Kayne Anderson MLP Investment CO Form 4

February 17, 2017

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB Number:

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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

may continue. 30(h) of the Investment Company Act of 1940 See Instruction

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * Sun Life Assurance Co of Canada

2. Issuer Name and Ticker or Trading

Issuer

5. Relationship of Reporting Person(s) to

Symbol

Kayne Anderson MLP Investment CO [KYN]

(Check all applicable)

(Last) (First) (Middle) 3. Date of Earliest Transaction

(Month/Day/Year)

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

150 KING STREET WEST 11/09/2016

(Street)

4. If Amendment, Date Original Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check

Applicable Line)

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

Person

below)

TORONTO, A6 M5H 1J9

(City) (State) (Zip) Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

| 1.Title of Security | 2. Transaction Date (Month/Day/Year) | | 3. Transactio | 4. Securities Acquired (A) oner Disposed of (D) | 5. Amount of Securities | 6. Ownership | 7. Nature of Indirect |
|------------------------|--------------------------------------|------------------|------------------|---|-------------------------|-----------------|-----------------------|
| (Instr. 3) | (Monuir Buyr Tear) | any | Code | (Instr. 3, 4 and 5) | Beneficially | Form: | Beneficial |
| | | (Month/Day/Year) | (Instr. 8) | | Owned | Direct (D) | Ownership |
| | | | | | Following | or Indirect | (Instr. 4) |
| | | | | (4) | Reported | (I) | |
| | | | | (A) | Transaction(s) | (Instr. 4) | |

or (D) Price (Instr. 3 and 4)

Code V Amount

Series A

Mandatory Redeemable

11/09/2016

J(1)600,000

 $D^{(2)}$

Preferred Stock

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

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

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

| 1. Title of | 2. | 3. Transaction Date | 3A. Deemed | 4. | 5. | 6. Date Exerc | cisable and | 7. Titl | le and | 8. Price of | 9 |
|-------------|-------------|---------------------|--------------------|------------|------------|---------------|------------------|----------------|--------------|-------------|---|
| Derivative | Conversion | (Month/Day/Year) | Execution Date, if | Transact | ionNumber | Expiration Da | ate | Amou | int of | Derivative | J |
| Security | or Exercise | | any | Code | of | (Month/Day/ | Year) | Under | lying | Security | , |
| (Instr. 3) | Price of | | (Month/Day/Year) | (Instr. 8) | Derivative | e | | Secur | ities | (Instr. 5) |] |
| | Derivative | | | | Securities | | | (Instr. | 3 and 4) | | (|
| | Security | | | | Acquired | | | | | | J |
| | - | | | | (A) or | | | | | | J |
| | | | | | Disposed | | | | | | - |
| | | | | | of (D) | | | | | | (|
| | | | | | (Instr. 3, | | | | | | |
| | | | | | 4, and 5) | | | | | | |
| | | | | | | | | | Amount | | |
| | | | | | | | | | Amount | | |
| | | | | | | Date | Expiration | Title | or Number | | |
| | | | | | | Exercisable | exercisable Date | ercisable Date | of | | |
| | | | | C-1- 1 | 7 (A) (D) | | | | | | |
| | | | | Code V | (A) (D) | | | | Shares | | |

Reporting Owners

| Reporting Owner Name / Address | Kelationships | | | | | |
|--|---------------|-----------|---------|-------|--|--|
| | Director | 10% Owner | Officer | Other | | |
| Sun Life Assurance Co of Canada 150 KING STREET WEST TORONTO, A6 M5H 1J9 | | X | | | | |
| SUN LIFE FINANCIAL INC 150 KING STREET WEST TORONTO, A6 M5H 1J9 | | X | | | | |

Signatures

| /s/ Randolph B. Brown, Authorized Signatory of Sun Life Financial Inc. and Sun Life Assurance Co of Canada | | | | |
|--|------|--|--|--|
| **Signature of Reporting Person | Date | | | |

/s/ John T. Donnelly, Authorized Signatory of Sun Life Financial Inc. and Sun Life
Assurance Co of Canada

02/17/2017

**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) On November 9, 2016, the issuer redeemed all outstanding shares of its Series A Mandatory Redeemable Preferred Stock.
- (2) Sun Life Financial Inc. owns 100% of the outstanding shares of common stock of Sun Life Assurance Co of Canada, the direct owner of the Series A Mandatory Redeemable Preferred Stock of Kayne Anderson MLP Investment Co.

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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