

Kayne Anderson MLP Investment CO

Form N-2/A

December 09, 2011

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As filed with the Securities and Exchange Commission on December 9, 2011

**1933 Act File No. 333-177550
1940 Act File No. 811-21593**

**UNITED STATES SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549**

Form N-2

- þ **REGISTRATION STATEMENT UNDER THE SECURITIES ACT OF 1933**
 - þ **PRE-EFFECTIVE AMENDMENT NO. 1**
 - o **POST-EFFECTIVE AMENDMENT NO.**
- and/or**
- þ **REGISTRATION STATEMENT UNDER THE INVESTMENT COMPANY ACT OF 1940**
 - þ **AMENDMENT NO. 40**

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)

Registrant's Telephone Number, including Area Code: (713) 493-2020

**David J. Shladovsky, Esq.
KA Fund Advisors, LLC
1800 Avenue of the Stars, Second Floor
Los Angeles, California 90067**
(Name and Address of Agent for Service)

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Approximate Date of Proposed Public Offering: From time to time after the effective date of the Registration Statement.

If any of the securities being registered on this form will be offered on a delayed or continuous basis in reliance on Rule 415 under the Securities Act of 1933, other than securities offered in connection with a dividend reinvestment plan, check the following box.

It is proposed that this filing will become effective (check appropriate box) when declared effective pursuant to section 8(c).

CALCULATION OF REGISTRATION FEE UNDER THE SECURITIES ACT OF 1933

Title of Securities Being Registered	Amount Being Registered(1)	Proposed Maximum Offering Price Per Unit	Proposed Maximum Aggregate Offering Price(2)	Amount of Registration Fee
Common Stock, \$0.001 par value per share(3)				
Preferred Stock, \$0.001 par value per share(3)				
Total			\$500,000,000	\$57,300(4)

- (1) There are being registered hereunder a presently indeterminate number of shares of common stock and preferred stock to be offered on an immediate, continuous or delayed basis.
- (2) Estimated pursuant to Rule 457 solely for the purpose of determining the registration fee. In no event will the aggregate initial offering price of all securities offered from time to time pursuant to the prospectus included as a part of this Registration Statement exceed \$500,000,000.
- (3) Includes shares that the underwriters have the option to purchase solely to cover over-allotments, if any.
- (4) Fee previously paid.

The Registrant hereby amends this Registration Statement on such date or dates as may be necessary to delay its effective date until the Registrant shall file a further amendment which specifically states that this Registration Statement shall thereafter become effective in accordance with Section 8(a) of the Securities Act of 1933, as amended, or until this Registration Statement shall become effective on such date as the Securities and Exchange Commission, acting pursuant to said Section 8(a), may determine.

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The information in this prospectus is not complete and may be changed. We may not sell these securities until the registration statement filed with the Securities and Exchange Commission is effective. This prospectus is not an offer to sell these securities and it is not soliciting an offer to buy these securities in any jurisdiction where the offer or sale is not permitted.

BASE PROSPECTUS

Subject to completion, dated December 9, 2011
\$500,000,000

Common Stock
Preferred Stock

Kayne Anderson MLP Investment Company (the Company, we, us, or our) is a non-diversified, closed-end management investment company that began investment activities on September 28, 2004 following our initial public offering. Our investment objective is to obtain a high after-tax total return by investing at least 85% of our total assets in energy-related partnerships and their affiliates (collectively, master limited partnerships or MLPs), 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, crude oil, refined petroleum products or coal (collectively with MLPs, Midstream Energy Companies). We invest in equity securities of (i) master limited partnerships, including preferred, common and subordinated units and general partner interests, (ii) owners of such interests in master limited partnerships, and (iii) other Midstream Energy Companies. Additionally, we may invest in debt securities of MLPs and other Midstream Energy Companies. Substantially all of our total assets consist of publicly traded securities of MLPs and other Midstream Energy Companies. We are permitted to invest up to 50% of our total assets in unregistered or otherwise restricted securities of MLPs and other Midstream Energy Companies, including securities issued by private companies.

We may offer, from time to time, shares of our common stock (\$0.001 par value per share) or shares of our preferred stock (\$0.001 par value per share), which we refer to in this prospectus collectively as our securities, in one or more offerings. We may offer our common stock or preferred stock, separately or in concurrent offerings, in amounts, at prices and on terms set forth in a prospectus supplement to this prospectus. You should read this prospectus and the related prospectus supplement carefully before you decide to invest in any of our securities.

We may offer and sell our securities to or through underwriters, through dealers or agents that we designate from time to time, directly to purchasers or through a combination of these methods. If an offering of our securities involves any underwriters, dealers or agents, then the applicable prospectus supplement will name the underwriters, dealers or agents and will provide information regarding any applicable purchase price, fee, commission or discount arrangements made with those underwriters, dealers or agents or the basis upon which such amount may be calculated. For more information about the manners in which we may offer our securities, see Plan of Distribution. We may not sell our securities through agents, underwriters or dealers without delivery of a prospectus supplement.

Investing in our securities may be speculative and involve a high degree of risk and should not constitute a complete investment program. Before buying any securities, you should read the discussion of the material risks of investing in our securities in Risk Factors beginning on page 17 of this prospectus. You should consider carefully these risks together with all of the other information contained in this prospectus and any prospectus supplement before making a decision to purchase our securities.

Neither the Securities and Exchange Commission nor any state securities commission has approved or disapproved of these securities or passed upon the adequacy or accuracy of this prospectus. Any representation to the contrary is a criminal offense.

The date of this prospectus is , 201 .

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(continued from the previous page)

We are managed by KA Fund Advisors, LLC (KAFSA), a subsidiary of Kayne Anderson Capital Advisors, L.P. (together, with KAFSA, Kayne Anderson), a leading investor in MLPs. As of September 30, 2011, Kayne Anderson and its affiliates managed approximately \$12.4 billion, including approximately \$7.5 billion in MLPs and other Midstream Energy Companies.

Shares of our common stock are listed on the New York Stock Exchange (NYSE) under the symbol KYN. The net asset value of our common stock at the close of business on September 30, 2011 was \$24.82 per share, and the last sale price per share of our common stock on the NYSE as of that date was \$27.82. See Market and Net Asset Value Information.

Shares of common stock of closed-end investment companies, like ours, frequently trade at discounts to their net asset values. If our common stock trades at a discount to our net asset value, the risk of loss may increase for purchasers of our common stock, especially for those investors who expect to sell their common stock in a relatively short period after purchasing shares in this offering. See Risk Factors Additional Risks Related to Our Common Stock Market Discount From Net Asset Value Risk.

Our common stock is junior in liquidation and distribution rights to our debt securities and preferred stock. The issuance of our debt securities and preferred stock represents the leveraging of our common stock. See Use of Leverage Effects of Leverage, Risk Factors Additional Risks Related to Our Common Stock Leverage Risk to Common Stockholders and Description of Capital Stock. The issuance of any additional common stock offered by this prospectus will enable us to increase the aggregate amount of our leverage. Our preferred stock is senior in liquidation and distribution rights to our common stock and junior in liquidation and distribution rights to our debt securities. Our debt securities are our unsecured obligations and, upon our liquidation, dissolution or winding up, rank: (1) senior to all of our outstanding common stock and any preferred stock; (2) on a parity with our obligations to any unsecured creditors and any unsecured senior securities representing our indebtedness; and (3) junior to our obligations to any secured creditors.

You should rely only on the information contained or incorporated by reference in this prospectus and any related prospectus supplement. We have not authorized any other person to provide you with different information. If anyone provides you with different or inconsistent information, you should not rely on it. We are not making an offer to sell these securities in any jurisdiction where the offer or sale is not permitted or where the person making the offer or sale is not qualified to do so or to any person to whom it is not permitted to make such offer or sale. You should assume that the information appearing in this prospectus and any prospectus supplement is accurate only as of the respective dates on their front covers, regardless of the time of delivery of this prospectus, any prospectus supplement, or any sale of our common stock. Our business, financial condition, results of operations and prospects may have changed since that date.

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This prospectus is part of a registration statement that we have filed with the Securities and Exchange Commission (the SEC), using the shelf registration process. Under the shelf registration process, we may offer, from time to time, our common stock or preferred stock, separately or in concurrent offerings, in amounts, at prices and on terms set forth in prospectus supplements to this prospectus. The securities may be offered at prices and on terms described in one or more supplements to this prospectus. This prospectus provides you with a general description of the securities that we may offer. Each time we use this prospectus to offer securities, we will provide a prospectus supplement that will contain specific information about the terms of that offering. The prospectus supplement may also add, update or change information contained in this prospectus. This prospectus, together with any prospectus supplement, sets forth concisely the information about us that a prospective investor ought to know before investing. You should read this prospectus and the related prospectus supplement before deciding whether to invest and retain them for future reference. A Statement of Additional Information, dated [], 201 (the SAI), containing additional information about us, has been filed with the SEC and is incorporated by reference in its entirety into this prospectus.

You may request a free copy of our SAI, the table of contents of which is on page 85 of this prospectus, request a free copy of our annual, semi-annual and quarterly reports, request other information or make stockholder inquiries, by

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calling toll-free at (877) 657-3863, or by writing to us at 717 Texas Avenue, Suite 3100, Houston, Texas 77002. Our annual, semi-annual and quarterly reports and the SAI also are available on our website at <http://www.kaynefunds.com>. Information included on such website does not form part of this prospectus.

We file reports (including our annual, semi-annual and quarterly reports, and the SAI), proxy statements and other information with the SEC under the Securities Exchange Act of 1934, as amended (the

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Exchange Act). Copies of such reports, proxy statements and other information, as well as the registration statement and the amendments, exhibits and schedules thereto, can be obtained from the SEC's Public Reference Room in Washington, D.C. Information relating to the Public Reference Room may be obtained by calling the SEC at (202) 551-8090. Such materials, as well as the Company's annual, semi-annual and quarterly reports and other information regarding the Company, are also available on the SEC's website (<http://www.sec.gov>). You may also e-mail requests for these documents to publicinfo@sec.gov or make a request in writing to the SEC's Public Reference Room, 100 F Street, N.E., Room 1580, Washington, D.C. 20549-0112.

Neither our common stock nor our preferred stock represent a deposit or obligation of, and are not guaranteed or endorsed by, any bank or other insured depository institution, and they are not federally insured by the Federal Deposit Insurance Corporation, the Federal Board or any other governmental agency.

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PROSPECTUS SUMMARY

This summary highlights selected information contained elsewhere in this prospectus. This summary does not contain all of the information that you should consider before investing in our securities offered by this prospectus. You should carefully read the entire prospectus, any related prospectus supplement and the SAI, including the documents incorporated by reference into them, particularly the section entitled Risk Factors and the financial statements and related notes. Except where the context suggests otherwise, the terms the Company, we, us, and our refer to Kayne Anderson MLP Investment Company; KAFA or the Adviser refers to KA Fund Advisors, LLC; Kayne Anderson refers to KAFA and its managing member, Kayne Anderson Capital Advisors, L.P., collectively; midstream energy assets refers to assets used in the gathering, transporting, processing, storing, refining, distributing, mining or marketing of natural gas, natural gas liquids, crude oil, refined petroleum products or coal; MLPs or master limited partnerships refers to (i) energy-related partnerships, (ii) energy-related limited liability companies treated as partnerships and (iii) affiliates of those energy-related partnerships, substantially all of whose assets consist of interests in publicly traded partnerships; Midstream Energy Companies means (i) MLPs and (ii) other companies that, as their principal business, operate midstream energy assets; and Energy Companies means companies that own and operate assets that are used in or provide services to the energy sector, including assets used in exploring, developing, producing, transporting, storing, gathering, processing, refining, distributing, mining or marketing of natural gas, natural gas liquids, crude oil, refined products or coal.

The Company

Kayne Anderson MLP Investment Company, a Maryland corporation, is a non-diversified, closed-end management investment company registered under the Investment Company Act of 1940, as amended (the 1940 Act). Our outstanding shares of common stock are listed on the New York Stock Exchange (the NYSE) under the symbol KYN.

We began investment activities in September 2004 following our initial public offering. As of September 30, 2011, we had approximately 74.9 million shares of common stock outstanding, net assets applicable to our common stock of approximately \$1.9 billion and total assets of approximately \$3.3 billion.

Investment Objective

Our investment objective is to obtain a high after-tax total return by investing at least 85% of our total assets in MLPs and other Midstream Energy Companies.

Investment Policies

We have adopted the following non-fundamental investment policies:

For as long as the word MLP is in our name, it shall be our policy, under normal market conditions, to invest at least 80% of our total assets in MLPs.

We intend to invest at least 50% of our total assets in publicly traded securities of MLPs and other Midstream Energy Companies.

Under normal market conditions, we may invest up to 50% of our total assets in unregistered or otherwise restricted securities of MLPs and other Midstream Energy Companies. The types of unregistered or otherwise restricted securities that we may purchase include common units,

subordinated units, preferred units, and convertible units of, and general partner interests in, MLPs, and securities of other public and private Midstream Energy Companies.

We may invest up to 15% of our total assets in any single issuer.

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We may invest up to 20% of our total assets in debt securities of MLPs and other Midstream Energy Companies, including below investment grade debt securities (commonly referred to as junk bonds or high yield bonds) rated, at the time of investment, at least B3 by Moody's Investors Service, Inc., B- by Standard & Poor's or Fitch Ratings, comparably rated by another rating agency or, if unrated, determined by Kayne Anderson to be of comparable quality. In addition, up to one-quarter of our permitted investments in debt securities (or up to 5% of our total assets) may include unrated debt securities of private companies.

Under normal market conditions, our policy is to utilize our Borrowings and our preferred stock (each a Leverage Instrument and collectively Leverage Instrument) in an amount that represents approximately 30% of our total assets, including proceeds from such Leverage Instruments. However, we reserve the right at any time, if we believe that market conditions are appropriate, to use Leverage Instruments to the extent permitted by the 1940 Act.

We may, but are not required to, use derivative investments and engage in short sales to hedge against interest rate, market and issuer risks.

Unless otherwise stated, all investment restrictions apply at the time of purchase and we will not be required to reduce a position due solely to market value fluctuations. However, although we may not be required to sell securities due to subsequent changes in value, if such changes cause us to have invested less than 80% of our total assets in securities of MLPs, we will be required to make future purchases of securities in a manner so as to bring us into compliance with this investment policy.

Our Board of Directors may change these investment policies without the approval of the holders of a majority of our voting securities, provided that our securities holders receive at least 60 days prior written notice of any change.

Our Portfolio Investments

As of September 30, 2011, we held \$3.2 billion in equity securities and \$41.3 million in debt securities. Our top 10 largest holdings by issuer as of that date were:

	Company	Sector	Units (In thousands)	Amount (\$ millions)	Percent of Long Term Investments
1.	Enterprise Products Partners L.P.	Midstream MLP	6,662	\$277.1	8.0%
2.	Kinder Morgan Management, LLC	MLP Affiliate	3,646	223.4	6.4
3.	Magellan Midstream Partners, L.P.	Midstream MLP	3,457	204.0	5.9
4.	Plains All American Pipeline, L.P.	Midstream MLP	2,876	178.9	5.2
5.	Williams Partners L.P.	Midstream MLP	3,024	168.7	4.9
6.	MarkWest Energy Partners, L.P.	Midstream MLP	3,605	167.1	4.8
7.	Energy Transfer Equity, L.P.	General Partner MLP	3,873	160.1	4.6
8.	Regency Energy Partners L.P.	Midstream MLP	5,683	144.5	4.2
9.	Buckeye Partners, L.P.	Midstream MLP	2,144	128.8	3.7

10.	El Paso Pipeline Partners, L.P.	Midstream MLP	3,320	116.8	3.4
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Our Investment Adviser

KA Fund Advisors, LLC (KAFAs or the Adviser) is our investment adviser, responsible for implementing and administering our investment strategy. KAFAs is a subsidiary of Kayne Anderson Capital Advisors, L.P. (KACALP and together with KAFAs, Kayne Anderson). Both KAFAs and KACALP are SEC-registered investment advisers. As of September 30, 2011, Kayne Anderson and its affiliates managed

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approximately \$12.4 billion, including approximately \$7.5 billion in MLPs and other Midstream Energy Companies.

KAFA manages three other publicly traded investment companies: Kayne Anderson Energy Total Return Fund, Inc. (NYSE: KYE); Kayne Anderson Energy Development Company (NYSE: KED); and Kayne Anderson Midstream/Energy Fund, Inc. (NYSE: KMF). Kayne Anderson has invested in MLPs and other Midstream Energy Companies since 1998. We believe that Kayne Anderson has developed an understanding of the MLP market that enables it to identify and take advantage of public MLP investment opportunities. In addition, Kayne Anderson's senior professionals have developed a strong reputation in the energy sector and have many long-term relationships with industry managers, which we believe gives Kayne Anderson an important advantage in sourcing and structuring private investments.

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The Offering

We may offer, from time to time, up to \$500 million of our common stock or preferred stock at prices and on terms to be set forth in one or more prospectus supplements to this prospectus.

We may offer and sell our securities to or through underwriters, through dealers or agents that we designate from time to time, directly to purchasers or through a combination of these methods. If an offering of securities involves any underwriters, dealers or agents, then the applicable prospectus supplement will name the underwriters, dealers or agents and will provide information regarding any applicable purchase price, fee, commission or discount arrangements made with those underwriters, dealers or agents or the basis upon which such amount may be calculated. See Plan of Distribution. We may not sell any of our securities through agents, underwriters or dealers without delivery of a prospectus supplement describing the method and terms of the offering of our securities.

Use of Financial Leverage

We plan to utilize financial leverage with respect to our common stock through the issuance of preferred stock and debt securities, our revolving credit facility and other borrowings (such as prime brokerage or margin loans). The timing and terms of any leverage transactions will be determined by our Board of Directors. The issuance of additional common stock offered by this prospectus will enable us to increase the aggregate amount of our leverage. Throughout this prospectus, our debt securities, our revolving credit facility and other borrowings are collectively referred to as Borrowings.

We generally will seek to enhance our total returns through the use of financial leverage. Under normal market conditions, our policy is to utilize our Borrowings and our preferred stock, (each a Leverage Instrument and collectively Leverage Instruments) in an amount that represents approximately 30% of our total assets, including proceeds from such Leverage Instruments (which equates to approximately 56% of our net asset value as of September 30, 2011). However, based on market conditions at the time, we may use Leverage Instruments in amounts that represent greater than 30% leverage to the extent permitted by the 1940 Act. As of September 30, 2011, our Leverage Instruments represented approximately 31.6% of our total assets. At September 30, 2011, our asset coverage ratios under the 1940 Act, were 373% and 280% for debt and total leverage (debt plus preferred stock), respectively. We currently target an asset coverage ratio with respect to our debt of 375%, but at times may be above or below our target depending on market conditions. Leverage Instruments have seniority in liquidation and distribution rights over our common stock. Costs associated with any issuance of preferred stock are borne immediately by common stockholders and result in a reduction of the net asset value of our common stock. See Use of Leverage.

Because our Adviser's management fee is based upon a percentage of our average total assets, our Adviser's fee is higher since we employ leverage. Therefore, our Adviser has a financial incentive to use leverage, which may create a conflict of interest between our Adviser and our common stockholders.

There can be no assurance that our leveraging strategy will be successful during any period in which it is used. The use of leverage involves significant risks and creates a greater risk of loss, as well as potential for more gain, for holders of our common stock than if leverage is not used. See Risk Factors Additional Risks Related to Our Common Stock Leverage Risk to Common Stockholders and Additional Risks Related to Our Preferred Stock Senior Leverage Risk to Preferred Stockholders.

Derivatives and Other Strategies

We currently expect to write call options with the purpose of generating realized gains or reducing our ownership of certain securities. We will only write call options on securities that we hold in our portfolio (*i.e.*, covered calls). A call

option on a security is a contract that gives the holder of such call option the right to buy the security underlying the call option from the writer of such call option at a specified price at any

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time during the term of the option. At the time the call option is sold, the writer of a call option receives a premium (or call premium) from the buyer of such call option. If we write a call option on a security, we have the obligation upon exercise of such call option to deliver the underlying security upon payment of the exercise price. When we write a call option, an amount equal to the premium received by us will be recorded as a liability and will be subsequently adjusted to the current fair value of the option written. Premiums received from writing options that expire unexercised are treated by us as realized gains from investments on the expiration date. If we repurchase a written call option prior to its exercise, the difference between the premium received and the amount paid to repurchase the option is treated as a realized gain or realized loss. If a call option is exercised, the premium is added to the proceeds from the sale of the underlying security in determining whether we have realized a gain or loss. We, as the writer of the option, bear the market risk of an unfavorable change in the price of the security underlying the written option.

We currently expect to utilize hedging techniques such as interest rate swaps to mitigate potential interest rate risk on a portion of our Leverage Instruments. Such interest rate swaps would principally be used to protect us against higher costs on our Leverage Instruments resulting from increases in short-term interest rates. We anticipate that the majority of our interest rate hedges will be interest rate swap contracts with financial institutions.

We may use short sales, arbitrage and other strategies to try to generate additional return. As part of such strategies, we may (i) engage in paired long-short trades to arbitrage pricing disparities in securities held in our portfolio; (ii) purchase call options or put options, (iii) enter into total return swap contracts; or (iv) sell securities short. Paired trading consists of taking a long position in one security and concurrently taking a short position in another security within the same or an affiliated issuer. With a long position, we purchase a stock outright; whereas with a short position, we would sell a security that we do not own and must borrow to meet our settlement obligations. We will realize a profit or incur a loss from a short position depending on whether the value of the underlying stock decreases or increases, respectively, between the time the stock is sold and when we replace the borrowed security. See Risk Factors Risks Related to Our Investments and Investment Techniques Short Sales Risk. A total return swap is a contract between two parties designed to replicate the economics of directly owning a security. We may enter into total return swaps with financial institutions related to equity investments in certain MLPs.

To a lesser extent, we may use various hedging and other risk management strategies to seek to manage market risks. Such hedging strategies would be utilized to seek to protect against possible adverse changes in the market value of securities held in our portfolio, or to otherwise protect the value of our portfolio. We may execute our hedging and risk management strategy by engaging in a variety of transactions, including buying or selling options or futures contracts on indexes. See Risk Factors Risks Related to Our Investments and Investment Techniques Derivatives Risk.

For purposes of determining compliance with the requirement that we invest 80% of our total assets in MLPs, we value derivative instruments based on their respective current fair market values. See Investment Objective and Policies.

Distributions

We have paid distributions to our common stockholders every fiscal quarter since inception and intend to continue to pay quarterly distributions to our common stockholders, funded in part by the net distributable income generated from our portfolio investments. The net distributable income generated from our portfolio investments is the amount received by us as cash or paid-in-kind distributions from equity securities owned by us, interest payments received on debt securities owned by us, other payments on securities owned by us, net premiums received from the sale of covered call options and income tax benefits, if any, less current or anticipated operating expenses, income tax expense, if any, and our leverage costs (including dividends on preferred stock issued by us and excluding non-cash amortization of costs to issue leverage). On October 14, 2011 we paid a quarterly distribution of \$0.5025 per share to our common

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stockholders. Payment of future distributions is subject to approval by our Board of Directors, as well as meeting the covenants of our senior debt, the terms of our preferred stock and the asset coverage requirements of the 1940 Act.

We pay dividends on the Series A MRP Shares, Series B MRP Shares, Series C MRP Shares and Series D MRP Shares (collectively, the MRP Shares) in accordance with the terms thereof. The holders of the Series A MRP Shares, Series B MRP Shares and Series C MRP Shares shall be entitled to receive quarterly cumulative cash dividends, and the holders of the Series D MRP Shares shall be entitled to receive monthly cumulative cash dividends, when, as and if authorized by the Board of Directors. The Series A MRP Shares pay dividends at a rate of 5.57% per annum, the Series B MRP Shares pay dividends at a rate of 4.53% per annum, the Series C MRP Shares pay dividends at a rate of 5.20% per annum and the Series D MRP Shares pay dividends at a rate of 4.95% per annum.

Use of Proceeds

Unless otherwise specified in a prospectus supplement, we intend to use the net proceeds of any sales of our securities pursuant to this prospectus to make investments in portfolio companies in accordance with our investment objective and policies, to repay indebtedness or for general corporate purposes. Pending such investments, we anticipate either investing the proceeds in short-term securities issued by the U.S. government or its agencies or instrumentalities or in high quality, short-term or long-term debt obligations or money market instruments. The supplement to this prospectus relating to an offering will more fully identify the use of proceeds from such offering. See Use of Proceeds.

Taxation

We are treated as a corporation for federal income tax purposes and, as a result, we are subject to corporate income tax to the extent we recognize net taxable income. As a partner in MLPs, we report our allocable share of each MLP's taxable income or loss in computing our taxable income or loss, whether or not we actually receive any cash from such MLP. See Tax Matters.

Stockholder Tax Features

Excluding the impact of any realized gains or realized losses, we expect that a portion of our distributions to our common stockholders may constitute a non-taxable return of capital distribution. If we make distributions from current and accumulated earnings and profits (which includes realized gains or realized losses, if any) as computed for federal income tax purposes, such distributions will generally be taxable to stockholders in the current period as ordinary income for federal income tax purposes and would be eligible for the lower tax rates applicable to qualified dividend income of non-corporate taxpayers under current law. If such distributions exceed our current and accumulated earnings and profits as computed for federal income tax purposes, such excess distributions will constitute a non-taxable return of capital to the extent of a common stockholder's basis in our common stock and will result in a reduction of such basis. To the extent such excess exceeds a common stockholder's basis in our common stock, such excess will be taxed as capital gain. A return of capital represents a return of a stockholder's original investment in our shares, and should not be confused with a dividend from earnings and profits. Upon the sale of common stock, a holder of our common stock generally will recognize capital gain or loss measured by the difference between the sale proceeds received by the common stockholder and the common stockholder's federal income tax basis in our common stock sold, as adjusted to reflect return of capital. See Tax Matters.

Risk Considerations

Investing in our common stock or preferred stock involves risk, including the risk that you may receive little or no return on your investment, or even that you may lose part of all of your investment. Therefore, before investing in our common stock or preferred stock you should consider carefully the risks set

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forth in **Risk Factors** beginning on page 17. We are designed primarily as a long-term investment vehicle, and neither our common stock nor our preferred stock is an appropriate investment for a short-term trading strategy. An investment in our common stock or preferred stock should not constitute a complete investment program for any investor and involves a high degree of risk. Due to the uncertainty in all investments, there can be no assurance that we will achieve our investment objective.

Tax Risks

In addition to other risk considerations, an investment in our securities will involve certain tax risks, including, the risk the master limited partnerships in which we invest will be classified as corporations rather than as partnerships for federal income tax purposes (which may reduce our return and negatively affect the net asset value of our common stock) and the risk of changes in tax laws or regulations, or interpretations thereof, which could adversely affect us or the portfolio companies in which we invest. Tax matters are very complicated, and the federal, state, local and foreign tax consequences of an investment in and holding of our securities will depend on the facts of each investor's situation. Investors are encouraged to consult their own tax advisers regarding the specific tax consequences that may affect such investors. See **Risk Factors – Tax Risks** for more information on these risks.

Dividend Reinvestment Plan

We have adopted a dividend reinvestment plan for our common stockholders. Our plan is an "opt out" dividend reinvestment plan. As a result, if we declare a cash distribution to our common stockholders, then such distributions will be automatically reinvested in additional shares of our common stock, unless the stockholder specifically elects to receive cash. Common stockholders who receive distributions in the form of stock will be subject to the same federal, state and local tax consequences as common stockholders who elect to receive their distribution in cash. See **Dividend Reinvestment Plan**.

Trading at a Discount

The shares of common stock of closed-end investment companies frequently trade at prices lower than their net asset value. We cannot assure you that our common stock will trade at a price higher than or equal to our net asset value. The possibility that our common stock may trade at a discount to our net asset value is separate and distinct from the risk that our common stock's net asset value may decline. In addition to net asset value, the market price of our common stock may be affected by such factors as the distributions we make, which are in turn affected by expenses, the stability of our distributions, liquidity and market supply and demand. If the proceeds per share from offering our common stock, after underwriting discounts and offering costs, are less than our net asset value, our net asset value will be reduced immediately following this offering. See **Risk Factors, Description of Capital Stock and Our Structure; Common Stock Repurchases and Change In Our Structure**. Our common stock is designed primarily for long-term investors and you should not purchase our common stock if you intend to sell it shortly after purchase.

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FORWARD-LOOKING STATEMENTS

Certain statements in this prospectus constitute forward-looking statements, which involve known and unknown risks, uncertainties and other factors that may cause our actual results, levels of activity, performance or achievements to be materially different from any future results, levels of activity, performance or achievements expressed or implied by such forward-looking statements. Such factors include, among others, those listed under **Risk Factors** in this prospectus and our SAI. In this prospectus, we use words such as **anticipates, believes, expects, intends** and similar expressions to identify forward-looking statements.

The forward-looking statements contained in this prospectus include statements as to:

- our operating results;
- our business prospects;
- our expected investments and the impact of investments that we expect to make;
- our contractual arrangements and relationships with third parties;
- the dependence of our future success on the general economy and its impact on the industries in which we invest;
- our ability to source favorable private investments;
- the ability of the MLPs and other Midstream Energy Companies in which we invest to achieve their objectives;
- our use of financial leverage and expected financings;
- our tax status;
- the tax status of the MLPs in which we intend to invest;
- the adequacy of our cash resources and working capital; and
- the timing and amount of distributions, dividends and interest income from the MLPs and other Midstream Energy Companies in which we intend to invest.

The factors identified above are believed to be important factors, but not necessarily all of the important factors, that could cause our actual results to differ materially from those expressed in any forward-looking statement. Unpredictable or unknown factors could also have material adverse effects on us. Since our actual results, performance or achievements could differ materially from those expressed in, or implied by, these forward-looking statements, we cannot give any assurance that any of the events anticipated by the forward-looking statements will occur, or, if any of them do, what impact they will have on our results of operations and financial condition. All forward-looking statements included in this prospectus are expressly qualified in their entirety by the foregoing cautionary statements. You are cautioned not to place undue reliance on these forward-looking statements, which speak only as of the date of this prospectus. We do not undertake any obligation to update, amend or clarify these

forward-looking statements or the risk factors contained in this prospectus, whether as a result of new information, future events or otherwise, except as may be required under the federal securities laws. Although we undertake no obligation to revise or update any forward-looking statements, whether as a result of new information, future events or otherwise, you are advised to consult any additional disclosures that we may make directly to you or through reports that we in the future may file with the SEC, including our annual reports. We acknowledge that, notwithstanding the foregoing statement, the safe harbor for forward-looking statements under the Private Securities Litigation Reform Act of 1995 does not apply to investment companies such as us.

Table of Contents**KAYNE ANDERSON MLP INVESTMENT COMPANY**

We are a non-diversified, closed-end management investment company registered under the 1940 Act. We were formed as a Maryland corporation in June 2004 and began investment activities in September 2004 after our initial public offering. Our common stock is listed on the NYSE under the symbol KYN.

As of September 30, 2011, we had (a) approximately 74.9 million shares of common stock outstanding, (b) \$775 million in Senior Notes outstanding and (c) \$260 million of MRP Shares outstanding. As of September 30, 2011, we had net assets applicable to our common stock of approximately \$1.9 billion and total assets of approximately \$3.3 billion.

The following table sets forth information about our outstanding securities as of September 30, 2011 (the information in the table is unaudited; and amounts are in 000s):

Title of Class	Amount of Shares/ Aggregate Liquidation Preference/ Aggregate Principal Amount Authorized	Amount Held by Us or for Our Account	Actual Amount Outstanding
Common Stock	189,600	0	74,868
Series A Mandatory Redeemable Preferred Shares(1)	\$ 110,000	\$ 0	\$ 110,000
Series B Mandatory Redeemable Preferred Shares(1)	8,000	0	8,000
Series C Mandatory Redeemable Preferred Shares(1)	42,000	0	42,000
Series D Mandatory Redeemable Preferred Shares(1)	100,000	0	100,000
Senior Notes, Series I	60,000	0	60,000
Senior Notes, Series K	125,000	0	125,000
Senior Notes, Series M	60,000	0	60,000
Senior Notes, Series N	50,000	0	50,000
Senior Notes, Series O	65,000	0	65,000
Senior Notes, Series P	45,000	0	45,000
Senior Notes, Series Q	15,000	0	15,000
Senior Notes, Series R	25,000	0	25,000
Senior Notes, Series S	60,000	0	60,000
Senior Notes, Series T	40,000	0	40,000
Senior Notes, Series U	60,000	0	60,000
Senior Notes, Series V	70,000	0	70,000
Senior Notes, Series W	100,000	0	100,000

(1) Each share has a liquidation preference of \$25.00.

Our principal office is located at 717 Texas Avenue, Suite 3100, Houston, Texas 77002, and our telephone number is (713) 493-2020.

Table of Contents**FEES AND EXPENSES**

The following table contains information about the costs and expenses that common stockholders will bear directly or indirectly. The table below assumes the use of Leverage Instruments in an amount equal to 25.9% of our total assets, which represents our average leverage levels for the fiscal year ended November 30, 2010, and shows our expenses as a percentage of net assets attributable to our common stock. **We caution you that the percentages in the table below indicating annual expenses are estimates and may vary from actual results.**

Stockholder Transaction Expenses:

Sales Load Paid (as a percentage of offering price) (1)	%
Offering Expenses Borne (as a percentage of offering price) (2)	
Dividend Reinvestment Plan Fees (3)	None
Total Stockholder Transaction Expenses (as a percentage of offering price)(4)	%

Percentage of Net Assets Attributable to Common Stock (5)**Annual Expenses:**

Management Fees (6)	2.10%
Interest Payments on Borrowed Funds	1.66
Dividend Payments on Preferred Stock	0.28
Other Expenses (exclusive of current and deferred income tax expense)	0.23
Annual Expenses (exclusive of current and deferred income tax expense)	4.27
Current Income Tax Expense (7)	0.00
Deferred Income Tax Expense (7)	20.46
Total Annual Expenses (including current and deferred income tax expenses)	24.73%

- (1) The sales load will apply only if the securities to which this prospectus relates are sold to or through underwriters. In such case, a corresponding prospectus supplement will disclose the applicable sales load.
- (2) The related prospectus supplement will disclose the estimated amount of offering expenses, the offering price and the offering expenses as a percentage of the offering price.
- (3) The expenses of administering our Dividend Reinvestment Plan are included in Other Expenses. Common stockholders will pay brokerage charges if they direct American Stock Transfer & Trust Company, as their agent (the Plan Administrator), to sell their common stock held in a dividend reinvestment account. See Dividend Reinvestment Plan.
- (4) The related prospectus supplement will disclose the offering price and the total stockholder transaction expenses as a percentage of the offering price.

- (5) The annual expenses in the table are calculated using (i) such expenses as reported on our statement of operations for the fiscal year ended November 30, 2010 and (ii) our average net assets for the fiscal year ended November 30, 2010.
- (6) Pursuant to the terms of the investment management agreement between us and our Adviser, the management fee is calculated at an annual rate of 1.375% of our average total assets (excluding net deferred income tax assets, if any). Management fees in the table above are calculated as a percentage of

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net assets attributable to common stock, which results in a higher percentage than the percentage attributable to average total assets. See Management Investment Management Agreement.

(7) For the fiscal year ended November 30, 2010, we recorded no current tax expense and net deferred tax expense of \$293 million attributable to our net investment loss, realized gains and unrealized gains.

The purpose of the table above and the example below is to help you understand all fees and expenses that you would bear directly or indirectly as a holder of our common stock. See Management and Dividend Reinvestment Plan.

Example

The following example illustrates the expenses that common stockholders would pay on a \$1,000 investment in our common stock, assuming total annual expenses before tax are 4.27% of net asset value in year 1. The following example assumes that all distributions are reinvested at net asset value, an annual rate of return of 5% on our portfolio securities, and expenses include income tax expense associated with the 5% assumed rate of return on such portfolio securities.

	1 Year	3 Years	5 Years	10 Years
Expenses	\$ 58	\$ 178	\$ 303	\$ 646

THE EXAMPLE AND THE EXPENSES IN THE TABLE ABOVE SHOULD NOT BE CONSIDERED A REPRESENTATION OF FUTURE EXPENSES. The example assumes that the estimated Annual Expenses (exclusive of current and deferred income tax expense) set forth in the Annual Expenses table are accurate and that all distributions are reinvested at net asset value. ACTUAL EXPENSES (INCLUDING THE COST OF LEVERAGE, IF ANY, AND OTHER EXPENSES) MAY BE GREATER OR LESS THAN THOSE SHOWN. Moreover, our actual rate of return may be greater or less than the hypothetical 5% return shown in the example.

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FINANCIAL HIGHLIGHTS

The Financial Highlights for the period September 28, 2004 (commencement of operations) through November 30, 2004 and the fiscal years ended November 30, 2005, 2006, 2007, 2008, 2009 and 2010, including accompanying notes thereto and the reports of PricewaterhouseCoopers LLP thereon, contained in our Annual Report to Stockholders for the fiscal year ended November 30, 2010 contained in our Form N-CSR filed with the SEC on February 4, 2011 and the Financial Highlights and other financial information for the six months ended May 31, 2011 contained in our Semi-Annual Report to Stockholders on Form N-CSR for the six-month period ended May 31, 2011 filed with the SEC on July 28, 2011 are hereby incorporated by reference into, and are made part of, this prospectus. A copy of such Annual Report to Stockholders and such Semi-Annual Report to Stockholders must accompany the delivery of this prospectus.

Table of Contents**SENIOR SECURITIES**

Information about our outstanding senior securities (including Series D Auction Rate Preferred Shares (ARP Shares), MRP Shares, Senior Notes and other indebtedness) is shown in the following table as of each fiscal year ended November 30 since we commenced operations. The information for the fiscal years ended 2005, 2006, 2007, 2008, 2009 and 2010, and for the period ended November 30, 2004 has been derived from our financial statements which have been audited by PricewaterhouseCoopers LLP, whose report thereon is included in the financial statements incorporated by reference herein.

Year	Title of Security	Total Amount Outstanding (1) (\$ in 000s)	Asset Coverage Per \$1,000 of Principal or Liquidation Preference Amount	Involuntary Liquidating Preference Per Amount (2) (\$ in 000s)	Average Market Value Per Unit (3)
2004	N/A	N/A	N/A	N/A	N/A
2005	Senior Notes				
	Series A	\$85,000	\$4,873	\$85,000	N/A
	Series B	85,000	4,873	85,000	N/A
	Series C	90,000	4,873	90,000	N/A
	ARP Shares	75,000	3,782	75,000	N/A
2006	Senior Notes				
	Series A	\$85,000	\$4,497	\$85,000	N/A
	Series B	85,000	4,497	85,000	N/A
	Series C	90,000	4,497	90,000	N/A
	Series E	60,000	4,497	60,000	N/A
	Revolving Credit Facility	17,000	4,497	17,000	N/A
	ARP Shares	75,000	3,678	75,000	N/A
2007	Senior Notes				
	Series A	\$85,000	\$3,284	\$85,000	N/A
	Series B	85,000	3,284	85,000	N/A
	Series C	90,000	3,284	90,000	N/A
	Series E	60,000	3,284	60,000	N/A
	Series F	185,000	3,284	185,000	N/A
	Revolving Credit Facility	97,000	3,284	97,000	N/A
	ARP Shares	75,000	2,920	75,000	N/A
2008	Senior Notes				
	Series G	\$75,000	\$3,389	\$75,000	N/A

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Series H	20,000	3,389	20,000	N/A
Series I	60,000	3,389	60,000	N/A
Series J	24,000	3,389	24,000	N/A
Series K	125,000	3,389	125,000	N/A
Revolving Credit Facility				N/A
ARP Shares	75,000	2,718	75,000	N/A

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Year	Title of Security	Total Amount Outstanding (1) (\$ in 000s)	Asset Coverage Per \$1,000 of Principal or Liquidation Preference Amount	Involuntary Liquidating Preference Per Amount (2) (\$ in 000s)	Average Market Value Per Unit (3)
2009	Senior Notes				
	Series G	\$75,000	\$4,009	\$75,000	N/A
	Series I	60,000	4,009	60,000	N/A
	Series K	125,000	4,009	125,000	N/A
	Series M	60,000	4,009	60,000	N/A
	Series N	50,000	4,009	50,000	N/A
	Revolving Credit Facility				N/A
	ARP Shares	75,000	3,333	75,000	N/A
2010	Senior Notes				
	Series G	\$75,000	\$4,203	\$75,000	N/A
	Series I	60,000	4,203	60,000	N/A
	Series K	125,000	4,203	125,000	N/A
	Series M	60,000	4,203	60,000	N/A
	Series N	50,000	4,203	50,000	N/A
	Series O	65,000	4,203	65,000	N/A
	Series P	45,000	4,203	45,000	N/A
	Series Q	15,000	4,203	15,000	N/A
	Series R	25,000	4,203	25,000	N/A
	Series S	60,000	4,203	60,000	N/A
	Series T	40,000	4,203	40,000	N/A
	Revolving Credit Facility				N/A
	MRP Shares				
	Series A	110,000	3,341	110,000	N/A
	Series B	8,000	3,341	8,000	N/A
	Series C	42,000	3,341	42,000	N/A

(1) Total amount of each class of senior securities outstanding at the end of the period presented.

(2) The amount to which such class of senior security would be entitled upon the involuntary liquidation of the issuer in preference to any security junior to it.

(3) Not applicable, as senior securities are not registered for public trading.

Table of Contents**MARKET AND NET ASSET VALUE INFORMATION**

Shares of our common stock are listed on the NYSE under the symbol KYN. Our common stock commenced trading on the NYSE on September 28, 2004.

Our common stock has traded both at a premium and at a discount in relation to its net asset value. Although our common stock has traded at a premium to net asset value, we cannot assure that this will continue after the offering or that the common stock will not trade at a discount in the future. Our issuance of common stock may have an adverse effect on prices in the secondary market for our common stock by increasing the number of shares of common stock available, which may create downward pressure on the market price for our common stock. Shares of closed-end investment companies frequently trade at a discount to net asset value. See Risk Factors Additional Risks Related to Our Common Stock Market Discount From Net Asset Value Risk.

The following table sets forth for each of the fiscal quarters indicated the range of high and low closing sales price of our common stock and the quarter-end sales price, each as reported on the NYSE, the net asset value per share of common stock and the premium or discount to net asset value per share at which our shares were trading. Net asset value is generally determined on the last business day of each calendar month. See Net Asset Value for information as to the determination of our net asset value.

	Quarterly Closing Sales Price		Sales Price	Quarter-End Closing	
				Net Asset Value Per Share of Common Stock (1)	Premium/ (Discount) of Quarter-End Sales Price to Net Asset Value (2)
	High	Low			
Fiscal Year 2011					
Third Quarter	\$30.37	\$ 24.35	\$ 28.40	\$ 26.01	9.2%
Second Quarter	32.71	28.44	29.43	27.53	6.9
First Quarter	31.51	27.93	30.91	28.73	7.6
Fiscal Year 2010					
Fourth Quarter	\$28.49	\$ 25.63	\$ 28.49	\$ 26.67	6.8%
Third Quarter	27.11	24.65	25.54	23.96	6.6
Second Quarter	27.46	24.75	25.25	21.90	15.3
First Quarter	26.31	22.99	24.86	22.23	11.8