



PENNYMAC MORTGAGE INVESTMENT TRUST
3043 TOWNSGATE ROAD
WESTLAKE VILLAGE, CA 91361



SCAN TO
VIEW MATERIALS & VOTE

VOTE BY INTERNET

Before The Meeting - Go to www.proxyvote.com or scan the QR Barcode above

Use the Internet to transmit your voting instructions and for electronic delivery of information up until 11:59 p.m. Eastern Time on June 15, 2026.

During The Meeting - Go to www.virtualshareholdermeeting.com/PMT2026

You may attend the meeting via the Internet and vote during the meeting. Have the information that is printed in the box marked by the arrow available and follow the instructions.

VOTE BY PHONE - 1-800-690-6903

Use any touch-tone telephone to transmit your voting instructions up until 11:59 p.m. Eastern Time on June 15, 2026.

VOTE BY MAIL

Mark, sign and date your proxy card and return it in the postage-paid envelope we have provided or return it to Vote Processing, c/o Broadridge, 51 Mercedes Way, Edgewood, NY 11717.

TO VOTE, MARK BLOCKS BELOW IN BLUE OR BLACK INK AS FOLLOWS:

V94148-P505

KEEP THIS PORTION FOR YOUR RECORDS
DETACH AND RETURN THIS PORTION ONLY

THIS PROXY CARD IS VALID ONLY WHEN SIGNED AND DATED

PENNYMAC MORTGAGE INVESTMENT TRUST

The Board of Trustees recommends you vote FOR the election of three Class II Trustees as disclosed in Proposal 1.

- 1. To elect the three Class II Trustees identified in the enclosed Proxy Statement to serve on our Board of Trustees, each for a term expiring at the 2029 Annual Meeting of Shareholders.

Nominees:

For Against Abstain

1a. Preston DuFauchard

Form with three checkboxes for For, Against, and Abstain

1b. Nancy McAllister

Form with three checkboxes for For, Against, and Abstain

1c. Stacey D. Stewart

Form with three checkboxes for For, Against, and Abstain

The Board of Trustees recommends you vote FOR Proposals 2 and 3:

For Against Abstain

- 2. To ratify the appointment of our independent registered accounting firm for the fiscal year ending December 31, 2026.
3. To approve, by non-binding vote, our executive compensation.

Form with three checkboxes for For, Against, and Abstain for each proposal

NOTE: Such other business as may properly come before the Annual Meeting and any postponement or adjournment thereof.

Please sign exactly as your name(s) appear(s) hereon. When signing as attorney, executor, administrator, or other fiduciary, please give full title as such. Joint owners should each sign personally. All holders must sign. If a corporation or partnership, please sign in full corporate or partnership name by authorized officer.

Signature and Date boxes for individual signatory

Signature [PLEASE SIGN WITHIN BOX]

Date

Signature and Date boxes for joint owners

Signature (Joint Owners)

Date

**Important Notice Regarding the Availability of Proxy Materials for the Annual Meeting:**  
The Notice of Annual Meeting of Shareholders, Proxy Statement and Annual Report are available  
at [www.proxyvote.com](http://www.proxyvote.com).

V94149-P50556

**PENNYMAC MORTGAGE INVESTMENT TRUST**  
**Annual Meeting of Shareholders**  
**June 16, 2026 11:00 AM PDT**  
**THIS PROXY IS SOLICITED BY THE BOARD OF TRUSTEES**

The undersigned hereby appoints David A. Spector and Derek W. Stark, and each of them, with the power to act without the other and with the power of substitution, as proxies and attorneys-in-fact, and hereby authorizes them to represent and vote, as provided on the reverse side, all of the shares of PennyMac Mortgage Investment Trust the undersigned is entitled to vote, and, in their discretion, to vote upon such business as may properly come before the Annual Meeting of Shareholders of the Company to be held on June 16, 2026, or at any adjournment or postponement thereof, with all the powers the undersigned would possess if present at the meeting.

**This proxy, when properly executed, will be voted in the manner directed herein. If no such direction is made, this proxy will be voted in accordance with the recommendations of the Board of Trustees.**

**Continued and to be signed on reverse side.**