Voya PRIME RATE TRUST Form POS 8C June 22, 2016

As filed with the Securities and Exchange Commission on June 22, 2016

Securities Act File No. 333- 203653

Investment Company Act File No. 811-05410

U.S. SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

FORM N-2

(Check Appropriate box or boxes)

Registration Statement Under The Securities Act Of 1933		
Pre-Effective Amendment No.	0	
Post-Effective Amendment No. 2	x	
and/or		
Registration Statement Under The Investment Company Act Of 1940	х	
Amendment No. 108 (Check appropriate box or boxes)	X	

VOYA PRIME RATE TRUST

(Exact Name of Registrant Specified in Charter)

7337 E. Doubletree Ranch Road, Suite 100

Scottsdale, AZ 85258

(Address of Principal Executive Offices)

Registrant s Telephone Number, Including Area Code: (800) 992-0180

Huey P. Falgout, Jr. Voya Investments, LLC 7337 East Doubletree Ranch Road, Suite 100 Scottsdale, AZ 85258

(Name and Address of Agent for Service)

With copies to:

Elizabeth J. Reza Ropes & Gray LLP Prudential Tower 800 Boylston Street Boston, MA 02199-3600

Approximate Date of Proposed Offering:

As soon as practical after the effective date of this Registration Statement.

If any 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. X

It is proposed that this filing will become effective:

x When declared effective pursuant to Section 8(c) of the Securities Act of 1933.

VOYA PRIME RATE TRUST

(Registrant)

25,000,000 Common Shares

CONTENTS OF REGISTRATION STATEMENT

This Registration Statement consists of the following papers and documents:

Cover Sheet

Contents of Registration Statement

Voya Prime Rate Trust 25,000,000 Common Shares Prospectus dated June 30, 2016

• Voya Prime Rate Trust 5,000,000 and 25,000,000 Common Shares Statement of Additional Information dated June 30, 2016

Part C

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Signature Page

Prospectus June 30, 2016

- Voya Prime Rate Trust
- 25,000,000 Common Shares

PPR

This Prospectus sets forth concisely the information about Voya Prime Rate Trust ("Trust") that a prospective investor ought to know before investing. You should read it carefully before you invest and keep it for future reference. The Trust has filed with the U.S. Securities and Exchange Commission ("SEC") a Statement of Additional Information ("SAI") dated June 30, 2016 containing additional information about the Trust. The SAI is incorporated by reference in its entirety into this Prospectus. You may make shareholder inquiries or obtain a free copy of the SAI, annual shareholder report, and unaudited semi-annual shareholder report by contacting the Trust at 1-800-336-3436 or by writing to the Trust at 7337 East Doubletree Ranch Road, Suite 100, Scottsdale, Arizona 85258-2034. The Trust's SAI, annual shareholder report, and unaudited semi-annual shareholder report are also available free of charge on the Trust's website at www.voyainvestments.com. The Prospectus, SAI, and other information about the Trust are also available on the SEC's website (www.sec.gov). The table of contents for the SAI appears in the back of this Prospectus.

Common Shares of the Trust trade on the New York Stock Exchange ("NYSE") under the symbol PPR.

The Trust's investment objective is to provide investors with as high a level of current income as is consistent with the preservation of capital. Market fluctuations and general economic conditions can adversely affect the Trust. There is no guarantee that the Trust will achieve its investment objective. Investment in the Trust involves certain risks and special considerations, including risks associated with the Trust's use of leverage. See "Risk Factors and Special Considerations" later in this Prospectus for a discussion of any factors that make an investment in the Trust speculative or high risk.

Neither the SEC nor any state securities commission has approved or disapproved these securities, or determined that this Prospectus is truthful or complete. Any representation to the contrary is a criminal offense.

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The following synopsis is qualified in its entirety by reference to the more detailed information appearing elsewhere in this Prospectus.

DESCRIPTION OF THE TRUST

The Trust

The Trust is a diversified, closed-end management investment company registered under the Investment Company Act of 1940, as amended, and the rules, regulations, and exemptive orders thereunder ("1940 Act"). It was organized as a Massachusetts business trust on December 2, 1987. As of June 10, 2016, the Trust's net asset value ("NAV") per Common Share was \$5.66.

NYSE Listed

As of June 10, 2016, the Trust had 147,787,629.271 Common Shares outstanding, which are traded on the NYSE under the symbol PPR. At that date, the last reported sales price of a Common Share of the Trust was \$5.20. Investment Objective

To provide investors with as high a level of current income as is consistent with the preservation of capital. There is no assurance that the Trust will achieve its investment objective. The investment objective is fundamental and may not be changed without a majority vote of the shareholders of the Trust. See "Description of the Trust – Fundamental and Non-Fundamental Investment Policies of the Trust" later in this Prospectus.

Adviser/Sub-Adviser

Voya Investments, LLC ("Voya Investments" or "Adviser"), an Arizona limited liability company, serves as the investment adviser to the Trust. Voya Investments has overall responsibility for the management of the Trust. Voya Investments oversees all investment advisory and portfolio management services for the Trust and assists in managing and supervising all aspects of the general day-to-day business activities and operations of the Trust, including custodial, transfer agency, dividend disbursing, accounting, auditing, compliance and related services. Voya Investments is registered with the SEC as an investment adviser.

The Adviser is an indirect, wholly-owned subsidiary of Voya Financial, Inc. Voya Financial, Inc. is a U.S.-based financial institution whose subsidiaries operate in the retirement, investment, and insurance industries.

The Adviser receives an annual fee, payable monthly, in an amount equal to 1.05% of the Trust's average daily gross asset value, minus the sum of the Trust's accrued and unpaid dividends on any outstanding preferred shares and accrued liabilities (other than liabilities for the principal amount of any borrowings incurred, commercial paper, or notes issued by the Trust and the liquidation preference of any outstanding preferred shares) ("Managed Assets"). This definition includes the assets acquired through the Trust's use of leverage.

Voya Investment Management Co. LLC ("Voya IM" or "Sub-Adviser") serves as sub-adviser to the Trust. Voya IM is an affiliate of the Adviser.

See "Investment Management and Other Service Providers - Sub-Adviser and Portfolio Managers" later in this Prospectus.

Voya Investments' principal office is located at 7337 East Doubletree Ranch Road, Suite 100, Scottsdale, Arizona 85258. As of March 31, 2016, Voya Investments managed approximately \$50 billion in assets. Distributions

Income dividends on Common Shares accrue, are declared, and are paid monthly. Income dividends may be distributed in cash or reinvested in additional full and fractional shares of the Trust through the Trust's Shareholder Reinvestment Program.

Principal Investment Strategies

The Trust seeks to achieve its investment objective by investing, under normal market conditions, at least 80% of its net assets (plus borrowings for investment purposes) in U.S. dollar-denominated floating rate secured senior loans ("Senior Loans"). The Trust will provide shareholders with at least 60 days' prior notice of any change in this investment policy. Under normal market conditions, the Trust invests at least 80% of its assets in Senior Loans made to corporations or other business entities organized under U.S. or Canadian law and that are domiciled in the United States and in U.S. territories and possessions or Canada.

The Senior Loans in which the Trust invests either hold the most senior position in the capital structure of the borrower, hold an equal ranking with other senior debt, or have characteristics (such as a senior position secured by

liens on a borrower's assets) that the Adviser or Sub-Adviser believes justify treatment as senior debt. These Senior Loans are typically below investment-grade quality. Investments rated below investment-grade (or of similar quality if unrated) are commonly known as high-yielding, high risk investments or as "junk" investments.

The Trust typically makes its investments in Senior Loans by purchasing a portion of the overall loan, i.e., the Trust becomes one of a number of lenders investing in the loan. The Trust may also make its investments in Senior Loans through the use of derivative instruments such as participations, credit-linked notes, credit default swaps, and total return swaps as long as the reference obligation for any such instrument is a Senior Loan. Investments through the use of such derivative instruments involve counterparty risk, i.e., the risk that the party from which such instrument is purchased will not perform as agreed. The Trust seeks to minimize such counterparty risk by purchasing such investments from large, well established and highly rated counterparties.

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Other Investment Strategies and Policies

Loans in which the Trust invests typically have multiple interest rate reset periods at the same time, with each reset period applicable to a designated portfolio of the loan. The maximum duration of an interest rate reset on any loan in which the Trust may invest is one year. In order to achieve overall reset balance, the Trust will ordinarily maintain a dollar-weighted average time until the next interest rate adjustment on its loans of 90 days or less.

Normally at least 80% of the Trust's portfolio will be invested in Senior Loans with maturities of one to ten years. The maximum maturity on any loan in which the Trust may invest is ten years.

To seek to increase the yield on the Common Shares, the Trust may engage in lending its portfolio securities. Such lending will be fully secured by investment-grade collateral held by an independent agent.

The Trust may engage in executing repurchase and reverse repurchase agreements.

The Trust may invest up to 20% of its total assets, measured at the time of investment, in a combination of one or more of the following types of investments: loans to borrowers organized or located in countries outside the United States and outside U.S. territories and possessions or Canada; unsecured floating rate loans, notes, and other debt instruments; floating rate subordinated loans; tranches of floating rate asset-backed securities, including structured notes; corporate debt securities; and equity securities incidental to investment in loans. See "Investment Objective and Policies" later in this Prospectus.

The Trust may invest up to 15% of its total assets, measured at the time of investment, in investments denominated in the Organization for Economic Co-operation and Development ("OECD") currencies (including the euro), other than the U.S. dollar. The Trust will engage in currency exchange transactions to seek to hedge, as closely as practicable, 100% of the economic impact to the Trust arising from foreign currency fluctuations. The Trust may not be entirely successful in implementing this hedging strategy, resulting in the Trust being adversely affected by foreign currency fluctuations.

Leverage

To seek to increase the yield on the Common Shares, the Trust employs financial leverage by borrowing money and may also issue preferred shares. The timing and terms of leverage will be determined by the Trust's Board of Trustees ("Board") in consultation with the Adviser or Sub-Adviser. See "Risk Factors and Special Considerations - Leverage" later in this Prospectus.

Borrowings

The Trust may borrow money in an amount permitted under the 1940 Act, including the rules, regulations, interpretations thereunder and any exemptive or other relief provided by the SEC. The Trust's obligations to holders of its debt are senior to its ability to pay dividends on, or repurchase, Common Shares and preferred shares, or to pay holders of Common Shares and preferred shares in the event of liquidation.

Preferred Shares

The Trust is authorized to issue an unlimited number of shares of a class of preferred stock in one or more series ("Preferred Shares"). The Trust's obligations to holders of any outstanding Preferred Shares will be senior to its ability to pay dividends on, or repurchase, Common Shares, or to pay holders of Common Shares in the event of liquidation. Under the 1940 Act, the Trust may issue Preferred Shares so long as immediately after any issuance of Preferred Shares the value of the Trust's total assets (less all Trust liabilities and indebtedness that is not senior indebtedness) is at least twice the amount of the Trust's senior indebtedness plus the involuntary liquidation preference of all outstanding Preferred Shares.

The 1940 Act also requires that the holders of any Preferred Shares of the Trust, voting as a separate class, have the right to:

- elect at least two trustees at all times; and
- elect a majority of the trustees at any time when dividends on any series of Preferred Shares are unpaid for two full years.

As of June 10, 2016 the Trust had no Preferred Shares outstanding. The Trust may consider issuing Preferred Shares during the current fiscal year or in the future. Diversification

The Trust maintains a diversified investment portfolio through an investment strategy which seeks to limit exposure to any one issuer or industry.

The Trust is diversified, as such term is defined in the 1940 Act. A diversified fund may not, as to 75% of its total assets, invest more than 5% of its total assets in any one issuer and may not purchase more than 10% of the outstanding voting securities of any one issuer (other than securities issued or guaranteed by the U.S. government or any of its agencies or instrumentalities, or other investment companies). The Trust will consider a borrower on a loan, including a loan participation, to be the issuer of that loan. In addition, with respect to a loan under which the Trust does not have privity with the borrower or would not have a direct cause of action against the borrower in the event of the failure of the borrower to make payment of scheduled principal or interest, the Trust will separately meet the foregoing requirements and consider each interpositioned bank (a lender from which the Trust acquires a loan) to be an issuer of the loan. This investment strategy is a fundamental policy that may not be changed without shareholder approval. With respect to no more than 25% of its total assets, the Trust may make investments that are not subject to the foregoing restrictions.

Concentration

In addition, a maximum of 25% of the Trust's total assets, measured at the time of investment, may be invested in any one industry. This investment strategy is also a fundamental policy that may not be changed without shareholder approval.

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Voya Prime Rate Trust

Plan of Distribution

The Common Shares are offered by the Trust through the Trust's Shareholder Reinvestment Program. The Shareholder Reinvestment Program allows participating shareholders to reinvest all dividends in additional shares of the Trust, and also allows participants to purchase additional Common Shares through optional cash investments in amounts ranging from a minimum of \$100 to a maximum of \$100,000 per month. The Trust and Voya Investments Distributor, LLC ("Distributor") reserve the right to reject any purchase order. Please note that cash, traveler's checks, third-party checks, money orders, and checks drawn on non-U.S. banks (even if payment may be effected through a U.S. bank) generally will not be accepted. Common Shares may be issued by the Trust under the Shareholder Reinvestment Program only if the Trust's Common Shares are trading at a premium to NAV. If the Trust's Common Shares purchased under the Shareholder Reinvestment Program will be purchased on the open market. See "Plan of Distribution" later in this Prospectus.

Shareholders may elect to participate in the Shareholder Reinvestment Program by telephoning the Trust or submitting a completed Participation Form to BNY Mellon Investment Servicing (US) Inc.

Common Shares also may be offered pursuant to privately negotiated transactions between the Trust or the Distributor and individual investors. Common Shares of the Trust issued in connection with privately negotiated transactions will be issued at the greater of: (i) NAV per Common Share of the Trust's Common Shares; or (ii) at a discount ranging from 0% to 5% of the average daily market price of the Trust's Common Shares at the close of business on the two business days preceding the date upon which Common Shares are sold pursuant to the privately negotiated transaction. See "Plan of Distribution" later in this Prospectus.

Principal Risks

Credit Default Swaps: The Trust may enter into credit default swaps, either as a buyer or a seller of the swap. A buyer of a swap pays a fee to buy protection against the risk that a security will default. If no default occurs, the Trust will have paid the fee, but typically will recover nothing under the swap. A seller of a swap receives payment(s) in return for an obligation to pay the counterparty the full notional value of a security in the event of a default of the security issuer. As a seller of a swap, the Trust would effectively add leverage to its portfolio because, in addition to its total net assets, the Trust would be subject to investment exposure on the full notional value of the swap. Credit default swaps are particularly subject to counterparty, credit, valuation, liquidity and leveraging risks and the risk that the swap may not correlate as expected. Certain standardized swaps are subject to mandatory central clearing. Central clearing is expected to reduce counterparty credit risk and increase liquidity; however, there is no assurance that they will achieve that result, and in the meantime, central clearing and related requirements expose the Trust to new kinds of costs and risks.

Credit for Loans: Prices of the Trust's investments are likely to fall if the actual or perceived financial health of the borrowers on, or issuers of, such investments deteriorates, whether because of broad economic or issuer-specific reasons, or if the borrower or issuer is late (or defaults) in paying interest or principal. The Trust invests a substantial portion of its assets in below investment-grade Senior Loans and other below investment-grade assets. Below investment-grade loans commonly known as high-yielding, high risk investments or as "junk" investments involve a greater risk that borrowers may not make timely payment of the interest and principal due on their loans and are subject to greater levels of credit and liquidity risks. They also involve a greater risk that the value of such loans could decline significantly. If borrowers do not make timely payments of the interest due on their loans, the yield on the Common Shares will decrease. If borrowers do not make timely payment of the principal due on their loans, or if the value of such loans decreases, the net asset value will decrease.

Demand for Loans: An increase in demand for loans may benefit the Trust by providing increased liquidity for such loans and higher sales prices, but it may also adversely affect the rate of interest payable on such loans and the rights provided to the Trust under the terms of the applicable loan agreement, and may increase the price of loans in the secondary market. A decrease in the demand for loans may adversely affect the price of loans in the Trust's portfolio, which could cause the Trust's net asset value to decline and reduce the liquidity of the Trust's loan holdings. Derivative Instruments: Derivative instruments are subject to a number of risks, including the risk of changes in the market price of the underlying securities, credit risk with respect to the counterparty, risk of loss due to changes in market interest rates and liquidity and volatility risk. The amounts required to purchase certain derivatives may be small relative to the magnitude of exposure assumed by the Trust. Therefore, the purchase of certain derivatives may

have an economic leveraging effect on the Trust and exaggerate any increase or decrease in the net asset value. Derivatives may not perform as expected, so the Trust may not realize the intended benefits. When used for hedging purposes, the change in value of a derivative may not correlate as expected with the currency, security or other risk being hedged. When used as an alternative or substitute for direct cash investments, the return provided by the derivative may not provide the same return as direct cash investment. In addition, given their complexity, derivatives expose the Trust to the risk of improper valuation.

Impact of Shareholder Reinvestment Program and Privately Negotiated Transactions: The issuance of Common Shares through the Shareholder Reinvestment Program and/or through privately negotiated transactions may have an adverse effect on the secondary market for the Common Shares. The increase in the number of the outstanding Common Shares resulting from issuances pursuant to the Shareholder Reinvestment Program or pursuant to privately negotiated transactions, and the discount to the market price at which such Common Shares may be issued, may put downward pressure on the market

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price for Common Shares. Common Shares will not be issued pursuant to the Shareholder Reinvestment Program at any time when Common Shares are trading at a price lower than the net asset value per Common Share. Interest Rate: Changes in short-term market interest rates will directly affect the yield on Common Shares. If short-term market interest rates fall, the yield on Common Shares will also fall. To the extent that the interest rate spreads on loans in the Trust's portfolio experience a general decline, the yield on the Common Shares will fall and the value of the Trust's assets may decrease, which will cause the Trust's net asset value to decrease. Conversely, when short-term market interest rates rise, because of the lag between changes in such short-term rates and the resetting of the floating rates on assets in the Trust's portfolio, the impact of rising rates will be delayed to the extent of such lag. In the case of inverse securities, the interest rate paid by such securities generally will decrease when the market rate of interest to which the inverse security is indexed increases. With respect to investments in fixed rate instruments, a rise in market interest rates generally causes values of such instruments to fall. The values of fixed rate instruments with longer maturities or duration are more sensitive to changes in market interest rates.

As of the date of this Prospectus, market interest rates in the United States are at or near historic lows, which may increase the Trust's exposure to risks associated with rising market interest rates. Rising market interest rates could have unpredictable effects on the markets and may expose fixed-income and related markets to heightened volatility, which could reduce liquidity for certain investments, adversely affect values, and increase costs. If dealer capacity in fixed-income and related markets is insufficient for market conditions, it may further inhibit liquidity and increase volatility in the fixed-income and related markets. Further, recent and potential changes in government policy may affect interest rates.

Leverage: The use of leverage through borrowings or the issuance of Preferred Shares can adversely affect the yield on the Common Shares. To the extent that the Trust is unable to invest the proceeds from the use of leverage in assets which pay interest at a rate which exceeds the rate paid on the leverage, the yield on the Common Shares will decrease. In addition, in the event of a general market decline in the value of assets such as those in which the Trust invests, the effect of that decline will be magnified in the Trust because of the additional assets purchased with the proceeds of the leverage. The Trust is subject to certain restrictions imposed by lenders to the Trust and may be subject to certain restrictions imposed by guidelines of one or more rating agencies which may issue ratings for debt or the Preferred Shares issued by the Trust. These restrictions are expected to impose asset coverage, fund composition requirements and limits on investment techniques, such as the use of financial derivative products that are more stringent than those imposed on the Trust by the 1940 Act. These restrictions could impede the manager from fully managing

the Trust's portfolio in accordance with the Trust's investment objective and policies. As of June 10, 2016, the Trust had \$323 million in outstanding borrowings under one credit facility.

Limited Secondary Market for Loans: Because of the limited secondary market for loans, the Trust may be limited in its ability to sell loans in its portfolio in a timely fashion and/or at a favorable price. Furthermore, transactions in loans may settle on a delayed basis. As a result the Trust may not receive the proceeds from a sale of a floating rate loan for a significant period of time which may affect the Trust's ability to repay debt, to pay dividends, to pay expenses, or to take advantage of new investment opportunities.

Market Discount: Shares of closed-end investment companies frequently trade at a discount from their net asset value. The possibility that Common Shares will trade at a discount from their net asset value is a risk separate and distinct from the risk that the net asset value may decrease.

Non-U.S. and Non-Canadian Issuers: Investment in foreign borrowers involves special risks, including that foreign borrowers may be subject to: less rigorous regulatory, accounting, and reporting requirements than U.S. borrowers; differing legal systems and laws relating to creditors' rights; the potential inability to enforce legal judgments; economic adversity that would result if the value of the borrower's non-U.S. dollar denominated revenues and assets were to fall because of fluctuations in currency values; and the potential for political, social, and economic adversity in the foreign borrower's country.

Temporary Defensive Positions: When market conditions make it advisable, the Trust may hold a portion of its assets in cash and short-term interest bearing instruments. Moreover, in periods when, in the opinion of the manager, a temporary defensive position is appropriate, up to 100% of the Trust's assets may be held in cash, short-term interest bearing instruments and/or any other securities the manager considers consistent with a temporary defensive position.

The Trust may not achieve its investment objective when pursuing a temporary defensive position. Valuation of Loans: The Trust values its assets daily. However, because the secondary market for floating rate loans is limited, it may be difficult to value loans, exposing the Trust to the risk that the price at which it sells loans will be less than the price at which they were valued when held by the Trust. Reliable market value quotations may not be readily available for some loans and determining the fair valuation of such loans may require more research than for securities that trade in a more active secondary market. In addition, elements of judgment may play a greater role in the valuation of loans than for more securities that trade in a more developed secondary market because there is less reliable, objective market value data available. If the Trust purchases a relatively large portion of a loan, the limitations of the secondary market may inhibit the Trust from selling a portion of the loan and reducing its exposure to a borrower when the manager deems it advisable to do so. Even if the Trust itself does not own a relatively large portion of a particular loan, the Trust, in combination with other 4

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similar accounts under management by the same portfolio managers, may own large portions of loans. The aggregate amount of holdings could create similar risks if and when the portfolio managers decide to sell those loans. These risks could include, for example, the risk that the sale of an initial portion of the loan could be at a price lower than the price at which the loan was valued by the Trust, the risk that the initial sale could adversely impact the price at which additional portions of the loan are sold, and the risk that the foregoing events could warrant a reduced valuation being assigned to the remaining portion of the loan still owned by the Trust.

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WHAT YOU PAY TO INVEST - TRUST EXPENSES

The cost you pay to invest in the Trust includes the expenses incurred by the Trust. In accordance with SEC requirements, the table below shows the expenses of the Trust, including interest expense on borrowings, as a percentage of the average net assets of the Trust and not as a percentage of gross assets or Managed Assets. By showing expenses as a percentage of the average net assets, expenses are not expressed as a percentage of all of the assets that are invested for the Trust. The table below assumes that the Trust has borrowed an aggregate amount equal to 30% of its Managed Assets. For information about the Trust's expense ratios if the Trust had not borrowed, see "Risk Factors and Special Considerations - Annual Expenses Without Borrowings."

Shareholder Transaction Expenses:	
Shareholder Reinvestment Program Fees	None
Privately Negotiated Transactions:	
Sales Load (as a percentage of offering price)	3.00%
Annual Expenses (as a percentage of average net assets attributable to Common Shares):	
Management Feels	1.50%
Interest Expense on Borrowed Funds	0.52%
Other Operating Expenses	0.15%
Total Annual Expenses	2.17%
Fee Waivers/Reimbursements/Recoupment	None
Net Annual Expenses	2.17%

Pursuant to the investment management agreement with the Trust, the Adviser is paid a fee of 1.05% of the

1 Trust's Managed Assets. For the description of "Managed Assets," please see "Description of the Trust – Adviser/Sub-Adviser" earlier in this Prospectus.

2 Other Operating Expenses are estimated amounts for the current fiscal year and do not include the expenses of borrowing.

The Adviser is contractually obligated to limit expenses of the Trust at a rate of 1.05% of average daily Managed Assets plus 0.15% of average daily net assets through July 1, 2017. The limitation does not extend to interest, taxes, investment-related costs, leverage expenses, extraordinary expenses, and Acquired Fund Fees and Expenses. The 3limitation is subject to possible recoupment by the adviser within 36 months of the waiver or reimbursement and the amount of the recoupment is limited to the lesser of the amounts that would be recoupable under: (i) the expense cap

in effect at the time of the waiver or reimbursement; or (ii) the expense cap in effect at the time of recoupment. Termination or modification of this obligation requires approval by the Trust's board.

Example

The following Example shows the amount of the expenses that an investor in the Trust would bear on a \$1,000 investment that is held for the different time periods in the table. The Example assumes that all dividends and other distributions are reinvested at NAV and that the percentage amounts listed under Total Annual Expenses in the table above remain the same in the years shown. The table and the assumption in the Example of a 5% annual return are required by regulations of the SEC applicable to all investment companies. The assumed 5% annual return is not a prediction of, and does not represent, the projected or actual performance of the Trust's Common Shares. For more complete descriptions of certain of the Trust's costs and expenses, see "Investment Management and Other Service Providers."

The following Example applies to shares issued in connection with privately negotiated transactions, which have the maximum front-end sales load of 3%.

1	3	5	10
Year	Years	Years	Years

You would pay the following expenses on a \$1,000 investment, assuming a 5% annual return and borrowings by the Trust in an aggregate amount equal to 30% of its \$51.57 97.93 148.78 297.28 Managed Assets.

The purpose of the table is to assist you in understanding the various costs and expenses that an investor in the Trust will bear directly or indirectly.

The foregoing Example should not be considered a representation of future expenses and actual expenses may be greater or less than those shown.

FINANCIAL HIGHLIGHTS

The financial highlights table is intended to help you understand the Trust's financial performance for the periods shown. Certain information reflects the financial results for a single share. The total returns in the table represent the rate of return that an investor would have earned or lost on an investment in the Trust (assuming reinvestment of all dividends and/or distributions). The information has been audited by KPMG LLP, whose report, along with the Trust's financial statements, is included in the Trust's Annual Report, which is available upon request.

FINANCIAL HIGHLIGHTS (continued)

Selected data for a share of beneficial interest outstanding throughout each year or period.

			Ratios	
4	Per Share Operating Performance	Total Investment Return ⁽¹⁾	to average net assets	Supplemental data

OTHER MATTERS

The Board knows of no other matters that are intended to be brought before the meeting. If other matters are properly presented at the Annual Meeting, the proxies named in the enclosed form of proxy will vote on those matters in their sole discretion.

INDEPENDENT ACCOUNTING FEES AND POLICIES

Audit and Related Fees

Audit Fees. The aggregate fees billed to us by PricewaterhouseCoopers LLP during our fiscal years 2008 and 2007 for professional services rendered with respect to the audit of our financial statements were \$324,000 and \$239,000, respectively.

Audit-Related Fees. We were not billed by PricewaterhouseCoopers LLP for any fees for assurance and related services reasonably related to the performance of the audits of our annual financial statements for either of the past two fiscal years.

Tax Fees. For professional services for tax compliance, tax advice and tax planning for our fiscal years 2008 and 2007, we were billed by PricewaterhouseCoopers LLP for fees in the amounts of \$196,000 and \$178,000, respectively.

All Other Fees. We were not billed by PricewaterhouseCoopers LLP for any fees for services other than those described above during either of the past two fiscal years.

Aggregate Non-Audit Fees. We were not billed by PricewaterhouseCoopers LLP for any amounts for any non-audit services during either of the past two fiscal years. In addition, neither Kayne Anderson nor any entity controlling, controlled by, or under common control with Kayne Anderson that provides ongoing services to us, was billed by PricewaterhouseCoopers LLP for any non-audit services during either of the past two fiscal years.

Audit Committee Pre-Approval Policies and Procedures

Before the auditor is (i) engaged by us to render audit, audit related or permissible non-audit services to us or (ii) with respect to non-audit services to be provided by the auditor to Kayne Anderson or any entity in the investment company complex, if the nature of the services provided relate directly to our operations or financial reporting, either: (a) the Audit Committee shall pre-approve such engagement; or (b) such engagement shall be entered into pursuant to pre-approval policies and procedures established by the Audit Committee. Any such policies and procedures must be detailed as to the particular service and not involve any delegation of the Audit Committee s responsibilities to Kayne Anderson. The Audit Committee may delegate to one or more of its members the authority to grant pre-approvals. The pre-approval policies and procedures shall include the requirement that the decisions of any member to whom authority is delegated under this provision shall be presented to the full Audit Committee at its next scheduled meeting. Under certain limited circumstances, pre-approvals are not required if certain *de minimis* thresholds are not exceeded, as such thresholds are set forth by the Audit Committee and in accordance with applicable SEC rules and regulations.

For engagements with PricewaterhouseCoopers LLP, the Audit Committee approved in advance all audit services and non-audit services that PricewaterhouseCoopers LLP provided to us and to Kayne Anderson (with respect to our operations and financial reporting). None of the services rendered by PricewaterhouseCoopers LLP to us or Kayne Anderson were pre-approved by the Audit Committee pursuant to the pre-approval exception under Rule 2.01(c)(7)(i)(C) or Rule 2.01(c)(7)(ii) of Regulation S-X. The Audit Committee has considered whether the provision of non-audit services rendered by PricewaterhouseCoopers LLP to Kayne Anderson and any entity controlling, controlled by, or under common control with Kayne Anderson that were not required to be pre-approved by the Audit Committee is compatible with maintaining PricewaterhouseCoopers LLP s independence.

Appointment of Independent Auditors

The Board of Directors has appointed PricewaterhouseCoopers LLP, an independent registered public accounting firm, as independent auditors to audit our books and records for our current fiscal year. A representative of PricewaterhouseCoopers LLP will be present at the Annual Meeting to make a statement, if such representative so desires, and to respond to stockholders questions. PricewaterhouseCoopers LLP has informed us that it has no direct or indirect material financial interest in us or Kayne Anderson.

MORE INFORMATION ABOUT THE MEETING

<u>Outstanding Stock</u>. At the Record Date, we had the following numbers of shares of stock issued and outstanding:

Shares of Common Stock

Shares of Preferred Stock 3.000

44,807,094

To the knowledge of our management, as of February 28, 2009: there were no entities holding beneficially more than 5% of our outstanding Common Stock; none of our directors owned 1% or more of our outstanding Common Stock; and our officers and directors owned, as a group, less than 1% of our outstanding Common Stock.

How Proxies Will Be Voted. All proxies solicited by the Board of Directors that are properly executed and received at or prior to the Annual Meeting, and that are not revoked, will be voted at the Annual Meeting. Votes will be cast in accordance with the instructions marked on the enclosed proxy card. If no instructions are specified, the persons named as proxies will cast such votes FOR the proposals. We know of no other matters to be presented at the Annual Meeting. However, if another proposal is properly presented at the Annual Meeting, the votes entitled to be cast by the persons named as proxies on the enclosed proxy card will cast such votes in their sole discretion.

<u>*How To Vote.*</u> If your shares are held in Street Name by a broker or bank, you will receive information regarding how to instruct your bank or broker to cast your votes. If you are a stockholder of record, you may authorize the persons named as proxies to cast the votes you are entitled to cast at the meeting by completing, signing, dating and returning the enclosed proxy card. Stockholders of record or their duly authorized proxies may vote in person if able to attend the Annual Meeting.

Expenses and Solicitation of Proxies. The expenses of preparing, printing and mailing the enclosed proxy card, the accompanying notice and this proxy statement, tabulation expenses and all other costs in connection with the solicitation of proxies will be borne by the Company. We may also reimburse banks, brokers and others for their reasonable expenses in forwarding proxy solicitation material to the beneficial owners of our shares. In order to obtain the necessary quorum at the meeting, additional solicitation may be made by mail, telephone, telegraph, facsimile or personal interview by the Company s representatives, Kayne Anderson, our transfer agent, or by brokers or their representatives or by a solicitation firm that may be engaged by the Company to assist in proxy solicitations. If a proxy solicitor is retained by the Company, the costs associated with all proxy solicitation are not anticipated to exceed \$4,000. The Company will not pay any of its representatives or Kayne Anderson any additional compensation for their efforts to supplement proxy solicitation.

Dissenters or Appraisal Rights. Our stockholders have no dissenters or appraisal rights.

<u>*Revoking a Proxy.*</u> At any time before it has been voted, you may revoke your proxy by: (1) sending a letter revoking your proxy to the Secretary of the Company at our offices located at 717 Texas Avenue, Suite 3100, Houston, TX 77002; (2) properly executing and sending a later-dated proxy; or (3) attending the Annual Meeting, requesting return of any previously delivered proxy, and voting in person.

<u>*Quorum and Adjournment.*</u> The presence, in person or by proxy, of holders of shares entitled to cast a majority of the votes entitled to be cast (without regard to class) constitutes a quorum for the purposes of the Annual Meeting. If a quorum is not present in person or by proxy at the Annual Meeting, the chairman of the Annual Meeting may adjourn the meeting to a date not more than 120 days after the original Record Date without notice other than announcement at the Annual Meeting.

Required Vote.

<u>Proposal One</u> The holders of our Preferred Stock, voting as a single class, are being asked to vote for Mr. Good as a Class II Director of the Company, and the holders of our Common Stock and Preferred Stock, voting together as a single class, are being asked to vote for Mr. McCarthy as a Class II Director of the Company. For the purposes of determining whether the majority of the votes entitled to be cast by the common and preferred stockholders voting together as a single class has elected a nominee, each common share and each preferred share is entitled to one vote. For purposes of the vote on the election of Messrs. Good and McCarthy as Class II Directors, abstentions, if any, will have the same effect as votes against the election of Messrs. Good and McCarthy, although they will be considered present for purposes of determining the presence of a quorum at the Annual Meeting.

Because brokers are permitted by applicable regulations to vote shares as to which instructions have not been received from the beneficial owners or the persons entitled to vote in uncontested elections of directors, it is anticipated that there will be few, if any, broker non-votes in connection with Proposal One. However, broker non-votes, if any, will have the same effect as a vote against the nominee, although they would be considered present for purposes of determining a quorum.

<u>Proposal Two</u> The approval of a proposal to authorize the Company to sell shares of its Common Stock at a net price less than the NAV per share, so long as the gross price (before underwriting fees and offering expenses) is above NAV per share, requires: (1) the affirmative vote of a majority of all common stockholders of record as of the Record Date and (2) the affirmative vote of a majority of the votes cast by the holders of Common Stock and Preferred Stock outstanding as of the Record Date, voting together as a single class. For the purpose of determining whether a majority of the common stockholders of record approved this proposal, abstentions and broker non-votes, if any, will have the effect of a vote against Proposal Two. For the purpose of determining whether a majority of votes cast approved this proposal, abstentions and broker non-votes, if any, will have the purposeal, abstentions and broker non-votes, if any, will have no effect on the outcome.

AUDIT COMMITTEE REPORT

The Audit Committee of the Board of the Company is responsible for assisting the Board in monitoring (1) the accounting and reporting policies and procedures of the Company, (2) the quality and integrity of the Company s financial statements, (3) the Company s compliance with regulatory requirements, and (4) the independence and performance of the Company s independent auditors and any internal auditors. Among other responsibilities, the Audit Committee reviews, in its oversight capacity, the Company s annual financial statements with both management and the independent auditors and the Audit Committee meets periodically with the independent auditors and any internal auditors to consider their evaluation of the Company s financial and internal controls. The Audit Committee also selects, retains, evaluates and may replace the Company s independent auditors and determines their compensation, subject to ratification of the Board, if required. The Audit Committee is currently composed of three directors. The Audit Committee operates under a written charter (the Audit Committee Charter) adopted and approved by the Board, a copy of which is available on the Company s website (www.kaynefunds.com). Each committee member is independent as defined by NYSE listing standards.

The Audit Committee, in discharging its duties, has met with and held discussions with management and the Company s independent auditors and any internal auditors. The Audit Committee has reviewed and discussed the Company s audited financial statements with management. Management has represented to the independent auditors that the Company s financial statements were prepared in accordance with generally accepted accounting principles. The Audit Committee has also discussed with the independent auditors the matters required to be discussed by Statement on Auditing Standards No. 61 (Communications with Audit Committees). The Audit Committee has received the written disclosures and the letter from the Company s independent auditors required by applicable requirements of the Public Company Accounting Oversight Board regarding the independent auditors communications with the Audit Committee concerning independence, and has discussed with the independent auditors the independent auditors the independent auditors independence. As provided in the Audit Committee Charter, it is not the Audit Committee s responsibility to determine, and the considerations and discussions referenced above do not ensure, that the Company s financial statements are complete and accurate and presented in accordance with generally accepted accounting principles.

Based on the Audit Committee s review and discussions with management and the independent auditors, the representations of management and the report of the independent auditors to the Audit Committee, the committee has recommended that the Board include the audited financial statements in the Company s Annual Report on Form N-CSR for the fiscal year ended November 30, 2008 with the SEC.

Submitted by the Audit Committee:

Steven C. Good Gerald I. Isenberg William H. Shea, Jr.

INVESTMENT ADVISER

KA Fund Advisors, LLC is our investment adviser. Its principal office is located at 717 Texas Avenue, Suite 3100, Houston, TX 77002.

ADMINISTRATOR

Ultimus Fund Solutions, LLC (the Administrator) provides certain administrative services for us, including but not limited to preparing and maintaining books, records, and tax and financial reports, and monitoring compliance with regulatory requirements. The Administrator is located at 225 Pictoria Drive, Suite 450, Cincinnati, OH 45246.

STOCKHOLDER COMMUNICATIONS

Stockholders may send communications to the Board of Directors. Communications should be addressed to the Secretary of the Company at our principal offices at 717 Texas Avenue, Suite 3100, Houston, TX 77002. The Secretary will forward any communications received directly to the Board of Directors.

STOCKHOLDER PROPOSALS

Our current Bylaws provide that in order for a stockholder to nominate a candidate for election as a director at an annual meeting of stockholders or propose business for consideration at such meeting, written notice containing the information required by the current Bylaws must be delivered to the Secretary of the Company at 717 Texas Avenue. Suite 3100, Houston, TX 77002, not later than 5:00 p.m. Central Time on the 120th day, and not earlier than the 150th day, prior to the first anniversary of the date of mailing of the notice for the preceding year s annual meeting; provided, however that in the event that the date of the annual meeting is advanced or delayed by more than 30 days from the first anniversary of the date of the preceding year s annual meeting (and in the case of the first annual meeting of stockholders), notice by the stockholder to be timely must be so delivered not earlier than the 150th day prior to the date of such annual meeting and not later than 5:00 p.m. Central Time on the later of the 120th day prior to the date of such annual meeting or the tenth day following the day on which public announcement of the date of such meeting is first made. Accordingly, a stockholder nomination or proposal intended to be considered at the 2010 Annual Meeting must be received by the Secretary of the Company on or after December 12, 2009, and prior to 5:00 p.m. Central Time on January 11, 2010. However, under the rules of the SEC, if a stockholder wishes to submit a proposal for possible inclusion in our 2009 proxy statement pursuant to Rule 14a-8(e) of the 1934 Act, we must receive it not less than 120 calendar days before the anniversary of the date our proxy statement was released to stockholders for the previous year s annual meeting. Accordingly, a stockholder s proposal under Rule 14a-8(e) must be received by us on or before January 11, 2010 in order to be included in our proxy statement and proxy card for the 2010 Annual Meeting. All nominations and proposals must be in writing.

By Order of the Board of Directors

David J. Shladovsky Secretary

April 29, 2009

APPENDIX A PROXY

KAYNE ANDERSON MLP INVESTMENT COMPANY PROXY SOLICITED BY THE BOARD OF DIRECTORS FOR THE 2009 ANNUAL MEETING OF STOCKHOLDERS JUNE 16, 2009

The undersigned stockholder of Kayne Anderson MLP Investment Company, a Maryland corporation (the Company), hereby appoints David J. Shladovsky and J.C. Frey, or either of them, as proxies for the undersigned, with full power of substitution in each of them, to attend the 2009 Annual Meeting of Stockholders of the Company (the Annual Meeting) to be held at 717 Texas Avenue, Suite 3100, Houston, TX 77002, on June 16, 2009, at 8:00 a.m. Central Time and any adjournment or postponement thereof, to cast on behalf of the undersigned all votes that the undersigned is entitled to cast at such Annual Meeting and otherwise to represent the undersigned at the Annual Meeting with all powers possessed by the undersigned if personally present at the Annual Meeting. The undersigned hereby acknowledges receipt of the Notice of the Annual Meeting and the accompanying Proxy Statement, the terms of each of which are incorporated by reference, and revokes any proxy heretofore given with respect to such Annual Meeting.

The votes entitled to be cast by the undersigned will be cast as instructed below. If this Proxy is executed but no instruction is given, the votes entitled to be cast by the undersigned will be cast for each of the proposals. Additionally, the votes entitled to be cast by the undersigned will be cast in the discretion of the Proxy holder on any other matter that may properly come before the Annual Meeting or any adjournment or postponement thereof.

YOUR VOTE IS IMPORTANT. PLEASE MARK, SIGN, DATE AND RETURN THIS PROXY PROMPTLY USING THE ENCLOSED POSTMARKED ENVELOPE. 6 PLEASE DETACH AT PERFORATION BEFORE MAILING 6 KAYNE ANDERSON MLP INVESTMENT COMPANY ANNUAL MEETING PROXY CARD

AUTHORIZED SIGNATURES THIS SECTION MUST BE COMPLETED

Please sign exactly as your name appears. If the shares are held jointly, each holder should sign. When signing as an attorney, executor, administrator, trustee, guardian, officer of a corporation or other entity or in another representative capacity, please indicate your full title under signature(s).

Signature

Date

Date

Signature(s)(if held jointly):

(continued from reverse side)

KAYNE ANDERSON MLP INVESTMENT COMPANY ANNUAL MEETING PROXY CARD THIS PROXY, WHEN PROPERLY EXECUTED, WILL BE VOTED IN THE MANNER DIRECTED BELOW

- AND, IF NO CHOICE IS INDICATED, WILL BE VOTED FOR EACH PROPOSAL.
- 1. THE ELECTION OF TWO CLASS II DIRECTORS FOR TERMS OF THREE YEARS AND UNTIL THEIR SUCCESSORS ARE ELECTED AND QUALIFIED.

o FOR THE NOMINEE LISTEDo WITHHOLD FROM THE NOMINEE LISTED BELOWBELOWNOMINEE: STEVEN C. GOOD

o FOR THE NOMINEE LISTED
o WITHHOLD FROM THE NOMINEE LISTED BELOW
BELOW
NOMINEE: KEVIN S. MCCARTHY

2. THE APPROVAL OF A PROPOSAL TO AUTHORIZE THE COMPANY TO SELL SHARES OF ITS COMMON STOCK AT A NET PRICE LESS THAN THE NET ASSET VALUE PER SHARE, SUBJECT TO THE GROSS PRICE (BEFORE UNDERWRITING FEES AND OFFERING EXPENSES) BEING ABOVE THE NET ASSET VALUE PER SHARE.

o FOR

o AGAINST

o ABSTAIN

3. TO VOTE AND OTHERWISE REPRESENT THE UNDERSIGNED ON ANY OTHER MATTER THAT MAY PROPERLY COME BEFORE THE MEETING OR ANY ADJOURNMENT OR POSTPONEMENT THEREOF IN THE DISCRETION OF THE PROXY HOLDER.

Important Notice Regarding the Availability of Proxy Materials for the Annual Meeting: The proxy statement and the Company s most recent Annual Report are available on the Internet at www.kaynefunds.com/KynSECFilings.htm