

Kayne Anderson MLP Investment Company Expects to Complete a \$110 Million Private Placement of Senior Unsecured Notes

Houston, TX – November 4, 2009 – Kayne Anderson MLP Investment Company (the “Company”) (NYSE: KYN) announced today that it expects to complete a private placement of \$110 million, aggregate principal amount, of senior unsecured fixed and floating rate notes (the “Senior Unsecured Notes”). Net proceeds from the private placement will be used to repay certain of the Company’s current borrowings. Detailed terms of the Senior Unsecured Notes, as well as information on the current borrowings that are being repaid, will be provided when the transaction closes.

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Kayne Anderson MLP Investment Company is a non-diversified, closed-end management investment company registered under the Investment Company Act of 1940, whose common stock is traded on the NYSE. The Company's investment objective is to obtain a high after-tax total return by investing at least 85% of its total assets in energy-related master limited partnerships and their affiliates, and in other companies that, as their principal business, operate assets used in the gathering, transporting, processing, storing, refining, distributing, mining or marketing of natural gas, natural gas liquids (including propane), crude oil, refined petroleum products or coal.

CAUTIONARY NOTE REGARDING FORWARD-LOOKING STATEMENTS: This press release contains "forward-looking statements" as defined under the U.S. federal securities laws. Generally, the words "believe," "expect," "intend," "estimate," "anticipate," "project," "will" and similar expressions identify forward-looking statements, which generally are not historical in nature. Forward-looking statements are subject to certain risks and uncertainties that could cause actual results to differ from the Company's historical experience and its present expectations or projections indicated in any forward-looking statements. These risks include, but are not limited to, changes in economic and political conditions; regulatory and legal changes; MLP industry risk; leverage risk; valuation risk; interest rate risk; tax risk; and other risks discussed in the Company's filings with the SEC. You should not place undue reliance on forward-looking statements, which speak only as of the date they are made. The Company undertakes no obligation to publicly update or revise any forward-looking statements made herein. There is no assurance that the Company's investment objectives will be attained.

CONTACT:

KA Fund Advisors, LLC
Monique Vo, 877-657-3863
<http://www.kaynefunds.com>