ClearBridge Energy MLP Fund Inc. Form N-Q April 26, 2011

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

FORM N-Q

QUARTERLY SCHEDULE OF PORTFOLIO HOLDINGS OF REGISTERED MANAGEMENT INVESTMENT COMPANY

Investment Company Act file number

811-22405

ClearBridge Energy MLP Fund Inc. (Exact name of registrant as specified in charter)

55 Water Street, New York, NY (Address of principal executive offices)

10041 (Zip code)

Robert I. Frenkel, Esq.

Legg Mason & Co., LLC

100 First Stamford Place

Stamford, CT 06902 (Name and address of agent for service)

Registrant s telephone number, including area code:

(888)777-0102

Date of fiscal year end: November 30

Date of reporting period: February 28, 2011

ITEM 1. SCHEDULE OF INVESTMENTS

CLEARBRIDGE ENERGY MLP FUND INC.

FORM N-Q

FEBRUARY 28, 2011

CLEARBRIDGE ENERGY MLP FUND INC.

Schedule of investments (unaudited)

February 28, 2011

S	HARES/	
	UNITS	VALUE
MASTER LIMITED PARTNERSHIPS 100.0%		
Crude/Refined Products Pipelines 27.7%		
Buckeye Partners LP	911,130 \$	59,059,447
Enbridge Energy Partners LP	600,000	40,224,000
Genesis Energy LP	219,000	6,390,420
Holly Energy Partners LP	445,000	26,544,250
Magellan Midstream Partners LP	2,142,294	129,480,249
NuStar Energy LP	1,252,000	87,827,800
NuStar GP Holdings LLC	1,138,500	42,022,035
Plains All American Pipeline LP	1,594,240	104,374,893
Sunoco Logistics Partners LP	669,794	59,270,071
Total Crude/Refined Products Pipelines		555,193,165
Exploration & Production 8.7%		
Linn Energy LLC	4,475,001	173,764,289
Global Infrastructure 3.0%		
Brookfield Infrastructure Partners LP	2,613,940	59,022,765
Natural Gas Gathering/Processing 15.1%		
Chesapeake Midstream Partners LP	3,600,000	93,744,000
Copano Energy LLC	800,000	28,968,000
Crestwood Midstream Partners LP	414,997	12,491,410
DCP Midstream Partners LP	250,003	10,565,127
Exterran Partners LP	352,000	10,454,400
MarkWest Energy Partners LP	930,000	41,757,000
Regency Energy Partners LP	1,424,999	39,572,222
Targa Resources Partners LP	1,283,960	43,975,630
Western Gas Partners LP	594,000	21,526,560
Total Natural Gas Gathering/Processing		303,054,349
Natural Gas/Natural Gas Liquids Pipelines		
37.9%	200 (22	12 220 560
Boardwalk Pipeline Partners LP	398,632	13,238,569
El Paso Pipeline Partners LP	2,791,000	105,220,700
Energy Transfer Equity LP	2,405,780	96,688,298
Energy Transfer Partners LP	2,345,000	128,576,350
Enterprise Products Partners LP	4,642,400	202,408,640
ONEOK Partners LP	704,700	58,595,805
PAA Natural Gas Storage LP	1,401,542	32,447,800
TC Pipelines LP	478,000	25,936,280
Williams Partners LP	1,825,118	94,650,619
Total Natural Gas/Natural Gas Liquids Pipelines		757,763,061
Propane Distribution 4.5%	2 175 119	00 222 804
Inergy LP Shipping 3.1%	2,175,118	90,223,894
Shipping 3.1% Teekay LNG Partners LP	1,647,685	62,743,845
TOTAL INVESTMENTS BEFORE SHORT-TERM INVESTMENTS (Cost	1,047,003	04,743,043
\$1,665,363,057)		2,001,765,368
φ1,00 <i>3</i> ,303,0 <i>3</i> /)		2,001,703,308

MATURITY FACE RATE DATE AMOUNT

SHORT-TERM INVESTMENTS 0.0%

Repurchase Agreements 0.0% State Street Bank & Trust Co. repurchase agreement, dated 2/28/11; Proceeds at maturity -\$492,000; (Fully collateralized by U.S. government obligations, 3.125% due 4/30/17; Market

value - \$505,806) (Cost -

\$492,000) 0.010% 3/1/11 492,000 492,000

TOTAL INVESTMENTS 100.0% (Cost \$1,665,855,057#)

\$ 2,002,257,368

All or a portion of these securities are held as collateral pursuant to two loan agreements.

Aggregate cost for federal income tax purposes is substantially the same.

See Notes to Schedule of Investments.

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Notes to Schedule of Investments (unaudited)

1. Organization and significant accounting policies

ClearBridge Energy MLP Fund Inc. (the Fund) is a newly organized, non-diversified, closed-end management investment company under the Investment Company Act of 1940, as amended (the 1940 Act). The Board of Directors authorized 100 million shares of \$0.001 par value common stock. The Fund s investment objective is to provide a high level of total return with an emphasis on cash distributions. The Fund seeks to achieve its objective by investing primarily in master limited partnerships (MLPs) in the energy sector. There can be no assurance that the Fund will achieve its investment objective.

Under normal market conditions, the Fund will invest at least 80% of its Managed Assets in MLPs in the energy sector (the 80% policy). For purposes of the 80% policy, the Fund considers investments in MLPs to include investments that offer economic exposure to public and private MLPs in the form of equity securities of MLPs, securities holding primarily general partner or managing member interests in MLPs, securities that are derivatives of interests in MLPs, including I-Shares, and debt securities of MLPs. Entities in the energy sector are engaged in the business of exploring, developing, producing, gathering, transporting, processing, storing, refining, distributing, mining or marketing of natural gas, natural gas liquids (including propane), crude oil, refined petroleum products or coal.

The following are significant accounting policies consistently followed by the Fund and are in conformity with U.S. generally accepted accounting principles (GAAP).

(a) Investment Valuation. Equity securities for which market quotations are available are valued at the last reported sales price or official closing price on the primary market or exchange on which they trade. Debt securities are valued at the mean between the last quoted bid and asked prices provided by an independent pricing service, which are based on transactions in debt obligations, quotations from bond dealers, market transactions in comparable securities and various other relationships between securities. When reliable prices are not readily available, such as when the value of a security has been significantly affected by events after the close of the exchange or market on which the security is principally traded, but before the Fund calculates its net asset value, the Fund values these securities as determined in accordance with procedures approved by the Fund s Board of Directors. Short-term obligations with maturities of 60 days or less are valued at amortized cost, which approximates fair value.

The Fund has adopted Financial Accounting Standards Board Codification Topic 820 (ASC Topic 820). ASC Topic 820 establishes a single definition of fair value, creates a three-tier hierarchy as a framework for measuring fair value based on inputs used to value the Fund s investments, and requires additional disclosure about fair value. The hierarchy of inputs is summarized below.

- Level 1 quoted prices in active markets for identical investments
- Level 2 other significant observable inputs (including quoted prices for similar investments, interest rates, prepayment speeds, credit risk, etc.)
- Level 3 significant unobservable inputs (including the Fund s own assumptions in determining the fair value of investments)

The inputs or methodology used for valuing securities are not necessarily an indication of the risk associated with investing in those securities.

The Fund uses valuation techniques to measure fair value that are consistent with the market approach and/or income approach, depending on the type of security and the particular circumstance. The market approach uses prices and other relevant information generated by market transactions involving identical or comparable securities. The income approach uses valuation techniques to discount estimated future cash flows to present value.

The following is a summary of the inputs used in valuing the Fund s assets carried at fair value:

ASSETS

OTHER
SIGNIFICANT SIGNIFICANT
OBSERVABLE UNOBSERVABLE
QUOTED PRICES INPUTS INPUTS
DESCRIPTION (LEVEL 1) (LEVEL 2) (LEVEL 3) TOTAL

See Schedule of Investments for additional detailed categorizations.

Notes to Schedule of Investments (unaudited) (continued)

- (b) Repurchase Agreements. The Fund may enter into repurchase agreements with institutions that its investment adviser has determined are creditworthy. Each repurchase agreement is recorded at cost. Under the terms of a typical repurchase agreement, the Fund acquires a debt security subject to an obligation of the seller to repurchase, and of the Fund to resell, the security at an agreed-upon price and time, thereby determining the yield during the Fund s holding period. When entering into repurchase agreements, it is the Fund s policy that its custodian or a third party custodian, acting on the Fund s behalf, take possession of the underlying collateral securities, the market value of which, at all times, at least equals the principal amount of the repurchase transaction, including accrued interest. To the extent that any repurchase transaction maturity exceeds one business day, the value of the collateral is marked-to-market and measured against the value of the agreement in an effort to ensure the adequacy of the collateral. If the counterparty defaults, the Fund generally has the right to use the collateral to satisfy the terms of the repurchase transaction. However, if the market value of the collateral declines during the period in which the Fund seeks to assert its rights or if bankruptcy proceedings are commenced with respect to the seller of the security, realization of the collateral by the Fund may be delayed or limited.
- (c) Master Limited Partnerships. Entities commonly referred to as MLPs are generally organized under state law as limited partnerships or limited liability companies. The Fund intends to primarily invest in MLPs receiving partnership taxation treatment under the Code, and whose interests or units are traded on securities exchanges like shares of corporate stock. To be treated as a partnership for U.S. federal income tax purposes, an MLP whose units are traded on a securities exchange must receive at least 90% of its income from qualifying sources such as interest, dividends, real estate rents, gain from the sale or disposition of real property, income and gain from mineral or natural resources activities, income and gain from the transportation or storage of certain fuels, and, in certain circumstances, income and gain from commodities or futures, forwards and options with respect to commodities. Mineral or natural resources activities include exploration, development, production, processing, mining, refining, marketing and transportation (including pipelines), of oil and gas, minerals, geothermal energy, fertilizer, timber or industrial source carbon dioxide. An MLP consists of a general partner and limited partners (or in the case of MLPs organized as limited liability companies, a managing member and members). The general partner or managing member typically controls the operations and management of the MLP and has an ownership stake in the partnership. The limited partners or members, through their ownership of limited partner or member interests, provide capital to the entity, are intended to have no role in the operation and management of the entity and receive cash distributions. The MLPs themselves generally do not pay U.S. federal income taxes. Thus, unlike investors in corporate securities, direct MLP investors are generally not subject to double taxation (i.e., corporate level tax and tax on corporate dividends). Currently, most MLPs operate in the energy and/or natural resources sector.
- (d) Concentration Risk. Concentration in the energy sector may present more risks than if the Fund were broadly diversified over numerous sectors of the economy. A downturn in the energy sector of the economy could have a larger impact on the Fund than on an investment company that does not concentrate in the sector. At times, the performance of securities of companies in the sector may lag the performance of other sectors or the broader market as a whole.
- (e) Security Transactions. Security transactions are accounted for on a trade date basis.

2. Investments

At February 28, 2011, the aggregate gross unrealized appreciation and depreciation of investments for federal income tax purposes were substantially as follows:

3. Derivative Instruments and H	edging Activities
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Financial Accounting Standards Board Codification Topic 815 requires enhanced disclosure about an entity s derivative and hedging activities.

During the period ended February 28, 2011, the Fund did not invest in any derivative instruments.

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ITEM 2. CONTROLS AND PROCEDURES.

- (a) The registrant s principal executive officer and principal financial officer have concluded that the registrant s disclosure controls and procedures (as defined in Rule 30a-3(c) under the Investment Company Act of 1940, as amended (the 1940 Act)) are effective as of a date within 90 days of the filing date of this report that includes the disclosure required by this paragraph, based on their evaluation of the disclosure controls and procedures required by Rule 30a-3(b) under the 1940 Act and 15d-15(b) under the Securities Exchange Act of 1934.
- (b) There were no changes in the registrant s internal control over financial reporting (as defined in Rule 30a-3(d) under the 1940 Act) that occurred during the registrant s last fiscal quarter that have materially affected, or are likely to materially affect the registrant s internal control over financial reporting.

ITEM 3. EXHIBITS.

Certifications pursuant to Rule 30a-2(a) under the Investment Company Act of 1940, as amended, are attached hereto.

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934 and the Investment Company Act of 1940, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

ClearBridge Energy MLP Fund Inc.

By /s/ R. Jay Gerken R. Jay Gerken Chief Executive Officer

Date: April 26, 2011

Pursuant to the requirements of the Securities Exchange Act of 1934 and the Investment Company Act of 1940, this report has been signed below by the following persons on behalf of the registrant and in the capacities and on the dates indicated.

By /s/ R. Jay Gerken

R. Jay Gerken

Chief Executive Officer

Date: April 26, 2011

By /s/ Kaprel Ozsolak

Kaprel Ozsolak Chief Financial Officer

Date: April 26, 2011