Putnam open-end funds proxy solicitation

Special shareholder meetings on November 27, 2023

Summary

• The special meetings of shareholders scheduled for October 20, 2023 have been adjourned for certain Putnam open-end funds due to insufficient participation. An adjourned meeting date of November 27, 2023, has been scheduled.

• Shareholders of Putnam open-end funds with adjourned meetings are asked to vote to approve a new management contract and sub-advisory contract(s) for their fund(s) before special shareholder meetings on November 27, 2023.

• A proxy statement with complete details about the proposals has been made available to shareholders of record as of July 24, 2023.

• The Board of Trustees of the Putnam Funds unanimously recommends that shareholders vote “FOR” all proposals.

• The vote is happening because, as announced on May 31, 2023, Franklin Templeton has entered into a definitive purchase agreement with Great-West Lifeco Inc. to acquire Putnam Investments.

• Voting for new management contracts will provide you with:
  − Continuity of your fund’s investment management and will allow your fund’s operations to continue uninterrupted after the transaction.
  − A combined organization with greater scale and resources, broader distribution capabilities, and new opportunities to grow.

How shareholders vote

Voting is easy by web, telephone, or mail. Putnam has hired Broadridge Financial Solutions, Inc. and EQ Fund Solutions, LLC to assist in the proxy solicitation.

You may conveniently vote by:

• Web: Visit www.proxyvote.com and enter the voting control number found in the proxy materials you received.

• Telephone: Call toll-free at 800-690-6903 and vote by touch-tone phone (you will need the voting control number found in the proxy materials you received).

• Mail: Sign and date the proxy card and return it in the enclosed postage-paid envelope. If you vote online or by phone, you do not need to mail your proxy card.

If you do not have your voting control number, or if you have any questions, please call toll-free at 833-501-4818 to speak with a proxy specialist.

Voting takes less than one minute. Once you vote either by phone, mail, or online, no additional reminders will be sent.
**Questions and Answers**

**Why is Putnam holding special shareholder meetings?**
On May 31, 2023, it was announced that Franklin Templeton had entered into a definitive purchase agreement with Great-West Lifeco Inc. to acquire Putnam Investments. In connection with this transaction, certain Putnam open-end funds will hold adjourned special shareholder meetings on November 27, 2023, to seek approval for a new management contract and new sub-advisory contract(s), as applicable, for each fund.

**What proposals are being presented to shareholders at the special meetings?**
Certain Putnam open-end funds will hold special shareholder meetings on November 27, 2023, adjourned from October 20, 2023. The Board of Trustees of The Putnam Funds unanimously recommends that shareholders vote “FOR” all proposals described below.

<table>
<thead>
<tr>
<th>Proposal</th>
<th>Proposal description</th>
<th>Affected funds</th>
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</thead>
<tbody>
<tr>
<td>1.</td>
<td>Approving a new Management Contract with Putnam Investment Management, LLC for your fund</td>
<td>All funds</td>
</tr>
<tr>
<td>2a</td>
<td>Approving a new Sub-Management Contract between Putnam Investment Management, LLC and Putnam Investments Limited for your fund</td>
<td>All funds, other than Putnam PanAgora ESG Emerging Markets Equity ETF and Putnam PanAgora ESG International Equity ETF</td>
</tr>
<tr>
<td>2c</td>
<td>Approving a new Sub-advisory Agreement between Putnam Investment Management, LLC and PanAgora Asset Management, Inc. for your fund</td>
<td>Putnam PanAgora ESG Emerging Markets Equity ETF and Putnam PanAgora ESG International Equity ETF</td>
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What will happen if shareholders do not approve new management contracts?
The transaction (as described in the summary above) will not be completed unless certain conditions are met. One of these conditions effectively requires shareholders of a substantial number of funds in the Putnam family of funds to approve new management contracts and sub-advisory contract(s) to replace those that will terminate automatically upon consummation of the transaction.

If shareholders do not approve a new management contract and sub-advisory contract(s) to replace your fund’s current contracts, and the transaction is consummated, we will not be able to provide services to the fund, including portfolio management, under the new contracts unless and until the contracts are approved. If this should happen, Putnam Investments will be able to continue to provide services for your fund for a period of up to 150 days following consummation of the transaction pursuant to an interim management contract and/or interim sub-advisory contract(s).

We are therefore asking shareholders to approve a new management contract and new sub-advisory contract(s), as applicable, for each fund. Each fund’s Board of Trustees has approved the new contracts.

What is the benefit for shareholders of voting for new management contracts?
Approval of the new management contract and new sub-advisory contract(s) will provide:

• Continuity of the investment program you selected and will allow your fund’s operations to continue uninterrupted after the transaction.
• A combined organization with greater scale and resources, broader distribution capabilities, and new opportunities to grow.

What is the benefit of the transaction?
The acquisition of Putnam Investments by Franklin Templeton will result in one of the world’s largest independent, specialized global investment managers with approximately $1.4 trillion in assets under management (as of September 30, 2023). The combined organization will offer greater scale and resources, broader distribution capabilities, and new opportunities to grow.

Will fees change as the result of new management contracts?
It is important to note that the management fee rate for funds under the new contracts will remain the same.

Will portfolio managers change as the result of new management contracts?
The transaction is not expected to result in any change in the portfolio managers of each fund.

Will all shareholders be contacted about the proxy?
The proxy has been made available to shareholders of record as of July 24, 2023 (the record date).

As is Putnam’s common practice, Broadridge Financial Solutions, Inc. and EQ Fund Solutions, LLC have been retained to assist with the proxy solicitation. Shareholders who have not voted their shares may be contacted by Broadridge and EQ by phone, mail, or email until they vote their shares. Please do not be concerned about being contacted by Broadridge or EQ seeking your participation in the proxy. It is important to remember that once you vote, you will not be contacted about the proxy again.
What is the voting requirement for approving the proposals?
Approval requires 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.

How can I get additional information on the proposals and how to vote?
Please view the proxy statement for detailed information.

If you do not have your voting control number, or if you have any questions, please call toll-free at 833-501-4818 to speak with a proxy specialist.