



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

**FOR IMMEDIATE RELEASE**

January 31, 2023

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

Distribution Period: January 2023

<u>Ticker</u>	<u>Taxable Funds</u>	<u>Distribution Amount Per Share</u>
PHT	Pioneer High Income Fund, Inc.	\$0.0575

<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.	\$0.0525

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 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	97.4%	\$0.5851	95.9%
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	\$0.0015	2.6%	\$0.0249	4.1%
Total per Common Share	\$0.0575	100.0%	\$0.6100	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	\$0.0305	69.3%	\$0.3233	76.3%
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	\$0.0135	30.7%	\$0.1007	23.8%
Total per Common Share	\$0.0440	100.0%	\$0.4240	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	\$0.0317	66.0%	\$0.3288	80.6%
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	\$0.0163	34.0%	\$0.0792	19.4%
Total per Common Share	\$0.0480	100.0%	\$0.4080	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	\$0.0394	75.0%	\$0.3647	67.3%
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	\$0.0131	25.0%	\$0.1773	32.7%
Total per Common Share	\$0.0525	100.0%	\$0.5420	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. These funds trade on the New York Stock Exchange (NYSE) under the following symbols: MHI, MAV, PHT, and MIO.

*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<sup>[1]</sup>. Boston is one of Amundi's six main global investment hubs<sup>[2]</sup> 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<sup>[3]</sup> team members and market professionals in 36 countries<sup>[3]</sup>. A subsidiary of the Crédit Agricole group and listed on the Paris stock exchange, Amundi currently manages approximately \$1.856 trillion of assets<sup>[3]</sup>.

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

<sup>2</sup> Boston, Dublin, London, Milan, Paris, and Tokyo

<sup>3</sup> Amundi data as of 9/30/22

Shareholder Inquiries: Please contact your financial advisor or visit [www.amundi.com/us](http://www.amundi.com/us).

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