

An Advanced Perspective on Securities Lending

Insights
March 2026

Axel Hester

Director of Securities Lending

When evaluating investment managers, the securities lending program is often an afterthought. For active investment managers, the targeted outperformance of the relevant index typically far exceeds the returns expected from securities lending. However, from a risk-adjusted perspective lending can still add value that should not be discounted.

For the evaluation of index managers the securities lending decision takes on higher importance because tracking error and fund expenses are so tight that the returns from securities lending can be a differentiating factor. That said, many beneficial owners have historically viewed the decision to lend securities as a yes/no decision, and do not fully understand the spectrum of securities lending approaches and the resulting differences in risks, returns, and fees. This paper will provide some context to help beneficial owners evaluate differences between securities lending programs and identify the program best aligned with their risk tolerance and investment objectives.

Risk and return

Securities lending programs have many features that can make each one unique. However, securities lending approaches generally fall on a spectrum of risk ranging from conservative to aggressive (see [“Securities Lending in US DC Funds: What to Look For”](#) for a background discussion of risks associated with securities lending). As one would expect, the differing risk levels correspond to differences in returns, whereby more risk drives higher returns. A lesser

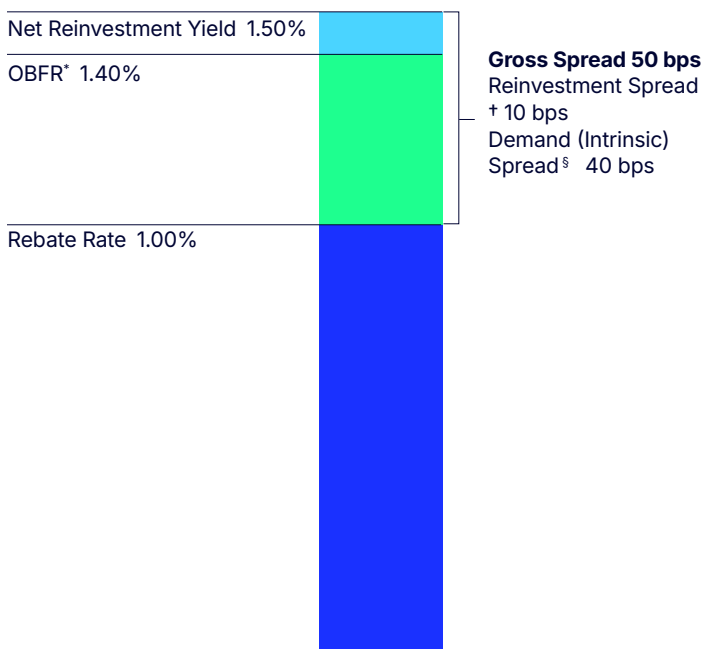
known characteristic is that fees are also frequently correlated to one’s lending approach. Frequently, higher risk and returns are correlated with higher fees. Here, we will discuss the spectrum of approaches to managing a securities lending program, the typical characteristics across the spectrum, and provide some insight regarding the relationship between risk, return, and fees.

Before we get started, it may be helpful to have an understanding of what drives risk and return in a securities lending program. For simplification, we are going to generalize return into two categories:

- 1 Intrinsic (or demand) return:** This is the return derived from the scarcity value of a security in the lending markets. In the case of loans collateralized by other securities (non-cash collateral), this is generally the borrow fee times the market value of the loaned security.¹ In the case of securities collateralized by cash (which is common in the US markets), this is customarily calculated as the basis points (“bps”) spread between the rebate rate² paid on the cash collateral and a risk-free rate (typically Overnight Bank Funding Rate, “OBFR” used as a proxy for the risk-free rate) times the value of collateral received. While there is risk associated with any securities loan (borrower default risk and operational risk), the risk directly associated with capturing the intrinsic return is low. Since intrinsic return can be high, we generally consider the intrinsic return of securities lending as an “Alpha Return” generator for a portfolio of securities.

2 **Reinvestment return:** This is the return derived from the assumption of risk in the collateral reinvestment vehicle. To the extent a securities loan is collateralized by cash, the cash is typically reinvested into a vehicle that has a profile akin to a money market fund. The reinvestment return is the basis points (bps) spread between the reinvestment yield and the risk-free rate (OBFR) times the value of collateral received. This is where the majority of risk associated with securities lending comes from, and to the extent that money markets are efficient, could be viewed as a “Beta Return” generator for the portfolio. There are arguments that money markets are not perfectly efficient, or for other reasons alpha may be generated from the reinvestment component of the securities lending equation. However, for purposes of this discussion, we will use the simplifying premise that reinvestment returns are beta returns, and the incremental return comes with an equal amount of incremental risk.

Figure 1: Components of gross spread on cash collateral loans



Source: State Street Global Advisors.

The above example is for illustrative purposes only.

* Overnight Bank Financing Rate: utilized as a benchmark for interest rates in the securities lending industry.

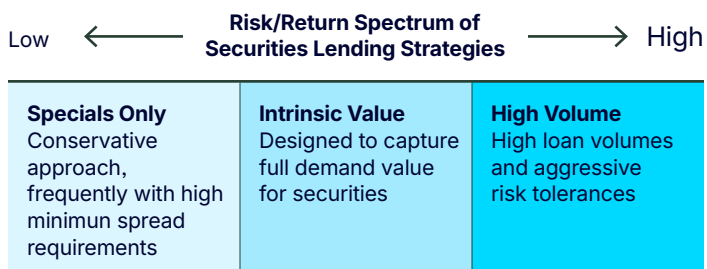
† Reinvestment Spread represents the value captured from assuming reinvestment risk.

§ Demand (or Intrinsic) Spread represents the value capture from borrower demand for the security in the market.

Spectrum of securities lending approaches

Now that we have a context of risk and return, let’s introduce the spectrum of approaches to securities lending (see Figure 2). The conservative approach “**Specials Only**” lends out a small volume of securities with large intrinsic value, and typically has the lowest returns due to the low volume of loans. This approach is almost entirely focused on intrinsic value as an alpha return generator, will often have a very low reinvestment risk profile, and may also leave a portion of the intrinsic return uncaptured due to its conservative design. This type of approach may require loans to meet large minimum spread requirements in order to be entered.

Figure 2: Spectrum of lending approaches

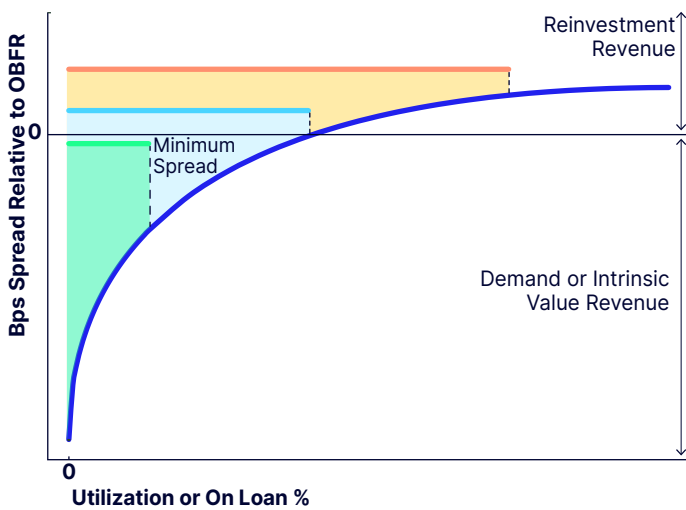


Source: State Street Global Advisors.

An “**Intrinsic Value**” approach seeks to capture 100% of the intrinsic returns of securities lending, and may assume some modest reinvestment risk in that pursuit. This approach is designed to focus on maximizing the alpha returns of a securities lending program, while only assuming the beta risk necessary to achieve that objective.

The “**High Volume**” approach seeks to maximize total returns from securities lending. Typically, High Volume programs will have high risk/return collateral reinvestment profiles that can enable high loan volumes. High Volume programs capture the full intrinsic returns from securities lending, but also tend to have a high proportion of the returns from the reinvestment (beta) side, including loans with zero or negative intrinsic value. High Volume programs typically avoid non-cash collateral loans as they do not enable reinvestment returns that drive the overall program returns.

Figure 3: conceptual securities lending revenue functions



Source: State Street Global Advisors.

The above is a conceptual representation of the securities lending revenue function for three different program types assuming only cash collateral is accepted. The revenue is represented by the area between the reinvestment line and the Loan Rebate Function. Reinvestment revenue is the area above the x-axis while the intrinsic revenue is the area below the x-axis. As displayed, the entire return for the Specials Only program is derived from intrinsic returns. The revenue for the Intrinsic Value program is derived primarily from intrinsic returns, and captures all potential intrinsic revenue. The High Volume program derives a large portion of revenue from reinvestment returns that come with incremental reinvestment risk.

* The Loan Rebate Rate Function represents the market loan rebate for each security held in a portfolio lined up from the lowest rebate (highest spread) to highest rebate (lowest spread). The function assumes all securities are having some rebate level in the market at which they would be loanable, and which by definition is always increasing as the utilization or on loan percentage of the portfolio increases along the x-axis. Therefore, by definition, the function is always upward sloping.

Each securities lending approach is actually a compilation of various design criteria for a securities lending program and exists on a spectrum as opposed

to distinct categories. For ease of comparison we generalize into the three categories outlined in Figure 2. Securities lending programs have numerous parameters that can affect their ultimate risk and return such as lending limits, approved borrowers, acceptable collateral types, margin requirements, indemnification clauses, and minimum spread criteria (see Figure 4). However, the primary driver of the risk-return profile is typically the risk associated with the cash collateral reinvestment vehicle, and the amount of a portfolio that is on loan (also called utilization) against cash collateral (see Figure 3). Note that even if a minimum spread criteria is not explicitly stated in the program parameters, it is implicit as the agent lender is not incentivized to enter loans when the revenue from the loan would not meet their costs for issuing and maintaining it. However, to assure this, or to restrict lending beyond the level of profitability to the lending agent, minimum spreads can be applied as desired by the portfolio owner. Below is a chart of typical program characteristics by approach.

Reinvestment risk

As discussed above, risk in a lending program largely comes from the reinvestment of cash collateral. While non-cash collateral loans avoid this risk entirely, cash collateral loans must bear reinvestment risk. This can be considered from both a price perspective and also a liquidity perspective, and is further magnified by the volume of cash collateral received relative to the portfolio size. For example, a Specials Only program typically has a cash collateral reinvestment vehicle with excellent price stability and liquidity (e.g., a Government Money Market Fund). Also, with only a small portion of securities on loan, the exposure to the reinvestment vehicle is small. An Intrinsic Value program utilizing a Prime Strategy reinvestment vehicle that follows Rule 2a-7³ guidelines generally has moderate price risk, and the liquidity requirements of Rule 2a-7 keep it sufficiently liquid. This enables larger volumes of loans than Specials Only programs. Hence, exposure to the reinvestment vehicle in an Intrinsic Value program is moderately increased as compared to the Specials Only program, but the exposure is still to a vehicle with only moderate price and liquidity risk. High Volume programs typically use enhanced cash strategies, which frequently utilize term repurchase agreement (repo) trades to enhance their yields.

Figure 4: program characteristics by approach

Parameter	Specials only	Intrinsic value	High volume
Reinvestment Vehicle	Government Strategy Fund, or highly liquid Prime Strategy; 30%+ weekly liquidity; typically yielding around OBFR flat	Prime Strategy Fund, perhaps with some slight modifications to Rule 2a-7 requirements; 30%+ weekly liquidity; typically yielding OBFR +5 to OBFR +20	Enhance Cash Strategy with lower liquidity and/or increased credit exposure than Rule 2a-7 requirements; 5%+ weekly liquidity; typically yielding > OBFR +20
Acceptable Collateral	Cash or Non-cash	Cash or Non-cash	Cash Only
Portfolio Lending Limits	Generally < 50% of NAV, and frequently not inhibiting due to low program utilization	Generally < 50% of NAV	Greater than 50% of NAV limit, and up to 100%
Minimum Spread	Typically 25–100 bps	If employed, generally < 25bps	Generally not employed
Indemnification	Typical borrower default indemnification	Typical borrower default indemnification	Varied
Typical Utilization*	0%–15%	0%–30%	5%–90%

Source: State Street Global Advisors.

Note: We define these categories for a simplified understanding, and use general characteristics for perspective. Not all programs will have these combination of parameters, or fit neatly into these classifications. Indicative reinvestment yields are presented for relative context. Actual reinvestment yield ranges will be highly dependent on the market interest rate environment.

* A broad range of utilization rates have been indicated because utilization rates are heavily dependent on the specific securities held in a portfolio. E.g., a portfolio of US large cap stocks would have very low utilizations, while a portfolio of US small cap stocks would be in the mid range, and a portfolio of US Treasuries could be highly utilized especially in High Volume programs.

Term repo has very good price stability, but sacrifices liquidity in order to enhance yield. When combined with relatively high utilizations, this can result in higher exposure to a partially illiquid vehicle.

It should be noted that reinvestment risks are difficult to evaluate using traditional risk evaluation methods such as Value at Risk, etc. This is because the risk is generally dormant until extremely stressed situations arise, and hence can operate for years or even decades without a risk event materializing (i.e. tail risk). When these risks do materialize however, the impact can vary significantly for securities lending programs with different approaches.

Returns

Owing to the relationship between risk and return in different approaches to securities lending, approaches with different risk profiles will also exhibit returns that vary significantly. Using an example of a diverse US Treasury fund enrolled in securities lending, we can examine how the fund’s risk profile and approach impact the resulting returns.

If that fund employs the Specials Only program, it is likely to only loan securities trading special in the market, such as a current 10 year Treasury note, which may be loaned at rebates of 100 bps under OBFR. In this scenario, we assume a utilization rate of 1% for the portfolio, which results in a small percentage of the portfolio on loan, but at a high spread. Alternatively, an Intrinsic Value program would lend the same special securities, but also lend all securities that have modest demand in the market at a rebate rate of 10 bps under OBFR. For explanatory purposes, we will assume these loans constitute 9% of the portfolio. Lastly, a High Volume program would lend all the same securities as the Intrinsic Value program, but also lend 80%, or most of the rest, of the portfolio of US Treasuries at 5 bps over OBFR. Figure 5 helps to illustrate how these different approaches impact the gross securities lending returns.

Notice that while the returns have increased under the different lending approaches, the driver of the returns is also changing. For the Specials Only and Intrinsic Value approaches, the majority of returns are alpha returns derived from the intrinsic (or demand) side

of the equation. For the High Volume program, the returns are overwhelmingly driven by beta returns from the reinvestment side of the equation. Reinvestment returns carry corresponding reinvestment risk. As we discussed, this example demonstrates that the Specials Only programs seek to minimize reinvestment risk and returns, the Intrinsic Value programs seek to maximize alpha or intrinsic returns, and the High Volume programs seek to maximize total returns while assuming the most risk.

To be clear, no particular approach to lending is right or wrong. Rather, an investor should know what type of program their funds participate in, where the returns

come from, and whether they and their stakeholders are comfortable with the associated risks.

Fees

Fees in securities lending can also be confusing. Many investors can be lulled into a perception that they are getting a better deal with a lower fee split, but this is not always the case. There are two primary fees to consider in a securities lending program: the fee split, and expenses associated with the fund used for reinvestment of cash collateral. Some programs may add operational or administrative fees as well, but that is not as common.

Figure 5: How these different approaches impact the gross securities lending returns

Hypothetical Utilization and Loan Spreads	Specials only program		Intrinsic value program		High volume program	
	Portfolio on Loan (%)	Spread to OBFR (bps)	Portfolio on Loan (%)	Spread to OBFR (bps)	Portfolio on Loan (%)	Spread to OBFR (bps)
Special Securities on Loan	1	-100	1	-100	1	-100
Moderate Demand Securities on Loan	—	—	9	-10	9	-10
General Collateral Securities on Loan	—	—	—	—	80	+5
Total Utilization and Average Loan Spread to OBFR	1	-100	10	-19	90	+2.3
Hypothetical Securities Lending Return to the Portfolio	Reinvestment Yield (bps spread to OBFR)	Return to Portfolio (bps)	Reinvestment Yield (bps spread to OBFR)	Return to Portfolio (bps)	Reinvestment Yield (bps spread to OBFR)	Return to Portfolio (bps)
Intrinsic Return	—	+1.0	—	+1.9	—	-2.1
Reinvestment Return	0	0	+14	+1.4	+22	+19.8
Total Gross Return	—	+1.0	—	+3.3	—	+17.7

Source: State Street Global Advisors. The above table represents a hypothetical portfolio of securities available for loan, and is not intended to reflect actual or historic performance of any specific portfolio. Reinvestment yields are assumed to be net of reinvestment fees. The intent of this table is solely to represent the calculation and potential relative impacts of different approaches to securities lending.

Figure 6: How the fee split works for different approaches

	Specials only program	Intrinsic value program	High volume program
Fee Split	90/10	70/30	50/50
Securities Lending Portfolio Return to Fund (bps)	0.9	2.3	8.9
Agent Lender Fee (bps to Portfolio AUM)	0.1	1.0	8.9
Agent Lender Fee (bps to Value on Loan)	10.0	9.9	9.8

Source: State Street Global Advisors. This table is intended to reflect the impact of hypothetical fee splits on returns based on different approaches to securities lending, and does not represent returns or fees to a specific portfolio or for a specific historical time frame, or represent actual fee splits offered by lending agents. For purposes of the calculations we utilize the hypothetical lending returns outlined in Figure 5. Reinvestment yields are assumed to be net of reinvestment fees, and reinvestment fees are not included in the calculation of Agent Lender Fees.

Similar to risk and return, the fees of a securities lending program fall on a spectrum, and are often correlated to the approach to securities lending employed. This is because some of the costs of running the lending program for the lending agent are driven by the volume of securities on loan. Also, fee splits are a percentage of the gross spread earned on a securities loan. This means that higher volume programs are more costly to execute overall, and conversely programs with lower utilization and higher spread loans can have a larger cost per dollar on loan to investors despite the lower fee split. Let's take the framework from the returns example in Figure 5 to demonstrate how the fee split works for different approaches.

As is evident in Figure 6, despite the Specials Only program having a better fee split of 90% to the fund and 10% to the Agent, it actually has a similar Agent Lender fee, in terms of the basis points per dollar on loan relative to the Intrinsic Value program at a 70%/30% fee split and the High Volume program at a 50%/50% fee split. While conservative lending programs typically have lower fee splits to the lending agent, and more aggressive programs typically have higher fee splits, this does not necessarily suggest one or the other is a better deal or less expensive; rather, one should consider the impact to the risk-return profile of the program after the fee impact, particularly in light of the fact that the investor typically bears the reinvestment risk entirely.

In Figure 6, the High Volume program returns 8.9 bps to the fund, but the fund is assuming 100% of the reinvestment risk with relatively high volume and more aggressive risk parameters in the reinvestment fund. On the contrary, the Specials Only program is receiving 0.9 bps return and assuming negligible reinvestment risk. It is worth noting here that the Intrinsic Value program shows a 2.3 bps return, but maximizes the return derived from intrinsic value, the alpha return generator in securities lending. Therefore, it is not uncommon for programs with fee splits more favorable to the lending agent also have the highest returns to the lending fund net of fees, but one should be aware of where the returns are coming from, intrinsic returns or reinvestment returns.

Further, a fee that receives less focus than the headline "fee split," but should not be ignored, is the cost associated with the collateral reinvestment vehicle. For a Specials Only program, this fee is frequently small relative to the revenue of the program, owing to the low utilization and high intrinsic spreads. At the other end of the spectrum, for High Volume programs, the collateral reinvestment expenses can be substantially larger, and even exceed the fees paid on the "fee split." Not only are the reinvestment expenses important to factor into your evaluation, they can distort the risk/return profile of the program. This is driven by the fact that typically 100% of the reinvestment risk is borne by the lending fund, but the incremental yield is shared with the lending agent and reinvestment manager through the fee split and investment management fees on the reinvestment vehicle. In an evaluation of fees, the investment management fees of the reinvestment vehicle should be added to the fees associated with the fee split in order to obtain a full picture of the expenses associated with securities lending. This can be tricky because they are expressed in different forms (percentage of revenue and basis points on cash balances, respectively). While it can be complicated, one approach to normalization would be to convert both to a basis points return for on loan balances.

The bottom line

Securities lending can be a valuable source of incremental revenue to a beneficial owner, and while many beneficial owners focus on the decision of whether to enroll in a lending program, fewer focus on the different approaches to lending despite the fact that the differences in the risk-return profile can be substantial. Once a decision to participate in securities lending has been made, it is important to consider the different approaches available and whether the approach employed aligns with the beneficial owner's risk tolerances.

Further, fees for securities lending are not readily comparable across different approaches. While the fee split appears easy to compare, the actual cost in relation to value on loan requires more analysis and should include consideration of the reinvestment vehicle expenses. This is particularly important because while

the beneficial owner typically bears the full risk of the reinvestment exposure, they often share the returns with the lending agent and reinvestment manager who do not bear the corresponding risk. Additionally, while borrower default indemnification covers losses attributable to a borrower default, it does not cover the risks associated with the investment profile of the collateral reinvestment fund.

We reiterate here, that there is not one right or wrong approach to securities lending, and the risk-return-fee profile that suits one beneficial owner may not be appropriate for another. In fact, perspectives on the amount of risk in the reinvestment vehicle may differ between beneficial owners. Further, recognizing the risk associated with securities lending is different than the risk inherent in the underlying portfolio being lent, and a willingness to introduce a different sort of risk and to differing orders of magnitude could vary between beneficial owners based on their specific risk tolerances.

Endnotes

- 3 Borrow fees may also be impacted by the type of non-cash collateral accepted (e.g., US treasuries, S&P 500 equities, investment grade corporate bonds), but most industry data sources simplify this concept and equate the borrow fee to the intrinsic spread. We also make this simplifying assumption for purposes of the discussion.
- 4 Rebate rate refers to a negotiated interest rate paid to the borrower on the cash collateral posted against a securities loan.
- 5 Rule 2a-7 of the U.S. Investment Company Act of 1940 refers to strategy guidelines outlined by the Securities Exchange Commission in Rule 2a-7 of the 1940 Act specifying minimum requirements for credit quality, diversification, liquidity, and duration for money market funds.

About State Street Investment Management

At State Street Investment Management, we have been helping create better outcomes for institutions, financial intermediaries, and investors for nearly half a century. Starting with our early innovations in indexing and ETFs, our rigorous approach continues to be driven by market-tested expertise and a relentless commitment to those we serve. With over \$5 trillion in assets managed*, clients in over 60 countries, and a global network of strategic partners, we use our scale to deliver a comprehensive and cost-effective suite of investment solutions that help investors get wherever they want to go.

* This figure is presented as of December 31, 2025 and includes ETF AUM of \$1,950.80 billion USD of which approximately \$173.02 billion USD in gold assets with respect to SPDR products for which State Street Global Advisors Funds Distributors, LLC (SSGA FD) acts solely as the marketing agent. SSGA FD and State Street Investment Management are affiliated. Please note all AUM is unaudited.

statestreet.com/investment-management

State Street Global Advisors (SSGA) is now State Street Investment Management. Please [click here](#) for more information.

State Street Global Advisors Worldwide Entities

Glossary

Alpha return A return generated from an investment without an equal risk exposure. For purposes of this discussion, Alpha returns are presumed to be positive, e.g. returns exceed the related incremental risk.

Beta return A return generated from an investment with an equal risk exposure. This presumes markets have effectively priced risk, and therefore, each incremental return comes with a corresponding amount of risk.

Important Information

The information provided does not constitute investment advice and it should not be relied on as such. It should not be considered a solicitation to buy or an offer to sell a security. It does not take into account any investor's particular investment objectives, strategies, tax status or investment horizon. You should consult your tax and financial advisor.

All information has been obtained from sources believed to be reliable, but its accuracy is not guaranteed. There is no representation or warranty as to the current accuracy, reliability or completeness of, nor liability for, decisions based on such information.

The views expressed in this material are the views of the Securities Lending Group as of February 25, 2025, are subject to change based on market and other conditions. This document contains certain statements that may be deemed forward-looking statements. There is no representation nor warranty that such statements are guarantees of any future performance. Actual results or developments may differ materially from the views expressed.

Investing involves risk including the risk of loss of principal.

The information contained in this communication is not a research recommendation or "investment research" and is classified as a "Marketing Communication" in accordance with the Markets in Financial Instruments Directive (2014/65/EU) or applicable Swiss regulation. This means that this marketing communication (a) has not been prepared in accordance with legal requirements designed to promote the independence of investment research (b) is not subject to any prohibition on dealing ahead of the dissemination of investment research.

This communication is directed at professional clients (this includes eligible counterparties as defined by the "appropriate EU regulator") who are deemed both knowledgeable and experienced in matters relating to investments. The products and services to which this communication relates are only available to such persons and persons of any other description (including retail clients) should not rely on this communication.

Equity securities may fluctuate in value and can decline significantly in response to the activities of individual companies and general market and economic conditions.

The trademarks and service marks referenced herein are the property of their respective owners. Third party data providers make no warranties or representations of any kind relating to the accuracy, completeness or timeliness of the data and have no liability for damages of any kind relating to the use of such data.

Securities lending programs and the subsequent reinvestment of the posted collateral are subject to a number of risks, including the risk that the value of the investments held in the collateral may decline in value and may at any point be worth less than the original cost of that investment.

The whole or any part of this work may not be reproduced, copied or transmitted or any of its contents disclosed to third parties without State Street Global Advisors' express written consent.

© 2026 State Street Corporation. All Rights Reserved.
ID4042103-5474698.5.1.GBL.INST 0326 Exp. Date: 31/03/2027