



UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
WASHINGTON, D.C. 20549

DIVISION OF  
CORPORATION FINANCE

Mail Stop 3233

April 19, 2018

Via E-Mail

Donald W. Holley  
Chief Financial Officer  
MTGE Investment Corp.  
2 Bethesda Metro Center, 12th Floor  
Bethesda, Maryland 20814

**Re: MTGE Investment Corp.**  
**Form 10-K for the Fiscal Year Ended December 31, 2017**  
**Filed February 27, 2018**  
**Form 8-K filed February 5, 2018**  
**File No. 001-35260**

Dear Mr. Holley:

We have completed our review of your filings. We remind you that the company and its management are responsible for the accuracy and adequacy of their disclosures, notwithstanding any review, comments, action or absence of action by the staff.

Sincerely,

/s/ Kevin Woody

Kevin Woody  
Branch Chief  
Office of Real Estate and  
Commodities