

KAYNE ANDERSON MIDSTREAM/ENERGY FUND, INC.

Form N-Q

April 29, 2016

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UNITED STATES
SECURITIES AND EXCHANGE COMMISSION

Washington, DC 20549

FORM N-Q

QUARTERLY SCHEDULE OF PORTFOLIO HOLDINGS OF REGISTERED
MANAGEMENT INVESTMENT COMPANY

Investment Company Act file number 811-22467

Kayne Anderson Midstream/Energy Fund, Inc.

(Exact name of registrant as specified in charter)

811 Main Street, 14th Floor

Houston, Texas 77002

(Address of principal executive offices) (Zip code)

David Shladovsky, Esq.

KA Fund Advisors, LLC

811 Main Street, 14th Floor

Houston, Texas 77002

(Name and address of agent for service)

Registrant's telephone number, including area code: (713) 493-2020

Date of fiscal year end: November 30, 2015

Date of reporting period: February 29, 2016

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Description	No. of Shares/Units	Value
Long-Term Investments 139.3%		
Equity Investments⁽¹⁾ 122.4%		
Midstream Company⁽²⁾ 62.8%		
Capital Product Partners L.P. ⁽³⁾	334	\$ 1,119
Capital Product Partners L.P. Class B Units ⁽³⁾⁽⁴⁾⁽⁵⁾	606	3,340
Dynagas LNG Partners LP ⁽³⁾	1,296	12,044
GasLog Partners LP ⁽³⁾	624	9,567
Golar LNG Partners LP ⁽³⁾	752	10,972
Höegh LNG Partners LP ⁽³⁾	194	2,968
KNOT Offshore Partners LP ⁽³⁾	802	12,706
ONEOK, Inc. ⁽⁶⁾	916	21,980
Plains GP Holdings, L.P. ⁽³⁾⁽⁶⁾	886	6,733
Plains GP Holdings, L.P. ⁽³⁾⁽⁶⁾⁽⁷⁾	1,836	13,956
Spectra Energy Corp. ⁽⁸⁾	562	16,422
Tallgrass Energy GP, LP ⁽³⁾	52	832
Targa Resources Corp.	170	4,573
Teekay Offshore Partners L.P. ⁽³⁾	157	464
VTTI Energy Partners LP ⁽³⁾	384	7,011
The Williams Companies, Inc. ⁽⁹⁾	431	6,892
		131,579
Midstream MLP⁽²⁾⁽¹⁰⁾ 52.1%		
Arc Logistics Partners LP	476	5,877
Buckeye Partners, L.P. ⁽⁸⁾	108	6,934
Crestwood Equity Partners LP	241	2,185
DCP Midstream Partners, LP	363	7,054
Enbridge Energy Management, L.L.C. ⁽¹¹⁾⁽¹²⁾	1,668	27,842
Energy Transfer Partners, L.P.	358	9,560
EnLink Midstream Partners, LP	468	4,292
Enterprise Products Partners L.P.	311	7,265
EQT Midstream Partners, LP	21	1,504
Global Partners LP	74	968
Magellan Midstream Partners, L.P.	25	1,662
Midcoast Energy Partners, L.P.	138	585
MPLX, LP	210	5,455
ONEOK Partners, L.P. ⁽⁶⁾	272	7,994
Plains All American Pipeline, L.P. ⁽⁶⁾	232	4,970
Rose Rock Midstream, L.P.	43	431
Summit Midstream Partners, LP	71	895
Sunoco Logistics Partners L.P.	152	3,733

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Sunoco LP Unregistered ^d	88	2,447
Tallgrass Energy Partners, LP	27	949
USD Partners LP	32	225
Western Gas Partners, LP	114	4,468
Williams Partners L.P. ⁽⁹⁾	98	1,925
		109,220

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(amounts in 000 s, except number of option contracts)

(UNAUDITED)

Description	No. of Shares/Units	Value
Other Energy Company 7.5%		
Anadarko Petroleum Corporation 7.50% Tangible Equity Unit ⁽³⁾	140	\$ 4,190
Macquarie Infrastructure Company LLC ⁽⁸⁾	154	9,420
Tesoro Corporation ⁽⁸⁾	25	2,017
		15,627
Total Equity Investments (Cost \$350,391)		256,426

	Interest Rate	Maturity Date	Principal Amount	Value
Debt Instruments 16.9%				
United States 14.8%				
Upstream 14.8%				
American Eagle Energy Corporation ⁽¹⁴⁾⁽¹⁵⁾	11.000%	9/1/19	\$ 4,800	600
BlackBrush Oil & Gas, L.P.	⁽¹⁶⁾	7/30/21	2,800	1,918
California Resources Corporation ⁽⁶⁾	6.000	11/15/24	7,500	994
Canbriam Energy Inc.	9.750	11/15/19	9,390	7,676
Chief Oil & Gas LLC	⁽¹⁷⁾	8/8/21	9,609	4,900
Eclipse Resources Corporation	8.875	7/15/23	10,000	3,550
Energy & Exploration Partners, Inc. ⁽¹⁴⁾⁽¹⁸⁾	⁽¹⁹⁾	1/22/19	990	124
Goodrich Petroleum Corporation ⁽⁴⁾⁽¹⁴⁾⁽²⁰⁾	8.875	3/15/18	2,677	241
Goodrich Petroleum Corporation ⁽¹⁴⁾⁽²⁰⁾	8.875	3/15/19	1,000	6
Halcón Resources Corporation	13.000	2/15/22	6,825	1,058
Jonah Energy LLC	⁽²¹⁾	5/29/21	3,000	1,320
Jones Energy, Inc.	9.250	3/15/23	5,000	2,425
Resolute Energy Corporation	8.500	5/1/20	4,900	1,568
Triangle USA Petroleum Corporation	6.750	7/15/22	800	124
Vantage Energy, LLC	⁽²²⁾	12/31/18	8,840	4,420
Total United States (Cost \$76,687)				30,924

Canada 2.1%				
Upstream 2.1%				
Athabasca Oil Corporation (Cost \$5,197)	7.500	11/19/17	⁽²³⁾	4,404
Total Debt Investments (Cost \$81,884)				35,328

Total Long-Term Investments (Cost \$432,275) 291,754

		No. of Shares/Units	Value
Short-Term Investment	19.1%		
Money Market Fund	19.1%		
J.P. Morgan 100% U.S. Treasury Money Market Fund	Capital Shares, 0.17% ⁽⁴⁾ (Cost \$40,000)	40,000	40,000
Total Investments	158.4% (Cost \$472,275)		331,754

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Description	Strike Price	Expiration Date	No. of Contracts	Value
Liabilities				
Call Option Contracts Written⁽¹⁴⁾				
Midstream Company				
Spectra Energy Corp.	\$ 28.00	3/18/16	600	\$ (120)
Spectra Energy Corp.	30.00	3/18/16	300	(17)
Spectra Energy Corp.	31.00	3/18/16	300	(8)
				(145)
Midstream MLP				
Buckeye Partners, L.P.	60.00	3/18/16	100	(55)
Buckeye Partners, L.P.	65.00	3/18/16	100	(16)
				(71)
Other Energy Company				
Macquarie Infrastructure Company LLC	70.00	3/18/16	500	(6)
Tesoro Corporation	85.00	4/15/16	125	(41)
Tesoro Corporation	90.00	4/15/16	125	(26)
				(73)
Total Call Option Contracts Written (Premiums Received \$200)				(289)
Debt				(91,000)
Mandatory Redeemable Preferred Stock at Liquidation Value				(35,000)
Other Assets in Excess of Other Liabilities				4,051
Net Assets Applicable to Common Stockholders				\$ 209,516

(1) Unless otherwise noted, equity investments are common units/common shares.

(2) Securities are categorized as Midstream if they (i) derive at least 50% of their revenues or operating income from operating Midstream Assets or (ii) have Midstream Assets that represent the majority of their assets.

(3)

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This company is structured like an MLP, but is not treated as a publicly-traded partnership for regulated investment company (RIC) qualification purposes.

- (4) Fair valued security, restricted from public sale.
- (5) Class B Units are convertible on a one-for-one basis into common units of Capital Product Partners L.P. (CPLP) and are senior to the common units in terms of liquidation preference and priority of distributions. The Class B Units pay quarterly cash distributions and are convertible at any time at the option of the holder. The Class B Units paid a distribution of \$0.21975 per unit for the first quarter.
- (6) The Fund believes that it is an affiliate of Plains All American Pipeline, L.P. and Plains GP Holdings, L.P. (Plains GP). The Fund does not believe that it is an affiliate of ONEOK Partners, L.P., ONEOK, Inc. or California Resources Corporation.
- (7) The Fund holds an interest in Plains AAP, L.P. (PAA GP), which controls the general partner of Plains All American, L.P. The Fund s ownership of PAA GP is exchangeable into shares of Plains GP (which trades on the NYSE under the ticker PAGP) on a one-for-one basis at the Fund s option.
- (8) Security or a portion thereof is segregated as collateral on option contracts written.

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KAYNE ANDERSON MIDSTREAM/ENERGY FUND, INC.

SCHEDULE OF INVESTMENTS

FEBRUARY 29, 2016

(amounts in 000 s, except number of option contracts)

(UNAUDITED)

- (9) On September 28, 2015, Energy Transfer Equity, L.P. announced an agreement to combine with The Williams Companies, Inc. (WMB). WMB is the general partner of Williams Partners L.P.
- (10) Unless otherwise noted, securities are treated as a publicly-traded partnership for RIC qualification purposes. To qualify as a RIC for tax purposes, the Fund may directly invest up to 25% of its total assets in equity and debt securities of entities treated as publicly-traded partnerships. The Fund had 23.9% of its total assets invested in publicly-traded partnerships at February 29, 2016. It is the Fund's intention to be treated as a RIC for tax purposes.
- (11) Dividends are paid-in-kind.
- (12) Security is not treated as a publicly-traded partnership for RIC qualification purposes.
- (13) Security is comprised of a prepaid equity purchase contract and a senior amortizing note. Unless settled earlier, each prepaid equity purchase contract will settle on June 7, 2018 for between 0.7159 and 0.8591 Western Gas Equity Partners, LP (WGP) common units (subject to Anadarko Petroleum Corporation's (APC) right to deliver APC common stock in lieu of WGP common units). The Fund receives a quarterly payment of 7.50% per annum on the \$50 per unit stated amount of the security.
- (14) Security is non-income producing.
- (15) On May 8, 2015, American Eagle Corporation filed voluntary petitions in the United States Bankruptcy Court for the District of Colorado seeking relief under Chapter 11 of the Bankruptcy Code. During the second quarter of fiscal 2015, the Fund stopped accruing interest income on this security.
- (16) Floating rate second lien secured term loan. Security pays interest at a rate of LIBOR + 650 basis points with a 1.00% LIBOR floor (7.50% as of February 29, 2016).
- (17) Floating rate second lien secured term loan. Security pays interest at a rate of LIBOR + 650 basis points with a 1.00% LIBOR floor (7.50% as of February 29, 2016).

(18)

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On December 7, 2015, Energy & Exploration Partners, Inc. filed voluntary petitions in the United States Bankruptcy Court for the Northern District of Texas (Fort Worth) seeking relief under Chapter 11 of the Bankruptcy Code. During the first quarter, the Fund stopped accruing interest income on this security.

- (19) Floating rate second lien secured term loan. The interest rate on this security is LIBOR + 675 basis points with a 1.00% LIBOR floor.

- (20) On April 15, 2016, Goodrich Petroleum Corporation (Goodrich) filed voluntary petitions in the United States Bankruptcy Court for the Southern District of Texas (Houston) seeking relief under Chapter 11 of the Bankruptcy Code. During the first quarter, the Fund stopped accruing interest income related to its investment in Goodrich.

- (21) Floating rate second lien secured term loan. Security pays interest at a rate of LIBOR + 650 basis points with a 1.00% LIBOR floor (7.50% as of February 29, 2016).

- (22) Floating rate second lien secured term loan. Security pays interest at a rate of LIBOR + 750 basis points with a 1.00% LIBOR floor (8.50% as of February 29, 2016).

- (23) Principal amount is 6,850 Canadian dollars.

- (24) Rate indicated is the current yield as of February 29, 2016.

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From time to time, certain of the Fund's investments may be restricted as to resale. For instance, private investments that are not registered under the Securities Act of 1933, as amended (the Securities Act), cannot be offered for public sale in a non-exempt transaction without first being registered. In other cases, certain of the Fund's investments have restrictions such as lock-up agreements that preclude the Fund from offering these securities for public sale.

At February 29, 2016, the Fund held the following restricted investments:

Investment	Acquisition Date	Type of Restriction	Number of Units, Principal (\$) (in 000s)	Cost Basis (GAAP)	Fair Value	Fair Value Per Unit	Percent of Net Assets	Percent of Total Assets
Level 2 Investments								
Equity Investments								
Plains GP Holdings, L.P. ⁽¹⁾	(2)	(3)	1,836	\$ 5,667	\$ 13,956	\$ 7.60	6.6%	4.1%
Senior Notes and Secured Term Loans ⁽⁴⁾								
American Eagle Energy Corporation ⁽⁵⁾	8/13/14	(6)	\$ 4,800	4,759	600	n/a	0.3	0.2
Athabasca Oil Corporation	(2)	(6)	(7)	5,197	4,404	n/a	2.1	1.3
BlackBrush Oil & Gas, L.P.	7/21/14	(8)	2,800	2,783	1,918	n/a	0.9	0.6
Canbriam Energy Inc.	(2)	(8)	9,390	9,467	7,676	n/a	3.7	2.3
Chief Oil & Gas LLC	(2)	(8)	9,609	9,254	4,900	n/a	2.3	1.4
Eclipse Resources Corporation	(2)	(6)	10,000	9,664	3,550	n/a	1.7	1.0
Energy & Exploration Partners, Inc. ⁽⁵⁾	12/22/14	(8)	990	746	124	n/a	0.1	
Halcón Resources Corporation	9/10/15	(6)	6,825	6,825	1,058	n/a	0.5	0.3
Jonah Energy LLC	5/8/14	(8)	3,000	2,966	1,320	n/a	0.6	0.4
Triangle USA Petroleum Corporation	7/15/14	(6)	800	800	124	n/a	0.1	
Vantage Energy, LLC	(2)	(8)	8,840	8,801	4,420	n/a	2.1	1.3
Total				\$ 66,929	\$ 44,050		21.0%	12.9%
Level 3 Investments⁽⁹⁾								
Equity Investments								
Capital Product Partners L.P.								
Class B Units	(2)	(6)	606	3,877	3,340	5.51	1.6	1.0
Sunoco LP								
Common Units	12/3/15	(6)	88	2,437	2,447	27.90	1.2	0.7
Senior Notes								
Goodrich Petroleum Corporation ⁽⁵⁾	9/25/15	(6)	2,677	2,677	241	n/a	0.1	0.1
Total				\$ 8,991	\$ 6,028		2.9%	1.8%
Total of all restricted investments				\$ 75,920	\$ 50,078		23.9%	14.7%

(1) The Fund values its investment in Plains AAP, L.P. (PAA GP) on an as exchanged basis based on the public market value of Plains GP Holdings, L.P. (Plains GP).

(2) Security was acquired at various dates during prior fiscal years.

(3) The Fund's investment in PAA GP is exchangeable into shares of Plains GP on a one-for-one basis at the Fund's option. Upon exchange, the shares of Plains GP will be free of any restriction.

- (4) These securities have a fair market value determined by the mean of the bid and ask prices provided by an agent or a syndicate bank, a principal market maker, an independent pricing service or an independent broker. These securities have limited trading volume and are not listed on a national exchange.
- (5) Security has filed voluntary petitions in the United States Bankruptcy Court seeking relief under Chapter 11 of the Bankruptcy Code.
- (6) Unregistered or restricted security of a publicly-traded company.
- (7) Principal amount is 6,850 Canadian dollars.
- (8) Unregistered security of a private company.
- (9) Securities are valued using inputs reflecting the Fund's own assumptions.

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At February 29, 2016, the cost basis of investments for federal income tax purposes was \$486,552. At February 29, 2016, gross unrealized appreciation and depreciation of investments for federal income tax purposes were as follows:

Gross unrealized appreciation	\$ 13,881
Gross unrealized depreciation	(168,679)
Net unrealized depreciation	\$ (154,798)

The identified cost basis of federal tax purposes is estimated based on information available from the Fund's portfolio companies. In some cases, this information is very limited. Accordingly, the actual cost basis may prove higher or lower than the estimated cost basis included above.

As required by the Fair Value Measurement and Disclosures of the Financial Accounting Standards Board (FASB) Accounting Standards Codification (ASC 820), the Fund has performed an analysis of all assets and liabilities measured at fair value to determine the significance and character of all inputs to their fair value determination.

The fair value hierarchy prioritizes the inputs to valuation techniques used to measure fair value into the following three broad categories.

Level 1 Valuations based on quoted unadjusted prices for identical instruments in active markets traded on a national exchange to which the Fund has access at the date of measurement.

Level 2 Valuations based on quoted prices for similar instruments in active markets; quoted prices for identical or similar instruments in markets that are not active; and model-derived valuations in which all significant inputs and significant value drivers are observable in active markets. Level 2 inputs are those in markets for which there are few transactions, the prices are not current, little public information exists or instances where prices vary substantially over time or among brokered market makers.

Level 3 Model derived valuations in which one or more significant inputs or significant value drivers are unobservable. Unobservable inputs are those inputs that reflect the Fund's own assumptions that market participants would use to price the asset or liability based on the best available information.

The following table presents the Fund's assets and liabilities measured at fair value on a recurring basis at February 29, 2016, and the Fund presents these assets and liabilities by security type and description on its Schedule of Investments. Note that the valuation levels below are not necessarily an indication of the risk or liquidity associated with the underlying investment.

	Total	Quoted Prices in Active Markets (Level 1)	Prices with Other Observable Inputs (Level 2)	Unobservable Inputs (Level 3)
Assets at Fair Value				
Equity investments	\$ 256,426	\$ 236,683	\$ 13,956 ⁽¹⁾	\$ 5,787
Debt investments	35,328		35,087	241
Short-term investments	40,000	40,000		
Total assets at fair value	\$ 331,754	\$ 276,683	\$ 49,043	\$ 6,028
Liabilities at Fair Value				
Call option contracts written	\$ 289	\$	\$ 289	\$

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(1) The Fund's investment in Plains AAP, L.P. (PAA GP) is exchangeable into shares of Plains GP Holdings, L.P. (Plains GP) on a one-for-one basis at the Fund's option. Plains GP trades on the NYSE under the ticker PAGP . The Fund values its investment in PAA GP on an as-exchanged basis based on the public market value of Plains GP and categorizes its investment as a Level 2 security for fair value reporting purposes.

For the three months ended February 29, 2016, there were no transfers between Level 1 and Level 2.

The following table presents the Fund's assets measured at fair value on a recurring basis using significant unobservable inputs (Level 3) for the three months ended February 29, 2016.

	Equity	Debt	Total
Balance November 30, 2015	\$ 4,327	\$	\$ 4,327
Purchases	2,500		2,500
Transfers in from Level 2		857	857
Transfers out to Level 1 and 2			
Realized gains (losses)			
Unrealized gains (losses), net	(1,040)	(616)	(1,656)
Balance February 29, 2016	\$ 5,787		