TORTOISE MLP FUND, INC. Form 497 September 23, 2015

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Base Prospectus

\$350,000,000 Tortoise MLP Fund, Inc. Common Stock Preferred Stock Debt Securities

Tortoise MLP Fund, Inc. (the "Company," "we," "us" or "our") is a non-diversified closed-end management investment company. Our investment objective is to provide our stockholders a high level of total return with an emphasis on current distributions paid to stockholders. We seek to provide our stockholders with an efficient vehicle to invest in a portfolio consisting primarily of energy infrastructure master limited partnerships ("MLPs") and their affiliates, with an emphasis on natural gas infrastructure MLPs. Similar to the tax characterization of distributions made by MLPs to their unitholders, a portion of our distributions are expected to be treated as a return of capital to stockholders. We cannot assure you that we will achieve our investment objective. Unlike most investment companies, we have not elected to be treated as a regulated investment company under the Internal Revenue Code.

Under normal circumstances, we invest at least 80% of our Total Assets (as defined on page 1) in equity securities of MLPs in the energy infrastructure sector, with at least 50% of our Total Assets in equity securities of natural gas infrastructure MLPs. For purposes of these policies, we consider investments in MLPs to include investments in affiliates of MLPs. Energy infrastructure MLPs own and operate a network of pipeline and energy-related logistical assets that transport, store, gather and process natural gas, natural gas liquids ("NGLs"), crude oil, refined petroleum products, and other resources or distribute, market, explore, develop or produce such commodities. Natural gas infrastructure MLPs are defined as companies engaged in such activities with over 50% of their revenue, cash flow or assets related to natural gas or NGL infrastructure assets. We intend to focus primarily on "midstream" energy infrastructure MLPs that engage in the business of transporting, gathering and processing and storing natural gas and NGL infrastructure assets. We may invest up to 50% of our Total Assets in restricted securities, primarily through direct investments in securities of listed companies. We will not invest in privately held companies.

We may offer, on an immediate, continuous or delayed basis, including through a rights offering to existing stockholders, up to \$350,000,000 aggregate initial offering price of our common stock (\$0.001 par value per share), preferred stock (\$0.001 par value per share) or debt securities, which we refer to in this prospectus collectively as our securities, in one or more offerings. We may offer our common stock, preferred stock or debt securities separately or in concurrent separate offerings, in amounts, at prices and on terms set forth in a prospectus supplement to this prospectus. In addition, from time to time, certain of our stockholders may offer our common stock in one or more offerings. The sale of such stock by certain of our stockholders may involve shares of common stock that were issued to the stockholders in one or more private transactions and will be registered by us for resale. The identity of any selling stockholder, the number of shares of our common stock to be offered by such selling stockholder, the price and terms upon which our shares of common stock are to be sold from time to time by such selling stockholder, and the percentage of common stock held by any selling stockholder after the offering, will be set forth in a prospectus supplement to this prospectus. We will not receive any proceeds from the sale of our common stock by any selling stockholder. You should read this prospectus and the related prospectus supplement carefully before you decide to invest in any of our securities.

We may offer our securities, or certain of our stockholders may offer our common stock, directly to one or more purchasers through agents that we or they designate from time to time, or to or through underwriters or dealers. The prospectus supplement relating to the particular offering will identify any agents or underwriters involved in the sale of our securities, and will set forth any applicable purchase price, fee, commission or discount arrangement between us or any selling stockholder and such agents or underwriters or among the underwriters or the basis upon which such amount may be calculated. For more information about the manner in which we may offer our securities, or a selling stockholder may offer our common stock, see "Plan of Distribution" and "Selling Stockholders." Our securities may not be sold through agents, underwriters or dealers without delivery of a prospectus supplement.

Our common stock is listed on the New York Stock Exchange under the trading or "ticker" symbol "NTG." As of June 30, 2015, the last reported sale price for our common stock was \$21.24.

Investing in our securities involves risks. You could lose some or all of your investment. See "Risk Factors" beginning on page 32 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 determined if this prospectus is truthful or complete. Any representation to the contrary is a criminal offense.

Prospectus dated August 21, 2015

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 that you should know before investing. You should read this prospectus and any related prospectus supplement, which contain important information, before deciding whether to invest in our securities. You should retain this prospectus and any related prospectus supplement for future reference. A statement of additional information, dated August 21, 2015, as supplemented from time to time, containing additional information, has been filed with the Securities and Exchange Commission ("SEC") and is incorporated by reference in its entirety into this prospectus. You may request a free copy of the statement of additional information, the table of contents of which is on page 72 of this prospectus, request a free copy of our annual, semi-annual and quarterly reports, request other information or make stockholder inquiries, by calling toll-free at 1-866-362-9331 or by writing to us at 11550 Ash Street, Suite 300, Leawood, Kansas 66211. Our annual, semi-annual and quarterly reports and the statement of additional information are also available on our investment adviser's website at www.tortoiseadvisors.com. Information included on such website does not form part of this prospectus. You can review and copy documents we have filed at the SEC's Public Reference Room in Washington, D.C. Call 1-202-551-5850 for information. The SEC charges a fee for copies. You can get the same information free from 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 Section, 100 F. Street, N.E., Room 1580, Washington, D.C. 20549.

Our securities do not represent a deposit or obligation of, and are not guaranteed or endorsed by, any bank or other insured depository institution and are not federally insured by the Federal Deposit Insurance Corporation, the Federal Reserve Board or any other government agency.

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You should rely only on the information contained or incorporated by reference in this prospectus and any related prospectus supplement in making your investment decisions. We have not authorized any other person to provide you with different or inconsistent information. If anyone provides you with different or inconsistent information, you should not rely on it. This prospectus and any prospectus supplement do not constitute an offer to sell or solicitation of an offer to buy any securities in any jurisdiction where the offer or sale is not permitted. The information appearing in this prospectus and in any related prospectus supplement is accurate only as of the dates on their covers. Our business, financial condition and prospects may have changed since such dates. We will advise investors of any material changes to the extent required by applicable law.

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CAUTIONARY NOTICE REGARDING FORWARD-LOOKING STATEMENTS

This prospectus, any accompanying prospectus supplement and the statement of additional information contain "forward-looking statements." Forward-looking statements can be identified by the words "may," "will," "intend," "expect," "estimate," "continue," "plan," "anticipate," "could," "should" and similar terms and the negative of such terms. Such forward-looking statements may be contained in this prospectus as well as in any accompanying prospectus supplement. By their nature, all forward-looking statements involve risks and uncertainties, and actual results could differ materially from those contemplated by the forward-looking statements. Several factors that could materially affect our actual results are the performance of the portfolio of securities we hold, the time necessary to fully invest the proceeds of this offering, the conditions in the U.S. and international financial, natural gas, petroleum and other markets, the price at which our shares will trade in the public markets and other factors discussed in our periodic filings with the Securities and Exchange Commission.

Although we believe that the expectations expressed in our forward-looking statements are reasonable, actual results could differ materially from those projected or assumed in our forward-looking statements. Our future financial condition and results of operations, as well as any forward-looking statements, are subject to change and are subject to inherent risks and uncertainties, such as those disclosed in the "Risk Factors" section of this prospectus. All forward-looking statements contained or incorporated by reference in this prospectus or any accompanying prospectus supplement are made as of the date of this prospectus or the accompanying prospectus supplement, as the case may be. Except for our ongoing obligations under the federal securities laws, we do not intend, and we undertake no obligation, to update any forward-looking statement. The forward-looking statements contained in this prospectus and any accompanying prospectus supplement are excluded from the safe harbor protection provided by Section 27A of the Securities Act of 1933, as amended (the "1933 Act").

Currently known risk factors that could cause actual results to differ materially from our expectations include, but are not limited to, the factors described in the "Risk Factors" section of this prospectus. We urge you to review carefully that section for a more detailed discussion of the risks of an investment in our securities.

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PROSPECTUS SUMMARY

The following summary contains basic information about us and our securities. It is not complete and may not contain all of the information you may want to consider before investing in our securities. You should review the more detailed information contained in this prospectus and in any related prospectus supplement and in the statement of additional information, especially the information set forth under the heading "Risk Factors" beginning on page 32 of this prospectus.

The Company

We seek to provide our stockholders with an efficient vehicle to invest in a portfolio consisting primarily of energy infrastructure MLPs and their affiliates, with an emphasis on natural gas infrastructure MLPs. MLP affiliates are issuers of MLP I-Shares and general partners of MLPs. Under normal circumstances, we invest at least 80% of our Total Assets in equity securities of MLPs in the energy infrastructure sector, with at least 50% of our Total Assets in equity securities of natural gas infrastructure MLPs. We define "Total Assets" as the value of securities, cash or other assets held, including securities or assets obtained through leverage, distributions and interest accrued but not yet received and net deferred tax assets. For purposes of these policies, we consider investments in MLPs to include investments in affiliates of MLPs. Energy infrastructure MLPs own and operate a network of pipeline and energy-related logistical assets that transport, store, gather and process natural gas, NGLs, crude oil, refined petroleum products, and other resources or distribute, market, explore, develop or produce such commodities. Natural gas infrastructure MLPs are defined as companies engaged in such activities with over 50% of their revenue, cash flow or assets related to natural gas or NGL infrastructure assets. We focus primarily on "midstream" energy infrastructure MLPs that engage in the business of transporting, gathering and processing and storing natural gas and NGL infrastructure assets.

Our investment objective is to provide our stockholders a high level of total return with an emphasis on current distributions paid to stockholders. For purposes of our investment objective, total return includes capital appreciation on our common stock, and all distributions received from us, regardless of the tax character of the distributions. Similar to the tax characterization of distributions made by MLPs to their unitholders, a portion of our distributions are expected to be treated as a return of capital to stockholders. We consider our investment objective a nonfundamental investment policy. We cannot assure you that we will achieve our investment objective.

We are a Maryland corporation registered as a non-diversified, closed-end management investment company under the Investment Company Act of 1940 (the "1940 Act"). We were organized as a corporation on April 23, 2010, pursuant to a charter (the "Charter") governed by the laws of the State of Maryland. Our fiscal year ends on November 30. We commenced operations on July 30, 2010 following our initial public offering. As of June 30, 2015, we had net assets of approximately \$1.162 billion attributable to our common stock. Our common stock is listed on the New York Stock Exchange ("NYSE") under the trading or "ticker" symbol "NTG."

As of June 30, 2015, we had outstanding \$90 million of our privately placed Mandatory Redeemable Preferred Stock ("MRP Shares") and \$348 million of our privately placed senior notes (the "Notes").

We have established an unsecured credit facility with Bank of America, N.A. which currently allows us to borrow up to \$117 million. Outstanding balances under the credit facility generally accrue interest at a variable annual rate equal to the one-month LIBOR rate plus 1.20%, with a fee of 0.15% on any unused balance of the credit facility. As of June 30, 2015, the effective rate was 1.39%. The credit facility remains in effect through June 13, 2017. We currently expect to seek to renew the credit facility at an amount sufficient to meet our operating needs. We may draw on the facility from time to time to fund investments in accordance with our investment policies and for general corporate purposes. As of June 30, 2015, we had outstanding \$78.4 million under the credit facility.

Investment Adviser

Tortoise Capital Advisors, L.L.C. (the "Adviser"), a registered investment adviser specializing in managing portfolios of securities of master limited partnerships ("MLPs") and other energy companies, serves as our investment adviser. As of June 30, 2015, our Adviser managed investments of approximately \$17.0 billion in the energy sector, including the assets of publicly traded closed-end management investment companies, open-end funds and other accounts. Our Adviser's investment committee is comprised of eight portfolio managers. See "Management of the Company."

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The principal business address of our Adviser is 11550 Ash Street, Suite 300, Leawood, Kansas 66211.

The Offering

We may offer, on an immediate, continuous or delayed basis, up to \$350,000,000 of our securities, including common stock pursuant to a rights offering, or certain of our stockholders who purchased shares from us in private placement transactions may offer our common stock, on terms to be determined at the time of the offering. Our securities will be offered at prices and on terms to be set forth in one or more prospectus supplements to this prospectus. Subject to certain conditions, we may offer our common stock at prices below our net asset value ("NAV"). We will provide information in the prospectus supplement for the expected trading market, if any, for our preferred stock or debt securities.

While the number and amount of securities we may issue pursuant to this registration statement is limited to \$350,000,000 of securities, our board of directors (the "Board of Directors" or the "Board") may, subject to compliance with the 1940 Act, without any action by the stockholders, amend our Charter from time to time to increase or decrease the aggregate number of shares of stock or the number of shares of stock of any class or series that we have authority to issue under our Charter. Under the 1940 Act, we may only issue one class of preferred stock and one class of senior securities representing indebtedness.

We may offer our securities, or certain of our stockholders may offer our common stock, directly to one or more purchasers through agents that we or they designate from time to time, or to or through underwriters or dealers. The prospectus supplement relating to the offering will identify any agents or underwriters involved in the sale of our securities, and will set forth any applicable purchase price, fee, commission or discount arrangement between us or any selling stockholder and such agents or underwriters or among underwriters or the basis upon which such amount may be calculated. See "Plan of Distribution" and "Selling Stockholders." Our securities may not be sold through agents, underwriters or dealers without delivery of a prospectus supplement describing the method and terms of the offering of our securities.

Use of Proceeds

Unless otherwise specified in a prospectus supplement, we intend to use the net proceeds of any sale of our securities primarily to invest in accordance with our investment objective and policies within approximately three months after the receipt of such proceeds. We may also use proceeds from the sale of our securities to retire all or a portion of any leverage we may have outstanding or for working capital purposes, including the payment of distributions, interest and operating expenses, although there is currently no intent to issue securities primarily for working capital purposes. We will not receive any of the proceeds from a sale of our common stock by any selling stockholder.

Principal Investment Strategies

We have adopted the following nonfundamental investment policies:

Under normal circumstances, we invest at least 80% of our Total Assets in equity securities of MLPs in the energy infrastructure sector, with at least 50% of our Total Assets in equity securities of natural gas infrastructure MLPs. For purposes of these policies, we consider investments in MLPs to include investments in affiliates of MLPs.

We may invest up to 50% of our Total Assets in restricted securities, primarily through direct investments in securities of listed companies. We will not invest in privately held companies.

We will not invest more than 10% of our Total Assets in any single issuer.

We will not engage in short sales.

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The Board of Directors may change our investment objective and other nonfundamental investment policies without stockholder approval and will provide written notice to stockholders of material changes (including notice through stockholder reports), although a change in the policy of investing at least 80% of our Total Assets in equity securities of energy infrastructure MLPs requires at least 60 days' prior written notice to stockholders. Unless otherwise stated, these investment restrictions apply at the time of purchase. Furthermore, we will not be required to reduce a position due solely to market value fluctuations.

Although inconsistent with our investment objective, under adverse market or economic conditions or pending investment of offering or leverage proceeds, we may invest 100% of our Total Assets in mutual funds, cash, cash equivalents, securities issued or guaranteed by the U.S. Government or its instrumentalities or agencies, high quality, short-term money market instruments, short-term debt securities, certificates of deposit, bankers' acceptances and other bank obligations, commercial paper or other liquid fixed income securities. The yield on these securities may be lower than the returns on the securities in which we will otherwise invest or y