Hendry Gregory L Form 4 August 30, 2011

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.

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

January 31, Expires: 2005 Estimated average

0.5

Form 4 or 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...

See Instruction 1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person *

2. Issuer Name and Ticker or Trading

5. Relationship of Reporting Person(s) to Issuer

Hendry Gregory L

Symbol PennyMac Mortgage Investment

(Check all applicable)

Trust [PMT]

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

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

C/O PENNYMAC MORTGAGE

08/04/2011

below) Chief Accounting Officer

INVESTMENT TRUST, 27001 AGOURA ROAD, THIRD FLOOR

(Street)

4. If Amendment, Date Original

6. Individual or Joint/Group Filing(Check

Filed(Month/Day/Year)

Applicable Line) _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

1.Title of Security (Instr. 3)

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

Execution Date, if

(Month/Day/Year)

(Zip)

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

5. Amount of Securities Beneficially Owned Following Reported

Ownership Form: Direct (D) or Indirect (I)

Indirect Beneficial Ownership (Instr. 4)

7. Nature of

(A)

Transaction(s) (Instr. 3 and 4)

(Instr. 4)

Code V Amount (D) Price

Common

Interest

Shares of 08/04/2011 Beneficial

S 138 (1) D

4.177 (2)

D

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)

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

1. Title o	of 2.	3. Transaction Date	3A. Deemed	4.	5.	6. Date Exerc	cisable and	7. Titl	le and	8. Price of	9. Nu
Derivativ	ve Conversion	(Month/Day/Year)	Execution Date, if	TransactionNumber		Expiration D	ate Amou		ınt of	Derivative	Deriv
Security	or Exercise		any	Code	of	(Month/Day/	Year)	Under	rlying	Security	Secui
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Instr. 8) Derivative Securities			Secur	rities	(Instr. 5)	Bene
	Derivative							(Instr. 3 ar	:. 3 and 4)	d 4)	Owne
	Security				Acquired	uired					Follo
	•				(A) or						Repo
					Disposed						Trans
					of (D)						(Instr
					(Instr. 3,						
					4, and 5)						
									A		
									Amount		
						Date Expiration Exercisable Date	Expiration	T:41-	or True N. 1		
							-	Title	Number		
				C-1- V	(A) (D)				of Shares		
				Code V	(A) (I))				Snares		

Reporting Owners

Relationships Reporting Owner Name / Address Officer Other Director 10% Owner

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

Chief Accounting Officer

Signatures

/s/ Gregory L. 08/30/2011 Hendry

Date **Signature of 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).
- 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, 2011.

The reported amount consists of 3,720 restricted share units and 457 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. A total of 360 restricted share units vested on August 4, 2011 and were settled in common shares of beneficial interest, of which 138 were sold as described in the preceding footnote and 222 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.

Reporting Owners 2