Customers 499 Washington Blvd. Attn: Mutual Funds Dept 4th Fl Jersey City, NJ 07310-2010	23,989.793	7.26%
M	Leonard Cavaliere & Joseph Cavaliere JTWROS 21 King George Rd. Warren, NJ 07059-7014	17,428.799	5.27%

Class	Shareholder Name and Address	Holdings	Percentage Owned
Putnam New Jersey Tax Exempt Income Fund (cont.)			
Y	MLPF&S for the Sole Benefit of its Customers Attn: Fund Administration 4800 Deer Lake Dr. E FL 3 Jacksonville, FL 32246-6484	1,107,478.830	59.47%
Y	Wells Fargo Advisors Special Custody Acct for the Exclusive Benefit of Customer 2801 Market St. Saint Louis, MO 63103-2523	429,308.030	23.05%
Y	Morgan Stanley Smith Barney Harborside Financial Center Plaza 2, 3rd Floor Jersey City, NJ 07311	245,453.642	13.18%

Putnam New York Tax Exempt Income Fund

A	Pershing LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	16,652,125.786	13.80%
A	Merrill, Lynch, Pierce, Fenner & Smith For the Sole Benefit of its Customers Attn: Fund Administration 4800 Deer Lake Drive East FL 3 Jacksonville, FL 32246-6484	12,872,804.221	10.67%
A	Morgan Stanley Smith Barney Harborside Financial Center Plaza 2, 3rd Floor Jersey City, NJ 07311	8,145,012.600	6.75%
A	Wells Fargo Advisors Special Custody Acct for the Exclusive Benefit of the Customer 2801 Market St. Saint Louis, MO 63103-2523	7,487,717.612	6.20%
B	Pershing LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	437,472.157	27.93%
B	National Financial Services, LLC For the Exclusive Benefit of Our Customers 499 Washington Blvd Attn: Mutual Funds Dept. 4th Fl Jersey City, NJ 07310-2010	188,140.281	12.01%
B	Wells Fargo Advisors Special Custody Acct for the Exclusive Benefit of the Customer 2801 Market St. Saint Louis, MO 63103-2523	186,556.515	11.91%
B	Merrill, Lynch, Pierce, Fenner & Smith For the Sole Benefit of its Customers Attn: Fund Administration 4800 Deer Lake Drive East FL 3 Jacksonville, FL 32246-6484	178,189.824	11.38%
C	Pershing LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	2,231,206.045	30.49%
C	Charles Schwab & Co Inc. Clearing Account for the Exclusive Benefit of Their Customers 101 Montgomery Street San Francisco, CA 94104-4151	968,888.129	13.24%
C	Merrill, Lynch, Pierce, Fenner & Smith For the Sole Benefit of its Customers Attn: Fund Administration 4800 Deer Lake Drive East FL 3 Jacksonville, FL 32246-6484	902,415.109	12.33%
C	LPL Financial Attn: Lindsay O'Toole 9785 Towne Center Drive San Diego, CA 92121	598,025.317	8.17%

Class	Shareholder Name and Address	Holdings	Percentage Owned
C	Wells Fargo Advisors Special Custody Acct for the Exclusive Benefit of the Customer 2801 Market St. Saint Louis, MO 63103-2523	414,788.375	5.67%
C	National Financial Services, LLC For the Exclusive Benefit of Our Customers 499 Washington Blvd Attn: Mutual Funds Dept. 4th Fl Jersey City, NJ 07310-2010	384,460.763	5.25%
M	Pershing LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	50,754.681	29.18%
M	Edward D. Jones & Co. Attn: Mutual Fund Shareholder Accounting 201 Progress Pkwy Maryland Heights, MO 63043-3009	39,703.013	22.83%
M	Paula Detiberis & Lorraine Detiberis JTWROS Multiple Beneficiaries 16136 91st St. Howard Beach, NY 11414-3424	25,749.705	14.80%
M	Elizabeth Frasca 15 Kaldenberg Pl., Apt 1 Tarrytown, NY 10591-7662	19,056.237	10.96%
M	Diane M. Mullen Dennis M. Mullen JTWROS 2684 New Scotland Rd. Voorheesville, NY 12186-5021	8,753.150	5.03%
Y	Merrill, Lynch, Pierce, Fenner & Smith For the Sole Benefit of its Customers Attn: Fund Administration 4800 Deer Lake Drive East FL 3 Jacksonville, FL 32246-6484	773,456.038	32.23%
Y	Wells Fargo Advisors Special Custody Acct for the Exclusive Benefit of the Customer 2801 Market St. Saint Louis, MO 63103-2523	568,269.387	23.68%
Y	Morgan Stanley Smith Barney Harborside Financial Center Plaza 2, 3rd Floor Jersey City, NJ 07311	372,191.815	15.51%
Y	National Financial Services, LLC For the Exclusive Benefit of Our Customers 499 Washington Blvd Attn: Mutual Funds Dept. 4th Fl Jersey City, NJ 07310-2010	206,129.888	8.59%
Y	John A Hill 33 Avon Rd. Bronxville, NY 10708-1601	186,515.222	7.77%

Putnam Ohio Tax Exempt Income Fund

A	Edward D Jones & Co For the Benefit of Customers 12555 Manchester Rd. Saint Louis, MO 63131-3729	1,567,419.684	11.22%
A	Wells Fargo Advisors Special Custody Acct for the Exclusive Benefit of Customer 2801 Market St. Saint Louis, MO 63103-2523	1,260,447.996	9.02%
A	Morgan Stanley Smith Barney Harborside Financial Center Plaza 2, 3rd Floor Jersey City, NJ 07311	1,205,187.279	8.63%

Class	Shareholder Name and Address	Holdings	Percentage Owned
Putnam Ohio Tax Exempt Income Fund (cont.)			
A	UBS Wealth Management USA 000 11011 6100 Omni Account M/F Attn: Department Manager 1000 Harbor Blvd. Weehawken, NJ 07086-6761	1,114,312.180	7.98%
A	Pershing LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	917,754.559	6.57%
A	National Financial Services, LLC for the Exclusive Benefit of Our Customers 499 Washington Blvd. Attn: Mutual Funds Dept 4th Fl Jersey City, NJ 07310-2010	759,757.839	5.44%
B	Pershing LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	91,231.337	42.52%
B	Wells Fargo Advisors Special Custody Acct for the Exclusive Benefit of Customer 2801 Market St. Saint Louis, MO 63103-2523	14,339.129	6.68%
B	LPL Financial Omnibus Customer Account Attn: Lindsay O'Toole 9785 Towne Centre Dr. San Diego, CA 92121-1968	11,285.250	5.26%
C	Pershing LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	376,378.412	27.43%
C	UBS Wealth Management USA Attn: Department Manager 1000 Harbor Blvd. Weehawken, NJ 07086-6761	226,992.809	16.54%
C	Morgan Stanley Smith Barney Harborside Financial Center Plaza 2, 3rd Floor Jersey City, NJ 07311	108,373.553	7.90%
C	MLPF&S for the Sole Benefit of its Customers Attn: Fund Administration 4800 Deer Lake Dr. E FL 3 Jacksonville, FL 32246-6484	85,796.613	6.25%
C	Charles Schwab & Co. Inc Clearing Account for the Exclusive Benefit of Their Customers 101 Montgomery St. San Francisco, CA 94104-4151	71,411.429	5.20%
M	Morgan Stanley Smith Barney Harborside Financial Center Plaza 2, 3rd Floor Jersey City, NJ 07311	26,488.048	45.75%
M	Pamela R LaulesTOD 2664 Alexandria Dr. Lima, OH 45805-2678	8,895.488	15.36%
M	Albert A Myers TOD Thelma A Myers Subject To State TOD Rules 6314 S Funk Rd. Shreve, OH 44676-9716	5,580.307	9.64%
M	Patricia J White Dalmas L White JTWROS 2076 US 68 South, Lot 36 Wilmington, OH 45177-9785	5,563.754	9.61%
Y	SEI Private Trust Company c/o First Merit ID 682 1 Freedom Valley Dr. Oaks, PA 19456-9989	248,408.810	36.95%

Class	Shareholder Name and Address	Holdings	Percentage Owned
Y	MLPF&S for the Sole Benefit of its Customers Attn: Fund Administration 4800 Deer Lake Dr. E FL 3 Jacksonville, FL 32246-6484	137,090.557	20.39%
Y	Morgan Stanley Smith Barney Harborside Financial Center Plaza 2, 3rd Floor Jersey City, NJ 07311	128,482.304	19.11%
Y	Wells Fargo Advisors Special Custody Acct for the Exclusive Benefit of Customer 2801 Market St. Saint Louis, MO 63103-2523	114,201.583	16.98%
Putnam Pennsylvania Tax Exempt Income Fund			
A	National Financial Services, LLC for the Exclusive Benefit of Our Customers 499 Washington Blvd. Attn: Mutual Funds Dept 4th Fl Jersey City, NJ 07310-2010	4,819,269.697	25.47%
A	Pershing LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	1,701,687.341	8.99%
A	Wells Fargo Advisors Special Custody Acct for the Exclusive Benefit of Customer 2801 Market St. Saint Louis, MO 63103-2523	1,613,740.197	8.53%
A	Morgan Stanley Smith Barney Harborside Financial Center Plaza 2, 3rd Floor Jersey City, NJ 07311	988,354.101	5.22%
B	National Financial Services, LLC for the Exclusive Benefit of Our Customers 499 Washington Blvd. Attn: Mutual Funds Dept 4th Fl Jersey City, NJ 07310-2010	179,666.543	27.49%
B	Wells Fargo Advisors Special Custody Acct for the Exclusive Benefit of Customer 2801 Market St. Saint Louis, MO 63103-2523	152,656.863	23.35%
B	Pershing LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	36,245.212	5.54%
C	Wells Fargo Advisors Special Custody Acct for the Exclusive Benefit of Customer 2801 Market St. Saint Louis, MO 63103-2523	525,425.356	17.02%
C	National Financial Services, LLC for the Exclusive Benefit of Our Customers 499 Washington Blvd. Attn: Mutual Funds Dept 4th Fl Jersey City, NJ 07310-2010	510,327.540	16.53%
C	LPL Financial Attn: Lindsay O'Toole 9785 Towne Centre Dr. San Diego, CA 92121-1968	433,633.937	14.05%
C	Pershing LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	271,494.335	8.79%
C	Charles Schwab & Co. Inc Clearing Account for the Exclusive Benefit of Their Customers 101 Montgomery St. San Francisco, CA 94104-4151	184,814.212	5.99%

Class	Shareholder Name and Address	Holdings	Percentage Owned
Putnam Pennsylvania Tax Exempt Income Fund (cont.)			
C	Morgan Stanley Smith Barney Harborside Financial Center Plaza 2, 3rd Floor Jersey City, NJ 07311	159,097.714	5.15%
M	John J Handley & Joyce A Handley Ten In Comm 495 Lake Louise Rd. Dallas, PA 18612-6063	125,952.679	27.65%
M	Pershing LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	73,991.511	16.24%
M	LPL Financial Attn: Lindsay O'Toole 9785 Towne Centre Dr. San Diego, CA 92121-1968	27,130.126	5.95%
M	Michael Steinkirchner & Maury Steinkirchner JTWROS 445 Turtle Ln Langhorne, PA 19047-3161	23,834.657	5.23%
Y	Wells Fargo Advisors Special Custody Acct for the Exclusive Benefit of Customer 2801 Market St. Saint Louis, MO 63103-2523	125,952.679	27.65%
Y	RBC Capital Markets, LLC Attn: Mutual Fund Ops Manager 510 Marquette Ave S Minneapolis, MN 55402-1110	73,991.511	16.24%
Y	LPL Financial Attn: Lindsay O'Toole 9785 Towne Centre Dr. San Diego, CA 92121-1968	27,130.126	5.95%
Y	Morgan Stanley Smith Barney Harborside Financial Center Plaza 2, 3rd Floor Jersey City, NJ 07311	23,834.657	5.23%
Y	Pershing LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	125,952.679	27.65%
Y	National Financial Services, LLC for the Exclusive Benefit of Our Customers 499 Washington Blvd. Attn: Mutual Funds Dept 4th Fl Jersey City, NJ 07310-2010	73,991.511	16.24%
Putnam Research Fund			
A	Wells Fargo Advisors Special Custody Acct for the Exclusive Benefit of Customer 2801 Market St. Saint Louis, MO 63103-2523	674,834.844	6.96%
A	Pershing LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	633,875.714	6.54%
B	Wells Fargo Advisors Special Custody Acct for the Exclusive Benefit of Customer 2801 Market St. Saint Louis, MO 63103-2523	28,931.446	5.62%
C	Wells Fargo Advisors Special Custody Acct for the Exclusive Benefit of Customer 2801 Market St. Saint Louis, MO 63103-2523	95,872.292	15.05%
C	Pershing LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	42,899.973	6.74%
C	MLPF&S for the Sole Benefit of its Customers Attn: Fund Administration 4800 Deer Lake Dr. E FL 3 Jacksonville, FL 32246-6484	32,118.547	5.04%

Class	Shareholder Name and Address	Holdings	Percentage Owned
M	Wells Fargo Advisors Special Custody Acct for the Exclusive Benefit of Customer 2801 Market St. Saint Louis, MO 63103-2523	15,292.646	7.62%
R	MG Trust Company Cust Atlantic Technical Services 700 17th St., Ste. 300 Denver, CO 80202-3531	2,702.008	27.18%
R	MG Trust Company Cust Federal Steel & Erection Company 700 17th St., Ste. 300 Denver, CO 80202-3531	1,299.183	13.07%
R	MG Trust Company Cust Tua Sales Inc. 700 17th St., Ste. 300 Denver, CO 80202-3531	1,137.267	11.44%
R	MG Trust Company Cust Wyde Corp 700 17th St., Ste. 300 Denver, CO 80202-3531	1,101.625	11.08%
R	MG Trust Company Cust Pinemore Camp Association 700 17th St., Ste. 300 Denver, CO 80202-3531	650.433	6.54%
R	MG Trust Company Cust Valley Adjusting Service Inc. 700 17th St., Ste. 300 Denver, CO 80202-3531	633.005	6.37%
Y**	Great-West Trust Company, LLC – The Putnam Retirement Plan	246,986.366	44.98%
Y	Wells Fargo Advisors Special Custody Acct for the Exclusive Benefit of Customer 2801 Market St. Saint Louis, MO 63103-2523	191,230.000	34.83%
Putnam RetirementReady 2055 Fund			
A	Jason Kalish 118 Grove Street Apt 4 Stamford, CT 06901	16,294.592	34.63%
A**	Great-West Trust Company, Recordkeeper for various benefit plans	9,072.392	19.28%
A	Ryan Bagley 205 Pinehurst Ave #2A New York, NY 10033	5,361.488	11.39%
A*	Western Federal Credit Union	3,519.687	7.48%
B	Sarah Murphy 29 Alton Ave Cumberland, RI 02864	1,159.821	47.49%
B	Putnam LLC One Post Office Square Boston, MA 02109	1,127.889	46.18%
C	Systematic Asian Leadership A/C Nathan Clifton PO Box 38405 Charlotte, NC 28272	1,708.259	25.18%
C	Putnam LLC One Post Office Square Boston, MA 02109	1,135.445	16.74%
C	Dennis Mos & Denise Mos Comm PROP 2912 Field Ct San Diego, CA 92110	1,033.734	15.24%
C	Leroy Cusd A/C Elizabeth Conn 207 Marsh Hawk Dr Le Ray, IL 61752	944.863	13.93%
C	Shannon McLoughlin Daley 106 Glen Ave Millburn, NJ 07041	668.211	9.85%

Class	Shareholder Name and Address	Holdings	Percentage Owned
Putnam RetirementReady 2055 Fund (cont.)			
M	Putnam LLC One Post Office Square Boston, MA 02109	1,132.237	45.26%
M	Keansburg Board of Education A/C Uriel Morfin 50 Manito Road Manasquan, NJ 08736	648.552	25.93%
M	Nicholas Lelgie 650 Carlisle Ave Hamilton, OH 45013	647.455	25.88%
R**	Great-West Trust Company, LLC The Putnam Retirement Plan	5,332.399	74.56%
R	Putnam LLC One Post Office Square Boston, MA 02109	1,139.925	15.94%
R	ING National Trust FBO 1 Orange Way Windsor, CT 06095	679.162	9.50%
Y**	Great-West Trust Company, LLC FBO	36,345.494	66.04%
Y*	UGL Services UNICCO Operations	9,509.640	17.28%
Y**	Great-West Trust Company, LLC The Putnam Retirement Plan	7,174.738	13.04%

Class	Shareholder Name and Address	Holdings	Percentage Owned
Putnam RetirementReady 2050 Fund			
A**	Great-West Trust Company, Recordkeeper for various benefit plans	88,126.573	32.70%
A*	Western Federal Credit Union	16,396.658	6.08%
A	Eugene Blake 8 Spruce Cir Andover, MA 01810	16,237.721	6.02%
A	MG Trust Company Cust Norman's Wright/Airelink Mech EQ 700 17th St., Ste. 300 Denver, CO 80202-3531	14,940.254	5.54%
B	National Financial Services, LLC FBO its customers 499 Washington Blvd Jersey City, NJ 07310	3,566.266	23.83%
B	Samantha Singh 5838 Pala Mesa Drive San Jose, CA 95123	1,589.631	10.62%
B	Vineet Arora 5605 S. Woodlawn Ave Chicago, IL 60637	988.897	6.61%
C	Deborah Nevin 3409 Malito Dr Bonia, CA 91902	2,376.630	15.22%
C	First Nations Community A/C Jessica Tsabetsave 5712 Potentilla CT NW Albuquerque, NM 87210	2,090.189	13.38%
C	Ian Sacco 3650 Eugene Place San Diego, CA 92116	1,166.149	7.47%
C	First Nations Community A/C Diane Mccurg 225 Charter House Williamsburg, VA 23188	999.727	6.40%
C	Georgia Phares 6385 Ebb Tide Way Carlsbad, CA 92011	950.719	6.09%
C	First Nations Community A/C Mary Flynn 8608 Tia Christina Dr NW Albuquerque, NM 87114	780.232	5.00%
M	Pershing LLC 1 Pershing Plaza Jersey City, NJ 07399	670.412	34.96%

Class	Shareholder Name and Address	Holdings	Percentage Owned
M	Keansburg Board of Education A/C James Schumacher 67 Tall Timber Road Middletown, NJ 07748	377.227	19.67%
M*	PECO Employees 401(K) Plan	304.337	15.87%
M	Phoenix Data Systems Inc A/C A/C Brandon Wayne 1605 Bawtree Street W. Bloomfield, MI 48324	207.939	10.84%
M	Keansburg Board of Education A/C Jason Wombough 93 Seabreeze Way Keansburg, NJ 07734	122.967	6.41%
M	Michelle Voight Shisler 507 Lead Street Kingman, AZ 86401	106.238	5.54%
M	Putnam LLC One Post Office Sq. Boston, MA 02109-2106	96.591	5.04%
R**	Great-West Trust Company, LLC The Putnam Retirement Plan	54,914.609	35.14%
R	MG Trust Company Cust Wyde Corp. 700 17th St., Ste. 300 Denver, CO 80202-3531	21,457.640	13.73%
R	ING National Trust FBO 1 Orange Way Windsor, CT 06095	9,575.798	6.13%
R	MG Trust Company Cust FBO Rincon Band of Luiseno Indians 700 17th St., Ste. 300 Denver, CO 80202-3531	8,392.580	5.37%
Y**	Great-West Trust Company, LLC The Putnam Retirement Plan	203,014.373	77.82%
Y*	UGL Services UNICCO Operations	32,775.382	12.56%

Class	Shareholder Name and Address	Holdings	Percentage Owned
Putnam RetirementReady 2045 Fund			
A**	Great-West Trust Company, Recordkeeper for various benefit plans	130,843.194	30.01%
A	Ameritrade Inc FBO PO Box 2226 Omaha, NE 68102-2226	31,436.752	7.21%
A*	Livewire Mobile Inc.	22,072.016	5.06%
B	Taj Sabih 528 Timber Way Lewisville, TX 75067	1,422.112	8.79%
B	LPL Financial Attn: Lindsay O'Toole 9785 Towne Centre Drive San Diego, CA 92121-1968	1,318.431	8.15%
B	Cassandra Juneau 305 Melodywood Drive Friendswood, TX 77545	969.857	6.00%
B	Katie Darling 777 E. Sandhill CT Lehi, Utah 84043	948.121	5.86%
B	James Coleman A/C Megan Reisenauer 2420 Marie Road Turlock, CA 95380	893.583	5.53%
C	Abraham Schoenfeld 4 Green Hill Lane Spring Valley, NY 10977	3,089.036	18.74%
C	Lisa Mapes 96 River View Rd Sugar Run, PA 18846	2,242.684	13.61%
C	Kidspeak Speech & Language Services A/C Rachel Crowley 6807 Old Forge Drive Charlotte, NC 28226	1,871.850	11.36%

Class	Shareholder Name and Address	Holdings	Percentage Owned
Putnam RetirementReady 2045 Fund (cont.)			
C	David Braham 9200 Walsall CV Austin, TX 78749	1,380.228	8.37%
M	Phoenix Data Systems Inc A/C Aaron M. Peters 2660 Sterling River Drive Fowlerville, MI 48836	389.306	30.12%
M	Renee Judson 3004 N. Harrison St Wilmington, DE 19802	293.101	22.68%
M	Denise Lee Burgess 3014 W. William Cannon Drive; Apt 522 Austin, Texas 78745	184.508	14.28%
M	Pershing LLC P.O. Box 2052 Jersey City, NJ 07303-2052	115.999	8.97%
M	Phoenix Data Systems Inc A/C Courtney Widzinski 2061 Hollywood Ave Grosse Point, MI 48236	112.750	8.72%
M	Putnam LLC One Post Office Sq. Boston, MA 02109-2106	69.373	5.37%
R**	Great-West Trust Company, Recordkeeper for various benefit plans	51,344.693	36.94%
R	MG Trust Company Cust FBO Rincon Band of Luiseno Indians 700 17th St., Ste. 300 Denver, CO 80202-3531	13,110.257	9.43%
R	MG Trust Company Cust FBO C&C Web International, Inc. 700 17th St., Ste. 300 Denver, CO 80202-3531	10,204.716	7.34%
R	MG Trust Company Cust Wyde Corp 700 17th St., Ste. 300 Denver, CO 80202-3531	9,197.198	6.62%
Y**	Great-West Trust Company, LLC – The Putnam Retirement Plan	195,438.885	79.82%
Y*	UGL Services UNICCO Operations	29,743.096	12.15%
Putnam RetirementReady 2040 Fund			
A**	Great West Trust Company, LLC FBO	142,683.124	24.39%
A*	Western Federal Credit Union	42,114.549	7.20%
B	LPL Financial Attn: Lindsay O'Toole 9785 Towne Centre Drive San Diego, CA 92121-1968	12,178.321	28.92%
B	National Financial Services, LLC FBO its customers 499 Washington BLVD Jersey City, NJ 07310	4,597.813	10.92%
B	Pershing LLC P.O. Box 2052 Jersey City, NJ 07303-2052	4,036.735	9.59%
C	Anne Bonczek 81 Redfield Street Tunkhannock, PA 18657	2,489.172	12.07%
C	Edward Jones & Co. 12555 Manchester Road Saint Louis, MO 63131	1,562.698	7.58%
C	Jennifer Sackett PO Box 514 Wyalising, PA 18853	1,499.825	7.27%
C	Joshua Parkhurst 1586 Steam Mill Hollow Rd Laceyville, PA 18623	1,412.998	6.85%

Class	Shareholder Name and Address	Holdings	Percentage Owned
C	Jeffrey Carver 225 Glen Road Camp Hill, PA 17011	1,267.082	6.14%
C	Diabetes Management & Supplies c/o Terry Miller 4913 Steele Street Metairie, LA 70006	1,032.754	5.01%
M	Keansburg Board of Education A/C Dana Florio 71 Galloping Drive Belford, NJ 07718	701.372	24.12%
M	Phoenix Data Systems A/C Sushma Krishnaswamy 398 Daylily Dr Rochester Hills, MI 48307	561.796	19.32%
M	Simi Valley Unified School District A/C Karen Linn 6043 Mescallero Pl Simi Valley, CA 93063	365.344	12.56%
M	Township High School District 211 A/C Anthony Tosh 849 W Saint John Pl Palatine, IL 60067	312.335	10.74%
M	Keansburg Board of Education A/C Theresa Konor 2 Addison Road Howell, NJ 07731	255.785	8.80%
M	Keansburg Board of Education A/C Tara Kukulski 434 Middlewood Road Middletown, NJ 07748	181.798	6.25%
M	Mary Lowell 3451 N Apache St Kingman, AZ 86401	152.939	5.26%
R**	Great-West Trust Company, Recordkeeper for various benefit plans	54,715.621	30.41%
R	MG Trust Company Cust FBO Rincon Band of Luiseno Indians 700 17th St., Ste. 300 Denver, CO 80202-3531	12,056.373	6.70%
R	MG Trust Company Cust IHS Pharmacy 700 17th St., Ste. 300 Denver, CO 80202-3531	11,029.558	6.13%
Y**	Great-West Trust Company, LLC – The Putnam Retirement Plan	216,863.078	74.78%
Y*	UGL Services UNICCO Operations	43,718.980	15.07%
Putnam RetirementReady 2035 Fund			
A**	Great West Trust Company, LLC FBO	122,624.934	16.11%
A	National Financial Services, LLC FBO its customers 499 Washington Blvd. Jersey City, NJ 07310	106,540.895	14.00%
A*	IBEW Local 40	49,380.111	6.49%
A*	Livewire Mobile Inc.	39,883.551	5.24%
B	Pershing LLC P.O. Box 2052 Jersey City, NJ 07303-2052	6,918.411	13.15%
B	Alessandra Nardi 2028 Parker Street Berkeley, CA 94704	3,693.308	7.02%
B	LPL Financial Attn: Lindsay O'Toole 9785 Towne Centre Drive San Diego, CA 92121-1968	3,620.081	6.88%
B	Patrick Keenan 785 Keller Pkwy Saint Paul, MN 55117	2,679.715	5.09%

Class	Shareholder Name and Address	Holdings	Percentage Owned
Putnam RetirementReady 2035 Fund (cont.)			
C	MG Trust Company Cust Gartner Anesthesia PLLC 700 17th St., Ste. 300 Denver, CO 80202-3531	5,982.664	21.00%
C	Merritt Swartley 3684 N Sawgrass Way Boise, ID 83704	2,286.067	8.03%
C	Dushore Grocery Inc A/C Justin Haas 15768 SR 87 Dushore, PA 18604	1,517.957	5.33%
C	Dushore Grocery Inc A/C Kristin Haas 15768 SR 87 Dushore, PA 18604	1,516.786	5.32%
M	Timothy McDonough 26 Green Street Rockland, MA 02370	5,895.811	42.37%
M	Fairfield Public Schools A/C Steven Blumenthal 49 Winchester Ave North Haven, CT 06473	5,444.637	39.13%
M	Putnam LLC One Post Office Sq. Boston, MA 02109-2106	1,227.724	8.82%
R**	Great-West Trust Company, Recordkeeper for various benefit plans	69,502.290	29.79%
R	MG Trust Company Cust HIS Pharmacy 700 17th St., Ste. 300 Denver, CO 80202-3531	24,209.986	10.38%
R	MG Trust Company Cust One Fish Two Fish Inc Employees 700 17th St., Ste. 300 Denver, CO 80202-3531	15,477.330	6.63%
R	MG Trust Company Cust United Smiles PC 700 17th St., Ste. 300 Denver, CO 80202-3531	15,126.077	6.48%
Y**	Great-West Trust Company, LLC — The Putnam Retirement Plan	370,491.849	72.50%
Y*	UGL Services UNICCO Operations	113,233.490	22.16%

Putnam RetirementReady 2030 Fund

A**	Great-West Trust Company, Recordkeeper for various benefit plans	195,808.348	18.82%
A	National Financial Services, LLC FBO its customers 499 Washington BLVD Jersey City, NJ 07310	79,212.666	7.61%
B	Pershing LLC P.O. Box 2052 Jersey City, NJ 07303-2052	11,348.164	16.86%
B	National Financial Services, LLC FBO its customers 499 Washington BLVD Jersey City, NJ 07310	5,902.063	8.77%
B	Michael Flaherty 6103 Gulick Rd Naples, NY 14512	4,657.946	6.92%
B	Jesse Allen 3 Parkwood CT Streamwood, IL 60107-2244	3,673.343	5.46%
C	Roseman Dental A/C Peter Rosenman 328 Greenbank Rd. Bryn Mawr, PA 19010-1619	7,308.334	16.72%

Class	Shareholder Name and Address	Holdings	Percentage Owned
C	Beavercreek City Schools A/C Staci Auer 4286 Bristol DR Beavercreek, OH 45440	4,723.720	10.81%
C	Beavercreek City Schools A/C Nicola T. Moorehead 2389 Brown Bark Drive Beavercreek, OH 45440	3,626.977	8.30%
C	CVS Thoracic & Cardiovascular A/C John Limoli 11743 W 27th Drive Lakewood, CO 80215	3,623.858	8.29%
C	Melissa McGinness Beneficiary of John McClary 1586 Midvale Ave Los Angeles, CA 90024	2,679.177	6.13%
C	Beavercreek City Schools A/C Tammy Horney 7700 Tanyard Rd Yellow Spgs, OH 45387	2,189.888	5.01%
M	Keansburg Board of Education A/C Catherine Callaghan PO Box 547 Red Bank, NJ 07701	1,235.512	20.84%
M	National Financial Services, LLC FBO its customers 499 Washington BLVD Jersey City, NJ 07310	1,218.189	20.55%
M	David Pinckley 2622 Toyon Way Yuba City, CA 95993	715.235	12.07%
M	Barbara Boyd 4060 Vitobello CT Kingman AZ 86401	524.786	8.85%
M	Steven Arizaga For Kennedy Arizaga 6734 E. Mission Street Yuma, AZ 85365	386.144	6.51%
M	Christopher Lynch 451 Broadway Lynn, MA 01904	376.013	6.34%
M	STEP A/C Folly Nelson PO Box 121 Grass Range, MT 59032	309.234	5.22%
R**	Great-West Trust Company, Recordkeeper for various benefit plans	123,637.421	34.17%
R	ING National Trust FBO 1 Orange Way Windsor, CY 06095	41,352.521	11.43%
R	MG Trust Company Cust Midwest Maintenance Co Inc. 700 17th St., Ste. 300 Denver, CO 80202-3531	20,692.667	5.72%
Y**	Great-West Trust Company, LLC — The Putnam Retirement Plan	423,602.284	71.09%
Y*	UGL Services UNICCO Operations	88,918.483	14.92%

Putnam RetirementReady 2025 Fund

A**	Great-West Trust Company, Recordkeeper for various benefit plans	301,059.352	23.53%
A	National Financial Services, LLC FBO its customers 499 Washington BLVD Jersey City, NJ 07310	134,258.843	10.49%
B	National Financial Services, LLC FBO its customers 499 Washington BLVD Jersey City, NJ 07310	7,891.382	14.17%

Class	Shareholder Name and Address	Holdings	Percentage Owned
Putnam RetirementReady 2025 Fund (cont.)			
B	Memorial Medical Center (IL) A/C Kathy S. Lee 2500 E. Lake Shore Dr. Springfield, IL 62712-5500	5,178.830	9.30%
C	Frontier TRCO FBO Debra Sutton P.A. 401(k) plan PO Box 10758 Fargo, ND 58106	4,428.822	9.29%
C	North Dakota State University A/C Charlene D. Goodyear 2218 7th Street N Fargo, ND 58102	3,382.254	7.10%
C	Beavercreek City Schools A/C Carol M. Wade 3544 Knollwood Dr Beavercreek, OK 45432-2318	3,319.281	6.96%
C	Roseman Dental A/C Judith Vivian 1075 Balsam Way Blue Bell, PA 19422	2,902.262	6.09%
C	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	2,855.682	5.99%
C	LPL Financial Attn: Lindsay O'Toole 9785 Towne Centre Drive San Diego, CA 92121-1968	2,589.786	5.43%
C	H. Felde Tool & Machine Co. A/C Edgar Soler 608 Prince Street Pekin, IL 615540	2,529.281	5.31%
M	David Sayers 39 Commonwealth Avenue Haverhill, MA 01830	3,757.891	31.15%
M	National Financial Services, LLC FBO its customers 499 Washington Blvd. Jersey City, NJ 07310	2,477.148	20.53%
M	Betsy McCarthy 112 Roth St Houston, PA 15842	1,130.566	9.37%
M	Betsy McCarthy Benefit of Zigmund Roskowski 112 Roth St Houston, PA 15842	1,067.452	8.85%
M	Herman Zeller 1941 Pamela Street Oxnard, PA 93036	689.377	5.71%
R**	Great-West Trust Company, Recordkeeper for various benefit plans	96,193.633	35.68%
R	MG Trust Company Cust Journey Communications 700 17th St., Ste. 300 Denver, CO 80202-3531	27,589.119	10.23%
R	MG Trust Company Cust Escoe Companies 700 17th St., Ste. 300 Denver, CO 80202-3304	19,537.174	7.25%
Y**	Great-West Trust Company, LLC — The Putnam Retirement Plan	389,080.271	61.10%
Y*	UGL Services UNICCO Operations	184,829.240	29.02%
Putnam RetirementReady 2020 Fund			
A**	Great West Trust Company, LLC FBO	245,308.890	18.57%
A	National Financial Services, LLC FBO its customers 499 Washington BLVD Jersey City, NJ 07310	73,860.103	5.59%

Class	Shareholder Name and Address	Holdings	Percentage Owned
B	Jewish Senior Life A/C Daniel Katz 438 Sundance Trl Webster, NY 14580	6,250.103	8.42%
B	Johnson City School District A/C Cathy M. Botts 109 Chestnut Ridge Dr. Jonesborough, TN 37659-7457	5,095.772	6.86%
B	Connetquot School of Islip A/C Jane E. Murphy 12 Franklin Road Oakdale, NY 11769-2223	4,784.226	6.44%
B	LPL Financial Attn: Lindsay O'Toole 9785 Towne Centre Drive San Diego, CA 92121-1968	4,596.438	6.19%
B	Guita Ghaditi, MD 795 Rosewood Lane York, PA 17403-5917	4,179.925	5.63%
C	Wells Fargo Advisors Special Custody Acct For the Exclusive Benefit of its Customers 2801 Market St Saint Louis, MO 63103	8,797.992	12.93%
C	Beavercreek City Schools A/C Mary K. Hunsaker 1837 Andrea Circle Beavercreek, OH 45434	6,654.582	9.78%
C	Fairfield Board OF Education A/C Eileen Frankel 9 Katy Lane Norwalk, CT 06851	4,337.145	6.37%
C	Mark Hall 5121 N Bank Road Crescent City, CA 955231	4,074.055	5.99%
C	Bridgeport CT Board OF Education A/C Gidalia Olivera 29 Nature Lane Shelton, CT 06484-4220	3,785.659	5.56%
C	Beavercreek City Schools A/C Sharon Geise 542 Colonial Drive Beavercreek OH 45434	3,562.733	5.24%
M	Ouachita Parish School District A/C Eddie E. Mahoney 101 N. Willow BND Monroe, LA 71203-9615	3,176.603	38.17%
M	Barbara Schenck 705 E Drake Rd; Apt 50 Fort Collins, CO 80525	524.564	6.30%
M	Albert Barker PO Box 703 Bordertown, NJ 08505	1,494.628	17.96%
M	Frederick Watkins 91 Bellhaven Chase CT Mableton, GA 30126-5959	501.654	6.03%
M	California State University Fullerton A/C Brett Fisher 1548 E. Brookdale Pl Fullerton, CA 92831	478.003	5.74%
R**	Great-West Trust Company, Recordkeeper for various benefit plans	157,432.851	56.40%
Y**	Great-West Trust Company, LLC — The Putnam Retirement Plan	175,099.488	47.45%
Y*	UGL Services UNICCO Operations	140,758.397	38.14%
Putnam RetirementReady 2015 Fund			
A**	Great-West Trust Company, LLC — Recordkeeper for various plans	178,667.001	18.39%

Class	Shareholder Name and Address	Holdings	Percentage Owned
Putnam RetirementReady 2015 Fund (cont.)			
B	LPL Financial Attn: Lindsay O'Toole 9785 Towne Centre Drive San Diego, Ca 92121-1358	14,054.419	31.11%
B	UMB Bank na c/f FBO Marcia Kaminker 81 Davidson S Mill Rd N. Brunswick, NJ 08902	7,440.268	16.47%
B	Wells Fargo Advisors FBO Customer Accounts 2801 Market St. saint louis, mo 63103	3,134.566	6.94%
B	Sahodree Thakurdin 17 Big Horn Drive Palm Coast, FL 32137-3719	2,722.021	6.03%
B	Anne Albone 112 Bear Creek Path Ormond Beach, FL 32174-8790	2,412.244	5.34%
C	Beavercreek City Schools A/C Erin E. Klingler 1646 Turner Rd Xena, OH 45385	3,713.087	15.62%
C	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	3,384.104	14.23%
C	Wright State University A/C John L. Bale 10223 Simms Station Road Dayton, OH 45458-9528	2,941.171	12.37%
C	Judy Smith 57 Mill Street East Haven, CT 06512	1,827.164	7.68%
C	Beavercreek City Schools A/C Caye Black 2011 Wentworth Village Drive Bellbrook, OH 45385	1,618.117	6.80%
C	Beavercreek City Schools A/C Pandora Boos 221 Wistowa TRL Beavercreek, OH 454310-2015	1,312.100	5.52%
M	Joyce Webb Shanower & Alisa Sedacca Bene of Frank Shanower SEP IRA 6365 Brookline CT Cumming, GA 30040	1,732.363	20.22%
M	Steven Arizaga 6734 E. Mission Street Yuma, AZ 85365	1,290.659	15.07%
M	Jack Hallack 10120 Arrowhead Dr. Apt 7 Jacksonville, FL 32257	755.647	8.82%
M	Carbondale Elem School District No 956 A/C Margaret L. Mayberry 7843 Giant City Road PO Box 2941 Carbondale, IL 62902	750.088	8.76%
M	Robin Bodkins PO Box 1148 Kingman, AZ 86402	742.911	8.67%
M	Herman Zeller 1941 Pamela Street Oxnard, CA 93036	639.385	7.46%
M	Peter Shkrutz 1 Birch Street Milltown, NJ 08850	498.189	5.82%
M	Pamela Shinogle 3533 S. Bear Creek Road Kaw City OK 74641-9613	449.744	5.25%
R**	Great West Trust Company, LLC FBO	68,746.102	38.07%

Class	Shareholder Name and Address	Holdings	Percentage Owned
R	MG Trust Company Cust Silver Lake Construction Inc. 700 17th St., Ste. 300 Denver, CO 80202-3531	30,797.118	17.06%
R	ING National Trust FBO 1 Orange Way Windsor, CT 06095	10,195.605	5.65%
R	MG Trust Company Cust Jack Ouio CPA 700 17th St., Ste. 300 Denver, CO 80202-3531	9,432.394	5.22%
Y*	UGL Services UNICCO Operations	132,119.440	53.99%
Y**	Great-West Trust Company, LLC — The Putnam Retirement Plan	84,586.100	34.56%
Putnam Retirement Income Fund Lifestyle 1			
A**	Great-West Trust Company, LLC — Recordkeeping for various benefit plans	74,467.168	8.59%
A*	IBEW Local 40 NECA 401K Plan	57,852.643	6.68%
A	National Financial Services, LLC FBO its customers 499 Washington Blvd Jersey City, NJ 07310	46,481.508	5.36%
B	Dunkelberg McLinley Folkers Walk A/C Michelle Grimm 3019 360th St Osage, IA 50461	2,482.247	24.30%
B	Pershing LLC 1 Pershing Plaza Jersey City, NJ 07303	1,974.561	19.33%
B	Victor Matheiu 1133 N Grand St West Suffield, CT 06093	1,359.130	13.30%
B	Hua Hsing Wei 9146 Emperor Ave San Gabriel, CA 91775	897.493	8.78%
B	Mabel Adams 2012 N. 24th St. Boise, ID 83702-0205	891.923	8.73%
C	LPL Financial Attn: Lindsay O'Toole 9785 Towne Centre Drive San Diego, CA 92121-1358	6,979.686	17.68%
C	Otto Eachus 4805 Mason Dr Boswell, NM 882011	4,113.559	10.42%
C	Joseph Skinner 10824 Via Cascabel San Diego, CA 92124	2,658.052	6.73%
C	San Diego Unified School Dist. A/C Veronica Bowen 12031 Obispo Rd San Diego, CA 92128	2,463.130	6.24%
C	Pershing LLC 1 Pershing Plaza Jersey City, NJ 07303	2,460.894	6.23%
C	Jan Richards 1100 De Bremond Drive Roswell, NM 88201-1110	2,070.512	5.25%
M	Gene Friel 3094 Ridge Rd. South Park, PA 15129-9334	12,995.860	68.36%
M	Pershing LLC 1 Pershing Plaza Jersey City, NJ 07303	2,329.790	12.25%
R**	Great-West Trust Company, Recordkeeper for various benefit plans	22,149.892	36.52%

Class	Shareholder Name and Address	Holdings	Percentage Owned
Putnam Retirement Income Fund Lifestyle 1 (cont.)			
R	MG Trust Company Cust CVC Environmental Inc 700 17th St., Ste. 300 Denver, CO 80202-3531	10,430.457	17.20%
R	MG Trust Company Cust Midtown Motors Inc 700 17th St., Ste. 300 Denver, CO 80202-3531	5,165.256	8.52%
R	MG Trust Company Cust Bio-Serv Inc. Profit Sharing Plan 700 17th St., Ste. 300 Denver, CO 80202-3531	3,586.813	5.91%
R	MG Trust Company Cust Midwest Political Science ASSOCIATION 700 17th St., Ste. 300 Denver, CO 80202-3531	3,428.410	5.65%
Y*	UGL Services UNICCO Operations	370,238.770	85.73%
Y**	Great-West Trust Company, LLC — The Putnam Retirement Plan	52,966.562	12.21%

Putnam Retirement Income Fund Lifestyle 2

A	Putnam LLC One Post Office Sq. Boston, MA 02109-2106	950,984.817	84.73%
B	Putnam LLC One Post Office Sq. Boston, MA 02109-2106	10,000.000	59.59%
B	UMB Bank NA C/F Pen Argyl School District 403B FBO Andrea A. Poloni 114 ½ George Street Pen Argyl, PA 18072-1736	4,633.902	27.61%
B	U.S. Bancorp Investments Inc FBO 230964231 60 Livingston Ave Saint Paul, MN 55107-2292	2,085.753	12.43%
C	Putnam LLC One Post Office Sq. Boston, MA 02109-2106	10,000.000	43.12%
C	Ameritrade Inc FBO PO Box 2226 Omaha, NE 68103	4,863.813	20.97%
C	Duane & Vicky Madsen c/o Stacey Westbrook 1137 212th Street New Richmond, WI 54017	4,331.088	18.67%
C	James H. Hamlin Roth IRA Plan 1588 Turnberry CT Beaumont, CA 92223-8541	2,294.729	9.89%
M	Putnam LLC One Post Office Sq. Boston, MA 02109-2106	10,003.077	81.57%
M	Janice E. Barnhart 174 Barnhart Road Julian, PA 16844-9305	2,260.341	18.43%
R	Putnam LLC One Post Office Sq. Boston, MA 02109-2106	10,003.077	100.00%
Y	Putnam LLC One Post Office Sq. Boston, MA 02109-2106	10,019.754	69.64%
Y	George Putnam, III One Post Office Square Boston, MA 02109	1,613.384	11.21%
Y	Robert Patterson One Post Office Square Boston, MA 02109	1,074.479	7.47%

Class	Shareholder Name and Address	Holdings	Percentage Owned
Putnam Retirement Income Fund Lifestyle 3			
A	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	65,606.621	6.25%
A	National Financial Services LLC For the Exclusive Benefit of Our Customers 499 Washington Blvd. Attn: Mutual Funds Dept. 4th Fl Jersey City, NJ 07310-2010	62,497.179	5.96%
A	LPL Financial Omnibus Customer Account Attn: Lindsay O'Toole 9785 Towne Centre Dr. San Diego, CA 92121-1968	56,475.537	5.38%
B	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	13,842.656	18.19%
B	Wells Fargo Advisors 2801 Market St. St. Louis, MO 63103-2523	11,915.183	15.66%
B	National Financial Services LLC For the Exclusive Benefit of Our Customers 499 Washington Blvd. Attn: Mutual Funds Dept. 4th Fl Jersey City, NJ 07310-2010	7,709.611	10.13%
B	Merrill Lynch For the Sole Benefit of its Customers Attn: Fund Administration 4800 Deer Lake Drive, E FL 3 Jacksonville, FL 32246	4,478.406	5.89%
B	Erminia White& Kathleen A Abruzzo JTWROS 9005 84th St Woodhaven, NY 11421-2418	4,135.291	5.44%
C	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	53,920.113	20.03%
C	LPL Financial Omnibus Customer Account Attn: Lindsay O'Toole 9785 Towne Centre Dr. San Diego, CA 92121-1968	37,337.961	13.87%
C	National Financial Services LLC For the Exclusive Benefit of Our Customers 499 Washington Blvd. Attn: Mutual Funds Dept. 4th Fl Jersey City, NJ 07310-2010	23,123.911	8.59%
C	Raymond James House Account Firm 92500015 Attn: Courtney Waller 880 Carillon Pkwy St. Petersburg, FL 33716-1100	16,594.017	6.16%
M	Rosa L Cornelius IRA Rollover Plan 1949 Baja Dr. Los Fresnos, TX 78566-4222	17,944.315	36.90%
M	Edward D Jones & Co Attn: Mutual Fund Shareholder Accounting 201 Progress Pkwy Maryland Hts., MO 63043-3009	16,956.927	34.87%
M	LPL Financial Omnibus Customer Account Attn: Lindsay O'Toole 9785 Towne Centre Dr. San Diego, CA 92121-1968	12,354.966	25.41%
R	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	227.286	63.32%
R	Putnam LLC One Post Office Square Boston, MA 02109	131.634	36.68%
Y	John A Hill 33 Avon Rd Bronxville, NY 10708-1601	33,749.973	32.93%

Class	Shareholder Name and Address	Holdings	Percentage Owned
Putnam Retirement Income Fund Lifestyle 3 (cont.)			
Y	Merrill Lynch For the Sole Benefit of its Customers Attn: Fund Administration 4800 Deer Lake Drive, E FL 3 Jacksonville, FL 32246	14,766.451	14.41%
Y**	Great-West Trust Company, LLC The Putnam Retirement Plan	12,696.169	12.39%
Y**	Dudley R Davidson Jr. IRA Plan 4004 Loon Lake Ct. Linden, MI 48451-9456	8,844.458	8.63%
Y	Frances M Davidson IRA Plan 4004 Loon Lake Ct. Linden, MI 48451-9456	8,337.614	8.13%
Y	Jameson A Baxter & Reginald R Baxter JTWROS 626 Old Barn Rd Lk Barrington, IL 60010-6203	6,947.077	6.78%

Putnam Short Duration Income Fund

A	UBS Wealth Management USA 000 11011 6100 Omni Account M/F Attn: Department Manager 1000 Harbor Blvd. Weehawken, NJ 07086-6761	73,069,383.375	66.40%
A	Morgan Stanley Smith Barney Plaza 2, 3rd Floor Jersey City, NJ 07311	13,891,609.866	12.62%
B	Janney Montgomery Scott, LLC A/C Robert James Steele 1801 Market Street Philadelphia, PA 19103	5,760.475	12.13%
B	Terese Schroeder 12285 165th Ave SE Becker, MN 55308	4,143.921	8.73%
B	LPL Financial Omnibus Customer Account Attn: Lindsay O'Toole 9785 Towne Centre Dr. San Diego, CA 92121-1968	3,959.137	8.34%
B	National Financial Services, LLC For the Exclusive Benefit of our Customers 499 Washington Blvd. Attn: Mutual Funds Dept. 4th fl Jersey City, NJ 07310-2010	2,463.132	5.19%
B	Dennis & Donna Bouser 25 Towhee Dr Palmerton, PA 18071	2,458.086	5.18%
C	Morgan Stanley Smith Barney Plaza 2, 3rd Floor Jersey City, NJ 07311	196,573.287	26.78%
C	UBS Wealth Management USA 000 11011 6100 Omni Account M/F Attn: Department Manager 1000 Harbor Blvd. Weehawken, NJ 07086-6761	130,863.615	17.83%
C	Pershing LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	104,888.560	14.29%
C	LPL Financial Omnibus Customer Account Attn: Lindsay O'Toole 9785 Towne Centre Dr. San Diego, CA 92121-1968	60,272.475	8.21%
C	Raymond James Attn: Courtney Waller 880 Carillon Parkway St. Petersburg, FL 33716	58,443.925	7.96%

Class	Shareholder Name and Address	Holdings	Percentage Owned
M	UBS Wealth Management USA 000 11011 6100 Omni Account M/F Attn: Department Manager 1000 Harbor Blvd. Weehawken, NJ 07086-6761	48,829.874	44.04%
M	Morgan Stanley Smith Barney Plaza 2, 3rd Floor Jersey City, NJ 07311	26,442.901	23.85%
M	Timothy & Candice McDermitt 2651 Terrace Dr Honolulu, HI 96822	10,360.759	9.34%
M	Anne Marie & Denis Quagliariello 2309 Poplar Rd Havertown, PA 19083	5,940.840	5.36%
R	Morgan Stanley Smith Barney Plaza 2, 3rd Floor Jersey City, NJ 07311	57,932.976	46.94%
R	Frontier TRCO FBO Dr. Michael Schwartz PS Plan 59 PO Box 11758 Fargo, ND 58106	26,445.519	21.43%
R	Frontier TRCO FBO Central Texas Hospitalists PO Box 11758 Fargo, ND 58106	18,383.581	14.90%
R	Putnam, LLC One Post Office Square Boston, MA 02109	10,027.572	8.13%
R5	Putnam, LLC One Post Office Square Boston, MA 02109	1,006.041	100.00%
R6**	Great-West Trust Company, LLC FBO	34,688.276	97.18%
Y	Morgan Stanley Smith Barney Plaza 2, 3rd Floor Jersey City, NJ 07311	7,335,479.158	44.87%
Y	Pershing LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	1,890,941.385	11.57%
Y	Raymond James Attn: Courtney Waller 880 Carillon Parkway St. Petersburg, FL 33716	1,860,827.674	11.38%
Y	National Financial Services, LLC For the Exclusive Benefit of our Customers 499 Washington Blvd. Attn: Mutual Funds Dept. 4th fl Jersey City, NJ 07310-2010	1,608,458.568	9.84%
Y	LPL Financial Omnibus Customer Account Attn: Lindsay O'Toole 9785 Towne Centre Dr. San Diego, CA 92121-1968	7,335,479.158	44.87%

Putnam Short Term Investment Fund

P	Putnam Dynamic Asset Allocation Growth Fund	194,542,261.000	9.26%
P	Putnam Dynamic Asset Allocation Balanced Fund	155,981,585.000	7.42%
P	Putnam Equity Income Fund	153,820,761.000	7.32%
P	The Putnam Fund for Growth and Income	149,478,409.000	7.11%
P	Putnam Capital Spectrum Fund	124,952,457.000	5.95%
P	The George Putnam of Boston (d/b/a George Putnam Balanced Fund)	118,844,257.000	5.66%
P	Putnam Equity Spectrum Fund	112,189,643.000	5.34%

Class	Shareholder Name and Address	Holdings	Percentage Owned
Putnam Short-Term Municipal Income Fund			
A	Putnam, LLC One Post Office Square Boston, MA 02109	997,130.114	71.97%
A	Barbara Goldstein 20 James Rd Harrison, NY 10528	104,943.930	7.57%
A	Charles Schwab & CO Inc. 101 Montgomery Street San Francisco, CA 94104-4154	80,187.360	5.79%
B	Pershing LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	1,730.270	60.72%
B	Putnam, LLC One Post Office Square Boston, MA 02109	1,000.360	35.10%
C	Pershing LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	16,594.168	64.53%
C	LPL Financial Omnibus Customer Account Attn: Lindsay O'Toole 9785 Towne Centre Dr. San Diego, CA 92121-1968	7,566.762	29.42%
M	Diane & Dennis Mullen 2684 New Scotland Rd Voorheesville, NY 12186	6,012.024	85.73%
M	Putnam, LLC One Post Office Square Boston, MA 02109	1,000.958	14.27%
Y	National Financial Services, LLC For the Exclusive Benefit of our Customers 499 Washington Blvd. Attn: Mutual Funds Dept. 4th fl Jersey City, NJ 07310-2010	62,200.839	85.83%
Putnam Small Cap Growth Fund			
A	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399	226,474.093	5.16%
B	Merrill, Lynch, Pierce, Fenner & Smith Inc. 4800 Deer Lake Dr E FL 3 Jacksonville, FL 32246-6484	6,627.147	18.36%
B	LPL Financial Attn: Lindsay O'Toole 9785 Towne Ctr. Dr. San Diego, CA 92121-1968	2,797.297	7.75%
C	National Financial Service, LLC 200 Liberty Street, 5th Floor One World Financial Center New York, NY 10281	28,989.008	11.00%
C	Morgan Stanley Smith Barney Plaza 2, 3rd Floor Jersey City, NJ 07311	24,348.893	9.24%
C	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399	21,418.489	8.13%
C	Wells Fargo Advisor 2801 Market Street Saint Louis, MO 63103	18,851.113	7.16%
C	Merrill, Lynch, Pierce, Fenner & Smith Inc. 4800 Deer Lake Dr E FL 3 Jacksonville, FL 32246-6484	18,332.596	6.96%
C	LPL Financial Attn: Lindsay O'Toole 9785 Towne Ctr. Dr. San Diego, CA 92121-1968	14,669.367	5.57%
M	National Financial Service, LLC 499 Washington BLVD. Jersey City, New Jersey 07310-2010	6,421.392	13.74%

Class	Shareholder Name and Address	Holdings	Percentage Owned
M	PAI Trust Company, INC 1300 Enterprise Dr. De Pere, WI 54115-4934	3,136.496	6.71%
M	Steve Beckley 2032 Why Worry Ln. Eugene OR 97405-7025	2,639.816	5.65%
M	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399	2,587.710	5.54%
M	MG Trust Company Cust. FBO Spine & Brain Neurosurgery Center 717 17th St. STE. 1300 Denver, CO 80202-3304	2,490.397	5.33%
M	Nationwide Trust Company PO Box 182029 Columbus, OH 43218-2029	2,351.328	5.03%
R	Hartford Securities Distribution Attn UIT Operations PO Box 2999 Hartford, CT 06104	147,591.269	36.05%
R	Capital Bank and Trust Company 8515 E Orchard Road, #2T2 Greenwood Village, CO 80111	66,160.192	16.16%
R	Hartford Life Insurance CO 1 Griffin Road N Windsor, CT 06095-1512	60,301.975	14.73%
Y	LPL Financial Attn: Lindsay O'Toole 9785 Towne Ctr. Dr. San Diego, CA 92121-1968	24,112.442	5.56%
Y**	Great-West Trust Company, LLC The Putnam Retirement Plan	288,569.822	66.50%
Putnam Small Cap Value Fund			
A	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399	871,053.488	8.11%
A	National Financial Service, LLC 200 Liberty Street, 5th Floor One World Financial Center New York, NY 10281	648,016.092	6.03%
A	Wells Fargo Advisors Special Custody Acct for the Exclusive Benefit of Customer 2801 Market St. Saint Louis, MO 63103-2523	589,341.590	5.48%
C	LPL Financial Attn: Lindsay O'Toole 9785 Towne Ctr. Dr. San Diego, CA 92121-1968	124,303.048	12.73%
C	Wells Fargo Advisors Special Custody Acct for the Exclusive Benefit of Customer 2801 Market St. Saint Louis, MO 63103-2523	96,168.979	9.85%
C	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399	92,089.267	9.43%
C	MLPF&S for the Sole Benefit of its Customers 4800 Deer Lake Dr. E FL 3 Jacksonville, FL 32246-6484	82,021.671	8.40%
M	Mark Torbeck IRA Rollover Plan 5765 Birchmont Place Dr Saint Louis, MO 63129-2987	5,915.237	5.66%
R	MG Trust Company Cust Gregory Kuo DDS Pension Plan 700 17th Stte 300 Denver, Co 80202-3531	4,915.193	13.79%
R	MG Trust Company Cust CMS Watch 700 17th St., Ste. 300 Denver, CO 80202-3531	4,122.644	11.56%

Class	Shareholder Name and Address	Holdings	Percentage Owned
Putnam Small Cap Value Fund (cont.)			
R	MG Trust Company Cust Block Business Systems Inc 700 17th St., Ste. 300 Denver, CO 80202-3531	3,119.125	8.75%
R	MG Trust Company Cust Covalent Systems Group 700 17th St., Ste. 300 Denver, CO 80202-3531	2,471.113	6.93%
R	MG Trust Company Cust Lakeshore Interactive LLC 700 17th St., Ste. 300 Denver, CO 80202-3531	2,258.734	6.34%
Y	LPL Financial Attn: Lindsay O'Toole 9785 Towne Ctr. Dr. San Diego, CA 92121-1968	3,659,442.419	71.55%
Y**	Great-West Trust Company, LLC The Putnam Retirement Plan	884,907.423	17.30%

Putnam Strategic Volatility Equity Fund

A	Putnam, LLC One Post Office Square Boston, MA 02109	296,000.000	96.23%
B	Putnam, LLC One Post Office Square Boston, MA 02109	1,000.000	50.17%
B	Mary Stowell 28 Timmerman Ave St Johnsville, NY 13452	679.612	34.09%
B	LPL Financial Attn: Lindsay O'Toole 9785 Towne Ctr. Dr. San Diego, CA 92121-1968	216.591	10.87%
C	Putnam, LLC One Post Office Square Boston, MA 02109	1,000.000	43.93%
C	Ying Fu 1028 Vista Pointe Circle San Ramon, CA 94582	719.080	31.59%
C	Jackie Conely-Sheller 310 S. Clinton St Stockbridge, MI 49285	449.106	19.73%
M	Putnam, LLC One Post Office Square Boston, MA 02109	1,000.000	100.00%
Y	LPL Financial Attn: Lindsay O'Toole 9785 Towne Ctr. Dr. San Diego, CA 92121-1968	35,121.146	39.24%
Y**	Great-West Trust Company, LLC The Putnam Retirement Plan	19,270.910	21.53%
Y	James Fetch 44 Prince Street Apt 505 Boston, MA 02113	14,821.600	16.56%
Y	Robert Schoen 11 Beech Rd. Brookline MA 02446	5,354.589	5.98%
Y	Jameson & Reginald Baxter 626 Old Barn Rd LK Barrington, IL 60010	4,812.320	5.38%

Putnam Tax Exempt Income Fund

A	Edward D. Jones & Co. 201 Progress Pkwy. Maryland Heights, MO 63043-3009	16,272,715.611	14.27%
A	Wells Fargo Advisors 2801 Market Street Saint Louis, MO 63103-2523	11,619,829.038	10.19%
A	Merrill, Lynch, Pierce, Fenner & Smith Inc. 4800 Deer Lake Dr E FL 3 Jacksonville, FL 32246-6484	7,579,843.732	6.65%

Class	Shareholder Name and Address	Holdings	Percentage Owned
A	National Financial Service, LLC 200 Liberty Street, 5th Floor One World Financial Center New York, NY 10281	6,580,183.779	5.77%
A	Morgan Stanley Smith Barney Harborside Financial Center Plaza 2, 3rd Floor Jersey City, NJ 07311	6,556,237.718	5.75%
B	Wells Fargo Advisors 2801 Market Street Saint Louis, MO 63103-2523	315,591.036	29.35%
B	Merrill, Lynch, Pierce, Fenner & Smith Inc. 4800 Deer Lake Dr E FL 3 Jacksonville, FL 32246-6484	165,095.547	15.36%
B	National Financial Services LLC 200 Liberty Street, 5th Fl. One World Financial Center New York, NY 10281-5503	131,505.405	12.23%
B	Pershing LLC P.O. Box 2052 Jersey City, NJ 07303-2052	129,862.779	12.08%
C	Merrill, Lynch, Pierce, Fenner & Smith Inc. 4800 Deer Lake Dr E FL 3 Jacksonville, FL 32246-6484	878,083.883	20.31%
C	Wells Fargo Advisors 2801 Market Street Saint Louis, MO 63103-2523	464,161.459	10.74%
C	Pershing LLC P.O. Box 2052 Jersey City, NJ 07303-2052	450,810.609	10.43%
C	Raymond James Attn: Courtney Waller 880 Carillon Parkway St. Petersburg, FL 33716	364,622.575	8.43%
C	National Financial Services LLC 200 Liberty Street, 5th Fl. One World Financial Center New York, NY 10281-5503	307,664.641	7.12%
C	LPL Financial Attn: Lindsay O'Toole 9785 Towne Ctr. Dr. San Diego, CA 92121-1968	253,315.776	5.86%
M	Edward D. Jones & Co. 201 Progress Pkwy. Maryland Heights, MO 63043-3009	166,029.463	21.56%
M	Pershing LLC P.O. Box 2052 Jersey City, NJ 07303-2052	139,204.698	18.08%
M	Wells Fargo Advisors 2801 Market Street Saint Louis, MO 63103-2523	106,722.495	13.86%
Y	Merrill, Lynch, Pierce, Fenner & Smith Inc. 4800 Deer Lake Dr E FL 3 Jacksonville, FL 32246-6484	823,413.799	25.61%
Y	National Financial Services LLC 200 Liberty Street, 5th Fl. One World Financial Center New York, NY 10281-5503	784,677.704	24.40%
Y	Morgan Stanley Smith Barney Harborside Financial Center Plaza 2, 3rd Floor Jersey City, NJ 07311	586,763.439	18.25%
Y	Wells Fargo Advisors 2801 Market Street Saint Louis, MO 63103-2523	537,445.646	16.71%
Y	LPL Financial Attn: Lindsay O'Toole 9785 Towne Ctr. Dr. San Diego, CA 92121-1968	161,438.687	5.02%

Class	Shareholder Name and Address	Holdings	Percentage Owned
Putnam Tax Exempt Money Market Fund			
A	John Hill 33 Avon Rd Bronxville, NY 10708	3,041,168.870	7.14%
Putnam Tax-Free High Yield Fund			
A	Wells Fargo Advisors 2801 Market Street Saint Louis, MO 63103	7,680,735.530	11.14%
A	Edward D. Jones & Co. 201 Progress Parkway Maryland, Heights, MO 63043-3009	6,909,262.961	10.02%
A	Pershing LLC P.O. Box 2052 Jersey City, NJ 07303-2052	4,685,071.748	6.79%
A	Merrill, Lynch, Pierce Fenner & Smith 4800 Deer Lake Drive E. Floor 3 Jacksonville, FL 32246-6484	4,646,531.870	6.74%
A	Morgan Stanley Smith Barney Plaza 2, 3rd Floor Jersey City, NJ 07311	4,044,835.281	5.87%
A	National Financial Services LLC 200 Liberty Street, 5th Floor One World Financial Center New York, NY 10281-5503	4,044,558.173	5.86%
B	Wells Fargo Advisors 2801 Market Street Saint Louis, MO 63103	295,740.609	27.60%
B	Pershing LLC P.O. Box 2052 Jersey City, NJ 07303-2052	167,948.348	15.68%
B	Merrill, Lynch, Pierce Fenner & Smith 4800 Deer Lake Drive E. Floor 3 Jacksonville, FL 32246-6484	134,472.527	12.55%
B	National Financial Services LLC 200 Liberty Street, 5th Floor One World Financial Center New York, NY 10281-5503	104,580.139	9.76%
B	Charles Schwab & CO Inc. 101 Montgomery Street San Francisco, CA 94104-4154	62,838.938	5.87%
C	Merrill, Lynch, Pierce Fenner & Smith 4800 Deer Lake Drive E. Floor 3 Jacksonville, FL 32246-6484	1,708,627.169	32.11%
C	Wells Fargo Advisors 2801 Market Street Saint Louis, MO 63103	688,636.396	12.94%
C	Pershing LLC P.O. Box 2052 Jersey City, NJ 07303-2052	444,441.927	8.35%
C	UBS WM USA Attn: Department Manager 1000 Harbor Blvd Weehawken, NJ 07086	337,519.688	6.34%
C	Morgan Stanley Smith Barney Plaza 2, 3rd Floor Jersey City, NJ 07311	314,776.257	5.92%
C	National Financial Services LLC 200 Liberty Street, 5th Floor One World Financial Center New York, NY 10281-5503	279,756.995	5.26%
M	Edward D. Jones & CO 201 Progress Parkway Maryland Heights, MO 63043	114,261.093	16.07%
M	Morgan Stanley Smith Barney Plaza 2, 3rd Floor Jersey City, NJ 07311	43,955.783	6.18%
M	Pershing LLC P.O. Box 2052 Jersey City, NJ 07303-2052	41,778.539	5.88%

Class	Shareholder Name and Address	Holdings	Percentage Owned
M	National Financial Services LLC 200 Liberty Street, 5th Floor One World Financial Center New York, NY 10281-5503	38,480.104	5.41%
Y	Merrill, Lynch, Pierce Fenner & Smith 4800 Deer Lake Drive E. Floor 3 Jacksonville, FL 32246-6484	1,577,968.587	34.05%
Y	Pershing LLC P.O. Box 2052 Jersey City, NJ 07303-2052	696,308.272	15.03%
Y	Wells Fargo Advisors 2801 Market Street Saint Louis, MO 63103	419,347.657	9.05%
Y	LPL Financial Omnibus Customer Account Attn: Lindsay O'Toole 9785 Towne Centre Dr. San Diego, CA 92121-1968	410,246.109	8.85%
Y	Morgan Stanley Smith Barney Plaza 2, 3rd Floor Jersey City, NJ 07311	409,376.605	8.83%
Y	National Financial Services LLC 200 Liberty Street, 5th Floor One World Financial Center New York, NY 10281-5503	367,603.032	7.93%
Y	Charles Schwab & CO Inc. 101 Montgomery Street San Francisco, CA 94104-4154	292,222.885	6.31%
Putnam U.S. Government Income Trust			
A	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	5,129,202.334	6.93%
A	Merrill, Lynch, Pierce, Fenner & Smith 4800 Deer Lake Drive E, Floor 3 Jacksonville, FL 32246-6484	5,010,652.704	6.77%
A	Wells Fargo Advisors 2801 Market Street Saint Louis, MO 63103	4,036,040.640	5.45%
B	Wells Fargo Advisors 2801 Market Street Saint Louis, MO 63103	563,111.795	27.03%
B	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	437,426.710	21.00%
B	Merrill, Lynch, Pierce, Fenner & Smith 4800 Deer Lake Drive E, Floor 3 Jacksonville, Florida 32246-6484	107,190.475	5.15%
C	Wells Fargo Advisors 2801 Market Street Saint Louis, MO 63103	1,344,168.845	17.80%
C	Merrill, Lynch, Pierce, Fenner & Smith 4800 Deer Lake Drive E, Floor 3 Jacksonville, Florida 32246-6484	898,447.469	11.90%
C	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	873,885.435	11.57%
C	National Financial Services LLC 499 Washington Blvd Jersey City, NJ 07310	653,496.625	8.65%
C	Morgan Stanley Smith Barney Plaza 2, 3rd Floor Jersey City, NJ 07311	649,765.856	8.60%
C	Raymond James Attn: Courtney Waller 880 Carillon Parkway St. Petersburg, FL 33716	401,971.961	5.32%
M	Mitsubishi UFJ Morgan Stanley Securities CO LTD 29-20 Mejiroda 3-Chome, Bunkyo-ku Tokyo 112-8688 Japan	849,830.000	59.37%

Class	Shareholder Name and Address	Holdings	Percentage Owned
Putnam U.S. Government Income Trust (cont.)			
M	Morgan Stanley Smith Barney Plaza 2, 3rd Floor Jersey City, NJ 07311	89,102.719	6.22%
M	National Financial Services LLC 499 Washington Blvd Jersey City, NJ 07310	79,819.313	5.58%
R	Merrill, Lynch, Pierce, Fenner & Smith 4800 Deer Lake Drive E, Floor 3 Jacksonville, Florida 32246-6484	685,429.350	27.03%
R	State Street Bank and Trust 1 Lincoln Street Boston, MA 02111	440,359.645	17.37%
Y	Merrill, Lynch, Pierce, Fenner & Smith 4800 Deer Lake Drive E, Floor 3 Jacksonville, Florida 32246-6484	692,073.061	16.90%
Y	Wells Fargo Advisors 2801 Market Street Saint Louis, MO 63103	413,100.558	10.09%
Y	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	395,374.105	9.65%
Y**	Great-West Trust Company, LLC FBO	374,776.747	9.15%
Y	National Financial Services LLC 499 Washington Blvd Jersey City, NJ 07310	372,789.470	9.10%
Y	Morgan Stanley Smith Barney Plaza 2, 3rd Floor Jersey City, NJ 07311	329,711.841	8.05%
Y**	Great-West Trust Company, LLC The Putnam Retirement Plan	285,656.782	6.97%
Y	Charles Schwab & Co. Inc. 101 Montgomery St. San Francisco, CA 94104-4151	225,869.713	5.52%
Putnam Voyager Fund			
A	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399	7,732,263.511	6.70%
A	Wells Fargo Advisors 2801 Market Street Saint Louis, MO 63103	6,363,745.375	5.51%
A	National Financial Services, LLC 499 Washington St. Jersey City, NJ 07310-2010	6,357,318.661	5.51%
A	Merrill Lynch Pierce Fenner & Smith 4800 Deer Lake Drive E FL 3 Jacksonville, FL 32246-6484	6,279,527.352	5.44%
B	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399	301,338.120	6.62%
B	Merrill Lynch Pierce Fenner & Smith 4800 Deer Lake Drive E FL 3 Jacksonville, FL 32246-6484	280,516.452	6.17%
B	Wells Fargo Advisors 2801 Market Street Saint Louis, MO 63103	248,141.243	5.45%
C	Merrill Lynch Pierce Fenner & Smith 4800 Deer Lake Drive E FL 3 Jacksonville, FL 32246-6484	1,456,743.545	25.73%
C	Morgan Stanley Smith Barney Harborside Financial Center Plaza 2, 3rd Floor Jersey City, NJ 07311	592,250.954	10.46%
C	UBS WM USA 1000 Harbor Blvd Weehawken, NJ 07086	521,496.416	9.21%
C	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399-0001	493,426.657	8.72%

Class	Shareholder Name and Address	Holdings	Percentage Owned
C	Wells Fargo Advisors 2801 Market Street Saint Louis, MO 63103	408,238.569	7.21%
C	Raymond James Attn: Courtney Waller 880 Carillon Parkway St. Petersburg, FL 33716	331,852.809	5.86%
M*	CKS Packaging Inc. 401(k) Plan	90,645.411	9.08%
R	Merrill Lynch Pierce Fenner & Smith 4800 Deer Lake Drive E FL 3 Jacksonville, FL 32246-6484	90,645.411	9.08%
R	Hartford Securities Distribution Attn: UIT Operations PO Box 2999 Hartford, CT 06104	90,645.411	9.08%
R5	Putnam, LLC One Post Office Square Boston, MA 02109	463.415	100.00%
R6**	Great-West Trust Company, LLC The Putnam Retirement Plan	1,094,609.072	99.96%
Y	Merrill Lynch Pierce Fenner & Smith 4800 Deer Lake Drive E FL 3 Jacksonville, FL 32246-6484	1,574,633.571	14.99%
Y	Wells Fargo Advisors 2801 Market Street Saint Louis, MO 63103	789,789.025	7.52%
Y**	Great-West Trust Company, LLC FBO	703,460.282	6.70%
Y	Morgan Stanley Smith Barney Harborside Financial Center Plaza 2, 3rd Floor Jersey City, NJ 07311	614,141.920	5.85%
Y	Pershing, LLC 1 Pershing Plaza Jersey City, NJ 07399	596,853.031	5.68%
Y	National Financial Services, LLC 499 Washington St. Jersey City, NJ 07310-2010	563,251.672	5.36%
Putnam VT Absolute Return Absolute 500 Fund			
IA	Putnam, LLC One Post Office Square Boston, MA 02109 [†]	1,000.000	100.00%
IB	Sun Life Assurance Company of Canada (19) +	1,646,826.282	93.75%
Putnam VT American Government Income Fund			
IA	Hartford Life & Annuity (7) +	3,287,848.407	54.41%
IA	Hartford Life (8) +	2,545,767.647	42.13%
IB	Allstate Life Insurance Company (1) +	2,363,475.952	68.44%
IB	Hartford Life & Annuity (7)	520,693.896	15.08%
IB	Hartford Life (8)	227,941.058	6.60%
Putnam VT Capital Opportunities Fund			
IA	Hartford Life & Annuity (7) +	426,431.496	52.45%
IA	Hartford Life Insurance Co. (9) +	386,628.381	47.55%
IB	Hartford Life & Annuity (7) +	352,030.375	44.95%
IB	Allstate Life Insurance Company (1) +	227,481.392	29.05%
IB	Hartford Life & Annuity (7)	108,717.979	13.88%
IB	Hartford Life Insurance Co. (9)	41,562.964	5.31%
Putnam VT Diversified Income Fund			
IA	Hartford Life & Annuity (7) +	8,077,716.046	48.11%
IA	Hartford Life (8) +	7,527,831.425	44.84%
IB	Hartford Life & Annuity (7) +	17,764,370.459	52.65%
IB	Hartford Life (8)	8,156,812.386	24.18%
IB	Allstate Life Insurance Company (1)	3,810,466.263	11.29%

Class	Shareholder Name and Address	Holdings	Percentage Owned
Putnam VT Equity Income Fund			
IA	Hartford Life & Annuity ⁽⁷⁾ +	6,201,831.022	60.11%
IA	Hartford Life Insurance Co ⁽⁹⁾ +	3,394,037.629	32.90%
IB	Allstate Life Insurance Company ⁽¹⁾ +	4,233,875.931	32.51%
IB	Hartford Life & Annuity ⁽⁷⁾	1,911,727.294	14.68%
IB	Guardian Insurance & Annuity Co. Inc. ⁽⁶⁾	1,732,644.963	13.31%
IB	Metlife Investors VA ⁽¹³⁾	1,382,190.320	10.61%
IB	Hartford Life Insurance Co ⁽⁹⁾	713,274.482	5.48%
Putnam VT George Putnam Balanced Fund			
IA	Hartford Life & Annuity ⁽⁷⁾ +	5,466,396.350	58.50%
IA	Hartford Life ⁽⁸⁾ +	3,477,536.017	37.21%
IB	Allstate Life Insurance Company ⁽¹⁾ +	6,701,596.281	69.92%
IB	Hartford Life & Annuity ⁽⁷⁾	1,612,412.818	16.82%
IB	Hartford Life ⁽⁸⁾	586,969.275	6.12%
IB	Allstate Life of NY ⁽²⁾	568,405.559	5.93%
Putnam VT Global Asset Allocation Fund			
IA	Hartford Life & Annuity ⁽⁷⁾ +	3,670,768.317	47.44%
IA	Hartford Life ⁽⁸⁾ +	3,348,955.793	43.28%
IB	Allstate Life Insurance Company ⁽¹⁾ +	1,370,798.170	41.26%
IB	Hartford Life & Annuity ⁽⁷⁾ +	1,206,973.284	36.33%
IB	Hartford Life ⁽⁸⁾	525,958.264	15.83%
IB	Allstate Life of NY ⁽²⁾	212,853.174	6.41%
Putnam VT Global Equity Fund			
IA	Hartford Life & Annuity ⁽⁷⁾ +	6,844,491.527	51.02%
IA	Hartford Life ⁽⁸⁾ +	5,827,992.036	43.45%
IA	Hartford Life Insurance Co ⁽⁹⁾	690,062.616	5.14%
IB	Allstate Life Insurance Company ⁽¹⁾ +	1,242,502.736	74.29%
IB	Allstate Life of NY ⁽²⁾	129,255.283	7.73%
IB	Retirement Builder Variable Annuity Account ⁽¹⁶⁾	112,615.395	6.73%
IB	Hartford Life & Annuity ⁽⁷⁾	89,019.165	5.32%
Putnam VT Global Health Care Fund			
IA	Hartford Life & Annuity ⁽⁷⁾ +	1,497,633.605	48.27%
IA	Hartford Life ⁽⁸⁾ +	1,389,413.524	44.78%
IB	Riversource Life Insurance Company ⁽¹⁷⁾ +	1,973,363.327	36.78%
IB	Allstate Life Insurance Company ⁽¹⁾ +	1,746,665.134	32.56%
IB	Lincoln National Variable ⁽¹²⁾	585,137.867	10.91%
Putnam VT Global Utilities Fund			
IA	Hartford Life ⁽⁸⁾ +	3,621,415.391	52.63%
IA	Hartford Life & Annuity ⁽⁷⁾ +	2,987,281.380	43.41%
IB	Allstate Life Insurance Company ⁽¹⁾ +	911,633.574	78.05%
IB	Allstate Life of NY ⁽²⁾	107,476.132	9.20%
IB	Hartford Life & Annuity ⁽⁷⁾	101,813.427	8.72%
Putnam VT Growth and Income Fund Putnam			
IA	Hartford Life ⁽⁸⁾ +	23,107,111.460	48.44%
IA	Hartford Life & Annuity ⁽⁷⁾ +	20,759,820.549	43.52%
IB	Allstate Life Insurance Company ⁽¹⁾ +	6,418,062.436	60.81%
IB	Hartford Life & Annuity ⁽⁷⁾	1,019,646.146	9.66%
IB	Allstate Life of NY ⁽²⁾	575,463.636	5.45%
IB	Hartford Life ⁽⁸⁾	538,550.054	5.10%

Class	Shareholder Name and Address	Holdings	Percentage Owned
Putnam VT Growth Opportunities Fund			
IA	Hartford Life & Annuity ⁽⁷⁾ +	986,178.172	55.72%
IA	Hartford Life ⁽⁸⁾ +	750,034.766	42.38%
IB	Allstate Life Insurance Company ⁽¹⁾ +	1,323,153.968	73.97%
IB	Hartford Life & Annuity ⁽⁷⁾	127,093.241	7.11%
IB	Allstate Life of NY ⁽²⁾	122,817.343	6.87%
IB	Hartford Life ⁽⁸⁾	103,696.017	5.80%
IB	Retirement Builder Variable Annuity Account ⁽¹⁶⁾	100,317.322	5.61%
Putnam VT High Yield Fund			
IA	CMFG GROUP ⁽⁵⁾ +	16,203,993.350	39.65%
IA	Hartford Life & Annuity ⁽⁷⁾ +	12,555,176.623	30.72%
IA	Hartford Life ⁽⁸⁾	9,300,268.117	22.76%
IB	Allstate Life Insurance Company ⁽¹⁾ +	5,888,223.698	39.86%
IB	Jefferson National Life ⁽¹¹⁾	1,929,157.074	13.06%
IB	Hartford Life & Annuity ⁽⁷⁾	2,689,129.723	18.20%
IB	Riversource Life Insurance Company ⁽¹⁷⁾	1,353,734.683	9.16%
IB	Security Benefit Life ⁽¹⁸⁾	1,097,287.994	7.43%
Putnam VT Income Fund			
IA	Hartford Life ⁽⁸⁾ +	8,328,784.414	47.45%
IA	Hartford Life & Annuity ⁽⁷⁾ +	7,620,425.868	43.42%
IB	Allstate Life Insurance Company ⁽¹⁾ +	7,106,652.836	64.97%
IB	Allstate Life of NY ⁽²⁾	1,100,183.570	10.06%
IB	Hartford Life & Annuity ⁽⁷⁾	1,878,412.015	17.17%
IB	Hartford Life ⁽⁸⁾	638,007.709	5.83%
Putnam VT International Equity Fund			
IA	Hartford Life & Annuity ⁽⁷⁾ +	5,556,753.736	56.56%
IA	Hartford Life ⁽⁸⁾ +	2,874,501.696	29.26%
IA	Hartford Life Insurance Co ⁽⁹⁾	902,392.446	9.19%
IB	Allstate Life Insurance Company ⁽¹⁾ +	5,601,232.836	27.51%
IB	Hartford Life & Annuity ⁽⁷⁾ +	5,238,855.615	25.73%
IB	Hartford Life ⁽⁸⁾	2,945,355.225	14.47%
IB	Riversource Life Insurance Company ⁽¹⁷⁾	1,887,381.565	9.27%
IB	Allstate Northbrook Life ⁽³⁾	1,581,007.098	7.77%
Putnam VT International Growth Fund			
IA	Hartford Life & Annuity ⁽⁷⁾ +	1,077,561.858	51.56%
IA	Hartford Life ⁽⁸⁾ +	905,692.065	43.33%
IB	Allstate Life Insurance Company ⁽¹⁾ +	758,019.924	80.38%
IB	Hartford Life & Annuity ⁽⁷⁾	68,706.421	7.29%
IB	Allstate Life of NY ⁽²⁾	56,176.353	5.96%
Putnam VT International Value Fund			
IA	Hartford Life & Annuity ⁽⁷⁾ +	3,956,291.498	56.44%
IA	Hartford Life ⁽⁸⁾ +	2,488,245.494	35.50%
IB	Hartford Life & Annuity ⁽⁷⁾ +	2,021,130.912	38.31%
IB	Allstate Life Insurance Company ⁽¹⁾ +	1,531,364.377	29.02%
IB	Hartford Life ⁽⁸⁾	552,453.826	10.47%
IB	AM Gen Signature II A ⁽⁴⁾	484,924.338	9.19%
IB	Lincoln Benefit Life Co ⁽¹²⁾	285,758.568	5.42%

Class	Shareholder Name and Address	Holdings	Percentage Owned
Putnam VT Investors Fund			
IA	Hartford Life ⁽⁸⁾ +	2,906,842.748	49.41%
IA	Hartford Life & Annuity ⁽⁷⁾ +	2,780,014.700	47.25%
IB	Allstate Life Insurance Company ⁽¹⁾ +	3,927,184.805	43.83%
IB	Hartford Life & Annuity ⁽⁷⁾ +	2,851,632.554	31.82%
IB	Hartford Life ⁽⁸⁾	1,772,606.268	19.78%
Putnam VT Money Market Fund			
IA	Hartford Life & Annuity ⁽⁷⁾ +	44,375,063.828	49.17%
IA	Hartford Life ⁽⁸⁾ +	39,787,607.000	44.09%
IB	Allstate Life Insurance Company ⁽¹⁾ +	67,604,960.530	71.80%
IB	Allstate Life of NY ⁽²⁾	15,582,292.760	16.55%
IB	Retirement Builder Variable Annuity Account ⁽¹⁶⁾	4,718,649.130	5.01%
Putnam VT Multi-Cap Growth Fund			
IA	Hartford Life & Annuity ⁽⁷⁾ +	6,246,292.172	31.20%
IA	Hartford Life ⁽⁸⁾ +	5,908,400.218	29.51%
IA	Riversource Life Insurance Company ⁽¹⁷⁾ +	5,464,332.800	27.29%
IB	Allstate Life Insurance Company ⁽¹⁾ +	2,905,237.479	44.80%
IB	Riversource Life Insurance Company ⁽¹⁷⁾	1,241,807.755	19.15%
IB	Hartford Life & Annuity ⁽⁷⁾	1,073,722.554	16.56%
IB	Hartford Life ⁽⁸⁾	363,865.400	5.61%
Putnam VT Multi-Cap Value Fund			
IA	Hartford Life & Annuity ⁽⁷⁾ +	820,383.222	52.06%
IA	Hartford Life Insurance Co ⁽⁹⁾ +	755,560.732	47.94%
IB	Allstate Life Insurance Company ⁽¹⁾ +	412,282.333	59.51%
IB	Hartford Life & Annuity ⁽⁷⁾	162,857.529	23.51%
IB	Hartford Life Insurance Co ⁽⁹⁾	75,722.189	10.93%
Putnam VT Research Fund			
IA	Hartford Life & Annuity ⁽⁷⁾ +	720,143.567	49.39%
IA	Hartford Life ⁽⁸⁾ +	699,697.767	47.99%
IB	Allstate Life Insurance Company ⁽¹⁾ +	1,539,850.944	81.86%
IB	Hartford Life & Annuity ⁽⁷⁾	140,327.561	7.46%
IB	Allstate Life of NY ⁽²⁾	111,215.461	5.91%
Putnam VT Small Cap Value Fund			
IA	Hartford Life & Annuity ⁽⁷⁾ +	1,761,895.874	50.32%
IA	Hartford Life ⁽⁸⁾ +	1,666,546.658	47.59%
IB	Hartford Life & Annuity ⁽⁷⁾ +	3,279,499.501	42.28%
IB	Hartford Life ⁽⁸⁾	1,633,186.909	21.06%
IB	Allstate Life Insurance Company ⁽¹⁾	1,584,926.560	20.43%
IB	Northbrook Life Insurance Company ⁽¹⁴⁾	836,000.352	10.78%
Putnam VT Voyager Fund			
IA	Hartford Life ⁽⁸⁾ +	6,696,376.538	46.76%
IA	Hartford Life & Annuity ⁽⁷⁾ +	6,715,517.616	46.90%
IB	Allstate Life Insurance Company ⁽¹⁾ +	2,196,166.243	48.89%
IB	Hartford Life & Annuity ⁽⁷⁾	604,207.509	13.45%
IB	Principal Financial Group PFLX ⁽¹⁵⁾	422,582.657	9.41%
IB	Hartford Life ⁽³⁾	245,464.364	5.46%
IB	Allstate Northbrook Life ⁽³⁾	238,133.941	5.30%

- * The address for the name listed is: c/o Mercer Trust Company, as trustee or agent, Investors Way, Norwood, MA 02062
- ** The address for the name listed is: c/o Great-West Trust Company, LLC, as trustee or agent, 8515 E. Orchard Road Greenwood Village, CO 80111-5002
- *** The address for the name listed is: c/o Putnam Investments, One Post Office Square, Boston, MA 02109
- **** The address for the name listed above is: c/o Orchard Trust Company, LLC, as trustee or agent, 8515 E. Orchard Road, Greenwood Village, CO 80111-5002
- + Shareholder may be deemed to control the indicated fund

The addresses for the shareholders listed above are:

- (1) Retirement Builder Variable Annuity Account, 4333 Edgewood Rd NE, Cedar Rapids IA 52499-0001
- (2) Allstate Life Insurance Co., 3100 Sanders Road, Northbrook, IL 60062
- (3) Allstate Life of New York, 3100 Sanders Road, Northbrook, IL 60062
- (4) Allstate Northbrook Life, 3100 Sanders Road, Northbrook, IL 60062
- (5) Am Gen Signature II A, 2727 Allen PKWY, Suite A, Houston, Texas 77019-2116
- (6) CMFG Group, 2000 Heritage Way, Waverly, IA 50677
- (7) Guardian Insurance & Annuity, 3900 Burgess Pl, Bethlehem PA 18017
- (8) Hartford Life & Annuity, 1 Griffin Rd. N., Windsor, CT 06095
- (9) Hartford Life, 1 Griffin Rd. N., Windsor, CT 06095
- (10) Hartford Life Insurance Co., 1 Griffin Rd. N., Windsor, CT 06095
- (11) Horace Mann Life Insurance Company, 1 Horace Mann Plz, Springfield, IL 62715
- (12) Lincoln Benefit Life, C/O Allstate Financial, 544 Lakeview Pkwy, Vernon Hills, IL 60061
- (13) Lincoln National Variable, Universal Life, 1300 S. Clinton St., Fort Wayne, IN 46802
- (14) MetLife Investors VA/VL Acct 1, 501 Boylston St., Boston, MA 02116
- (15) Northbrook Life Insurance, 3100 Sanders Rd Ste K4A, Northbrook IL 60062
- (16) Principal Financial Group PFLX, 711 High St, Des Moines, IA 50392
- (17) Riversource Life Insurance Company, 70100 Ameriprise Financial Center, Minneapolis, MN 55474
- (18) Sun Life Assurance Company of Canada (US), 1 Sun Life Executive Park SC3241, Wellesley Hills, MA 02481
- (19) Jefferson National Life, 10350 Ormsby Park Pl, Ste 600, Louisville KY 40223-6175
- (20) Security Benefit Life, Variable Annuity Account XIV, 1 Security Benefit Pl, Topeka KS 66636-1000

Additional ownership information for Putnam closed-end funds

In addition to the holdings information listed above, for the Putnam closed-end funds, as of September 30, 2013, to the knowledge of the funds, the following additional persons owned beneficially or of record more than 5% of the common and, where applicable, preferred shares of certain Putnam closed-end funds.

Fund	Shareholder Name and Address	Holdings	Percentage Owned
Putnam High Income Securities Fund	CEDE & Company* 20 Bowling Green New York, NY 10004-1408	15,707,322	95.12%
	First Trust Portfolios L.P.** First Trust Advisors L.P. The Charger Corporation 120 East Liberty Drive, Suite 400 Wheaton, IL 60187	1,684,710	10.20%
	Guggenheim Capital, LLC*** Guggenheim Partners, LLC GP Holdco, LLC GPFT Holdco, LLC 227 West Monroe Street Chicago, IL 60606		
	Guggenheim Funds Services Holdings, LLC Guggenheim Funds Services, LLC Guggenheim Funds Distributors, LLC 2455 Corporate West Dr. Lisle, IL 60532	1,303,669	7.89%

Class	Shareholder Name and Address	Holdings	Percentage Owned
Putnam Managed Municipal Income Trust			
	CEDE & Company* 20 Bowling Green New York, NY 10004-1408	53,885,264 common shares	93.71%
	First Trust Portfolios L.P.**** First Trust Advisors L.P. The Charger Corporation 120 East Liberty Drive, Suite 400 Wheaton, IL 60187	10,795,436 common shares	18.77%
	Bank of America Corporation# Bank of America, NA Bank of America Corporate Center 100 South Tryon Street Charlotte, NC 28255		
	Blue Ridge Investments, L.L.C.# 214 South Tryon Street Charlotte, NC 28255	1,607 preferred shares	72.22%
Putnam Master Intermediate Income Trust			
	CEDE & Company* 20 Bowling Green New York, NY 10004-1408	59,917,399	95.29%
	First Trust Portfolios L.P.## First Trust Advisors L.P. The Charger Corporation 120 East Liberty Drive, Suite 400 Wheaton, IL 60187	14,698,285 common shares	23.37%
Putnam Municipal Opportunities Trust			
	CEDE & Company* 20 Bowling Green New York, NY 10004-1408	40,550,875	96.52%
	First Trust Portfolios L.P.### First Trust Advisors L.P. The Charger Corporation 120 East Liberty Drive, Suite 400 Wheaton, IL 60187	9,422,608 common shares	22.43%
	Bank of America Corporation#### Bank of America, NA Bank of America Corporate Center 100 South Tryon Street Charlotte, NC 29255	661 preferred shares	9.24%
	Blue Ridge Investments, L.L.C.##### 214 North Tryon Street Charlotte, NC 28255	4,557 preferred shares	63.70%
Putnam Premier Income Trust			
	CEDE & Company* 20 Bowling Green New York, NY 10004-1408	127,598,742	94.02%
	First Trust Portfolios L.P.##### First Trust Advisors L.P. The Charger Corporation 120 East Liberty Drive, Suite 400 Wheaton, IL 60187	32,227,528	23.75%

* Believed to hold shares only as nominee.

** First Trust Portfolios, L.P., First Trust Advisors L.P., and The Charger Corporation reported shared beneficial share ownership as of December 31, 2012 in a January 25, 2013 filing with the SEC on Schedule 13G. Some or all of this 10.20% position may already be reflected in Cede & Company's position in the fund.

*** Guggenheim Capital, LLC, Guggenheim Partners, LLC, GP Holdco, LLC, GPFT Holdco, LLC, Guggenheim Funds Services Holdings, LLC, Guggenheim Funds Services, LLC, and Guggenheim Funds Distributors, LLC reported shared beneficial ownership as of December 31, 2012 in a February 14, 2013 filing with the SEC on Schedule 13G. Some or all of this 7.89% position may already be reflected in Cede & Company's position in the fund.

**** First Trust Portfolios L.P., First Trust Advisors L.P., and The Charger Corporation reported shared beneficial share ownership as of December 31, 2012 in a January 9, 2013 filing with the SEC on Schedule 13G. Some or all of this 18.77% may already be reflected in Cede & Company's position in the fund.

Bank of America Corporation and Blue Ridge Investments, L.L.C. reported shared beneficial ownership as of January 1, 2011 in a January 11, 2011 filing with the SEC on Schedule 13D.

First Trust Portfolios, L.P., First Trust Advisors L.P., and The Charger Corporation reported shared beneficial share ownership as of December 31, 2012 in a January 14, 2013 filing with the SEC on Schedule 13G. Some or all of this 23.37% position may already be reflected in Cede & Company's position in the fund.

First Trust Portfolios, L.P., First Trust Advisors L.P., and The Charger Corporation reported shared beneficial share ownership as of December 31, 2012 in a January 10, 2013 filing with the SEC on Schedule 13G. Some or all of this 22.43% position may already be reflected in Cede & Company's position in the fund.

Bank of America Corporation and Blue Ridge Investments, L.L.C. reported shared beneficial ownership as of January 1, 2011 in a January 11, 2011 filing with the SEC on Schedule 13D.

First Trust Portfolios, L.P., First Trust Advisors L.P., and The Charger Corporation reported shared beneficial share ownership as of December 31, 2012 in a January 9, 2013 filing with the SEC on Schedule 13G. Some or all of this 23.75% position may already be reflected in Cede & Company's position in the fund.

Appendix L — Form of Amended and Restated Declaration of Trust

[INSERT NAME OF FUND]

AMENDED AND RESTATED AGREEMENT AND DECLARATION OF TRUST

This AMENDED AND RESTATED AGREEMENT AND DECLARATION OF TRUST made at Boston, Massachusetts, on this ____ day of _____, 2014, hereby amends and restates in its entirety the Agreement and Declaration of Trust dated _____, as heretofore amended, by the Trustees hereunder and by the holders of shares of beneficial interest issued hereunder as hereinafter provided.

WITNESSETH that

WHEREAS, this Trust has been formed to carry on the business of an investment company; and

WHEREAS, the Trustees have agreed to manage all property coming into their hands as trustees of a Massachusetts voluntary association with transferable shares in accordance with the provisions hereinafter set forth;

NOW, THEREFORE, the Trustees hereby declare that they will hold all cash, securities and other assets, which they may from time to time acquire in any manner as Trustees hereunder IN TRUST to manage and dispose of the same upon the following terms and conditions for the benefit of the holders from time to time of Shares in this Trust as hereinafter set forth.

ARTICLE I

Name and Definitions

Name

Section 1. This Trust shall be known as “[insert name of fund]” and the Trustees shall conduct the business of the Trust under that name or any other name as they may from time to time determine.

Definitions

Section 2. Whenever used herein, unless otherwise required by the context or specifically provided:

(a) The “Trust” refers to the Massachusetts business trust established by this Agreement and Declaration of Trust, as amended from time to time;

(b) “Trustees” refers to the Trustees of the Trust elected in accordance with Article IV;

(c) “Shares” means the equal proportionate transferable units of interest into which the beneficial interest in the Trust shall be divided from time to time or, if more than one series or class of Shares is authorized by the Trustees, the equal proportionate transferable units into which each series or class of Shares shall be divided from time to time;

(d) “Shareholder” means a record owner of Shares;

(e) The “1940 Act” refers to the Investment Company Act of 1940 and the Rules and Regulations thereunder, all as amended from time to time;

(f) The terms “Affiliated Person”, “Assignment”, “Commission”, “Interested Person”, “Principal Underwriter” and “Majority Shareholder Vote” (the 67% or 50% requirement of the third sentence of Section 2(a)(42) of the 1940 Act, whichever may be applicable) shall have the meanings given them in the 1940 Act (as modified by any applicable exemptive order issued thereunder by the Securities and Exchange Commission);

(g) “Declaration of Trust” shall mean this Agreement and Declaration of Trust as amended or restated from time to time;

(h) “Bylaws” shall mean the Bylaws of the Trust as amended or restated from time to time;

(i) The term “series” or “series of Shares” refers to the one or more separate investment portfolios of the Trust into which the assets and liabilities of the Trust may be divided and the Shares of the Trust representing the beneficial interest of Shareholders in such respective portfolios; and

(j) The term “class” or “class of Shares” refers to the division of Shares representing any series into two or more classes as provided in Article III, Section 1 hereof.

ARTICLE II

Purpose of Trust

The purpose of the Trust is to provide investors a managed investment primarily in securities, debt instruments and other instruments and rights of a financial character.

ARTICLE III

Shares

Division of Beneficial Interest

Section 1. The number of Shares authorized shall be unlimited. The Shares of the Trust shall be issued in one or more series as the Trustees may, without shareholder approval, authorize. Each series shall be preferred over all other series in respect of the assets allocated to that series within the meaning of the 1940 Act and shall represent a separate investment portfolio of the Trust. The beneficial interest in each series shall at all times be divided into Shares, without par value unless otherwise determined by the Trustees, each of which shall, except as provided in the following sentence, represent an equal proportionate interest in the series with each other Share of the same series, none having priority or preference over another. The Trustees may, without Shareholder approval, divide the Shares of any series into two or more classes, Shares of each such class having such preferences and special or relative rights and privileges (including conversion rights, if any) as the Trustees may determine and as shall be set forth in the Bylaws. The Trustees may, without Shareholder approval, from time to time divide or

combine the Shares of any series or class into a greater or lesser number without thereby changing the proportionate beneficial interest in the series or class. The Trustees may also, without shareholder approval, from time to time combine the Shares or two or more classes of any series into a single class.

Ownership of Shares

Section 2. The ownership of Shares shall be recorded on the books of the Trust or a transfer or similar agent. No certificates certifying the ownership of Shares shall be issued except as the Trustees may otherwise determine from time to time. The Trustees may make such rules as they consider appropriate for the issuance of Share certificates, the retirement of Share certificates, the transfer of Shares and similar matters. The record books of the Trust as kept by the Trust or any transfer or similar agent, as the case may be, shall be conclusive as to who are the Shareholders of each series and class and as to the number of Shares of each series and class held from time to time by each Shareholder.

Investment in the Trust

Section 3. The Trustees shall accept investments in the Trust from such persons and on such terms and for such consideration, which may consist of cash or tangible or intangible property or a combination thereof, as they or the Bylaws from time to time authorize.

All consideration received by the Trust for the issue or sale of Shares of each series, together with all income, earnings, profits, and proceeds thereof, including any proceeds derived from the sale, exchange or liquidation thereof, and any funds or payments derived from any reinvestment of such proceeds in whatever form the same may be, shall irrevocably belong to the series of Shares with respect to which the same were received by the Trust for all purposes, subject only to the rights of creditors, and shall be so handled upon the books of account of the Trust and are herein referred to as "assets of" such series.

No Preemptive Rights

Section 4. Shareholders shall have no preemptive or other right to subscribe to any additional Shares or other securities issued by the Trust.

Status of Shares and Limitation of Personal Liability

Section 5. Shares shall be deemed to be personal property giving only the rights provided in this Declaration of Trust or the Bylaws. Every Shareholder by virtue of having become a Shareholder shall be held to have expressly assented and agreed to the terms of this Declaration of Trust and the Bylaws and to have become a party thereto. The death of a Shareholder during the continuance of the Trust shall not operate to terminate the same nor entitle the representative of any deceased Shareholder to an accounting or to take any action in court or elsewhere against the Trust or the Trustees, but only to the rights of said decedent under this Trust. Ownership of Shares shall not entitle the Shareholder to any title in or to the whole or any part of the Trust property or right to call for a partition or division of the

same or for an accounting, nor shall the ownership of Shares constitute the Shareholders partners. Neither the Trust nor the Trustees, nor any officer, employee or agent of the Trust shall have any power to bind personally any Shareholder, nor except as specifically provided herein to call upon any Shareholder for the payment of any sum of money or assessment whatsoever other than such as the Shareholder may at any time personally agree to pay.

Derivative Actions

Section 6. No Shareholder shall have the right to bring or maintain any court action, proceeding or claim on behalf of the Trust without first making demand on the Trustees requesting the Trustees to bring or maintain such action, proceeding or claim. Such demand shall be mailed to the Clerk of the Trust at the Trust's principal office and shall set forth in reasonable detail the nature of the proposed court action, proceeding or claim and the essential facts relied upon by the Shareholder to support the allegations made in the demand. The Trustees may determine whether the bringing or maintenance of any such action, proceeding or claim is in the best interests of the Trust or, alternatively in their sole discretion, may submit the matter to a vote of the Shareholders of the Trust. Any such determination made by the Trustees in good faith shall be binding on all Shareholders.

Exclusive Selection of Forum for Certain Shareholder Actions

Section 7. Any action brought by a Shareholder seeking to enforce any right or privilege of Shareholders under this Declaration of Trust, challenging the powers of the Trustees thereunder, alleging a breach of fiduciary duty by any Trustee or officer of the Trust or otherwise involving primarily the internal affairs of the Trust may be brought only in the courts of the Commonwealth of Massachusetts.

ARTICLE IV
The Trustees

Election

Section 1. A Trustee may be elected either by the Trustees or by the Shareholders. The number of Trustees shall be fixed from time to time by the Trustees and, at or after the commencement of the business of the Trust, shall be not less than three. Each Trustee elected by the Trustees or the Shareholders shall serve until he or she retires, resigns, is removed or dies or until the next meeting of Shareholders called for the purpose of electing Trustees and until the election and qualification of his or her successor.

Removal

Section 2. A Trustee may be removed (i) by vote of the holders of two-thirds of the outstanding Shares at a meeting called for the purpose or (ii) by vote of two-thirds of the Trustees.

Effect of Death, Resignation, etc. of a Trustee

Section 3. The death, declination, resignation, retirement, removal or incapacity of the Trustees, or any one of them, shall not operate to annul the Trust or to revoke any existing agency created pursuant to the terms of this Declaration of Trust.

Powers

Section 4. Subject to the provisions of this Declaration of Trust, the business of the Trust shall be managed by the Trustees, and they shall have all powers necessary or convenient to carry out that responsibility. Without limiting the foregoing, the Trustees may adopt Bylaws not inconsistent with this Declaration of Trust providing for the conduct of the business of the Trust and may amend and repeal them to the extent that such Bylaws do not reserve that right to the Shareholders; they may fill vacancies in or add to their number, and may elect and remove such officers and appoint and terminate such agents as they consider appropriate; they may appoint from their own number, and terminate, any one or more committees consisting of two or more Trustees, including an executive committee which may, when the Trustees are not in session, exercise some or all of the power and authority of the Trustees as the Trustees may determine; they may employ one or more custodians of the assets of the Trust and may authorize such custodians to employ subcustodians and to deposit all or any part of such assets in a system or systems for the central handling of securities, retain a transfer agent or a Shareholder servicing agent, or both, provide for the distribution of Shares by the Trust, through one or more principal underwriters or otherwise, set record dates for the determination of Shareholders with respect to various matters, and in general delegate such authority as they consider desirable to any officer of the Trust, to any committee of the Trustees and to any agent or employee of the Trust or to any such custodian or underwriter.

Without limiting the foregoing, the Trustees shall have power and authority:

- (a) To invest and reinvest cash, and to hold cash uninvested;
- (b) To sell, exchange, lend, pledge, mortgage, hypothecate, write options on and lease any or all of the assets of the Trust;
- (c) To vote or give assent, or exercise any rights of ownership, with respect to stock or other securities or property; and to execute and deliver proxies or powers of attorney to such person or persons as the Trustees shall deem proper, granting to such person or persons such power and discretion with relation to securities or property as the Trustees shall deem proper;
- (d) To exercise powers and rights of subscription or otherwise which in any manner arise out of ownership of securities;
- (e) To hold any security or property in a form not indicating any trust, whether in bearer, unregistered or other negotiable form, or in the name of the Trustees or of the Trust or in the name of a custodian, subcustodian or other depository or a nominee or nominees or otherwise;
- (f) Subject to the provisions of Article III, Section 3, to allocate assets, liabilities, income and expenses of the Trust to a particular series of Shares or to apportion the same among two or more series, provided that any liabilities or expenses incurred by or arising in connection with a particular series of Shares shall be

payable solely out of the assets of that series; and to the extent necessary or appropriate to give effect to the preferences and special or relative rights and privileges of any classes of Shares, to allocate assets, liabilities, income and expenses of a series to a particular class of Shares of that series or to apportion the same among two or more classes of Shares of that series;

(g) To consent to or participate in any plan for the reorganization, consolidation or merger of any corporation or issuer, any security of which is or was held in the Trust; to consent to any contract, lease, mortgage, purchase or sale of property by such corporation or issuer, and to pay calls or subscriptions with respect to any security held in the Trust;

(h) To join other security holders in acting through a committee, depository, voting trustee or otherwise, and in that connection to deposit any security with, or transfer any security to, any such committee, depository or trustee, and to delegate to them such power and authority with relation to any security (whether or not so deposited or transferred) as the Trustees shall deem proper, and to agree to pay, and to pay, such portion of the expenses and compensation of such committee, depository or trustee as the Trustees shall deem proper;

(i) To compromise, arbitrate or otherwise adjust claims in favor of or against the Trust or any matter in controversy, including but not limited to claims for taxes;

(j) To enter into joint ventures, general or limited partnerships and any other combinations or associations;

(k) To borrow funds;

(l) To endorse or guarantee the payment of any notes or other obligations of any person; to make contracts of guaranty or suretyship, or otherwise assume liability for payment thereof; and to mortgage and pledge the Trust property or any part thereof to secure any of or all such obligations;

(m) To purchase and pay for entirely out of Trust property such insurance as they may deem necessary or appropriate for the conduct of the business, including without limitation, insurance policies insuring the assets of the Trust and payment of distributions and principal on its portfolio investments, and insurance policies insuring the Shareholders, Trustees, officers, employees, agents, investment advisers or managers, principal underwriters, or independent contractors of the Trust individually against all claims and liabilities of every nature arising by reason of holding, being or having held any such office or position, or by reason of any action alleged to have been taken or omitted by any such person as Shareholder, Trustee, officer, employee, agent, investment adviser or manager, principal underwriter, or independent contractor, including any action taken or omitted that may be determined to constitute negligence, whether or not the Trust would have the power to indemnify such person against such liability; and

(n) To pay pensions for faithful service, as deemed appropriate by the Trustees, and to adopt, establish and carry out pension,

profit-sharing, share bonus, share purchase, savings, thrift and other retirement, incentive and benefit plans, trusts and provisions, including the purchasing of life insurance and annuity contracts as a means of providing such retirement and other benefits, for any or all of the Trustees, officers, employees and agents of the Trust.

The Trustees shall not in any way be bound or limited by any present or future law or custom in regard to investments by trustees. Except as otherwise provided herein or from time to time in the Bylaws, any action to be taken by the Trustees may be taken by a majority of the Trustees present at a meeting of the Trustees (a quorum being present), within or without Massachusetts, including any meeting held by means of a conference telephone or other communications equipment by means of which all persons participating in the meeting can hear each other at the same time and participation by such means shall constitute presence in person at a meeting, or by written consents of a majority of the Trustees then in office.

Payment of Expenses by Trust

Section 5. The Trustees are authorized to pay or to cause to be paid out of the assets of the Trust, all expenses, fees, charges, taxes and liabilities incurred or arising in connection with the Trust, or in connection with the management thereof, including, but not limited to, the Trustees' compensation and such expenses and charges for the services of the Trust's officers, employees, investment adviser or manager, principal underwriter, auditor, counsel, custodian, transfer agent, Shareholder servicing agent, and such other agents or independent contractors and such other expenses and charges as the Trustees may deem necessary or proper to incur, provided, however, that all expenses, fees, charges, taxes and liabilities incurred by or arising in connection with a particular series of Shares shall be payable solely out of the assets of that series.

Ownership of Assets of the Trust

Section 6. Title to all of the assets of each series of Shares and of the Trust shall at all times be considered as vested in the Trustees.

Advisory, Management and Distribution

Section 7. Subject to a favorable Majority Shareholder Vote to the extent required by applicable law, the Trustees may, at any time and from time to time, contract for exclusive or nonexclusive advisory and/or management services with any corporation, trust, association or other organization (the "Manager"), every such contract to comply with such requirements and restrictions as may be set forth in the Bylaws; and any such contract may contain such other terms interpretive of or in addition to said requirements and restrictions as the Trustees may determine, including, without limitation, authority to determine from time to time what investments shall be purchased, held, sold or exchanged and what portion, if any, of the assets of the Trust shall be held uninvested and to make changes in the Trust's investments. The Trustees may also, at any time and from time

to time, contract with the Manager or any other corporation, trust, association or other organization, appointing it exclusive or nonexclusive distributor or principal underwriter for the Shares, every such contract to comply with such requirements and restrictions as may be set forth in the Bylaws; and any such contract may contain such other terms interpretive of or in addition to said requirements and restrictions as the Trustees may determine.

The fact that:

(i) any of the Shareholders, Trustees or officers of the Trust is a shareholder, director, officer, partner, trustee, employee, manager, adviser, principal underwriter or distributor or agent of or for any corporation, trust, association, or other organization, or of or for any parent or affiliate of any organization, with which an advisory or management contract, or principal underwriter's or distributor's contract, or transfer, Shareholder servicing or other agency contract may have been or may hereafter be made, or that any such organization, or any parent or affiliate thereof, is a Shareholder or has an interest in the Trust, or that

(ii) any corporation, trust, association or other organization with which an advisory or management contract or principal underwriter's or distributor's contract, or transfer, Shareholder servicing or other agency contract may have been or may hereafter be made also has an advisory or management contract, or transfer, Shareholder servicing or other agency contract with one or more other corporations, trusts, associations, or other organizations, or has other business or interests

shall not affect the validity of any such contract or disqualify any Shareholder, Trustee or officer of the Trust from voting upon or executing the same or create any liability or accountability to the Trust or its Shareholders.

ARTICLE V

Shareholders' Voting Powers and Meetings

Voting Powers

Section 1. Subject to the voting powers of one or more classes of Shares as set forth elsewhere in this Declaration of Trust or in the Bylaws, the Shareholders shall have power to vote only (i) for the election of Trustees as provided in Article IV, Section 1, (ii) for the removal of Trustees as provided in Article IV, Section 2, (iii) with respect to any Manager as provided in Article IV, Section 6, (iv) with respect to any termination of this Trust to the extent and as provided in Article IX, Section 4, (v) with respect to any amendment of this Declaration of Trust to the extent and as provided in Article IX, Section 8, and (vi) with respect to such additional matters relating to the Trust as may be required by this Declaration of Trust, the Bylaws or any registration of the Trust with the Securities and Exchange Commission (or any successor agency) or any state, or as the Trustees may consider necessary or desirable. Each whole Share shall be entitled to one vote as to any matter on which it is entitled to vote and each fractional Share shall be entitled to a proportionate fractional vote. On any

matter submitted to a vote of Shareholders, all Shares of the Trust then entitled to vote shall, except as otherwise provided in the Bylaws, be voted in the aggregate as a single class without regard to series or classes of shares, except (1) when required by the 1940 Act or when the Trustees shall have determined that the matter affects one or more series or classes of Shares materially differently, Shares shall be voted by individual series or class; and (2) when the Trustees have determined that the matter affects only the interests of one or more series or classes, only Shareholders of such series or classes shall be entitled to vote thereon. There shall be no cumulative voting in the election of Trustees. Shares may be voted in person or by proxy. A proxy with respect to Shares held in the name of two or more persons shall be valid if executed by any one of them unless at or prior to exercise of the proxy the Trust receives a specific written notice to the contrary from any one of them. A proxy purporting to be executed by or on behalf of a Shareholder shall be deemed valid unless challenged at or prior to its exercise and, in the case of a challenge by any person other than the Trust, the burden of proving invalidity shall rest on the challenger. Until Shares of any series or class are issued, the Trustees may exercise all rights of Shareholders and may take any action required by law, this Declaration of Trust or the Bylaws to be taken by Shareholders as to such series or class.

Voting Power and Meetings

Section 2. Meetings of Shareholders of any or all series or classes may be called by the Trustees from time to time for the purpose of taking action upon any matter requiring the vote or authority of the Shareholders of such series or classes as herein provided or upon any other matter deemed by the Trustees to be necessary or desirable. Written notice of any meeting of Shareholders shall be given or caused to be given by the Trustees by mailing such notice at least seven days before such meeting, postage prepaid, stating the time, place and purpose of the meeting, to each Shareholder entitled to vote at such meeting at the Shareholder's address as it appears on the records of the Trust. If the Trustees shall fail to call or give notice of any meeting of Shareholders for a period of 30 days after written application by Shareholders holding at least 10% of the then outstanding shares of all series and classes entitled to vote at such meeting requesting a meeting to be called for a purpose requiring action by the Shareholders as provided herein or in the Bylaws, then Shareholders holding at least 10% of the then outstanding Shares of all series and classes entitled to vote at such meeting may call and give notice of such meeting, and thereupon the meeting shall be held in the manner provided for herein in case of call thereof by the Trustees. Notice of a meeting need not be given to any Shareholder if a written waiver of notice, executed by him or her before or after the meeting, is filed with the records of the meeting, or to any Shareholder who attends the meeting without protesting prior thereto or at its commencement the lack of notice to him or her.

Quorum and Required Vote

Section 3. Thirty percent of Shares entitled to vote on a particular matter shall be a quorum for the transaction of business on that matter at a Shareholders' meeting, except that where any provision of law or of this Declaration of Trust or the Bylaws requires that holders of any series or class shall vote as an individual series or class, then thirty percent of the aggregate number of Shares of that series or class entitled to vote shall be necessary to constitute a quorum for the transaction of business by that series or class. Any lesser number shall be sufficient for adjournments. Any adjourned session or sessions may be held, within a reasonable time after the date set for the original meeting, without the necessity of further notice. Except when a larger vote is required by any provision of law or of this Declaration of Trust or the Bylaws, a majority of the Shares voted shall decide any questions and a plurality shall elect a Trustee, provided that where any provision of law or of this Declaration of Trust or the Bylaws requires that the holders of any series or class shall vote as an individual series or class then a majority of the Shares of that series or class voted on the matter (or a plurality with respect to the election of a Trustee) shall decide that matter insofar as that series or class is concerned.

Action by Written Consent

Section 4. Any action taken by Shareholders may be taken without a meeting if a majority of Shareholders entitled to vote on the matter (or such larger proportion thereof as shall be required by any express provision of this Declaration of Trust or the Bylaws) consent to the action in writing and such written consents are filed with the records of the meetings of Shareholders. Such consent shall be treated for all purposes as a vote taken at a meeting of Shareholders.

Additional Provisions

Section 5. The Bylaws may include further provisions, not inconsistent with this Declaration of Trust, regarding Shareholders' voting powers, the conduct of meetings and related matters.

ARTICLE VI

Distributions, Redemptions and Repurchases

Distributions

Section 1. The Trustees may each year, or more frequently if they so determine, distribute to the Shareholders of each series out of the assets of such series such amounts as the Trustees may determine. Any such distribution to the Shareholders of a particular series shall be made to said Shareholders pro rata in proportion to the number of Shares of such series held by each of them, except to the extent otherwise required or permitted by the preferences and special or relative rights and privileges of any classes of Shares of that Series, and any distribution to the Shareholders of a particular class of Shares shall be made to such Shareholders pro rata in proportion to the number of Shares of such class held by each of them. Such distributions shall be made in cash, Shares or other property, or a combination thereof, as determined by the Trustees. Any such distribution

paid in Shares will be paid at the net asset value thereof as determined in accordance with the Bylaws.

Redemptions and Repurchases

Section 2. The Trust shall purchase such Shares as are offered by any Shareholder for redemption, upon the presentation of any certificate for the Shares to be purchased, a proper instrument of transfer and a request directed to the Trust or a person designated by the Trust that the Trust purchase such Shares, or in accordance with such other procedures for redemption as the Trustees may from time to time authorize; and the Trust will pay therefor the net asset value thereof, as next determined in accordance with the Bylaws, less any redemption charge fixed by the Trustees. Payment for said Shares shall be made by the Trust to the Shareholder within seven days after the date on which the request is made. The obligation set forth in this Section 2 is subject to the provision that in the event that at any time the New York Stock Exchange is closed for other than customary weekends or holidays, or, if permitted by rules of the Securities and Exchange Commission, during periods when trading on the Exchange is restricted or during any emergency which makes it impractical for the Trust to dispose of its investments or to determine fairly the value of its net assets, or during any other period permitted by order of the Securities and Exchange Commission for the protection of investors, such obligation may be suspended or postponed by the Trustees. The Trust may also purchase or repurchase Shares at a price not exceeding the net asset value of such Shares in effect when the purchase or repurchase or any contract to purchase or repurchase is made. Payment for any redemption, purchase or repurchase may be made in cash or, except to the extent prohibited by the laws of any jurisdiction in which Shares are registered for sale, in other property or any combination thereof. The composition of any such payment shall be determined by the Trust in its sole discretion, and the Trust shall have no obligation to effect a pro rata division of cash or other property in making any such payment. In no event shall the Trust be liable for any delay of any other person in transferring securities or other property selected for delivery as all or part of any such payment.

Redemption at the Option of the Trust

Section 3. The Trust shall have the right at its option and at any time to redeem Shares of any Shareholder at the net asset value thereof as determined in accordance with the Bylaws: (i) if at such time such Shareholder owns fewer Shares than, or Shares having an aggregate net asset value of less than, an amount determined from time to time by the Trustees, in which case the Trust may redeem all Shares owned by such Shareholder or only so many of such Shares as may be required to compensate the Trust for any fee fixed from time to time by the Trustees for the maintenance of small accounts; (ii) to the extent that such Shareholder owns Shares of a particular series of Shares equal to or in excess of a percentage of the outstanding Shares of that series determined from time to time by the Trustees; (iii) to the extent that such Shareholder owns Shares of the

Trust representing a percentage equal to or in excess of such percentage of the aggregate number of outstanding Shares of the Trust or the aggregate net asset value of the Trust determined from time to time by the Trustees; (iv) if such Shareholder fails to supply appropriate personal and tax identification information requested by the Trust; (v) if such Shareholder fails to meet or maintain the qualifications for ownership of a particular series or class; or (vi) if the Trustees determine for any other reason, in their sole discretion, that the ownership of Shares by a Shareholder is not in the best interests of the remaining Shareholders of the Trust or of the applicable series or class.

ARTICLE VII

Compensation and Limitation of Liability of Trustees

Compensation

Section 1. The Trustees as such shall be entitled to reasonable compensation from the Trust; they may fix the amount of their compensation. Nothing herein shall in any way prevent the employment of any Trustee for advisory, management, legal, accounting, investment banking or other services and payment for the same by the Trust.

Limitation of Liability

Section 2. A Trustee shall be liable for his or her own willful misfeasance, bad faith, gross negligence or reckless disregard of the duties involved in the conduct of the office of Trustee, and for nothing else. The Trustees shall not be responsible or liable in any event for any neglect or wrongdoing of any officer, agent, employee, manager or principal underwriter of the Trust, nor shall any Trustee be responsible for the act or omission of any other Trustee. The appointment, designation or identification of a Trustee as an officer of the Trustees or of any committee of the Trustees, or as an expert with respect to certain matters (including without limitation identification of a Trustee as an "audit committee financial expert") shall not impose on that person any duty, obligation or liability that is greater than the duties, obligations and liabilities imposed on that person as a Trustee in the absence of such appointment, designation or identification, and no Trustee who has special skills or expertise or who is appointed, designated or identified as aforesaid, shall be held to a higher standard of care by virtue thereof or be limited in any way with respect to any right or privilege to which such person would otherwise be entitled as a Trustee hereunder, including without limitation the right of indemnification. Nothing herein contained shall protect any Trustee against any liability to which he or she would otherwise be subject by reason of willful misfeasance, bad faith, gross negligence or reckless disregard of the duties involved in the conduct of his or her office.

ARTICLE VIII

Indemnification

Trustees, Officers, etc.

Section 1. The Trust shall indemnify each of its Trustees and officers (including persons who serve at the Trust's request as

directors, officers or trustees of another organization in which the Trust has any interest as a shareholder, creditor or otherwise) (hereinafter referred to as a "Covered Person") against all liabilities and expenses, including but not limited to amounts paid in satisfaction of judgments, in compromise or as fines and penalties, and counsel fees reasonably incurred by any Covered Person in connection with the defense or disposition of any threatened, pending, or contemplated action, suit, or proceeding, whether civil, criminal, administrative, arbitral, or investigative and whether formal or informal before any court or administrative or legislative or other body, in which such Covered Person may be or may have been involved as a party or otherwise or with which such Covered Person may be or may have been threatened, while in office or thereafter, by reason of being or having been such a Covered Person except with respect to any matter as to which such Covered Person shall have been finally adjudicated in any such action, suit or other proceeding (a) not to have acted in good faith, (b) not to have acted in the reasonable belief that such Covered Person's action was in the best interests of the Trust or at least was not opposed to the best interests of the Trust, (c) in the case of a criminal proceeding, to have had reasonable cause to believe his or her action was unlawful or (d) to be liable to the Trust or its Shareholders by reason of willful misfeasance, bad faith, gross negligence or reckless disregard of the duties involved in the conduct of such Covered Person's office (each of such exceptions being referred to hereinafter as "Disabling Conduct"). Expenses, including counsel fees so incurred by any such Covered Person (but excluding amounts paid in satisfaction of judgments, in compromise or as fines or penalties), shall be paid from time to time by the Trust in advance of the final disposition of any such action, suit or proceeding upon receipt of an undertaking by or on behalf of such Covered Person to repay amounts so paid to the Trust if it is ultimately determined that indemnification of such expenses is not authorized under this Article, provided, however, that either (a) such Covered Person shall have provided appropriate security for such undertaking, (b) the Trust shall be insured against losses arising from any such advance payments or (c) either a majority of the disinterested Trustees acting on the matter (provided that a majority of the disinterested Trustees then in office act on the matter), or independent legal counsel in a written opinion, shall have determined, based upon a review of readily available facts (as opposed to a full trial type inquiry) that there is reason to believe that such Covered Person will be found entitled to indemnification under this Article. In making any such determination, the disinterested Trustees or such counsel, as the case may be, shall afford the Covered Person a rebuttable presumption that the Covered Person did not engage in Disabling Conduct.

Compromise Payment

Section 2. As to any matter disposed of (whether by a compromise payment, pursuant to a consent decree or otherwise) without an adjudication by a court, or by any other body before which the action, suit, or proceeding was brought, that such Covered Person engaged in Disabling Conduct, indemnification shall be provided if (a) approved as in the best interests of the Trust, after notice that it involves such indemnification, by at least a majority of the disinterested Trustees acting on the matter (provided that a majority of the disinterested Trustees then in office act on the matter) upon a determination, based upon a review of readily available facts (as opposed to a full trial type inquiry) that such Covered Person did not engage in Disabling Conduct, or (b) there has been obtained an opinion in writing of independent legal counsel, based upon a review of readily available facts (as opposed to a full trial type inquiry) to the effect that such Covered Person did not engage in Disabling Conduct. Any approval pursuant to this Section shall not prevent the recovery from any Covered Person of any amount paid to such Covered Person in accordance with this Section as indemnification if such Covered Person is subsequently adjudicated by a court of competent jurisdiction not to have engaged in Disabling Conduct.

Right Not Exclusive

Section 3. The right of indemnification hereby provided shall not be exclusive of or affect any other rights to which such Covered Person may be entitled. As used in this Article VIII, the term "Covered Person" shall include such person's heirs, executors and administrators and a "disinterested Trustee" is a Trustee who is not an "interested person" of the Trust as defined in Section 2(a)(19) of the 1940 Act (or who has been exempted from being an "interested person" by any rule, regulation or order of the Securities and Exchange Commission) and against whom none of such actions, suits or other proceedings or another action, suit or other proceeding on the same or similar grounds is then or has been pending. Nothing contained in this Article shall affect any rights to indemnification to which personnel of the Trust, other than Trustees or officers, and other persons may be entitled by contract or otherwise under law, nor the power of the Trust to purchase and maintain liability insurance on behalf of any such person.

Shareholders

Section 4. In case any Shareholder or former Shareholder shall be held to be personally liable solely by reason of his or her being or having been a Shareholder and not because of his or her acts or omissions or for some other reason, the Shareholder or former Shareholder (or his or her heirs, executors, administrators or other legal representative or in the case of a corporation or other entity, its corporate or other general successor) shall be entitled to be held harmless from and indemnified against all loss and expense arising from such liability, but only out of the assets of the particular series of Shares of which he or she is or was a Shareholder.

ARTICLE IX
Miscellaneous

Trustees, Shareholders, etc. Not Personally Liable for Obligations of the Trust; Notice

Section 1. All persons extending credit to, contracting with or having any claim against the Trust or a particular series of Shares shall look only to the assets of the Trust or the assets of that particular series of Shares for payment under such credit, contract or claim, and neither the Shareholders nor the Trustees, nor any of the Trust's officers, employees or agents, whether past, present or future, shall be personally liable therefor.

Every note, bond, contract, instrument, certificate or undertaking and every other act or thing whatsoever executed or done by any Trustee, officer, employee or agent on behalf of the Trust or the Trustees or any of them in connection with the Trust shall be conclusively deemed to have been executed or done only in or with respect to such person's capacity as a Trustee, officer, employee or agent, and such person shall not be personally liable thereon.

Every note, bond, contract, instrument, certificate or undertaking executed on behalf of the Trust by any Trustee, officer, employee or agent of the Trust shall give notice that this Declaration of Trust is on file with the Secretary of State of The Commonwealth of Massachusetts and shall recite that the same was executed by them on behalf of the Trust in their capacity as Trustees, officers, employees or agents of the Trust and not individually and that the obligations of such instrument are not binding upon any of them or the Shareholders individually but are binding only upon the assets and property of the Trust, and may contain such further recitals as the person so executing may deem appropriate, but any omission of such notice or recitals shall not operate to bind any such Trustee, officer, employee or agent or the Shareholders individually.

Trustees' Faith Actions Binding; Expert Advice; No Bond or Surety

Section 2. The exercise by the Trustees of their powers and discretions hereunder shall be binding upon everyone interested. The Trustees may take advice of counsel or other experts with respect to the meaning and operation of this Declaration of Trust, and shall be under no liability for any act or omission taken in accordance with such advice or for failing to follow such advice. The Trustees shall not be required to give any bond as such, nor any surety if a bond is required.

Liability of Third Persons Dealing with Trustee

Section 3. No person dealing with the Trustees shall be bound to make any inquiry concerning the validity of any transaction made or to be made by the Trustees or to see to the application of any payments made or property transferred to the Trust or upon its order.

Duration and Termination of Trust

Section 4. Unless terminated as provided herein, the Trust and each series and class shall continue without limitation of time.

The Trust or any series or class of any series may be terminated at any time (i) by the Trustees by written notice to the Shareholders of the Trust or to the Shareholders of the particular series or class, as the case may be, or (ii) by the affirmative vote of the lesser of (1) more than 50% of the outstanding Shares of each series or class entitled to vote, or (2) 67% or more of the Shares of each series or class entitled to vote and present at a meeting called for this purpose if more than 50% of the outstanding Shares of each series or class entitled to vote are present at the meeting in person or by proxy. Upon termination of the Trust or of any series or class, after paying or otherwise providing for all charges, taxes, expenses and liabilities, whether due or accrued or anticipated, of the Trust, or of the particular series or class, as may be determined by the Trustees, the Trust shall in accordance with such procedures as the Trustees consider appropriate reduce the remaining assets of the Trust, or of the particular series or classes, as the case may be, to distributable form in cash or shares or other property, or any combination thereof, and distribute the proceeds to the Shareholders of the Trust or of the particular series or class, ratably according to the number of Shares of such series or class held by the several Shareholders of such series or class on the date of termination, except to the extent otherwise required or permitted by the preferences and special or relative rights and privileges of any classes of Shares of that series or class.

Merger, Consolidation, Sale of Assets and Other Reorganizations

Section 5. Except as otherwise required by applicable law, the Trustees may, without Shareholder approval, authorize the Trust or any series or class to merge, consolidate or reorganize with any other entity (including another series or class of the Trust), or to sell or exchange all or substantially all of the assets of the Trust or of any series or class, in each case upon such terms and for such consideration as they may determine to be in the best interests of the Trust or of the particular series or class. The authority provided by this Section shall be in addition to the powers granted to the Trustees under any other provision of this Declaration of Trust.

Filing and Copies, References, Headings

Section 6. The original or a copy of this instrument and of each amendment hereto shall be kept at the office of the Trust where it may be inspected by any Shareholder. A copy of this instrument and of each amendment hereto shall be filed by the Trust with the Secretary of State of The Commonwealth of Massachusetts and with the Boston City Clerk, as well as any other governmental office where such filing may from time to time be required. Anyone dealing with the Trust may rely on a certificate by an officer of the Trust as to whether or not any such amendments have been made and as to any matters in connection with the Trust hereunder, and, with the same effect as if it were the original, may rely on a copy certified by an officer of the Trust to be a copy of this instrument or of any such amendments. In this instrument and in any such amendment, references to this

instrument and all expressions like “herein”, “hereof” and “hereunder” shall be deemed to refer to this instrument as amended or affected by any such amendments. Headings are placed herein for convenience of reference only and shall not be taken as a part hereof or control or affect the meaning, construction or effect of this instrument. This instrument may be executed in any number of counterparts each of which shall be deemed an original.

Applicable Law

Section 7. This Declaration of Trust is made in The Commonwealth of Massachusetts, and it is created under and is to be governed by and construed and administered according to the laws of said Commonwealth. The Trust shall be of the type commonly called a Massachusetts business trust and, without limiting the provisions hereof, the Trust may exercise all powers which are ordinarily exercised by such a trust.

Amendments

Section 8. This Declaration of Trust may be amended at any time by an instrument in writing signed by a majority of the then Trustees when authorized to do so by a vote of the Shareholders, provided that Shareholder authorization shall not be required in the case of any amendment (i) having the purpose of changing the name of the Trust or of supplying any omission, curing any ambiguity or curing, correcting or supplementing any defective or inconsistent provision contained herein or (ii) which is determined by the Trustees in their sole discretion not to have a material adverse effect on the Shareholders of any series or class of Shares.

IN WITNESS WHEREOF, the undersigned, being a majority of the Trustees of the Trust, hereunto set their hands and seals in the City of Boston, Massachusetts for themselves and their assigns, as of the day and year first above written.

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