

Cash Series Shares | CCSXX

Annual Shareholder Report - October 31, 2024

A Portfolio of Federated Hermes Money Market Obligations Trust

This annual shareholder report contains important information about the Federated Hermes California Municipal Cash Trust (the "Fund") for the period of November 1, 2023 to October 31, 2024. You can find additional information at 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 made to or planned for the Fund since the beginning of the reporting period.

What were the Fund costs for the last year?

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

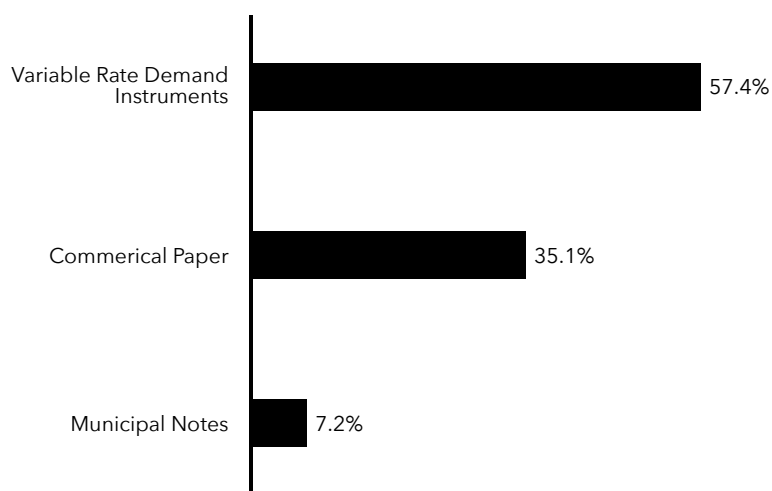
Class Name	Costs of a \$10,000 investment	Costs paid as a percentage of a \$10,000 investment
Cash Series Shares	\$104	1.03%

Key Fund Statistics

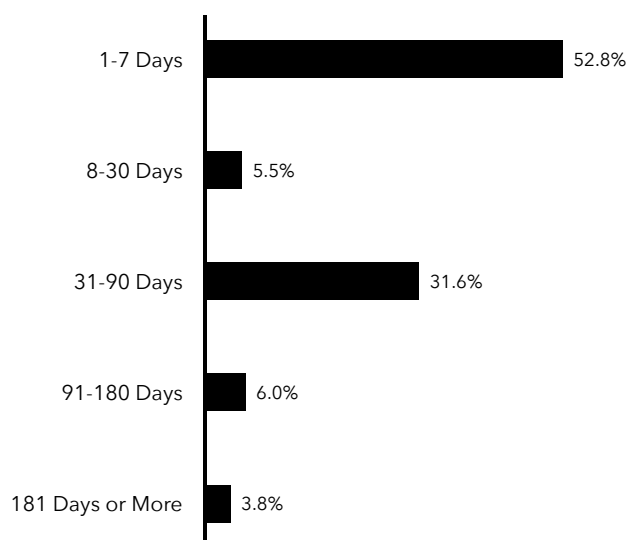
Net Assets	\$1,517,992,645
Number of Investments	145
Total Advisory Fees Paid	\$2,008,840

Fund Holdings

Top Security Types (% of Net Assets)



Effective Maturity Schedule (% of Net Assets)



Material Fund Changes

Following is a summary of material changes made to or planned for the Fund since the beginning of the reporting period. For more complete and current information, you may review the Fund's disclosure documents on its webpage at

FederatedHermes.com/us/FundInformation or upon request at 1-800-341-7400, Option 4, or by contacting your financial advisor.

Effective January 1, 2025, the Fund's annual investment advisory fee payable to its investment adviser is reduced from 0.30% to 0.25% of the Fund's average daily net assets.

Effective May 6, 2024, the Fund's investment strategy was changed to permit the Fund to regularly invest in securities subject to the federal alternative minimum tax (AMT), rather than invest in such securities on an exception basis.

Effective April 2, 2024, pursuant to amendments to Rule 2a-7 under the Investment Company Act of 1940, as amended (the "Rule 2a-7 Amendments"), 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. Also, effective April 2, 2024, the weekly liquid assets threshold increased to 50% from 30%.

Effective October 2, 2023, pursuant to the Rule 2a-7 Amendments, 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.

Additional Information about the Fund

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

- prospectus
- financial information
- holdings
- proxy voting information