KAYNE AND Form 4	ERSON MI	J DSTREAM	/ENERGY	FUND, II	NC.			,				
May 02, 2014 FORM Check this if no longer subject to	S SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549 F CHANGES IN BENEFICIAL OWNERSHIP OF						OMB Number: Expires: Estimated a	•				
Section 16. SECURITIES Durden hours per response Form 4 or Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, obligations biligations may continue. 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). 30(h) of the Investment Company Act of 1940									rs per 0.5			
(Print or Type Res	sponses)											
INSURANCE CO			2. Issuer Name and Ticker or Trading Symbol KAYNE ANDERSON MIDSTREAM/ENERGY FUND, INC. [kmf]					5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner				
(M			3. Date of Earliest Transaction (Month/Day/Year) 04/30/2014				Officer (give titleX Other (specify below) below) See explanation below.					
	(Street)	Filed(Month/Day,				ay/Year) Applicat _X_For				vidual or Joint/Group Filing(Check ble Line) m filed by One Reporting Person m filed by More than One Reporting		
ATLANTA, 2	-						P	erson		porting		
(City)	(State)	(Zip)					-	red, Disposed of,		•		
1.Title of Security (Instr. 3)	2. Transactio (Month/Day/	any	eemed ntion Date, if th/Day/Year)	3. Transactic Code (Instr. 8)	4. Securitie on(A) or Disp (Instr. 3, 4	posed o	of (D)	5. Amount of Securities Beneficially Owned Following Reported Transaction(s)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)		
Series C Mandatory Redeemable Preferred Shares	04/30/2014	4		Code V	Amount 140,000	(D)	Price \$ 25	(Instr. 3 and 4) 140,000	D			

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

Persons who respond to the collection of SEC 1474 information contained in this form are not (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 of	2.	3. Transaction Date	3A. Deemed	4.	5.	6. Date Exer	cisable and	7. Titl	e and	8. Price of	9. Nu
Derivative	Conversion	(Month/Day/Year)	Execution Date, if	Transactio	onNumber	Expiration D	ate	Amou	int of	Derivative	Deriv
Security	or Exercise		any	Code	of	(Month/Day/	'Year)	Under	lying	Security	Secu
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Derivative	e		Securi	ities	(Instr. 5)	Bene
	Derivative				Securities			(Instr.	3 and 4)		Owne
	Security				Acquired						Follo
					(A) or						Repo
					Disposed						Trans
					of (D)						(Instr
					(Instr. 3,						
					4, and 5)						
						Date Exercisable	Expiration Date		of		
				Code V	(A) (D)				Shares		

Reporting Owners

Reporting Owner Name / Address		Relationships						
		10% Owner	Officer	Other				
ING USA ANNUITY & LIFE INSURANCE CO C/O VOYA INVESTMENT MANAGEMENT, LLC 5780 POWERS FERRY ROAD, NW, SUITE 300 ATLANTA, 2Q 30327				See explanation below.				
Signatures								
/s/ Christopher P. Lyons, Senior Vice President, Voya Investment Management, LLC, as								

Agent

**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). **

Remarks:

Filed pursuant to Section 30(h) of the Investment Company Act of 1940. The reporting party and its affiliates own in excess of

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.

Date