

Summary Prospectus

April 30, 2025

GOLDMAN SACHS GLOBAL INFRASTRUCTURE FUND

Class A: GGIAX Class C: GGICX Institutional: GGIDX Investor: GGINX Class R6: GGIJX

Before you invest, you may want to review the Goldman Sachs Global Infrastructure Fund (the “Fund”) Prospectus, which contains more information about the Fund and its risks. You can find the Fund’s Prospectus, reports to shareholders and other information about the Fund online at dfinview.com/GoldmanSachs. You can also get this information at no cost by calling 800-621-2550 for Institutional and Class R6 shareholders, 800-526-7384 for all other shareholders or by sending an e-mail request to gs-funds-document-requests@gs.com. The Fund’s Prospectus and Statement of Additional Information (“SAI”), both dated April 30, 2025, are incorporated by reference into this Summary Prospectus.

INVESTMENT OBJECTIVE

The Goldman Sachs Global Infrastructure Fund (the “Fund”) seeks total return comprised of long-term growth of capital and income.

FEES AND EXPENSES OF THE FUND

This table describes the fees and expenses that you may pay if you buy, hold and sell shares of the Fund. **You may pay other fees, such as brokerage commissions and other fees to financial intermediaries, which are not reflected in the table and Example below.** You may

qualify for sales charge discounts on purchases of Class A Shares if you invest at least \$50,000 in Goldman Sachs Funds. More information about these and other discounts is available from your financial professional and in “Shareholder Guide—Common Questions Applicable to the Purchase of Class A Shares” beginning on page 37 and in Appendix C—Additional Information About Sales Charge Variations, Waivers and Discounts on page 77 of the Prospectus and “Other Information Regarding Maximum Sales Charge, Purchases, Redemptions, Exchanges and Dividends” beginning on page B-175 of the Fund’s Statement of Additional Information (“SAI”).

Shareholder Fees

(fees paid directly from your investment)

	Class A	Class C	Institutional	Investor	Class R6
Maximum Sales Charge (Load) Imposed on Purchases (as a percentage of offering price)	5.50%	None	None	None	None
Maximum Deferred Sales Charge (Load) (as a percentage of the lower of original purchase price or sale proceeds) ¹	None	1.00%	None	None	None

Annual Fund Operating Expenses

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

	Class A	Class C	Institutional	Investor	Class R6
Management Fees	0.90%	0.90%	0.90%	0.90%	0.90%
Distribution and/or Service (12b-1) Fees	0.25%	0.75%	None	None	None
Other Expenses	0.44%	0.69%	0.33%	0.44%	0.32%
Service Fees	None	0.25%	None	None	None
All Other Expenses	0.44%	0.44%	0.33%	0.44%	0.32%
Total Annual Fund Operating Expenses	1.59%	2.34%	1.23%	1.34%	1.22%
Fee Waiver and Expense Limitation ²	(0.37)%	(0.37)%	(0.26)%	(0.37)%	(0.26)%
Total Annual Fund Operating Expenses After Fee Waiver and Expense Limitation	1.22%	1.97%	0.97%	0.97%	0.96%

¹ A contingent deferred sales charge (“CDSC”) of 1% is imposed on Class C Shares redeemed within 12 months of purchase.

² The Investment Adviser has agreed to reduce or limit “Other Expenses” (excluding acquired fund fees and expenses, transfer agency fees and expenses, service fees, taxes, interest, brokerage fees, expenses of shareholder meetings, litigation and indemnification, and extraordinary expenses) to 0.034% of the Fund’s average daily net assets. Additionally, Goldman Sachs & Co. LLC (“Goldman Sachs”), the Fund’s transfer agent, has agreed to waive a portion of its transfer agency fee (a component of “Other Expenses”) equal to 0.11% as an annual percentage rate of the average daily net assets attributable to Class A, Class C, and Investor Shares of the Fund. These arrangements will remain in effect through at least April 30, 2026, and prior to such date, the Investment Adviser and Goldman Sachs may not terminate these arrangements without the approval of the Board of Trustees.

EXPENSE 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 in Class A, Class C, Institutional, Investor and/or Class R6 Shares of the Fund for the time periods indicated and then redeem all of your Class A, Class C, Institutional, Investor and/or Class R6 Shares at the end of those periods. The Example also assumes that your investment has a 5%

return each year and that the Fund's operating expenses remain the same (except that the Example incorporates any applicable fee waiver and/or expense limitation arrangements for only the first year). Although your actual costs may be higher or lower, based on these assumptions your costs would be:

	1 Year	3 Years	5 Years	10 Years
Class A Shares	\$667	\$990	\$1,335	\$2,306
Class C Shares	\$300	\$695	\$1,217	\$2,648
Institutional Shares	\$99	\$365	\$651	\$1,466
Investor Shares	\$99	\$388	\$699	\$1,580
Class R6 Shares	\$98	\$361	\$645	\$1,454
Class C Shares – Assuming no redemption	\$200	\$695	\$1,217	\$2,648

PORTFOLIO TURNOVER

The Fund pays transaction costs when it buys and sells securities or instruments (*i.e.*, “turns over” its portfolio). A high rate of portfolio turnover may result in increased transaction costs, including brokerage commissions, which must be borne by the Fund and its shareholders, and is also likely to result in higher short-term capital gains for taxable shareholders. These costs are not reflected in the annual fund operating expenses or in the expense example above, but are reflected in the Fund's performance. The Fund's portfolio turnover rate for the fiscal year ended December 31, 2024 was 32% of the average value of its portfolio.

PRINCIPAL STRATEGY

The Fund invests, under normal circumstances, at least 80% of its net assets plus any borrowings for investment purposes (measured at time of purchase) (“Net Assets”) in a portfolio of investments in issuers that are engaged in or related to the infrastructure group of industries (“infrastructure companies”). The Fund will invest primarily in the common stock of infrastructure companies.

An issuer is engaged in or related to the infrastructure group of industries if it is involved in the ownership, development, construction, renovation, financing, management, sale or operation of infrastructure assets, or that provide the services and raw materials necessary for the construction and maintenance of infrastructure assets. Infrastructure assets include, but are not limited to, utilities, energy, transportation, real estate, media, telecommunications and capital goods.

The Fund will invest in the securities of infrastructure companies that are economically tied to at least three countries, including the United States. Although the Fund will invest, under normal circumstances, primarily in the securities of infrastructure companies that are economically tied to developed countries (namely developed countries in North America and Europe), the Fund may also invest in the securities of infrastructure companies that are economically tied to countries with emerging markets or economies (“emerging countries”).

The Fund may invest without restriction as to issuer capitalization (including small- and mid-capitalization companies). A portion of the Fund's securities are denominated in foreign currencies and held outside the United States.

The Fund may invest in real estate investment trusts (“REITs”). The Fund may also invest up to 20% of its total assets (measured at time of purchase) in master limited partnerships (“MLPs”) that are taxed as partnerships and up to 20% of its Net Assets (measured at time of purchase) in issuers that are not infrastructure companies.

Exchange-traded funds (“ETFs”) that provide exposure to infrastructure companies and derivative instruments, such as futures, that have similar economic exposures to infrastructure companies will be counted towards the Fund's 80% policy discussed above.

The Fund's investment strategy combines bottom-up company analysis with fundamental real asset research. The Investment Adviser may integrate environmental, social and governance (“ESG”) factors alongside traditional fundamental factors as part of its fundamental research process. No one factor or consideration is determinative in the stock selection process. The Investment Adviser may decide to sell a position for various reasons, including valuation and price considerations or for risk management purposes.

The Fund concentrates its investments in the securities of issuers in the infrastructure group of industries.

The Investment Adviser measures the Fund's performance against the Dow Jones Brookfield Global Infrastructure Index (Net, USD, Unhedged).

THE FUND IS “NON-DIVERSIFIED” UNDER THE INVESTMENT COMPANY ACT OF 1940, AS AMENDED (“INVESTMENT COMPANY ACT”), AND MAY INVEST A LARGER PERCENTAGE OF ITS ASSETS IN FEWER ISSUERS THAN DIVERSIFIED MUTUAL FUNDS.

PRINCIPAL RISKS OF THE FUND

Loss of money is a risk of investing in the Fund. An investment in the Fund is not a bank deposit and is not insured or guaranteed by the Federal Deposit Insurance Corporation (“FDIC”) or any government agency. The Fund should not be relied upon as a complete investment program. There can be no assurance that the Fund will achieve its investment objective. Investments in the Fund involve substantial risks which prospective investors should consider carefully before investing. The Fund's principal risks are presented below in alphabetical order, and not in the order of importance or potential exposure.

Dividend-Paying Investments Risk. The Fund's investments in dividend-paying securities could cause the Fund to underperform other funds. Securities that pay dividends, as a group, can fall out of favor with the market, causing such securities to underperform securities that do not pay dividends. Depending upon market conditions and political and legislative responses to such conditions, dividend-paying securities that meet the Fund's investment criteria may not be widely available and/or may be highly concentrated in only a few market sectors. In addition, issuers that have paid regular dividends or distributions to shareholders may not continue to do so at the same level or at all in the future. This may limit the ability of the Fund to produce current income.

Foreign and Emerging Countries Risk. Foreign securities may be subject to risk of loss because of more or less foreign government regulation; less public information; less stringent investor protections; less stringent accounting, corporate governance, financial reporting and disclosure standards; and less economic, political and social stability in the countries in which the Fund invests. The imposition of sanctions, exchange controls (including repatriation restrictions), confiscations, trade restrictions (including tariffs) and other government restrictions by the United States and other governments, or from problems in share registration, settlement or custody, may also result in losses. The type and severity of sanctions and other similar measures, including counter sanctions and other retaliatory actions, that may be imposed could vary broadly in scope, and their impact is impossible to predict. For example, the imposition of sanctions and other similar measures could, among other things, cause a decline in the value and/or liquidity of securities

issued by the sanctioned country or companies located in or economically tied to the sanctioned country and increase market volatility and disruption in the sanctioned country and throughout the world. Sanctions and other similar measures could limit or prevent the Fund from buying and selling securities (in the sanctioned country and other markets), significantly delay or prevent the settlement of securities transactions, and significantly impact the Fund's liquidity and performance. Foreign risk also involves the risk of negative foreign currency exchange rate fluctuations, which may cause the value of securities denominated in such foreign currency (or other instruments through which the Fund has exposure to foreign currencies) to decline in value. Currency exchange rates may fluctuate significantly over short periods of time. These risks are more pronounced in connection with the Fund's investments in securities of issuers located in, or otherwise economically tied to, emerging countries.

Industry Concentration Risk. The Fund concentrates its investments in securities of companies in the infrastructure group of industries. This concentration subjects the Fund to greater risk of loss as a result of adverse economic, business, political, environmental or other developments in such industries than if its investments were diversified across different industries.

Infrastructure Company Risk. Infrastructure companies are susceptible to various factors that may negatively impact their businesses or operations, including costs associated with compliance with and changes in environmental, governmental and other regulations, rising interest costs in connection with capital construction and improvement programs, government budgetary constraints that impact publicly funded projects, the effects of general economic conditions throughout the world, surplus capacity and depletion concerns, increased competition from other providers of services, uncertainties regarding the availability of fuel and other natural resources at reasonable prices, the effects of energy conservation policies, unfavorable tax laws or accounting policies and high leverage. Infrastructure companies will also be affected by innovations in technology that could render the way in which a company delivers a product or service obsolete and natural or man-made disasters.

Large Shareholder Transactions Risk. The Fund may experience adverse effects when certain large shareholders purchase or redeem large amounts of shares of the Fund. Such large shareholder redemptions, which may occur rapidly or unexpectedly, may cause the Fund to sell portfolio securities at times when it would not otherwise do so, which may negatively impact the Fund's net asset value ("NAV") and liquidity. Similarly, large Fund share purchases may adversely affect the Fund's performance to the extent that the Fund is delayed in investing new cash or otherwise maintains a larger cash position than it ordinarily would. These transactions may also accelerate the realization of taxable income to shareholders if such sales of investments resulted in gains, and may also increase transaction costs. In addition, a large redemption could result in the Fund's current expenses being allocated over a smaller asset base, leading to an increase in the Fund's expense ratio.

Market Risk. The value of the securities in which the Fund invests may go up or down in response to the prospects of individual companies, particular sectors, governments or countries and/or general economic conditions throughout the world due to increasingly interconnected global economies and financial markets. Events such as war, military conflict, geopolitical disputes, acts of terrorism, social or political unrest, natural disasters, recessions, inflation, rapid interest rate changes, supply chain disruptions, tariffs and other restrictions on trade,

sanctions or the spread of infectious illness or other public health threats, or the threat or potential of one or more such events and developments, could also significantly impact the Fund and its investments.

Master Limited Partnership Risk. Investments in securities of an MLP involve risks that differ from investments in common stock, including risks related to limited control and limited rights to vote on matters affecting the MLP. Certain MLP securities may trade in lower volumes due to their smaller capitalizations, and may be subject to more abrupt or erratic price movements and lower market liquidity. MLPs are generally considered interest-rate sensitive investments. During periods of interest rate volatility, these investments may not provide attractive returns. Investments in securities of an MLP also include tax-related risks. For example, to the extent a distribution received by the Fund from an MLP is treated as a return of capital, the Fund's adjusted tax basis in the interests of the MLP may be reduced, which will result in an increase in an amount of income or gain (or decrease in the amount of loss) that will be recognized by the Fund for tax purposes upon the sale of any such interests or upon subsequent distributions in respect of such interests.

Mid-Cap and Small-Cap Risk. Investments in mid-capitalization and small-capitalization companies involve greater risks than those associated with larger, more established companies. These securities may be subject to more abrupt or erratic price movements and may lack sufficient market liquidity, and these issuers often face greater business risks.

Non-Diversification Risk. The Fund is non-diversified, meaning that it is permitted to invest a larger percentage of its assets in one or more issuers or in fewer issuers than diversified mutual funds. Thus, the Fund may be more susceptible to adverse developments affecting any single issuer held in its portfolio, and may be more susceptible to greater losses because of these developments.

Real Estate Investment Trusts ("REITs") Risk. REITs whose underlying properties are concentrated in a particular industry or geographic region are subject to risks affecting such industries and regions. The securities of REITs involve greater risks than those associated with larger, more established companies and may be subject to more abrupt or erratic price movements because of interest rate changes, economic conditions and other factors. Securities of such issuers may lack sufficient market liquidity to enable the Fund to effect sales at an advantageous time or without a substantial drop in price.

Stock Risk. Stock prices have historically risen and fallen in periodic cycles. U.S. and foreign stock markets have experienced periods of substantial price volatility in the past and may do so again in the future.

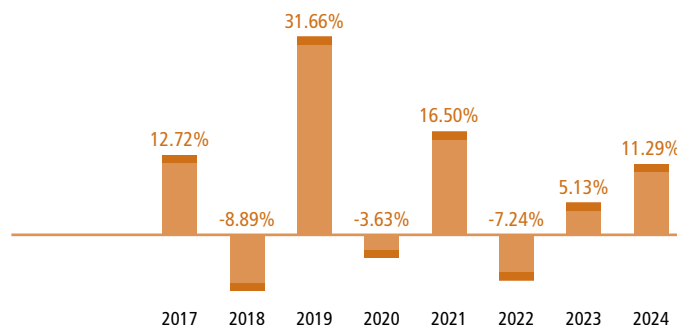
PERFORMANCE

The bar chart and table below provide an indication of the risks of investing in the Fund by showing: (a) changes in the performance of the Fund's Institutional Shares from year to year; and (b) how the average annual total returns of the Fund's Class A, Class C, Institutional, Investor and Class R6 Shares compare to those of a regulatorily required broad-based securities market index (MSCI® ACWI Index (Net, USD, Unhedged)) (the "Regulatory Benchmark") and the Dow Jones Brookfield Global Infrastructure Index (Net, USD, Unhedged) (the "Performance Benchmark"). The Performance Benchmark is generally more representative of the market sectors and/or types of investments in which the Fund invests or to which the Fund has exposure and which the Investment Adviser uses to measure the Fund's performance. The Fund has included in the table below the performance of the Regulatory Benchmark, which represents a broader measure of market

performance, to comply with new regulatory requirements. For additional information about these benchmark indices, please see “Additional Performance and Benchmark Information” on page 14 of the Prospectus. The Fund’s past performance, before and after taxes, is not necessarily an indication of how the Fund will perform in the future. Updated performance information is available at no cost at am.gs.com or by calling the appropriate phone number on the back cover of the Prospectus.

Performance reflects applicable fee waivers and/or expense limitations in effect during the periods shown.

CALENDAR YEAR (INSTITUTIONAL)



During the periods shown in the chart above:	Returns	Quarter ended
Best Quarter Return	16.59%	March 31, 2019
Worst Quarter Return	-17.20%	March 31, 2020

AVERAGE ANNUAL TOTAL RETURN

For the period ended December 31, 2024	1 Year	5 Years	Since Inception	Inception Date
Class A Shares				6/27/2016
Returns Before Taxes	4.89%	2.51%	5.07%	
Returns After Taxes on Distributions	0.85%	1.38%	3.53%	
Returns After Taxes on Distributions and Sale of Fund Shares	4.87%	1.80%	3.34%	
Class C Shares				6/27/2016
Returns Before Taxes	9.09%	2.90%	4.98%	
Institutional Shares				6/27/2016
Returns Before Taxes	11.29%	4.01%	6.14%	
Investor Shares				6/27/2016
Returns Before Taxes	11.22%	3.91%	6.02%	
Class R6 Shares				6/27/2016
Returns Before Taxes	11.25%	4.02%	6.14%	
Dow Jones Brookfield Global Infrastructure Index (Net, USD, Unhedged)	9.95%	3.66%	6.28%	
MSCI® ACWI Index (Net, USD, Unhedged)	17.44%	10.05%	11.74%	

Benchmark returns do not reflect any deductions for fees or expenses.

The after-tax returns are for Class A Shares only. The after-tax returns for Class C, Institutional, Investor and Class R6 Shares, will vary. After-tax returns are calculated using the historical highest individual federal marginal income tax rates and do not reflect the impact of state and local taxes. Actual after-tax returns depend on an investor’s tax situation and may differ from those shown. In addition, the after-tax returns shown are not relevant to investors who hold Fund Shares through tax-deferred arrangements such as 401(k) plans or individual retirement accounts.

PORTFOLIO MANAGEMENT

Goldman Sachs Asset Management, L.P. is the investment adviser for the Fund (the “Investment Adviser” or “GSAM”).

Portfolio Managers: Kristin Kuney, CFA, Managing Director, has managed the Fund since 2020; Abhinav Zutshi, CFA, Vice President, has managed the Fund since 2021; and Matthew Cooper, Vice President, has managed the Fund since 2025.

BUYING AND SELLING FUND SHARES

The minimum initial investment for Class A and Class C Shares is, generally, \$1,000. The minimum initial investment for Institutional Shares is, generally, \$1,000,000 for individual or certain institutional investors, alone or in combination with other assets under the management of the Investment Adviser and its affiliates. There is no minimum for initial purchases of Investor and Class R6 Shares, except for certain institutional investors who purchase Class R6 Shares directly with the Fund’s transfer agent for which the minimum initial investment is \$5,000,000. Those share classes with a minimum initial investment

requirement do not impose it on certain employee benefit plans, and Institutional Shares do not impose it on certain investment advisers investing on behalf of other accounts.

The minimum subsequent investment for Class A and Class C shareholders is \$50, except for certain employee benefit plans, for which there is no minimum. There is no minimum subsequent investment for Institutional, Investor or Class R6 shareholders.

You may purchase and redeem (sell) shares of the Fund on any business day through certain intermediaries that have a relationship with Goldman Sachs & Co. LLC (“Goldman Sachs”), including banks, trust companies, brokers, registered investment advisers and other financial institutions (“Intermediaries”).

TAX INFORMATION

The Fund’s distributions are taxable, and will be taxed as ordinary income or capital gains, unless you are investing through a tax-deferred arrangement, such as a 401(k) plan or an individual retirement account. Investments made through tax-deferred arrangements may become taxable upon withdrawal from such arrangements.

PAYMENTS TO BROKER-DEALERS AND OTHER FINANCIAL INTERMEDIARIES

If you purchase the Fund through an Intermediary, 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 Intermediary and your salesperson to recommend the Fund over another investment. Ask your salesperson or visit your Intermediary’s website for more information.

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