Hendry Gregory L Form 4 August 11, 2010

FORM 4

OMB APPROVAL

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

OMB 3235-0287 Number:

Check this box if no longer subject to Section 16. Form 4 or

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

January 31, Expires: 2005 Estimated average

Form 5 obligations may continue.

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

SECURITIES

burden hours per response... 0.5

See Instruction 1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person *

2. Issuer Name and Ticker or Trading Symbol

5. Relationship of Reporting Person(s) to Issuer

Hendry Gregory L

PennyMac Mortgage Investment

(Check all applicable)

Trust [PMT]

(Middle)

3. Date of Earliest Transaction (Month/Day/Year)

08/09/2010

Director 10% Owner Other (specify X_ Officer (give title

Chief Accounting Officer

C/O PENNYMAC MORTGAGE **INVESTMENT TRUST, 27001**

(First)

(Street)

AGOURA ROAD

(Last)

4. If Amendment, Date Original

6. Individual or Joint/Group Filing(Check

Filed(Month/Day/Year)

Applicable Line)

below)

X Form filed by One Reporting Person Form filed by More than One Reporting

CALABASAS, CA 91301

(City) (State)

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

Price

1.Title of Security (Instr. 3)

2. Transaction Date 2A. Deemed (Month/Day/Year) Execution Date, if

(Zip)

(Month/Day/Year)

3. 4. Securities Acquired (A) Transaction Disposed of (D) Code (Instr. 3, 4 and 5) (Instr. 8)

5. Amount of Securities Beneficially Owned Following

Ownership Form: Direct (D) or Indirect

Indirect Beneficial Ownership (Instr. 4)

7. Nature of

(A)

Code V Amount (D)

Reported Transaction(s)

(I) (Instr. 4)

(Instr. 3 and 4)

Common

Shares of 08/09/2010 Beneficial

125 (1) D S

 $1,315 \stackrel{(2)}{=}$

D

Interest

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

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SEC 1474 (9-02)

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

1. Title of	2.	3. Transaction Date	3A. Deemed	4. 5. 6. Date Exerci		isable and	7. Title	e and	8. Price of	9	
Derivative	Conversion	(Month/Day/Year)	Execution Date, if	TransactionNumber		Expiration Da	ate Amou		nt of	Derivative	J
Security	or Exercise		any	Code	of	(Month/Day/	Year)	Under	lying	Security	,
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	8) Derivative Securities			Securities		(Instr. 5)	J
	Derivative						(Instr		3 and 4)		(
	Security				Acquired						J
	_		(A) or								J
					Disposed						-
		of (D)								(
					(Instr. 3,						
					4, and 5)						
									Amount		
						Date	Expiration		or		
						Exercisable	Date	Title	Number		
									of		
				Code V	(A) (D)				Shares		

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

Hendry Gregory L C/O PENNYMAC MORTGAGE INVESTMENT TRUST 27001 AGOURA ROAD CALABASAS, CA 91301

Chief Accounting Officer

9. Nu Deriv Secur Bene Own Follo Repo Trans (Instr

Signatures

/s/ Gregory L. 08/11/2010 Hendry

**Signature of Date
Reporting Person

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 common shares of beneficial interest were sold in order to pay the estimated tax withholding obligation that resulted from the vesting of 360 restricted share units on August 4, 2010.

The reported amount consists of 1,080 restricted share units and 235 common shares of beneficial interest. The restricted share units, which were granted to Mr. Hendry upon the completion of the Company's initial public offering on August 4, 2009, vest in three equal

(2) annual installments, on August 4, 2011, August 4, 2012 and August 4, 2013, and are to be settled in an equal number of common shares of beneficial interest upon vesting. A total of 360 restricted share units vested on August 4, 2010 and were settled in common shares of beneficial interest, of which 125 were sold as described in the preceding footnote and 235 are included in the reported amount

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.

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