

Cash II Shares MODXX

Annual Shareholder Report - May 31, 2024

A Portfolio of Federated Hermes Money Market Obligations Trust

This annual shareholder report contains important information about the Federated Hermes Municipal Obligations Fund (the "Fund") for the period of June 1, 2023 to May 31, 2024. You can find additional information at www.FederatedHermes.com/us/FundInformation. You can also request this information by contacting us at 1-800-341-7400, Option 4, or your financial advisor.

This report describes changes to the Fund that occurred during the reporting period.

What were the Fund costs for the last year?

(based on a hypothetical \$10,000 investment)

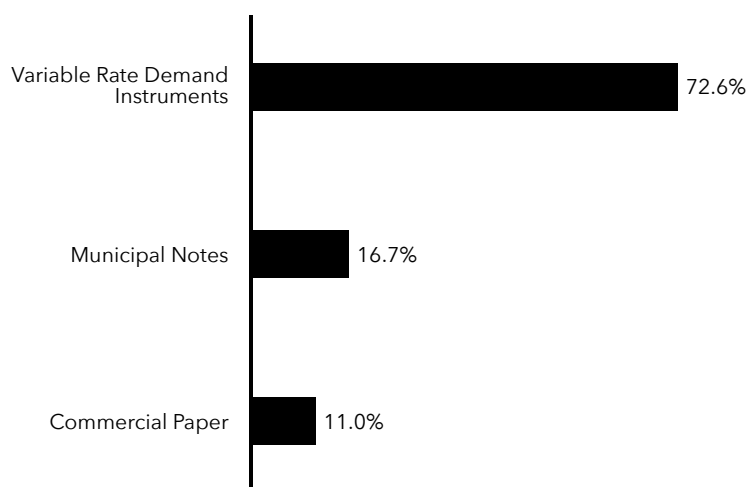
Class Name	Cost of a \$10,000 investment	Costs paid as a percentage of a \$10,000 investment
Cash II Shares	\$92	0.91%

Key Fund Statistics

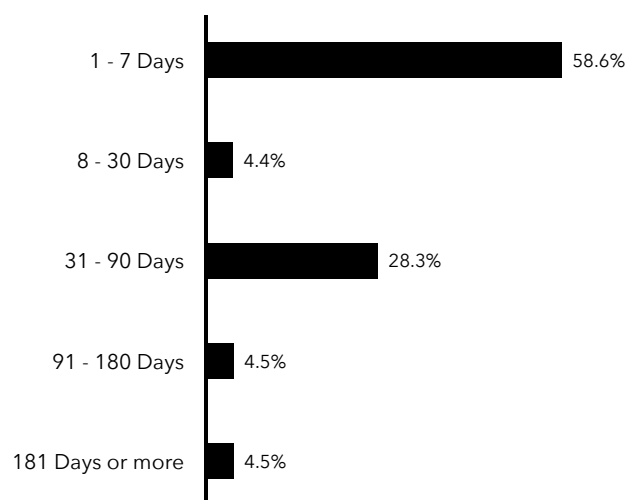
Net Assets	\$4,495,209,731
Number of Investments	319
Total Advisory Fees Paid	\$4,514,532

Fund Holdings

Top Security Types (% of Net Assets)



Effective Maturity Schedule (% of Net Assets)



Material Fund Changes

The following is a summary of material changes made to the Fund during the reporting period. For more complete and current information, you may review the Fund's disclosure documents on its webpage at www.FederatedHermes.com/us/FundInformation or upon request at 1-800-341-7400, Option 4, or by contacting your financial advisor.

Effective October 2, 2023, pursuant to amendments to Rule 2a-7 under the Investment Company Act of 1940, as amended, the Fund may no longer impose a redemption gate and the imposition of liquidity fees is no longer tied to the Fund's weekly liquid assets.

Effective April 2, 2024, the Fund may impose discretionary liquidity fees on redemptions subject to a determination by the Fund's Board of Trustees, or its delegate, that such liquidity fee is in the Fund's best interests. Any such fee may not exceed 2% of the value of the shares redeemed and would generally be imposed, if at all, during periods of extraordinary market stress.

Additional Information about the Fund

Additional information is available on the Fund's website at www.FederatedHermes.com/us/FundInformation, including its:

- prospectus
- financial information
- holdings
- proxy voting information