

Kayne Anderson MLP Investment CO  
Form N-23C-2  
April 03, 2013

**Securities and Exchange Commission**

**Washington, DC 20549**

**Rule 23c-2 Notice of Intention to**

**Redeem Securities**

**of**

**Kayne Anderson MLP Investment Company**

**717 Texas Avenue, Suite 3100**

**Houston, Texas 77002**

**under the**

**Investment Company Act of 1940**

**Securities Act File No. 333-165775**

**Investment Company Act File No. 811-21593**

(1) Title of the class of securities of Kayne Anderson MLP Investment Company (the Company ) to be redeemed: Series D Mandatory Redeemable Preferred Shares, liquidation preference \$25.00 per share (CUSIP 486606 403) (the Series D Shares ).

(2) Date on which the securities are to be called or redeemed:  
The date fixed for redemption of the Series D Shares is May 13, 2013.

(3) Applicable provisions of the governing instrument pursuant to which the securities are to be redeemed:  
The Series D Shares are to be redeemed pursuant to Section 3(a)(i) of the Company s Articles Supplementary for the Series D Mandatory Redeemable Preferred Shares, filed with the State Department of Assessments and Taxation of the State of Maryland on May 5, 2011.

(4) The principal amount or number of shares and the basis upon which the securities to be redeemed are to be selected:  
The Company will redeem all of the outstanding Series D Shares, representing an aggregate liquidation preference amount of \$100,000,000, at a total redemption price of \$101,077,500 and a redemption price per share of \$25.269375. The redemption price per share is equal to \$25.00, plus (i) accumulated but unpaid dividends of \$0.144375, calculated using the current rate of 4.95% accrued (whether or not earned or declared by the Company, but excluding interest thereon) to, but not including, the redemption date and (ii) a redemption premium of \$0.125 (0.5% of the liquidation preference per share).

SIGNATURE

Pursuant to the requirement of Rule 23c-2 under the Investment Company Act of 1940, the Company has duly caused this Notice of Intention to Redeem Securities to be signed on its behalf by the undersigned on this 3rd day of April, 2013.

KAYNE ANDERSON MLP INVESTMENT  
COMPANY

By: /s/ Kevin McCarthy

Name: Kevin McCarthy

Title: Chief Executive Officer and President