PennyMac Mortgage Investment Trust

Form 4

September 23, 2016

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FORM 4 LINITED STATES SECURITIES AND EVOLA						NCF CO	MMISSION	OMB APPROVAL				
Washington, D.C. 20549								MINISSION	OMB Number:	3235-0287		
Check th if no long							Expires:	January 31, 2005				
subject to Section 1 Form 4 c	51A1EN 16.	STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF										
Form 4 or Form 5 obligations may continue. See Instruction 1(b). Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940												
(Print or Type l	Responses)											
Carnahan Scott W. Symbo			Symbol PennyM	uer Name and Ticker or Trading ol yMac Mortgage Investment				5. Relationship of Reporting Person(s) to Issuer (Check all applicable)				
Т				PMT]				(Check an applicable)				
			3. Date of (Month/D	f Earliest Tr Oay/Year)	ransaction		_	X Director 10% Owner Officer (give title Other (specify below)				
C/O PENNYMAC MORTGAGE 09/21/2016 INVESTMENT TRUST, 3043 TOWNSGATE ROAD												
				nth/Day/Year)				6. Individual or Joint/Group Filing(Check Applicable Line) _X_ Form filed by One Reporting Person				
WESTLAKE VILLAGE, CA 91361 — Form filed by More than One Reporting Person									porting			
(City)	(State)	(Zip)	Tabl	e I - Non-D	Derivative	Secui	rities Acqui	ired, Disposed of,	or Beneficiall	y Owned		
1.Title of Security (Instr. 3)	2. Transaction Date 2A. Deemed (Month/Day/Year) Execution Date, if any (Month/Day/Year)			3. 4. Securities Acquired (A Transactiomr Disposed of (D) Code (Instr. 3, 4 and 5) (Instr. 8) (A) or				5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	Ownership I Form: E Direct (D) C or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)		
C				Code V	Amount	(D)	Price	(Instr. 5 und 1)				
Common Shares of Beneficial Interest	09/21/2016			P	1,000	A	\$ 15.25	49,203	D			
Common Shares of Beneficial Interest	09/21/2016			P	1,325	A	\$ 15.2399	50,528	D			
Common Shares of	09/21/2016			P	1,016	A	\$ 15.16	51,544 (1)	D			

Beneficial Interest

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB control number.

SEC 1474 (9-02)

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	4. Transacti Code (Instr. 8)	5. onNumber of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)		ate	Secur	int of rlying	8. Price of Derivative Security (Instr. 5)	9. Nu Deriv Secur Bene Own Follo Repo Trans (Instr
			Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares		

Reporting Owners

Reporting Owner Name / Address	Relationships					
	Director	10% Owner	Officer	Other		
Carnahan Scott W. C/O PENNYMAC MORTGAGE INVESTMENT TRUST 3043 TOWNSGATE ROAD WESTLAKE VILLAGE, CA 91361	X					

Signatures

/s/ Jeffrey P. Grogin, attorney-in-fact for Mr.
Carnahan 09/23/2016

**Signature of Reporting Person Date

Explanation of Responses:

- * If the form is filed by more than one reporting person, see Instruction 4(b)(v).
- ** Intentional misstatements or omissions of facts constitute Federal Criminal Violations. See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).
- (1) The reported amount consists of 11,219 restricted share units and 40,325 common shares of beneficial interest. The restricted share units are to be settled in an equal number of common shares of beneficial interest upon vesting.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.

Reporting Owners 2