Kayne Anderson MLP Investment CO Form N-PX August 19, 2010

OMB APPROVAL

OMB Number: 3235-0582

Expires: March 31, 2012

Estimated average burden hours per response 9.6

# 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 77002
(Address of principal executive offices) (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, 2009 - June 30, 2010

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 10, 2010 President and Chief Executive Officer

<sup>\*</sup> Print the name and title of each signing officer under his or her signature.

Item 1 – Proxy Voting Record – Attached on behalf of Kayne Anderson MLP Investment Company

**Proposed** by (I)ssuer Vote How For/Against Meeting or (S)hrhldrCast? Voted Mgmt Issuer Symbol CUSIP Date Matter: **CAPITAL PRODUCT PARTNERS** Ι YES FOR L.P. CPLP Y11082107 7/23/2009 ELECT: **FOR** ABEL RASTERHOFF I YES FOR AGAINST APPROVE: AMENDMENT TO THE COMPANY'S FIRST AMENDED AND RESTATED AGREEMENT OF LIMITED PARTNERSHIP ESTABLISHING THAT IN THE CASE OF ANY MEETING OR LIMITED PARTNERS OF THE COMPANY WHICH HAS BEEN ADJOURNED FOR A SECOND TIME DUE TO ABSENCE OF A QUORUM DURING THE FIRST TWO MEETINGS ALL AS MORE FULLY DESCRIBED IN THE PROXY STATEMENT MAGELLAN **MIDSTREAM** PARTNERS, L.P. MMP Ι YES FOR 559080106 9/25/2009 APPROVE: **FOR** THE AGREEMENT RELATING TO SIMPLIFICATION OF CAPITAL STRUCTURE, DATED AS OF MARCH 3, 2009, BY AND AMONG MAGELLAN MIDSTREAM PARTNERS, L.P., MAGELLAN GP, LLC., MMP'S GENERAL PARTNER, MAGELLAN MIDSTREAM HOLDINGS, L.P. AND MAGELLAN MIDSTREAM HOLDINGS GP, LLC, MGG'S GENERAL PARTNER, AS SUCH

> AGREEMENT MAY BE AMENDED FROM TIME TO

TIME

APPROVE: I YES FOR FOR THE FIFTH AMENDED AND RESTATED AGREEMENT OF LIMITED PARTNERSHIP OF MMP

APPROVE:

ADJOURNMENT OF THE MMP
SPECIAL MEETING TO A
LATER DATE, IF NECESSARY,
TO SOLICIT ADDITIONAL
PROXIES IN THE EVENT THAT
THERE ARE INSUFFICIENT
VOTES IN FAVOR OF ANY OF
THE FOREGOING PROPOSALS

MAGELLAN MIDSTREAM HOLDINGS,

L.P. MGG 55907R108 9/25/2009 APPROVE: I YES FOR FOR

AGREEMENT RELATING TO SIMPLIFICATION OF CAPITAL STRUCTURE BY AND AMONG MAGELLAN MIDSTREAM PARTNERS, L.P., MAGELLAN GP, LLC., MMP'S GENERAL PARTNER, MAGELLAN MIDSTREAM HOLDINGS, L.P., AND MAGELLAN MIDSTREAM HOLDINGS GP, LLC, MGG'S GENERAL PARTNER, AS SUCH AGREEMENT MAY BE AMENDED FROM TIME TO TIME.

APPROVE: I YES FOR FOR

(A) DIRECT MGG, AS THE SOLE MEMBER OF MMP'S GENERAL PARTNER, TO APPROVE MMP'S AMENDED AND RESTATED AGREEMENT OF LIMITED PARTNERSHIP & ALL OTHER MATTERS UNDER SIMPLIFICATION AGREEMENT THAT, PURSUANT TO THE LIMITED LIABILITY COMPANY AGREEMENT OF MMP'S

**FOR** 

GENERAL PARTNER, REQUIRE THE APPROVAL OF MGG; (B) DIRECT MMP'S GENERAL PARTNER TO IMPLEMENT THE MATTERS ABOVE

APPROVE: I YES FOR FOR

THE CONTRIBUTIONS

APPROVE: I YES FOR FOR

THE LIQUIDATION

APPROVE: I YES FOR FOR

THE ADJOURNMENT OF THE MGG SPECIAL MEETING TO A LATER DATE, IF NECESSARY, TO SOLICIT ADDITIONAL PROXIES IN THE EVENT THAT THERE ARE INSUFFICIENT VOTES IN FAVOR OF ANY OF THE FOREGOING PROPOSALS.

ALLIANCE RESOURCE PARTNERS,

L.P. ARLP 01877R108 10/23/2009 APPROVE: I YES FOR

AMENDMENT TO THE 2000 LONG-TERM INCENTIVE PLAN OF ALLIANCE COAL, LLC, THE OPERATING SUBSIDIARY OF ALLIANCE RESOURCE PARTNERS, L.P.

TEPPCO PARTNERS,

L.P. TPP 872384102 10/23/2009 APPROVE: I YES FOR FOR

AGREEMENT AND PLAN OF MERGER DATED AS OF JUNE 28, 2009 BY AND AMONG ENTERPRISE PRODUCTS PARTNERS, L.P., ENTERPRISE PRODUCTS GP, LLC, ENTERPRISE SUB B LLC, TEPPCO PARTNERS, L.P. AND TEXAS EASTERN PRODUCTS PIPELINE COMPANY, LLC, AS IT MAY BE AMENDED FROM TIME TO TIME AND THE MERGER CONTEMPLATED BY THE MERGER AGREEMENT

**FOR** 

NAVIOS MARITIME PARTNERS							
	Y62267102		ELECT: ROBERT PIEROT JOHN KARAKADAS	I	YES	FOR	FOR
			RATIFY: PRICEWATERHOUSECOOPERS AS THE CO.'S INDEPENDENT PUBLIC ACCOUNTANTS FOR THE FY ENDING 12/31/09	I	YES	FOR	FOR
GLOBAL PARTNERS							
LP GLP	37946R109		APPROVE: AMEND THE PARTNERSHIP AGREEMENT TO: (I) REPLACE THE TERMS "OPERATING SURPLUS" AND "ADJUSTED OPERATING SURPLUS" WITH THE TERM "DISTRIBUTABLE CASH FLOW" (II) INCREASE THE MINIMUM QUARTERLY DISTRIBUTION FROM \$0.4125 TO \$0.4625 PER UNIT PER QUARTER AND (III) REMOVE THE PROVISIONS THAT CURRENTLY PERMIT EARLY CONVERSION OF A PORTION OF THE SUBORDINATED UNITS.	I	YES	FOR	FOR
MAGELLAN MIDSTREAM							
PARTNERS, L.P. MMP	559080106	4/21/2010	ELECT: WALTER R. ARNHEIM PATRICK C. EILERS BARRY R. PEARL	I	YES	FOR	FOR
COPANO ENERGY,							
L.L.C. CPNO	217202100		ELECT: JAMES CRUMP ERNIE DANNER SCOTT GRIFFITHS MICHAEL JOHNSON R. BRUCE NORTHCUTT T. WILLIAM PORTER	I	YES	FOR	FOR

# WILLIAM THACKER

			RATIFY: DELOITTE & TOUCHE LLP AS INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM FOR 2010	I	YES	FOR	FOR
TEEKAY TANKERS LTD. TNK	Y8565N102	6/23/2010	ELECT: C. SEAN DAY RICHARD BRONKIS RICHARD DU MOULIN PETER EVENSEN WILLIAM LAWES BJOURN MOLLER	I	YES	FOR	FOR
MARKWEST ENERGY PARTNERS,							
L.P. MWE	570759100	6/2/2010	ELECT: FRANK M. SEMPLE DONALD D. WOLF KEITH E. BAILEY MICHAEL L. BEATTY CHARLES K. DEMPSTER DONALD C. HEPPERMANN WILLIAM A. KELLSTROM ANNE E. FOX MOUNSEY WILLIAM P. NICOLETTI	I	YES	FOR	FOR
			RATIFY: DELOITTE & TOUCHE LLP AS THE PARTNERSHIP'S INDEPENDENT REGISTERED PUBLIC ACCOUNTANTS FOR THE FY ENDING DECEMBER 31, 2010	I	YES	FOR	FOR
LEGACY RESERVES							
	524707304	5/12/2010	ELECT: CARY D. BROWN G. LARRY LAWRENCE KEYLE D. VANN KYLE A. MCGRAW	I	YES	FOR	FOR