Putnam Investments Limited Proxy Voting Report July 01, 2022- June 30, 2023

Introduction

Article 3g of Directive 2017/828/EU (the amended Shareholder Rights Directive, or "SRD II") requires institutional investors and asset managers to develop and publicly disclose an engagement policy that describes how they integrate shareholder engagement into their investment strategy.

The <u>Shareholder Engagement Policy</u> describes how Putnam Investments Limited ("PIL" or the "Company"), on behalf of its asset management clients:

- monitors investee companies on relevant matters, including strategy, financial and nonfinancial performance and risk, capital structure, social and environmental impact and corporate governance;
- conducts dialogues with investee companies;
- exercises voting rights and other rights attached to shares;
- co-operates with other shareholders;
- communicates with other relevant stakeholders of the investee companies; and
- manages actual and potential conflicts of interests in relation to their engagement.

Annual Review

On an annual basis, the Company will publicly disclose how its engagement policy has been implemented, including a general description of voting behaviour, an explanation of the most significant votes and the use of the services of proxy advisors.

The <u>Summary of Votes</u> report (pages 2-78) provides each of the votes during the period from July 1, 2022 to June 30, 2023. The more significant votes are defined for these purposes and presented as follows:

- Votes against management (pages 80-89)
- Referred votes (pages 91-93);
- Votes against PIL's standard policy (page 95);
- Votes on Shareholder Proposals (page 97-98)

Votes represent all voting items during the period for accounts (or portions of accounts) for which PIL provides portfolio management services and also has discretion to vote proxies for securities held in the account based on PIL's proxy voting policy. Some PIL clients maintain their own voting policies and retain authority to vote their own proxies; votes for these accounts are not included in the attached report.

*PIL's policy may call for votes normally to be cast in favor of or opposed to a matter or may deem the matter an item to be referred to investment professionals on a case by case basis, based on its substance, as reflected in the "Putnam Policy Recommendation" section of the Summary of Votes. However, these general rules may be overridden, where deemed appropriate, by a portfolio manager, subject to approval by the Proxy Committee, as reflected in the Putnam Vote Decision column.

To assist in the voting process, PIL makes use of Glass Lewis & Co. PIL uses Glass Lewis for various proxy voting related administrative and operational services, such as vote processing, record keeping and reporting. PIL also receives meeting analysis reports from Glass Lewis, which include their vote recommendations. These reports are for informational purposes only, to assist with the voting process, as PIL has its own proprietary proxy voting guidelines. The Glass Lewis reports are one aspect of PIL's vote analysis, which may include discussion with and recommendations from its investment professionals, proxy materials, and engagement with portfolio companies. Our vote determinations are based on what we believe is in the best interest of our clients. Additionally, PIL may look to Glass Lewis for information about market best practices, as well as legal and exchange requirements that we may need to take into consideration when developing voting guidelines or making vote decisions. PIL has robust procedures in place to address the accuracy of Glass Lewis' information, implementation of PIL's voting guidelines and conflicts of interest.

IMPORTANT INFORMATION

This material is not designed to be investment advice or a recommendation of any specific investment product, strategy, or decision, and is not intended to suggest taking or refraining from any course of action. The opinions expressed in this material represent the current, good-faith views of Putnam at the time of publication. The views are provided for informational purposes only and are subject to change. This material does not take into account any investor's particular investment objectives, strategies, tax status, or investment horizon. Investors should consult a financial advisor for advice suited to their individual financial needs. Putnam Investments cannot guarantee the accuracy or completeness of any statements or data contained in the material. Predictions, opinions, and other information contained in this material are subject to change. Any forward looking statements speak only as of the date they are made, and Putnam assumes no duty to update them. Forward-looking statements are subject to numerous assumptions, risks, and uncertainties. Actual results could differ materially from those anticipated. Past performance is not a guarantee of future results. As with any investment, there is a potential for profit as well as the possibility of loss.

This material or any portion hereof may not be reprinted, sold, or redistributed in whole or in part without the express written consent of Putnam Investments. The information provided relates to Putnam Investments and its affiliates, which include The Putnam Advisory Company, LLC and Putnam Investments Limited®

Issued by Putnam Investments Limited which is registered in England at 16 St James's Street, London, SW1A, 1ER, United Kingdom and authorised and regulated by the Financial Conduct Authority (FCA). For the activities carried out in Germany, the German branch of Putnam Investments Limited holds a permit as a financial investment broker in accordance with Sec. 34f para. 1 sentence no. 1 of the German Trade Ordinance and is registered under the registration number D-F-16077N8-19 in the publicly available broker register. Putnam Investments Limited is also permitted to provide cross-border investment services to certain EEA member states. In Europe, this material is directed exclusively at professional clients and eligible counterparties (as defined under the FCA Rules, or the German Securities Trading Act (Wertpapierhandelsgesetz) or other applicable law) who are knowledgeable and experienced in investment matters.

Contact Information

Putnam Investments	Putnam Investments Limited
100 Federal Street	16 St James's Street
Boston, MA 02110	London, SW1A 1ER
United States of America	United Kingdom
Phone: + (1) 617-292-1000	Phone: +44-20-7907-8200
Website: www.putnam.com/institutional	Website: www.putnam.com/uk