Kayne Anderson
Midstream/Energy Fund

Kayne Anderson Midstream/Energy Fund Provides Unaudited Balance Sheet Information and Announces its Net Asset Value and Asset Coverage Ratios at September 30, 2015

HOUSTON, TX – October 2, 2015 – Kayne Anderson Midstream/Energy Fund, Inc. (the "Fund") (NYSE: KMF) today provided a summary unaudited statement of assets and liabilities and announced its net asset value and asset coverage ratios under the Investment Company Act of 1940 (the "1940 Act") as of September 30, 2015.

As of September 30, 2015, the Fund's net assets were $420 million and its net asset value per share was $19.38. As of September 30, 2015, the Fund's asset coverage ratio under the 1940 Act with respect to senior securities representing indebtedness was 384% and the Fund's asset coverage ratio under the 1940 Act with respect to total leverage (debt and preferred stock) was 245%.

Kayne Anderson Midstream/Energy Fund, Inc.
Statement of Assets and Liabilities
September 30, 2015
(Unaudited)

	(in millions)	Per Share
Investments	$ 670.5	$ 30.95
Cash	4.9	0.22
Deposits	0.2	0.01
Accrued income	3.4	0.16
Receivable for securities sold	30.4	1.40
Other assets	2.7	0.13
Total assets	712.1	32.87
Senior notes	185.0	8.54
Preferred stock	105.0	4.85
Total leverage	290.0	13.39
Other liabilities	2.3	0.10
Total liabilities	2.3	0.10
Net assets	$ 419.8	$ 19.38

The Fund had 21,663,136 common shares outstanding as of September 30, 2015.

As of September 30, 2015, equity and debt investments were 87% and 13%, respectively, of the Fund's long-term investments of $671 million. Long-term investments were comprised of Midstream Company (49%), MLP and MLP Affiliate (35%), Other (2%), Other Energy (1%) and Debt (13%).

The Fund's ten largest holdings by issuer at September 30, 2015 were:

		Units / Shares (in thousands)	Amounts ($ millions)	Percent of Long-Term Investments
1.	Kinder Morgan, Inc. (Midstream Company)	2,578	$71.4	10.6%
2.	Enbridge Energy Management, L.L.C. (Midstream MLP)	2,213	52.6	7.8%
3.	The Williams Companies, Inc. (Midstream Company) *	1,292	47.6	7.1%
4.	Plains GP Holdings, L.P. (Midstream Company)	2,486	43.5	6.5%
5.	Energy Transfer Partners, L.P. (Midstream MLP)	704	28.9	4.3%
6.	ONEOK, Inc. (Midstream Company)	770	24.8	3.7%
7.	ONEOK Partners, L.P. (Midstream MLP)	785	23.0	3.4%
8.	Dynagas LNG Partners LP (Midstream Company)	1,296	17.2	2.6%
9.	Enterprise Products Partners L.P. (Midstream MLP)	682	17.0	2.5%
10.	Spectra Energy Corp. (Midstream Company)	506	13.3	2.0%

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* On September 28, 2015, Energy Transfer Equity, L.P. ("ETE") announced the acquisition of The Williams Companies, Inc. ("WMB"). This transaction is anticipated to close in the first half of 2016. The announcement followed the termination of the previously announced merger agreement between WMB and Williams Partners L.P. ("WPZ"). As of September 30, 2015, the Fund owned 129 units ($2.7 million) of ETE and 151 units ($4.8 million) of WPZ.

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The Fund is a non-diversified, closed-end management investment company registered under the Investment Company Act of 1940 whose common stock is traded on the NYSE. The Fund's investment objective is to provide a high level of total return with an emphasis on making quarterly cash distributions to its stockholders by investing at least 80% of its total assets in securities of companies in the Midstream/Energy Sector, consisting of: (a) Midstream Master Limited Partnerships ("MLPs"), (b) Midstream Companies, (c) Other MLPs and (d) Other Energy Companies. The Fund anticipates that the majority of its investments will consist of investments in Midstream MLPs and Midstream Companies. See Glossary of Key Terms on page ii of the Prospectus for definitions of certain key terms.

CAUTIONARY NOTE REGARDING FORWARD-LOOKING STATEMENTS: This press release contains "forward-looking statements" as defined under the U.S. federal securities laws. Generally, the words "believe," "expect," "intend," "estimate," "anticipate," "project," "will" and similar expressions identify forward-looking statements, which generally are not historical in nature. Forward-looking statements are subject to certain risks and uncertainties that could cause actual results to differ from the Fund's historical experience and its present expectations or projections indicated in any forward-looking statements. These risks include, but are not limited to, changes in economic and political conditions; regulatory and legal changes; MLP industry risk; leverage risk; valuation risk; interest rate risk; tax risk; and other risks discussed in the Fund's filings with the SEC. You should not place undue reliance on forward-looking statements, which speak only as of the date they are made. The Fund undertakes no obligation to publicly update or revise any forward-looking statements made herein. There is no assurance that the Fund's investment objective will be attained.

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