FORM 3

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES

OMB APPROVAL								
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Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

1. Name and Add AMERICA GROUP IN	N INTERN	ATIONAL F	Date of Event Requiring Stater Month/Day/Yea 03/03/2011	nent	3. Issuer Name and Ticker or Trading Symbol KAYNE ANDERSON MIDSTREAM/ENERGY FUND, INC. [KMF]						
(Last) (First) (Middle)					Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner			(Month/Day/Year)			
180 MAIDEN	LANE				Officer (give title below)	Other (spe below)	, I o.	ndividual or Joint plicable Line)	t/Group Filing (Check		
(Street)					See General Rem	narks		X Form filed b	y One Reporting Person		
NEW YORK	NY	10038						Form filed b Reporting P	y More than One erson		
(City)	(State)	(Zip)									
Table I - Non-Derivative Securities Beneficially Owned											
1. Title of Security (Instr. 4)					eneficially Owned (Instr. 4)			Nature of Indirect Beneficial Ownership str. 5)			
3.93% Series A Senior Unsecured Notes due March 3, 2016					\$10,000,000	I		Held through subsidiary ⁽¹⁾			
4.62% Series B Senior Unsecured Notes due March 3, 2018					\$9,000,000	I		Held through subsidiary ⁽²⁾			
Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)											
1. Title of Derivative Security (Instr. 4)		str. 4)	2. Date Exercisable and Expiration Date (Month/Day/Year)		Underlying Derivative Security (Instr. 4)		4. Conversion or Exercise	Form:	6. Nature of Indirect Beneficial Ownership (Instr. 5)		
			Date Exercisable	Expiration Date	Title	Amount or Number of Shares	Price of Derivative Security	Direct (D) or Indirect (I) (Instr. 5)			

Explanation of Responses:

- 1. The Series A Senior Unsecured Notes are held directly by First SunAmerica Life Insurance Company, an indirectly wholly owned subsidiary of American International Group, Inc. ("AIG"). AIG is an indirect beneficial owner of the Series A Senior Unsecured Notes.
- 2. The Series B Senior Unsecured Notes are held directly by SunAmerica Annuity and Life Assurance Company, an indirectly wholly owned subsidiary of AIG. AIG is an indirect beneficial owner of the Series B Senior Unsecured Notes.

Remarks:

Filed pursuant to Section 30(h) of the Investment Company Act of 1940. The referenced securities are senior debt securities which the Reporting Person is informed represent, in the aggregate, in excess of 10% of the senior debt securities of the Issuer.

/s/ Monika Machon, Senior Vice President-Investments

05/18/2011

** Signature of Reporting Person

Date

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

- * If the form is filed by more than one reporting person, see Instruction 5 (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).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

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