Kayne Anderson MLP Investment CO Form N-PX August 12, 2013

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 811-21593

Kayne Anderson MLP Investment Company (Exact name of registrant as specified in charter)

717 Texas Avenue, Suite 3100 Houston, Texas (Address of principal executive offices)

77002 (Zip code)

David J. Shladovsky, Esq. KA Fund Advisors, LLC 717 Texas Avenue, Suite 3100 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, 2012 - June 30, 2013

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; Whether the registrant cast its vote on the matter; (g) (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.

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 MLP Investment Company

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

Kevin S. McCarthy,

Chairman of the Board of Directors,

Date August 6, 2013 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 MLP Investment Company 7/1/2012 - 6/30/2013

Issuer CAPITAL	Symbol	CUSIP	Meeting Date	Matter:	Proposed by (I)ssuer or (S)hrhldr	Vote Cast?	How Voted	For/Agair Mgmt
PRODUCTS PARTNERS L.P.	CPLP	Y11082107	7/23/2012	ELECT: DIRECTOR: ABEL RASTERHOFF DIRECTOR: D.P. CHRISTACOPOULOS	I	YES	FOR	FOR
GOLAR LNG PARTNERS LP	GMLP	Y2745C102	9/21/2012	TO ELECT: BART VELDHUIZEN AS A CLASS I DIRECTOR OF THE PARTNERSHIP WHOSE TERM WILL EXPIRE AT THE 2013 ANNUAL MEETING.	Ι	YES	FOR	FOR
				TO ELECT: CARL ERIK STEEN AS A CLASS II DIRECTOR OF THE PARNTERSHIP WHOSE TERM WILL EXPIRE AT THE 2014 ANNUAL MEETING.	I	YES	FOR	FOR
				TO ELECT: HANS PETTER AAS AS A CLASS III DIRECTOR OF THE PARTNERSHIP WHOSE TERM WILL EXPIRE AT THE 2015 ANNUAL MEETING.	I	YES	FOR	FOR
				TO ELECT: PAUL LEAND JR, AS A CLASS III DIRECTOR OF THE PARTNERSHIP WHOSE TERM WILL EXPIRE AT THE 2015 ANNUAL MEETING.	I	YES	FOR	FOR
	NMM	Y62267102	12/6/2012	TO ELECT:	I	YES	FOR	FOR

	F	Edgar Filing: Ł	Kayne Ande	erson MLP Investment CO - Form N	1-PX			
NAVIOS MARITIME PARTNERS L.P.				DIRECTOR: JOHN KARAKADAS DIRECTOR: RPBERT PIEROT				
				RATIFY: THE APPOINTMENT OF PRICEWATERHOUSECOOPERS AS THE COMPANY'S INDEPENDENT PUBLIC ACCOUNTANTS FOR THE FISCAL YEAR ENDING DECEMBER 31, 2012.	I	YES	FOR	FOR
GOLAR LNG PARTNERS								
LP	GMLP	Y2745C102		TO ELECT: BART VELDHUIZEN AS A CLASS I DIRECTOR OF THE PARTNERSHIP WHOSE TERM WILL EXPIRE AT THE 2013 ANNUAL MEETING OF LIMITED PARTNERS.	I	YES	FOR	FOR
				TO ELECT: CARL ERIK STEEN AS A CLASS II DIRECTOR OF THE PARTNERSHIP WHOSE TERM WILL EXPIRE AT THE 2014 ANNUAL MEETING OF LIMITED PARTNERS.	I	YES	FOR	FOR
				TO ELECT: HANS PETTER AAS AS A CLASS III DIRECTOR OF THE PARTNERSHIP WHOSE TERM	I	YES	FOR	FOR

WILL EXPIRE AT THE 2015 ANNUAL MEETING OF LIMITED PARTNERS.

PAUL LEAND JR., AS A CLASS

PARTNERSHIP WHOSE TERM WILL EXPIRE AT THE 2015 ANNUAL MEETING OF LIMITED PARTNERS.

III DIRECTOR OF THE

I

YES

FOR

TO ELECT:

FOR

				TO APPROVE: THE ADOPTION OF AN AMENDMENT TO SECTION 13.9 OF THE PARTNERSHIP'S FIRST AMENDED AND RESTATED AGREEMENT OF THE LIMITED PARTNERSHIP TO REDUCE THE QUORUM REQUIREMENT FOR MEETINGS OF THE LIMITED PARTNERS FROM A MAJORITY TO 33 1/3% OF THE OUTSTANDING UNITS OF THE PARTNERSHIP.	I	YES A	GAINST A	GAINS
MAGELLAN MIDSTREAM PARTNERS	100	55000010 6	4/05/0010					
LP	MMP	559080106	4/25/2013	TO ELECT AS DIRECTOR: WALTER R. ARNHEIM PATRICK C. EILERS	I I	YES YES	FOR FOR	FOR FOR
				ADVISORY RESOLUTION: TO APPROVE EXECUTIVE COMPENSATION.	I	YES	FOR	FOR
				RATIFY: APPOINTMENT OF INDEPENDENT AUDITOR.	I	YES	FOR	FOR
COPANO ENERGY,								
L.L.C.	CPNO	933767925	4/30/2013	TO ADOPT: THE AGREEMENT AND PLAN OF MERGER, DATED AS OF JANUARY 29, 2013 BY AND AMONG COPANO ENERGY, LLC, KINDER MORGAN ENERGY PARTNERS, L.P., KINDER MORGAN GP, INC., AND JAVELINA MERGER SUB LLC, A WHOLLY-OWNED SUBSIDIARY OF KINDER MORGAN ENERGY PARTNERS, L.P.	I	YES	FOR	FOR
				TO APPROVE: THE ADJOURMENT OF THE COMPANY'S SPECIAL MEETING, IF NECESSARY TO SOLICIT ADDITIONAL PROXIES IF THERE ARE NOT	I	YES	FOR	FOR

SUFFICIENT VOTES TO ADOPT THE MERGER AGREEMENT AT THE TIME OF THE SPECIAL MEETING.

				TO APPROVE: ON AN ADVISORY (NON-BINDING) BASIS, THE RELATED COMPENSATION PAYMENTS THAT WILL OR MAY BE PAID BY THE COMPANY TO ITS NAMED EXECUTIVE OFFICERS IN CONNECTION WITH THE MERGER.	I	YES	FOR	FOR
KINDER								
MORGAN, INC.	KMI	49456B1017	5/7/2013	DIRECTOR: RICHARD D. KINDER C. PARK SHAPER STEVEN J. KEAN ANTHONY W. HALL, JR. DEBORAH A. MACDONALD MICHAEL MILLER MICHAEL C. MORGAN FAYEZ SAROFIM JOEL V. STAFF JOHN STOKES ROBERT F. VAGT	I I I I I I I I I	YES	FOR FOR FOR FOR FOR FOR FOR FOR	FOR FOR FOR FOR FOR FOR FOR FOR
CROSSTEX				RATIFICATION: OF THE SELECTION OF PRICEWATERHOUSECOOPERS LLP AS THE INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM FOR 2013.	I	YES	FOR	FOR
ENERGY, L.P.	XTEX	22765U102	5/9/2013	APPROVE: THE AMENDED AND RESTATED CROSSTEX ENERGY GP, LLC LONG-TERM INCENTIVE PLAN (INCLUDING AN INCREASE IN THE NUMBER OF COMMON UNITS AVAILABLE FOR ISSUANCE THEREUNDER).	I	YES	FOR	FOR

LEGACY LGCY 524707304 5/14/2013 DIRECTOR:

RESERVES

		.ugar Filling. r	Tayrie Arius		N-LV			
LP								
Li				CARY D. BROWN	I	YES	FOR	FOR
				KYLE A. MCGRAW	I	YES	FOR	FOR
				DALE A. BROWN	I	YES	FOR	FOR
				G. LARRY LAWRENCE	I	YES	FOR	FOR
				WILLIAM D. SULLIVAN	I	YES	FOR	FOR
				WILLIAM R. GRANBERRY	I	YES	FOR	FOR
				KYLE D. VANN	I	YES	FOR	FOR
				RATIFY: THE APPOINTMENT OF BDO USA, LLP AS THE INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM FOR THE FISCAL YEAR ENDING DECEMBER 31, 2013.	I	YES	FOR	FOR
				ENDING DECEMBER 31, 2013.				
THE WILLIAMS COMPANIES,								
INC.	WMB	969457100	5/16/2013	ELECTION OF DIRECTOR:	I	YES	FOR	FOR
11.0.	****	707.07.22	0,10,200	ALAN S. ARMSTRONG	Ī	YES	FOR	FOR
				JOSEPH R. CLEVELAND	I	YES	FOR	FOR
				KATHLEEN B. COOPER	I	YES	FOR	FOR
				JOHN A. HAGG	I	YES	FOR	FOR
				JUANITA H. HINSHAW	I	YES	FOR	FOR
				RALPH IZZO	I	YES	FOR	FOR
				FRANK T. MACINNIS	I	YES	FOR	FOR
				STEVEN W. NANCE	I	YES	FOR	FOR
				MURRAY D. SMITH	I	YES	FOR	FOR
				JANICE D. STONEY	I	YES	FOR	FOR
				LAURA A. SUGG	I	YES	FOR	FOR
				RATIFY: ERNST & YOUNG LLP AS AUDITORS FOR 2013.	I	YES	FOR	FOR
				APPROVAL: BY NONBINDING ADVISORY VOTE, OF THE COMPANY'S EXECUTIVE COMPENSATION.	I	YES	FOR	FOR
TARGA RESOURCES CORP.	TRGP	87612G101	5/20/2013	DIRECTOR:				
		0.0111	0,2 0,2	RENE R. JOYCE	I	YES	FOR	FOR
				PETER R. KAGAN	I	YES	FOR	FOR
				CHRIS TONG	I	YES	FOR	FOR
				CINIS TONG	1	LEO	TOK	TOK
				RATIFICATION:	I	YES	FOR	FOR

OF SELECTION OF INDEPENDENT AUDITORS.

ONEOK, INC.	OKE	682680103	5/22/2013	ELECTION OF DIRECTOR:	.	**********	EOD	70n
				JAMES C. DAY	I	YES	FOR	FOR
				JULIE H. EDWARDS WILLIAMS L. FORD	I I	YES YES	FOR FOR	FOR FOR
				JOHN W. GIBSON	I	YES	FOR	FOR
				BERT H. MACKIE	I	YES	FOR	FOR
				STEVEN J. MALCOLM	I	YES	FOR	FOR
				JIM W. MOGG	I	YES	FOR	FOR
				PATTYE L. MOORE	I	YES	FOR	FOR
				GARY D. PARKER	I	YES	FOR	FOR
				EDUARDO A. RODRIGUEZ	I	YES	FOR	FOR
				RATIFY:	I	YES	FOR	FOR
				THE SELECTION OF				
				PRICEWATERHOUSECOOPERS LLP AS THE COMPANY'S				
				INDEPENDENT REGISTRED				
				PUBLIC ACCOUNTING FIRM.				
				APPROVE:	I	YES	FOR	FOR
				THE MATERIAL TERMS OF				
				THE PERFORMANCE GOALS				
				OF THE EQUITY				
				COMPENSATION PLAN.				
				ADVISORY VOTE:	I	YES	FOR	FOR
				TO APPROVE THE COMPANY'S				
				EXECUTIVE COMPENSATION.				
				SHAREHOLDER PROPOSAL:	S	YES A	AGAINST	FOR
				REGARDING PUBLICATION OF				
				A REPORT ON METHANE				
				EMISSIONS.				
MARKWEST								
ENERGY								
PARTNERS L	MANA	E707E0100	<i>E 1</i> 00/0010	DIRECTOR.				
P	MWE	570759100	5/29/2013	DIRECTOR: FRANK M. SEMPLE	I	YES	FOR	FOR
				DONALD D. WOLF	I	YES	FOR	FOR
				KEITH E. BAILEY	I	YES	FOR	FOR
				MICHAEL L. BEATTY	I	YES	FOR	FOR
				CHARLES K. DEMPSTER	I	YES	FOR	FOR
				DONALD C. HEPPERMANN	I	YES	FOR	FOR
				RANDALL J. LARSON	I	YES	FOR	FOR
				ANNE E. FOX MOUNSEY	I	YES	FOR	FOR
				WILLIAM P. NICOLETTI	I	YES	FOR	FOR

		ugai riiirig. r	Tayrie Ariu	erson wile investment GO - Form N	-LV			
				RATIFY: DELOITTE & TOUCHE LLP AS THE PARTNERSHIP'S INDEPENDENT REGISTERED PUBLIC ACCOUNTANT FOR THE FISCAL YEAR ENDING DECEMBER 31, 2013.	I	YES	FOR	FOR
BUCKEYE PARTNERS,								
L.P.	BPL	118230101	6/4/2013	DIRECTOR: OLIVER G. RICHARD, III CLARK C. SMITH	I I	YES YES	FOR FOR	FOR FOR
				FRANK S. SOWINSKI	I	YES	FOR	FOR
				APPROVE: THE COMPANY'S 2013 LONG-TERM INCENTIVE PLAN.	I	YES	FOR	FOR
				RATIFY: THE SELECTION OF DELOITTE & TOUCHE LLPS AS THE COMPANY'S INDEPENDENT REGISTERED PUBLIC ACCOUNTANTS FOR 2013.	I	YES	FOR	FOR
PVR PARTNERS,								
L.P.	PVR	693665101	6/5/2013	DIRECTOR: ROBERT J. HALL MARSHA R. PERELMAN	I I	YES YES	FOR FOR	FOR FOR
				APPROVE: THE ADVISORY RESOLUTION APPROVING EXECUTIVE COMPENSATION.	Ι	YES	FOR	FOR
				RATIFY: THE APPOINTMENT OF KPMG LLP AS THE PARTNERSHIP'S INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM FOR THE 2013 FISCAL YEAR.	I	YES	FOR	FOR
BREITBURN ENERGY PARTNERS								
L.P.	BBEP	106776107	6/19/2013	DIRECTOR: HALBERT S. WASHBURN CHARLES S. WEISS	I I	YES YES	FOR FOR	FOR FOR

I

YES

FOR

FOR

RATIFY:

				THE APPOINTMENT OF PRICEWATERHOUSECOOPERS LLP AS THE INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM FOR THE YEAR ENDING DECEMBER 31, 2013.	1	TES	TOK	TOK
KNOT OFFSHORE PARTENRS								
LP	KNOP	Y48125101	6/25/2013	ELECT: EDWARD ANDREW WARYAS, JR. AS A CLASS I DIRECTOR, WHOSE TERM WILL EXPIRE AT THE 2014 ANNUAL MEETING OF LIMITED				
				PARTNERS. ANDREW BEVERIDGE AS A CLASS II DIRECTOR, WHOSE TERM WILL EXPIRE AT THE 2015 ANNUAL MEETING OF	I	YES	FOR	FOR
				LIMITED PARTNERS. JOHN COSTAIN AS A CLASS III DIRECTOR, WHOSE TERM WILL EXPIRE AT THE 2016 ANNUAL MEETING OF	I	YES	FOR	FOR
				LIMITED PARTNERS. HANS PETTER AAS AS A CLASS IV DIRECTOR, WHOSE TERM WILL EXPIRE AT THE 2017 ANNUAL MEETING OF	I	YES	FOR	FOR
				LIMITED PARTNERS.	I	YES	FOR	FOR