Kayne Anderson MLP Investment CO Form SC 13G/A February 03, 2010

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

SCHEDULE 13G

UNDER THE SECURITIES EXCHANGE ACT OF 1934 (AMENDMENT NO. 2)*

KAYNE ANDERSON MLP INVESTMENT COMPANY
(Name of Issuer)
Auction Rate Preferred
(Title of Class of Securities)
486606-20-5 (See Item 2(e))
(CUSIP Number)
December 31, 2009
(Date of Event Which Requires Filing of this Statement)
Check the appropriate box to designate the rule pursuant to which this Schedule is filed:
/X/ Rule 13d-1(b) / / Rule 13d-1(c) / / Rule 13d-1(d)

*The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter the disclosures provided in a prior cover page.

The information required in the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

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SCHEDULE 13G

CUSIP NO. 486606-20-5

(See Item 2(e)) (1) NAMES OF REPORTING PERSONS I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY) Citigroup Global Markets Inc. (2) CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS) (b) / / .-----(3) SEC USE ONLY ______ (4) CITIZENSHIP OR PLACE OF ORGANIZATION NUMBER OF (5) SOLE VOTING POWER SHARES BENEFICIALLY (6) SHARED VOTING POWER 1,492 OWNED BY _____ EACH (7) SOLE DISPOSITIVE POWER REPORTING PERSON (8) SHARED DISPOSITIVE POWER 1.492 WITH: ______ (9) AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 1,492 (10) CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS) / / (11) PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) (12) TYPE OF REPORTING PERSON (SEE INSTRUCTIONS) SCHEDULE 13G CUSIP NO. 486606-20-5 Page 3 of 9 Pages (See Item 2(e)) (1) NAMES OF REPORTING PERSONS I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY) Citigroup Financial Products Inc.

		(a) / / (b) / /
(3) SEC USE ONLY		
	PLACE OF ORGANIZATION	Delaware
NUMBER OF	(5) SOLE VOTING POWER	
SHARES		
BENEFICIALLY	(6) SHARED VOTING POWER	1,492
OWNED BY		
EACH	(7) SOLE DISPOSITIVE POWER	
REPORTING		
PERSON	(8) SHARED DISPOSITIVE POWER	1,492
WITH:		
	AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHAR:	ES (SEE
(11) PERCENT OF CLA	ASS REPRESENTED BY AMOUNT IN ROW (9)	49.7%
, ,	TING PERSON (SEE INSTRUCTIONS)	CC
	SCHEDULE 13G	
CUSIP NO. 486606-20	Page	4 of 9 Pages
(See Item 2(e))		
(1) NAMES OF REPOR	RTING PERSONS CICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY)	
Citigroup Glob	oal Markets Holdings Inc.	
(2) CHECK THE APPR	ROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCT	IONS)
		(a) / / (b) / /
(3) SEC USE ONLY		

3

(4) CITIZENSHIP OR PLACE	E OF ORGANIZATION	New York
	(5) SOLE VOTING POWER	0
SHARES		
BENEFICIALLY	(6) SHARED VOTING POWER	1,492
OWNED BY		
EACH	(7) SOLE DISPOSITIVE POWER	0
REPORTING		
PERSON	(8) SHARED DISPOSITIVE POWER	1,492
WITH:		
	EFICIALLY OWNED BY EACH REPORTING PERSON	
(10) CHECK IF THE AGGREG. INSTRUCTIONS) / /	ATE AMOUNT IN ROW (9) EXCLUDES CERTAIN S	SHARES (SEE
	PRESENTED BY AMOUNT IN ROW (9)	49.7%
(12) TYPE OF REPORTING P	ERSON (SEE INSTRUCTIONS)	НС
	SCHEDULE 13G	
CUSIP NO. 486606-20-5	Pa	age 5 of 9 Pages
(See Item 2(e))		
(1) NAMES OF REPORTING	PERSONS ON NOS. OF ABOVE PERSONS (ENTITIES ONLY)	
Citigroup Inc.		
	TE BOX IF A MEMBER OF A GROUP (SEE INSTE	
		(a) / / (b) / /
(3) SEC USE ONLY		
(4) CITIZENSHIP OR PLACE	E OF ORGANIZATION	Delaware
NIIMBER OF	(5) SOLE VOTING POWER	 0

SHARE	S		
BENEFICI	ALLY	(6) SHARED VOTING POWER	1,492*
OWNED	ВУ		
EACH		(7) SOLE DISPOSITIVE POWER	0
REPORTI	NG		
PERSON		(8) SHARED DISPOSITIVE POWER	1,492*
WITH:			
(9) AGGREGATE	AMOUNT BENEF	ICIALLY OWNED BY EACH REPORTING PERSON	
	THE AGGREGAT	E AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES	(SEE
		ESENTED BY AMOUNT IN ROW (9)	49.7%*
(12) TYPE OF	 REPORTING PER	SON (SEE INSTRUCTIONS)	HC
		the other reporting persons.	
Item 1(a).	Name of Iss	uer:	
	KAYNE ANDER	SON MLP INVESTMENT COMPANY	
Item 1(b).	Address of	Issuer's Principal Executive Offices:	
	1800 Avenue Second Floo	of the Stars	
		, California 90067	
Item 2(a).	Name of Per	son Filing:	
	Citigroup F Citigroup G	lobal Markets Inc. ("CGM") inancial Products Inc. ("CFP") lobal Markets Holdings Inc. ("CGM Holdings") nc. ("Citigroup")	
Item 2(b).	Address of	Principal Office or, if none, Residence:	
		of the principal office of each of CGM Holdings is:	
	388 Greenwi New York, N		
	The address	of the principal office of Citigroup is:	
	399 Park Av New York, N		
Item 2(c).	Citizenship	or Place of Organization:	

CGM and CGM Holdings are New York corporations. CFP and Citigroup are Delaware corporations. Item 2(d). Title of Class of Securities: Auction Rate Preferred Item 2(e). CUSIP Number: 486606-20-5 Page 6 of 9 Pages Item 3. If This Statement Is Filed Pursuant to Sections 240.13d-1(b) or 240.13d-2 (b) or (c), Check Whether the Person Filing Is a(n): (a) [X] Broker or dealer registered under Section 15 of the Act (15 U.S.C. 780); [] Bank as defined in Section 3(a)(6) of the Act (b) (15 U.S.C. 78c); (c) [] Insurance company as defined in Section 3(a)(19) of the Act (15 U.S.C. 78c); [] Investment company registered under Section 8 of the Investment Company Act of 1940 (15 U.S.C. 80a-8); (e) [] Investment adviser in accordance with Section 240.13d-1(b)(1)(ii)(E); (f) [] Employee benefit plan or endowment fund in accordance with Section 240.13d-1(b)(1)(ii)(F); [X] Parent holding company or control person in accordance with Section 240.13d-1(b)(1)(ii)(G); (h) [] Savings association as defined in Section 3(b) of the Federal Deposit Insurance Act (12 U.S.C. 1813); [] Church plan that is excluded from the definition of an (i) investment company under Section 3(c)(14) of the Investment Company Act of 1940 (15 U.S.C. 80a-3); [] A non-U.S. institution in accordance with Section 240.13d-1(b)(1)(ii)(J);(k) [] Group, in accordance with Section 240.13d-1 (b) (1) (ii) (K). If filing as a non-U.S. institution in accordance with

Item 4. Ownership. (as of December 31, 2009)

of institution: _____

The number of shares reported herein represents combined holdings in multiple series of auction rate preferred securities of the issuer, which are treated herein as one class of securities in accordance

Section 240.13d-1(b)(1)(ii)(J), please specify the type

with the Securities and Exchange Commission's Auction Rate Securities -- Global Exemptive Relief no-action letter issued on September 22, 2008.

- (a) Amount beneficially owned: See item 9 of cover pages
- (b) Percent of class: See item 11 of cover pages
- (c) Number of shares as to which the person has:
 - (i) Sole power to vote or to direct the vote:
 - (ii) Shared power to vote or to direct the vote:
 - (iii) Sole power to dispose or to direct the disposition of:
 - (iv) Shared power to dispose or to direct the disposition of:

See Items 5-8 of cover pages

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Item 5. Ownership of Five Percent or Less of a Class.

If this statement is being filed to report the fact that as of the date hereof the reporting person has ceased to be the beneficial owner of more than five percent of the class of securities, check the following [].

Item 6. Ownership of More Than Five Percent on Behalf of Another Person.

Not Applicable.

Item 7. Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on by the Parent Holding Company.

CFP is the sole stockholder of CGM. CGM Holdings is the sole stockholder of CFP. Citigroup is the sole stockholder of CGM Holdings.

Item 8. Identification and Classification of Members of the Group.

Not Applicable.

Item 9. Notice of Dissolution of Group.

Not Applicable.

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Item 10. Certification.

By signing below I certify that, to the best of my knowledge and

belief, the securities referred to above were acquired and are held in the ordinary course of business and were not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose or effect.

SIGNATURE.

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

Dated: February 3, 2010

CITIGROUP GLOBAL MARKETS INC.

By: /s/ Ali L. Karshan

Name: Ali L. Karshan Title: Assistant Secretary

CITIGROUP FINANCIAL PRODUCTS INC.

By: /s/ Ali L. Karshan

Name: Ali L. Karshan Title: Assistant Secretary

CITIGROUP GLOBAL MARKETS HOLDINGS INC.

By: /s/ Ali L. Karshan

Name: Ali L. Karshan Title: Assistant Secretary

CITIGROUP INC.

By: /s/ Ali L. Karshan

Name: Ali L. Karshan Title: Assistant Secretary

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EXHIBIT INDEX TO SCHEDULE 13G

EXHIBIT 1

Agreement among CGM, CFP, CGM Holdings and Citigroup as to joint filing of Schedule $13\,\mathrm{G}$