



**PIONEER CLOSED END FUNDS
REQUIRED NOTICE TO SHAREHOLDERS
SOURCES OF DISTRIBUTION UNDER SECTION 19(a)**

FOR IMMEDIATE RELEASE

October 31, 2022

Boston, Massachusetts— The following closed-end funds reported sources of distribution for October and this fiscal year to date.

Distribution Period: October 2022

<u>Ticker</u>	<u>Taxable Funds</u>	<u>Distribution Amount Per Share</u>
HNW	Pioneer Diversified High Income Fund, Inc.	\$0.1100
PHT	Pioneer High Income Fund, Inc.	\$0.0625

<u>Ticker</u>	<u>Tax-Exempt Funds</u>	<u>Distribution Amount Per Share</u>
MAV	Pioneer Municipal High Income Advantage Fund, Inc.	\$0.0440
MHI	Pioneer Municipal High Income Fund, Inc.	\$0.0480
MIO	Pioneer Municipal High Income Opportunities Fund, Inc.	\$0.0630

The following tables set forth estimates of the character of the current distribution and the cumulative distributions paid this fiscal year to date from the following sources: Net Investment Income; Net Realized Short-Term Capital Gains; Net Realized Long-Term Capital Gains or Return of Capital. All amounts are expressed per common share.

Pioneer Diversified High Income Fund, Inc. (NYSEAMER: HNW)

	Current Distribution	Percentage Make up of Current Distribution	Total Cumulative Distributions Fiscal Year to Date	Percentage Make up of Total Cumulative Distributions Fiscal Year to Date
Net Investment Income	\$0.0922	83.8%	\$0.5676	86.0%
Net Realized Short-Term Capital Gains	\$0.0000	0.0%	\$0.0000	0.0%
Net Realized Long-Term Capital Gains	\$0.0000	0.0%	\$0.0000	0.0%
Return of Capital	\$0.0178	16.2%	\$0.0924	14.0%
Total per Common Share	\$0.1100	100.0%	\$0.6600	100.0%

Pioneer High Income Fund, Inc. (NYSE: PHT)

	Current Distribution	Percentage Make up of Current Distribution	Total Cumulative Distributions Fiscal Year to Date	Percentage Make up of Total Cumulative Distributions Fiscal Year to Date
Net Investment Income	\$0.0560	89.6%	\$0.4213	96.3%
Net Realized Short-Term Capital Gains	\$0.0000	0.0%	\$0.0000	0.0%
Net Realized Long-Term Capital Gains	\$0.0000	0.0%	\$0.0000	0.0%
Return of Capital	\$0.0065	10.4%	\$0.0162	3.7%
Total per Common Share	\$0.0625	100.0%	\$0.4375	100.0%

Pioneer Municipal High Income Advantage Fund, Inc. (NYSE: MAV)

	Current Distribution	Percentage Make up of Current Distribution	Total Cumulative Distributions Fiscal Year to Date	Percentage Make up of Total Cumulative Distributions Fiscal Year to Date
Net Investment Income	\$0.0294	66.8%	\$0.2337	80.0%
Net Realized Short-Term Capital Gains	\$0.0000	0.0%	\$0.0000	0.0%
Net Realized Long-Term Capital Gains	\$0.0000	0.0%	\$0.0000	0.0%
Return of Capital	\$0.0146	33.2%	\$0.0583	20.0%
Total per Common Share	\$0.0440	100.0%	\$0.2920	100.0%

Pioneer Municipal High Income Fund, Inc. (NYSE: MHI)

	Current Distribution	Percentage Make up of Current Distribution	Total Cumulative Distributions Fiscal Year to Date	Percentage Make up of Total Cumulative Distributions Fiscal Year to Date
Net Investment Income	\$0.0337	70.2%	\$0.2328	88.2%
Net Realized Short-Term Capital Gains	\$0.0000	0.0%	\$0.0000	0.0%
Net Realized Long-Term Capital Gains	\$0.0000	0.0%	\$0.0000	0.0%
Return of Capital	\$0.0143	29.8%	\$0.0312	11.8%
Total per Common Share	\$0.0480	100.0%	\$0.2640	100.0%

Pioneer Municipal High Income Opportunities Fund, Inc. (NYSE: MIO)

	Current Distribution	Percentage Make up of Current Distribution	Total Cumulative Distributions Fiscal Year to Date	Percentage Make up of Total Cumulative Distributions Fiscal Year to Date
Net Investment Income	\$0.0382	60.6%	\$0.2546	69.0%
Net Realized Short-Term Capital Gains	\$0.0000	0.0%	\$0.0000	0.0%
Net Realized Long-Term Capital Gains	\$0.0000	0.0%	\$0.0000	0.0%
Return of Capital	\$0.0248	39.4%	\$0.1144	31.0%
Total per Common Share	\$0.0630	100.0%	\$0.3690	100.0%

Notes

Investors should not necessarily draw any conclusions about the funds' investment performance from the amount of these distributions.

Each fund estimates that a portion of its distribution does not represent income or realized capital gains. Therefore, such portion of its distribution may be a return of capital. A return of capital may occur when some or all of the money invested in the fund is returned to the investor. A return of capital distribution does not necessarily reflect the fund's investment performance and should not be considered "yield" or "income."

The amounts and sources of distributions reported under the notice are only estimates and are not being provided for tax reporting purposes. The actual amounts and sources for tax reporting purposes will depend upon each fund's investment experience during the remainder of its respective fiscal year and may be subject to change based on tax regulations. Each fund will provide investors with a Form(s) 1099 for the calendar year that explains how to report these distributions for federal income tax purposes.

The funds are closed-end investment companies. Four of these funds trade on the New York Stock Exchange (NYSE) under the following symbols: MHI, MAV, PHT, and MIO; HNW trades on the NYSEAMER.

Keep in mind, distribution rates are not guaranteed. A fund's distribution rate may be affected by numerous factors, including changes in actual or projected investment income, the level of undistributed net investment income, if any, and other factors. Closed-end funds, unlike open-end funds, are not continuously offered. Once issued, common shares of closed-end funds are bought and sold in the open market through a stock exchange and frequently trade at prices lower than their net asset value. Net Asset Value (NAV) is total assets less total liabilities divided by the number of common shares outstanding. For performance data on Amundi US' closed-end funds, please call 800-225-6292 or visit our closed-end pricing page.

About Amundi US

Amundi US is the US business of Amundi, Europe's largest asset manager by assets under management and ranked among the ten largest globally^[1]. Boston is one of Amundi's six main global investment hubs^[2] and offers a broad range of fixed-income, equity, and multi-asset investment solutions in close partnership with wealth management firms, distribution platforms, and institutional investors across the Americas, Europe, and Asia-Pacific.

With our financial and extra-financial research capabilities and long-standing commitment to responsible investment, Amundi is a key player in the asset management landscape. Amundi clients benefit from the expertise and advice of 5,400^[3] employees in 35 countries^[4]. A subsidiary of the Cr dit Agricole group and listed on the Paris stock exchange, Amundi currently manages approximately \$2.01 trillion of assets^[4].

Amundi, a Trusted Partner, working every day in the interest of our clients and society

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¹ Source: IPE "Top 500 Asset Managers" published in June 2022, based on assets under management as of 12/31/2021

² Boston, Dublin, London, Milan, Paris, and Tokyo

³ Consolidated internal Amundi and Lyxor workforce as at 6/30/2022

⁴ Amundi data as of 6/30/22

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