Parmeswar Rajan Form 4 February 10, 2012

FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

OMB APPROVAL OMB 3235-0287

Check this box if no longer subject to Section 16.

Washington, D.C. 20549

Number: January 31, Expires: 2005

Form 4 or Form 5

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **SECURITIES**

Estimated average burden hours per 0.5 response...

obligations may continue. See Instruction

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

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * Parmeswar Rajan			2. Issuer Name and Ticker or Trading Symbol AETNA INC /PA/ [AET]	5. Relationship of Reporting Person(s) to Issuer (Check all applicable)		
(Last)	(First)	(Middle)	3. Date of Earliest Transaction	()		
			(Month/Day/Year)	Director 10% Owner		
AETNA INC., 151 FARMINGTON			02/08/2012	_X_ Officer (give title Other (specify below)		
AVENUE				VP/Controller/Chief Acct Off		
	(Street)		4. If Amendment, Date Original	6. Individual or Joint/Group Filing(Check		
			Filed(Month/Day/Year)	Applicable Line)		
HARTFORD, CT 06156				_X_ Form filed by One Reporting Person Form filed by More than One Reporting Person		

(City)	(State)	(Zip) Table	e I - Non-D	erivative	Secur	ities Acq	uired, Disposed o	f, or Beneficial	ly Owned
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	Day/Year) 2A. Deemed Execution Date, if any (Month/Day/Year)		3. 4. Securities Acquired Transaction(A) or Disposed of (D) Code (Instr. 3, 4 and 5) (Instr. 8)			5. Amount of Securities Beneficially Owned Following	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
			Code V	Amount	(A) or (D)	Price	Reported Transaction(s) (Instr. 3 and 4)		
Common Stock	02/08/2012		M	8,523 (1)	A	<u>(2)</u>	8,523	D	
Common Stock	02/08/2012		F	2,835 (3)	D	\$ 45.14	5,688	D	
Common Stock	02/08/2012		M	5,652 (4)	A	<u>(5)</u>	11,340	D	
Common Stock	02/08/2012		F	1,836 (6)	D	\$ 45.14	9,504	D	
Common Stock							4,483.8875 (7)	I	By 401(k) Plan

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

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SEC 1474 (9-02)

D

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)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transacti Code (Instr. 8)	5. Number out of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Underlying Securities (Instr. 3 and 4)	
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Market Stock Unit	(2)	02/08/2012		M	5,687	<u>(8)</u>	(8)	Common Stock	5,687
Performance Stock Unit	<u>(5)</u>	02/08/2012		M	2,826	<u>(9)</u>	<u>(9)</u>	Common Stock	2,826

Reporting Owners

Reporting Owner Name / Address	Relationships							
2	Director	10% Owner	Officer	Other				
Parmeswar Rajan								
AETNA INC.			VP/Controller/Chief					
151 FARMINGTON AVENUE			Acct Off					
HARTFORD, CT 06156								

Signatures

Rajan Parmeswar by Judith H. Jones, Attorney
-in-fact 02/10/2012

**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) Represents vesting of previously reported Market Stock Units granted under the Aetna Inc 2000 Stock Incentive Plan.
- (2) Each Market Stock Unit represents a right to receive up to 1.5 shares of Aetna Inc. Common Stock net of taxes. Vesting amount was determined based on the weighted average closing stock price for the thirty trading days prior to the vest date.

Reporting Owners 2

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- (3) Represents tax withholding on vesting of previously reported Market Stock Units.
- (4) Represents vesting of previously reported Performance Stock Units granted under the 2000 Stock Incentive Plan.
- (5) Each Performance Stock Unit represents a right to receive up to two shares of Aetna Inc. Common Stock net of taxes.
- (6) Represents tax withholding on vesting of previously reported Performance Stock Units.
- (7) Represents the pro rata portion of the stock portion of Aetna Common Stock Fund held by reporting person on January 31, 2012. The information is based on information provided by the Plan Trustee as of that date.
- (8) Market Stock Units granted under the Aetna Inc. 2000 Stock Incentive Plan.
- (9) Performance Stock Units granted under the Aetna Inc. 2000 Stock Incentive Plan.

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.