From: IO Operations [mailto:io\_operations@update.putnam.com]

Sent: Tuesday, June 19, 2018 3:47 PM

To: fundrelations

**Subject:** Business Update from Putnam Investments - Fund Merger Reminder

## **Putnam Investments Business Update**

Helping clients manage their information systems

At Putnam, we are aware of the challenges clients face in keeping information systems up to date, and we're committed to serving your needs. To help you maintain your systems, we provide Business Updates that contain details about the latest changes to our products, policies, and procedures.

Read The latest <u>Business Update</u> regarding Fund Mergers. Prospectus supplements detailing the changes are now effective.

Visit our archive of past Business Updates.

Investment Only Operations - DC Information Requests

Phone: 800-648-7410 Fax: 888-569-5643

Please contact your dedicated Putnam representative with questions. If you reply to this email, please use the domain @putnam.com rather than @update.putnam.com.

Past performance is not a guarantee of future results.

This message is intended for the recipient only and is not meant to be forwarded or distributed in any other format. This communication is for informational purposes only. It is not intended as an offer or solicitation for the purchase or sale of any financial instrument, or security, or as an official confirmation of any transaction. Putnam does not accept purchase or redemptions of securities, instructions, or authorizations that are sent via e-mail. All market prices, data and other information are not warranted as to completeness or accuracy and are subject to change without notice. Any comments or statements made herein do not necessarily reflect those of Putnam, LLC (DBA Putnam Investments) and its subsidiaries and affiliates. If you are not the intended recipient of this e-mail, please delete the e-mail.