

September 30, 2022

Share Class | Ticker

Automated | PTAXX

Federated Hermes Prime Cash Obligations Fund

A Portfolio of Federated Hermes Money Market Obligations Trust

Before you invest, you may want to review the Fund's Prospectus, which contains more information about the Fund and its risks. You can find the Fund's Prospectus and other information about the Fund, including the Statement of Additional Information and most recent reports to shareholders, online at [FederatedInvestors.com/FundInformation](https://www.federatedinvestors.com/FundInformation). You can also get this information at no cost by calling 1-800-341-7400, by sending an email request via Contact Us on [FederatedInvestors.com](https://www.federatedinvestors.com), or from a financial intermediary through which Shares of the Fund may be bought or sold. The Fund's Prospectus and Statement of Additional Information, both dated September 30, 2022, are incorporated by reference into this Summary Prospectus.

A money market mutual fund seeking to provide current income consistent with stability of principal and liquidity by investing primarily in a portfolio of high-quality, dollar-denominated, fixed-income securities which: (1) are issued by banks and corporations in the U.S. and other countries and the U.S. government; and (2) mature in 397 days or less.

As with all mutual funds, the Securities and Exchange Commission (SEC) has not approved or disapproved these securities or passed upon the adequacy of this Prospectus. Any representation to the contrary is a criminal offense.

The Fund is a Retail Money Market Fund and is only available for investment to accounts beneficially owned by natural persons.

Not FDIC Insured • May Lose Value • No Bank Guarantee

Fund Summary Information – Automated Shares

Federated Hermes Prime Cash Obligations Fund (the “Fund”)

RISK/RETURN SUMMARY: INVESTMENT OBJECTIVE

The Fund is a money market fund that seeks to maintain a stable net asset value (NAV) of \$1.00 per Share. The Fund’s investment objective is to provide current income consistent with stability of principal and liquidity. The investment objective may be changed by the Fund’s Board of Trustees without Shareholder approval.

RISK/RETURN SUMMARY: FEES AND EXPENSES

This table describes the fees and expenses that you may pay if you buy, hold and sell Automated Shares (AS) of the Fund. **You may pay other fees, such as brokerage commissions and other fees to financial intermediaries, which are not reflected in the tables and examples below.**

Shareholder Fees (fees paid directly from your investment)

	AS
Maximum Sales Charge (Load) Imposed on Purchases (as a percentage of offering price).....	None
Maximum Deferred Sales Charge (Load) (as a percentage of original purchase price or redemption proceeds, as applicable)	None
Maximum Sales Charge (Load) Imposed on Reinvested Dividends (and other Distributions) (as a percentage of offering price)	None
Redemption Fee (as a percentage of amount redeemed, if applicable)	None
Exchange Fee	None

Annual Fund Operating Expenses (expenses that you pay each year as a percentage of the value of your investment)

	AS
Management Fee	0.20%
Distribution (12b-1) Fee	None
Other Expenses	0.45%
Acquired Fund Fees and Expenses	0.01%
Total Annual Fund Operating Expenses.....	0.66%
Fee Waivers and/or Expense Reimbursements ¹	(0.11)%
Total Annual Fund Operating Expenses After Fee Waivers and/or Expense Reimbursements ...	0.55%

¹ The Adviser and certain of its affiliates on their own initiative have agreed to waive certain amounts of their respective fees and/or reimburse expenses. Total annual fund operating expenses (excluding interest expense, extraordinary expenses and proxy-related expenses paid by the Fund, if any) paid by the Fund’s AS class (after the voluntary waivers and/or reimbursements) will not exceed 0.55% (the “Fee Limit”) up to but not including the later of (the “Termination Date”): (a) October 1, 2023; or (b) the date of the Fund’s next effective Prospectus. While the Adviser and its affiliates currently do not anticipate terminating or increasing these arrangements prior to the Termination Date, these arrangements may only be terminated or the Fee Limit increased prior to the Termination Date with the agreement of the Fund’s Board of Trustees.

To the extent the Fund invests its assets in an affiliated fund pursuant to Rule 12d1-1 under the Investment Company Act of 1940, as amended (“1940 Act”), the fees and expenses shown in the table above and the Example that follows include fees and expenses of the underlying affiliated fund. The underlying affiliated fund may, in turn, invest all or substantially all of its assets in another affiliated fund. The Fund’s proportional share of the fees and expenses of the affiliated funds (including management fees) is reflected in the table above, if applicable, as Acquired Fund Fees and Expenses. Therefore, in order to comply with the Fee Limit and in order to avoid charging duplicative fees, as applicable, the Adviser will waive and/or reimburse the Fund’s Management Fee with respect to the amount of its net assets invested in the affiliated fund as required by Rule 12d1-1.

Example

This Example is intended to help you compare the cost of investing in the Fund with the cost of investing in other mutual funds.

The Example assumes that you invest \$10,000 for the time periods indicated and then redeem or hold all of your Shares at the end of those periods. The Example also assumes that your investment has a 5% return each year and that operating expenses (excluding any sales loads on reinvested dividends, fee waivers and/or expense reimbursements) are as shown in the table above and remain the same. The expenses used to calculate the Fund’s examples do not include fee waivers or expense reimbursements. Although your actual costs and returns may be higher or lower, based on these assumptions your costs would be:

1 Year	\$ 67
3 Years	\$211
5 Years	\$368
10 Years	\$822

RISK/RETURN SUMMARY: INVESTMENTS, RISKS AND PERFORMANCE

What are the Fund’s Main Investment Strategies?

The Fund invests primarily in a portfolio of high-quality, dollar-denominated, fixed-income securities which: (1) are issued by banks and corporations in the U.S. and other countries and the U.S. government; and (2) mature in 397 days or less. The Fund’s Adviser actively manages the Fund’s portfolio, seeking to limit the credit risk taken by the Fund and to select investments with appropriate risk-adjusted returns.

Certain of the government securities in which the Fund invests are not backed by the full faith and credit of the U.S. government, such as those issued by the Federal Home Loan Mortgage Corporation (“Freddie Mac”), the Federal National Mortgage Association (“Fannie Mae”) and the Federal Home Loan Bank System. These entities are, however, supported through federal subsidies, loans or other benefits. The Fund may also invest in government securities that are supported by the full faith and credit of the U.S. government, such as those issued by the Government National Mortgage Association (“Ginnie Mae”). The Fund may invest in government securities that are issued by entities whose activities are sponsored by the federal government, but that have no explicit

financial support. Finally, as an efficient and cost-effective means of implementing its investment strategy and/or managing cash, the Fund may also invest in affiliated money market funds, including up to 25% of its net assets in affiliated institutional prime money market funds with a “floating” net asset value.

In pursuing its investment objective and implementing its investment strategies, the Fund will comply with Rule 2a-7 under the Investment Company Act of 1940 (“Rule 2a-7”).

What are the Main Risks of Investing in the Fund?

Pursuant to Rule 2a-7 the Fund is designated as a “retail” money market fund and is permitted to use amortized cost to value its portfolio securities and to transact at a stable \$1.00 net asset value. As a retail money market fund, the Fund has adopted policies and procedures reasonably designed to limit investments in the Fund to accounts beneficially owned by natural persons. In addition, the Fund has adopted policies and procedures to impose liquidity fees on redemptions and/or temporary redemption gates in the event that the Fund’s weekly liquid assets were to fall below a designated threshold, if the Fund’s Board determines that such liquidity fees or redemption gates are in the best interest of the Fund.

All mutual funds take investment risks. Therefore, even though the Fund is a money market fund that seeks to maintain a stable NAV, it is possible to lose money by investing in the Fund. The primary factors that may negatively impact the Fund’s ability to maintain a stable NAV, delay the payment of redemptions by the Fund, or reduce the Fund’s daily dividends include:

- **Issuer Credit Risk.** It is possible that interest or principal on securities will not be paid when due. Money market funds try to minimize this risk by purchasing higher-quality securities.
- **Counterparty Credit Risk.** A party to a transaction involving the Fund may fail to meet its obligations. This could cause the Fund to lose money or to lose the benefit of the transaction or prevent the Fund from selling or buying other securities to implement its investment strategies.
- **Interest Rate Risk.** Prices of fixed-income securities generally fall when interest rates rise. Recent and potential future changes in monetary policy made by central banks and/or their governments are likely to affect the level of interest rates. Very low or negative interest rates magnify interest rate risk. During periods when interest rates are low or there are negative interest rates, the Fund’s yield (and total return) also is likely to be lower or the Fund may be unable to maintain a positive return, or yield, or a stable NAV.
- **Liquidity Risk.** Liquidity risk is the risk that the Fund will experience significant net redemptions of Fund Shares at a time when it cannot find willing buyers for its portfolio securities or can only sell its portfolio securities at a material loss.

- **Concentration Risk.** Because the Fund concentrates its investments in one industry by investing more than 25% of its total assets in the financial services industry, its performance depends in large part on the performance of that industry. As a result, the value of an investment may fluctuate more widely since it is more susceptible to market, economic, political, regulatory, and other conditions and risks affecting that industry than a fund that invests more broadly across industries and sectors.
- **Call Risk.** The Fund's performance may be adversely affected by the possibility that an issuer of a security held by the Fund may redeem the security prior to maturity at a price below or above its current market value.
- **Credit Enhancement Risk.** The securities in which the Fund invests may be subject to credit enhancement (for example, guarantees, letters of credit or bond insurance). If the credit quality of the credit enhancement provider (for example, a bank or bond insurer) is downgraded, a security credit enhanced by such credit enhancement provider also may be downgraded. Having multiple securities credit enhanced by the same enhancement provider will increase the adverse effects on the Fund that are likely to result from a downgrading of, or a default by, such an enhancement provider. Adverse developments in the banking or bond insurance industries also may negatively affect the Fund, as the Fund may invest in securities credit enhanced by banks or by bond insurers without limit.
- **Risk of Foreign Investing.** Because the Fund invests in securities issued by foreign companies, the Fund may be more affected by foreign economic and political conditions, taxation policies and accounting and auditing standards than would otherwise be the case.
- **Prepayment and Extension Risk.** The Fund may invest in asset-backed and mortgage-backed securities, which may be subject to prepayment risk. If interest rates fall, and unscheduled prepayments on such securities accelerate, the Fund will be required to reinvest the proceeds at the lower interest rates then available. Also, when interest rates fall, the price of mortgage-backed securities may not rise to as great an extent as that of other fixed-income securities. When interest rates rise, homeowners are less likely to prepay their mortgages. A decreased rate of prepayments lengthens the expected maturity of a mortgage-backed security, and the price of mortgage-backed securities may decrease more than the price of other fixed-income securities when interest rates rise.
- **Risk Associated with Investing Share Purchase Proceeds.** On days during which there are net purchases of Fund Shares, the Fund must invest the proceeds at prevailing market yields or hold cash. If the Fund holds cash, or if the yield of the securities purchased is less than that of the securities already in the portfolio, the Fund's yield will likely decrease. Conversely, net purchases on days on which short-term yields rise will likely cause the Fund's yield to increase. In the event of significant changes in short-term

yields or significant net purchases, the Fund retains the discretion to close to new investments. However, the Fund is not required to close, and no assurance can be given that this will be done in any given circumstance.

- **Risk Associated with use of Amortized Cost.** In the unlikely event that the Fund's Board of Trustees ("Board") were to determine, pursuant to Rule 2a-7, that the extent of the deviation between the Fund's amortized cost per Share and its market-based NAV per Share may result in material dilution or other unfair results to shareholders, the Board will cause the Fund to take such action as it deems appropriate to eliminate or reduce to the extent practicable such dilution or unfair results.
- **Additional Factors Affecting Yield.** There is no guarantee that the Fund will provide a certain level of income or that any such income will exceed the rate of inflation. Further, the Fund's yield will vary. Periods of very low or negative interest rates impact, in a negative way, the Fund's ability to maintain a positive return, or yield, or pay dividends to Fund shareholders.
- **Risk Related to the Economy.** The value of the Fund's portfolio may decline in tandem with a drop in the overall value of the markets in which the Fund invests and/or other markets. Economic, political and financial conditions, industry or economic trends and developments or public health risks, such as epidemics or pandemics, may, from time to time, and for varying periods of time, cause the Fund to experience volatility, illiquidity, shareholder redemptions, or other potentially adverse effects.
- **Fees & Gates Risk.** The Fund has adopted policies and procedures such that the Fund will be able to impose liquidity fees on redemptions and/or temporarily suspend redemptions for up to 10 business days in any 90-day period in the event that the Fund's weekly liquid assets were to fall below a designated threshold, subject to a determination by the Fund's Board that such a liquidity fee or redemption gate is in the Fund's best interest. If the Fund's weekly liquid assets fall below 30% of its total assets, the Fund may impose liquidity fees of up to 2% of the value of the shares redeemed and/or temporarily suspend redemptions, if the Board, including a majority of the independent Trustees, determines that imposing a liquidity fee or temporarily suspending redemptions is in the Fund's best interest. In addition, if the Fund's weekly liquid assets fall below 10% of its total assets at the end of any business day, the Fund must impose a 1% liquidity fee on shareholder redemptions unless the Board, including a majority of the independent Trustees, determines that imposing such a fee is not in the best interests of the Fund. The Fund may invest in other money market funds that are also subject to the imposition of liquidity fees and/or redemption gates. If liquidity fees and/or redemption gates are imposed by a money market fund in which the Fund invests, the Fund's liquidity may be materially impacted until such time as the fees and/or gates are lifted. As a result, although not required, in the event that liquidity fees and/or redemption gates are imposed

by a money market fund in which the Fund invests, the Fund's Board of Trustees may separately impose corresponding liquidity fees and/or redemption gates on the Fund.

- **Underlying Fund Risk.** The risk that the Fund's performance is closely related to the risks associated with the securities and other investments held by the Underlying Fund and that the ability of the Fund to achieve its investment objective will depend upon the ability of the Underlying Fund to achieve its investment objectives. The Fund bears Underlying Fund fees and expenses indirectly. However, to avoid charging duplicative fees, the Adviser will waive and/or reimburse the Fund's Management Fee with respect to the amount of its net assets invested in the affiliated fund as required by Rule 12d1-1.
- **Technology Risk.** The Adviser uses various technologies in managing the Fund, consistent with its investment objective(s) and strategy described in this Prospectus. For example, proprietary and third-party data and systems are utilized to support decision making for the Fund. Data imprecision, software or other technology malfunctions, programming inaccuracies and similar circumstances may impair the performance of these systems, which may negatively affect Fund performance.

You could lose money by investing in the Fund. Although the Fund seeks to preserve the value of your investment at \$1.00 per share, it cannot guarantee it will do so. The Fund may impose a fee upon the sale of your shares or may temporarily suspend your ability to sell shares if the Fund's liquidity falls below required minimums because of market conditions or other factors. An investment in the Fund is not insured or guaranteed by the Federal Deposit Insurance Corporation or any other government agency. The Fund's sponsor has no legal obligation to provide financial support to the Fund, and you should not expect that the sponsor will provide financial support to the Fund at any time.

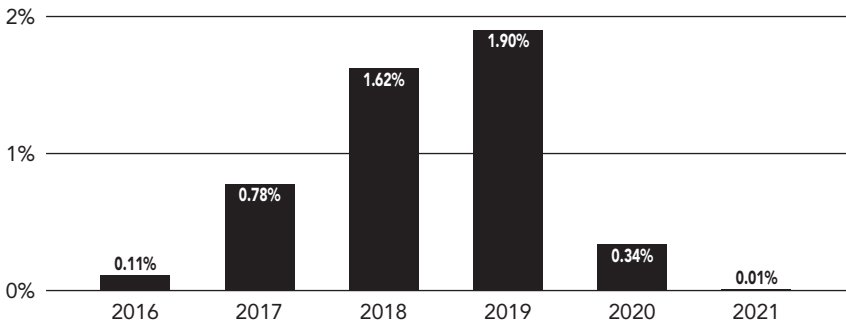
PERFORMANCE: BAR CHART AND TABLE

Risk/Return Bar Chart

The bar chart and performance table below reflect historical performance data for the Fund and are intended to help you analyze the Fund's investment risks in light of its historical returns. The bar chart shows the variability of the Fund's AS Shares total returns on a calendar year-by-year basis. The Average Annual Total Return Table shows returns *averaged* over the stated periods. *The Fund's performance will fluctuate, and past performance (before and after taxes) is not necessarily an indication of future results.* Updated performance

information for the Fund is available under the “Products” section at FederatedInvestors.com or by calling 1-800-341-7400.

■ Federated Hermes Prime Cash Obligations Fund - AS Class



The Fund’s AS class total return for the six-month period from January 1, 2022 to June 30, 2022, was 0.10%.

Within the periods shown in the bar chart, the Fund’s AS class highest quarterly return was 0.53% (quarter ended March 31, 2019). Its lowest quarterly return was 0.00% (quarter ended December 31, 2021).

Average Annual Total Return Table

The following table represents the Fund’s AS class Average Annual Total Returns for the calendar period ended December 31, 2021.

Share Class	1 Year	5 Years	Since Inception
AS:	0.01%	0.93%	0.72%
Inception Date:	06/02/2015		

The Fund’s AS Class 7-Day Net Yield as of December 31, 2021, was 0.01%. You may go to FederatedInvestors.com or call the Fund at 1-800-341-7400 for the current 7-Day Net Yield.

FUND MANAGEMENT

The Fund’s Investment Adviser is Federated Investment Management Company.

PURCHASE AND SALE OF FUND SHARES

The minimum initial investment amount for the Fund’s AS Class is generally \$25,000 and there is no minimum subsequent investment amount. The minimum initial and subsequent investment amounts for individual retirement accounts are generally \$250 and \$100, respectively. Certain types of accounts are eligible for lower minimum investments. The minimum investment amount for Systematic Investment Programs is \$50.

You may purchase, redeem or exchange Shares of the Fund on any day the New York Stock Exchange (NYSE) is open. Shares may be purchased through a financial intermediary or directly from the Fund, by wire or by check. Please note that certain purchase restrictions may apply. Redeem or exchange Shares through a financial intermediary or directly from the Fund by telephone at 1-800-341-7400 or by mail.

The Fund operates as a retail money market fund. Accordingly, only accounts beneficially owned by natural persons (“Eligible Accounts”) may be invested in the Fund. Accounts that are not Eligible Accounts are not permitted to invest in the Fund and will be redeemed in accordance with policies and procedures adopted by the Fund’s Board.

Neither the Fund nor the Adviser will be responsible for any loss of income in an investor’s account or tax liability resulting from an involuntary redemption.

TAX INFORMATION

The Fund’s distributions are taxable as ordinary income or capital gains except when your investment is through a 401(k) plan, an Individual Retirement Account or other tax-advantaged investment plan.

PAYMENTS TO BROKER-DEALERS AND OTHER FINANCIAL INTERMEDIARIES

If you purchase the Fund through a broker-dealer or other financial intermediary (such as a bank), the Fund and/or its related companies may pay the intermediary for the sale of Fund Shares and related services. These payments may create a conflict of interest by influencing the broker-dealer or other intermediary and your salesperson to recommend the Fund over another investment. Ask your salesperson or visit your financial intermediary’s website for more information.

Notes

Notes



Federated Hermes Prime Cash Obligations Fund
Federated Hermes Funds
4000 Ericsson Drive
Warrendale, PA 15086-7561

Contact us at [FederatedInvestors.com](https://www.federatedinvestors.com)
or call 1-800-341-7400.

Federated Securities Corp., Distributor

Investment Company Act File No. 811-5950

CUSIP 608919627

Q452532 (9/22)

© 2022 Federated Hermes, Inc.

