

KAYNE ANDERSON MIDSTREAM/ENERGY FUND, INC.

Form N-PX

August 19, 2014

OMB APPROVAL

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UNITED STATES

SECURITIES AND EXCHANGE COMMISSION

Washington, DC 20549

FORM N-PX

ANNUAL REPORT OF PROXY VOTING RECORD OF REGISTERED MANAGEMENT
INVESTMENT COMPANY

Investment Company Act file number 811-22467

Kayne Anderson Midstream/Energy Fund, Inc.

(Exact name of registrant as specified in charter)

811 Main Street, 14th Floor
(Address of principal executive offices)

Houston, Texas 77002
(Zip code)

David J. Shladovsky, Esq.

KA Fund Advisors, LLC

811 Main Street, 14th Floor

Houston, Texas 77002

(Name and address of agent for service)

Registrant's telephone number, including area code: (310) 284-6438

Date of fiscal year end: November 30

Date of reporting period: July 1, 2013 - June 30, 2014

Form N-PX is to be used by a registered management investment company, other than a small business investment company registered on Form N-5 (ss.ss. 239.24 and 274.5 of this chapter), to file reports with the Commission, not later than August 31 of each year, containing the registrant's proxy voting record for the most recent twelve-month period ended June 30, pursuant to section 30 of the Investment Company Act of 1940 and rule 30b1-4 thereunder (17 CFR 270.30b1-4). The Commission may use the information provided on Form N-PX in its regulatory, disclosure

review, inspection, and policymaking roles.

A registrant is required to disclose the information specified by Form N-PX, and the Commission will make this information public. A registrant is not required to respond to the collection of information contained in Form N-PX unless the Form displays a currently valid Office of Management and Budget ("OMB") control number. Please direct comments concerning the accuracy of the information collection burden estimate and any suggestions for reducing the burden to the Secretary, Securities and Exchange Commission, 450 Fifth Street, NW, Washington, DC 20549-0609. The OMB has reviewed this collection of information under the clearance requirements of 44 U.S.C. ss. 3507.

ITEM 1. PROXY VOTING RECORD.

Disclose the following information for each matter relating to a portfolio security considered at any shareholder meeting held during the period covered by the report and with respect to which the registrant was entitled to vote:

- (a) The name of the issuer of the portfolio security;
 - (b) The exchange ticker symbol of the portfolio security;
 - (c) The Council on Uniform Securities Identification Procedures ("CUSIP") number for the portfolio security;
 - (d) The shareholder meeting date;
 - (e) A brief identification of the matter voted on;
 - (f) Whether the matter was proposed by the issuer or by a security holder;
 - (g) Whether the registrant cast its vote on the matter;
 - (h) How the registrant cast its vote (e.g., for or against proposal, or abstain; for or withhold regarding election of directors); and
 - (i) Whether the registrant cast its vote for or against management.
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SIGNATURES

[See General Instruction F]

Pursuant to the requirements of the Investment Company Act of 1940, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

(Registrant) Kayne Anderson Midstream/Energy Fund, Inc.

By (Signature and /s/ Kevin S. McCarthy
Title)*

Kevin S. McCarthy,
Chairman of the Board of Directors,

Date August 15, 2014 President and Chief Executive Officer

* Print the name and title of each signing officer under his or her signature.

Item 1 – Proxy Voting Record
 Kayne Anderson Midstream/Energy
 Fund, Inc.
 7/1/2013 -
 6/30/2014

Issuer	Symbol	CUSIP	Meeting Date	Matter:	Proposed by (I)ssuer or(S)hrhldr	Vote Cast?	How Voted	For/Against Mgmt
CAPITAL PRODUCT PARTNERS L.P.	CPLP	Y11082107	7/22/2013	ELECT:				
				Keith Forman	I	YES	FOR	FOR
				E.G. Bairactaris	I	YES	FOR	FOR
SEADRILL LIMITED	SDRL	G7945E105	9/20/2013	TO RE-ELECT AS A DIRECTOR OF THE COMPANY:				
				John Fredriksen	I	YES	FOR	FOR
				Tor Olav Troim	I	YES	FOR	FOR
				Kate Blankenship	I	YES	FOR	FOR
				Kathrine Fredriksen	I	YES	FOR	FOR
				Carl Erik Steen	I	YES	FOR	FOR
				Bert Bekker	I	YES	FOR	FOR
				Paul Leand, Jr.	I	YES	FOR	FOR
				TO AMEND:	I	YES	FOR	FOR
				The Company's By-Laws Nos. 57 (A), 89, 93 (B), 103, 104, 105, 106 (A), 110, and 111				
TO APPOINT:	I	YES	FOR	FOR				
PricewaterhouseCoopers LLP, as auditor and to authorize the directors to determine their remuneration.								
TO APPROVE:	I	YES	FOR	FOR				
The remuneration of the Company's Board of Directors of a total amount of fees not to exceed US\$1,500,000 for the year ended December 31, 2013.								
CRESTWOOD MIDSTREAM PARTNERS L.P.	CMLP	226372100	10/4/2013	APPROVE:	I	YES	FOR	FOR

Agreement & plan of merger, by & among Crestwood Midstream Partners LP ("Crestwood"), Crestwood Gas Services GP LLC, the General Partner of Crestwood, Crestwood Holdings LLC, the parent company of CMLP GP, Inergy Midstream, L.P., NRGM GP, LLC, The General Partner of Inergy Midstream, Inergy L.P., the indirect parent company of NRGM GP, LLC, & Intrepid Merger Sub, LLC.

APPROVE:	I	YES	FOR	FOR
The adjournment of the special meeting, if necessary or appropriate to solicit additional proxies, if there are not sufficient votes to approve the merger agreement at the time of the special meeting.				

APPROVE:	I	YES	FOR	FOR
On an advisory (non-binding basis), the compensation payments that will or may be paid by Crestwood to its named executive officers in connection with the merger.				

ENTERPRISE PRODUCTS PARTNERS L.P.	EPD	293792107	9/30/2013	APPROVE:	I	YES	FOR	FOR
The amendment and restatement of the 2008 Enterprise Products long-term incentive plan.								

APPROVE:	I	YES	FOR	FOR
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The amendment and restatement of the EPD unit purchase plan.

PLAINS ALL AMERICAN PIPELINE, L.P. PAA 726503105 11/19/2013 APPROVE: I YES FOR FOR

The Plains All American 2013 Long-term incentive plan.

APPROVE: I YES FOR FOR

The adjournment of the special meeting to a later date or dates, if deemed necessary or appropriate by the general partner, to solicit additional proxies.

NAVIOS MARITIME PARTNERS L.P. NMM Y62267102 12/4/2013 TO ELECT: I YES FOR FOR

Dimitris P. Gkouras as Director

RATIFY: I YES FOR FOR

The appointment of PricewaterhouseCoopers as the company's independent public accountants for the fiscal year ending December 31, 2013.

SEASPAN CORPORATION SSW Y75638208 1/28/2014 APPROVE: I YES FOR FOR

Adoption of an amendment to Seaspans Corporation's amended and restated articles of incorporation to increase the number of authorized preferred shares from 65,000,000 to 150,000,000, with a corresponding increase in the number of authorized shares of capital stock from 290,000,100 to 375,000,100.

APPROVE: I YES FOR FOR
 Adoption of an amendment to Seaspan Corporation's amended and restated articles of incorporation to declassify the Board of Directors of Seaspan corporation and provide for the annual election of the members of the Board of Directors.

PVR PARTNERS, L.P. PVR 693665101 3/20/2014 TO CONSIDER AND VOTE: I YES FOR FOR
 On a proposal to adopt the agreement and plan of merger, dated as of October 9, 2013 (as it may be amended from time to time), which is referred to as the merger agreement, by and among PVR, PVR GP, LLC, the General partner of PVR, Regency Energy partners LP, and Regency GP LP, the General Partner of Regency, and the transactions contemplated thereby,

TO CONSIDER AND VOTE: I YES FOR FOR
 On a proposal to approve the adjournment of the PVR special meeting, if necessary, to solicit additional proxies if there are not sufficient votes to adopt the merger agreement at the time of the special meeting.

TO CONSIDER AND VOTE: I YES FOR FOR
 On a proposal to approve, on an advisory (non-binding) basis, the related compensation payments that will or

may be paid by PVR to
its named executive
officers in connection
with the merger.

SPECTRA ENERGY CORP.	SE	847560109	4/15/2014	TO ELECT AS DIRECTOR: Gregory L. Ebel Austin. A. Adams Joseph Alvarado Pamela L. Carter Clarence P. Cazlot, Jr. F. Anthony Comper	I	YES FOR FOR
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