

# BNY Mellon Core Plus Fund

ANNUAL  
SHAREHOLDER  
REPORT  
APRIL 30, 2025

Class Y – DCPYX

This annual shareholder report contains important information about BNY Mellon Core Plus Fund (the “Fund”) for the period of May 1, 2024 to April 30, 2025. You can find additional information about the Fund at [bny.com/investments/literaturecenter](https://bny.com/investments/literaturecenter). You can also request this information by calling 1-800-373-9387 (inside the U.S. only) or by sending an e-mail request to [info@bny.com](mailto:info@bny.com).

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

What were the Fund’s costs for the last year?

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

| Share Class | Costs of a \$10,000 investment | Costs paid as a percentage of a \$10,000 investment |
|-------------|--------------------------------|---|
| Class Y     | \$41                           | 0.39%   |

How did the Fund perform last year?

- For the 12-month period ended April 30, 2025, the Fund’s Class Y shares returned 8.19%.
- In comparison, the Bloomberg U.S. Aggregate Bond Index (the “Index”) returned 8.02% for the same period.

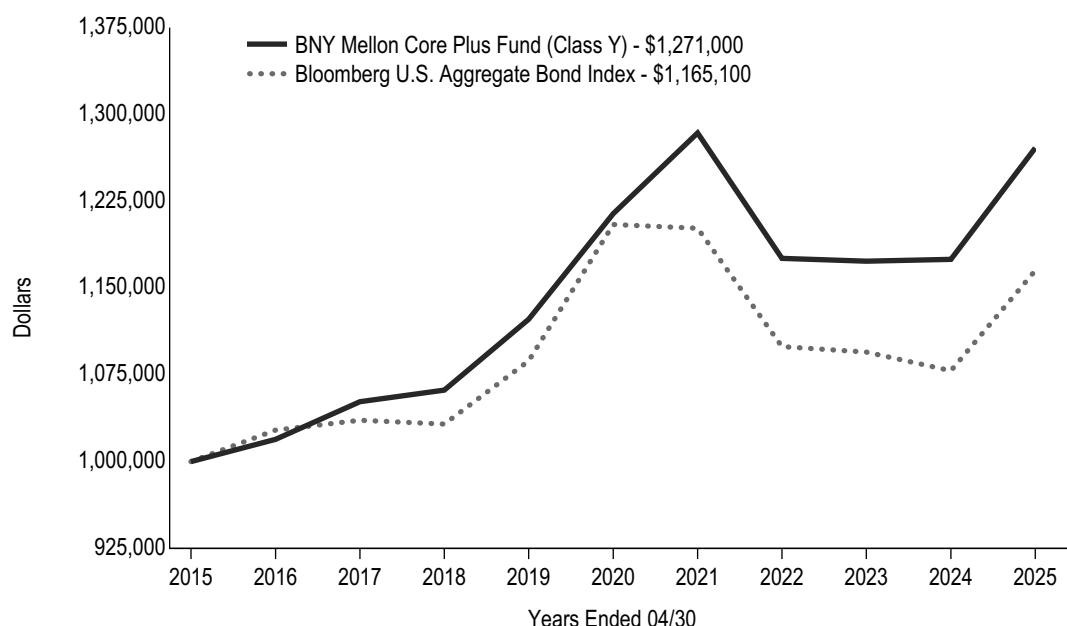
What affected the Fund’s performance?

- Global fixed income returns were mixed as inflation eased, the yield curve steepened, and rates fell; markets weakened late in the period amid rising concerns over U.S. tariffs.
- U.S. and international interest rate positioning generated gains. Security selection added value, particularly in capital goods and banking. Overweights to high yield corporates, agency mortgage-backed and esoteric asset-backed securities contributed.
- An underweight to U.S. Treasuries contributed. Overweights to consumer non-cyclicals, and capital goods added value. An underweight to long-maturity corporates helped as the credit curve steepened.
- Investment grade credit underperformed. An overweight to energy detracted amid lower commodity prices. An overweight to electric utilities also weighed on results due to elevated supply and persistent wildfire risk.
- Security selection in electric utilities detracted, as subordinated structures underperformed. Coupon positioning in agency mortgage-backed securities was negative. An overweight to 30-year UK gilts also lagged amid rising yields.

### How did the Fund perform over the past 10 years?

**The Fund's past performance is not a good predictor of the Fund's future performance.** The graph and table do not reflect the deduction of taxes that a shareholder would pay on fund distributions or redemption of fund shares.

### Cumulative Performance from May 1, 2015 through April 30, 2025 Initial Investment of \$1,000,000



The above graph compares a hypothetical \$1,000,000 investment in the Fund's Class Y shares to a hypothetical investment of \$1,000,000 made in the Bloomberg U.S. Aggregate Bond Index on 4/30/2015. The performance shown takes into account applicable fees and expenses of the Fund, including management fees and other expenses. The Fund's performance also assumes the reinvestment of dividends and capital gains. Unlike the Fund, the Index is not subject to charges, fees and other expenses. Investors cannot invest directly in any index.

### AVERAGE ANNUAL TOTAL RETURNS (AS OF 4/30/25)

| Share Class                         | 1YR   | 5YR    | 10YR  |
|-------------------------------------|-------|--------|-------|
| Class Y                             | 8.19% | 0.92%  | 2.43% |
| Bloomberg U.S. Aggregate Bond Index | 8.02% | -0.67% | 1.54% |

The performance data quoted represent past performance, which is no guarantee of future results. For more current information visit [bny.com/investments/literaturecenter](https://bny.com/investments/literaturecenter).

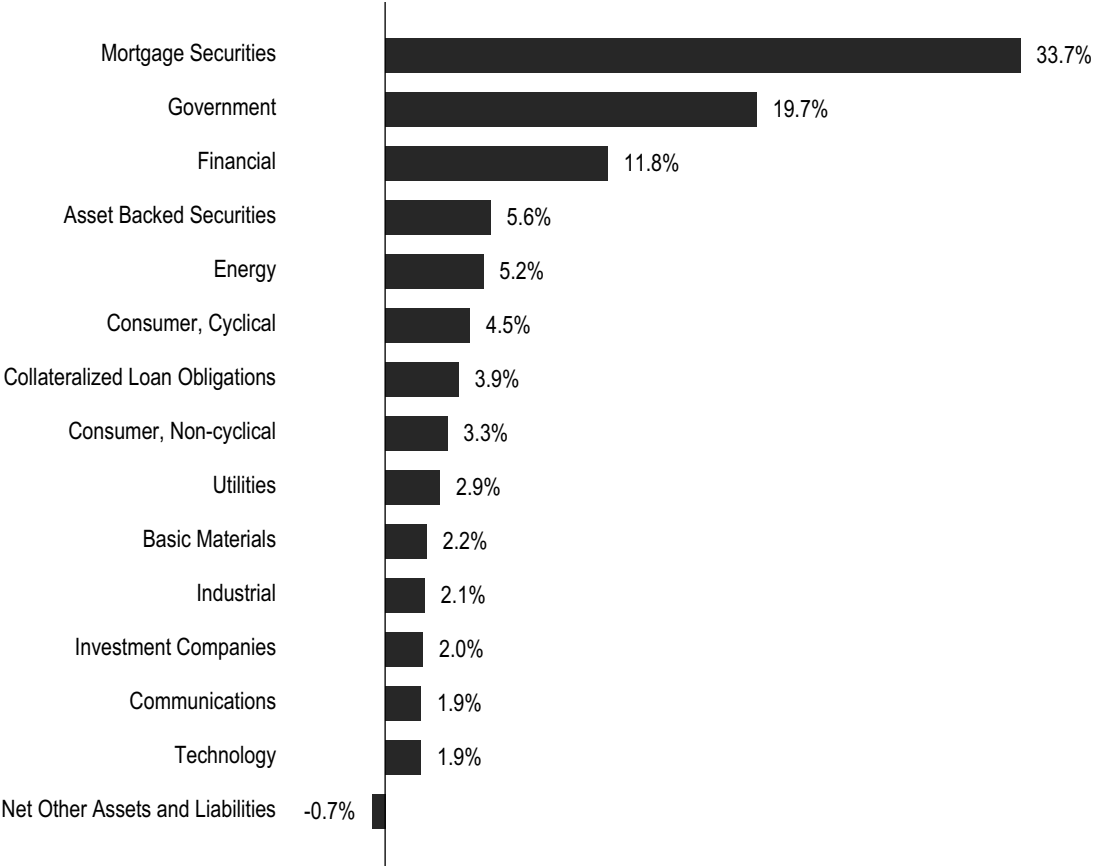
### KEY FUND STATISTICS (AS OF 4/30/25)

| Fund Size (Millions) | Number of Holdings | Total Advisory Fee Paid During Period | Annual Portfolio Turnover |
|----------------------|--------------------|---------------------------------------|---------------------------|
| \$2,421              | 617                | \$7,528,185                           | 111.76%                   |

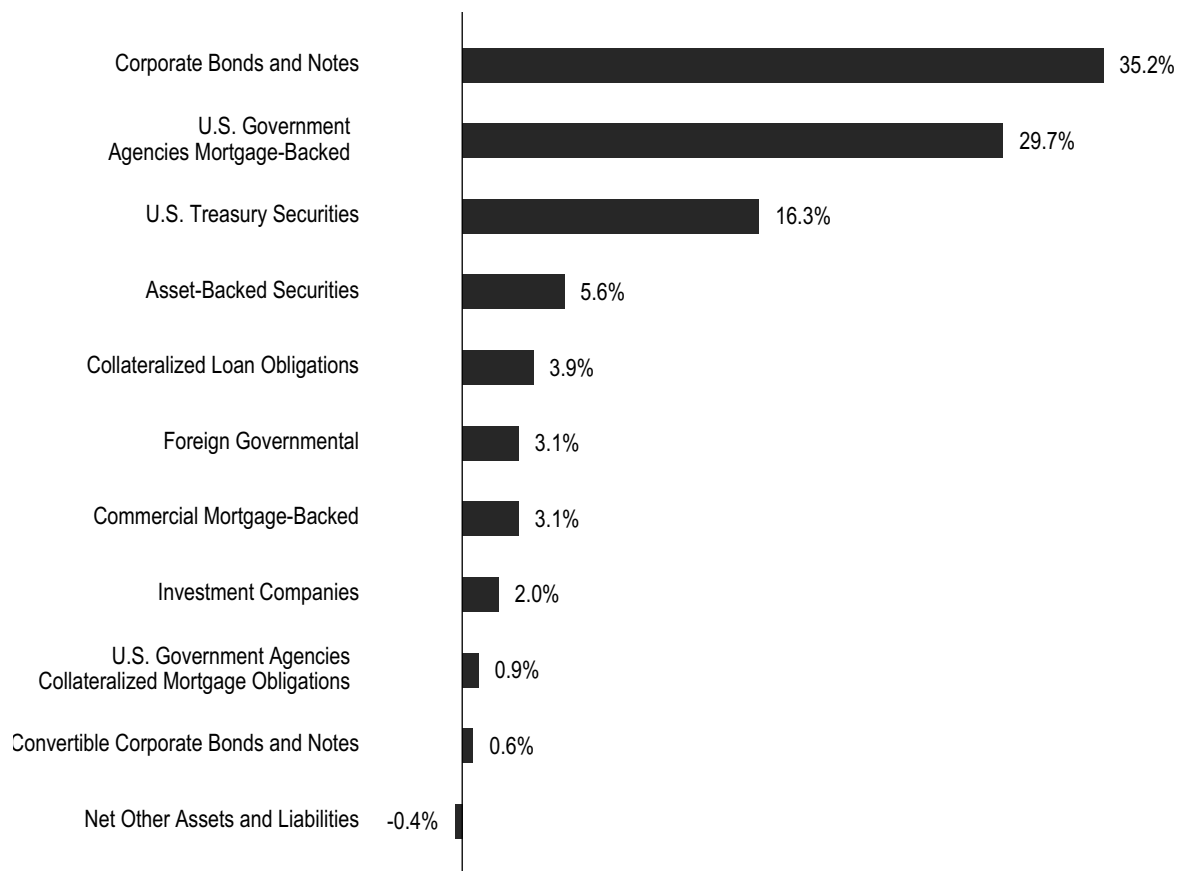
Not FDIC Insured. Not Bank-Guaranteed. May Lose Value

**PORTFOLIO HOLDINGS (AS OF 4/30/25)**

**Sector Allocation (Based on Net Assets)**



## Allocation of Holdings (Based on Net Assets)



## How has the Fund changed?

- As of the close of business on March 28, 2025, pursuant to an Agreement and Plan of Reorganization (“Reorganization”) previously approved by the Company’s Board of Directors (the “Board”), all of the assets, subject to the liabilities, of BNY Mellon U.S. Mortgage Fund, Inc. Class A, Class C, Class I, Class Y and Class Z shares (the “Acquired Fund”) were transferred to the fund in a tax free exchange at cost basis for shares of Class A, Class C, Class I and Class Y shares to holders of the corresponding class of fund shares (with holders of Class Z shares of the Acquired Fund having received Class A shares of the fund) of Common Stock of equal value. The purpose of the transaction was to combine two funds with comparable investment objectives and strategies.

**This is a summary of certain changes to the Fund since May 1, 2024. For more complete information, you may review the Fund’s current prospectus dated August 30, 2024 at [bny.com/investments/literaturecenter](https://bny.com/investments/literaturecenter) or upon request at 1-800-373-9387.**

**For additional information about the Fund, including its prospectus, financial information, portfolio holdings and proxy voting information, please visit [bny.com/investments/literaturecenter](https://bny.com/investments/literaturecenter).**