

The below Hypothetical Weights are shown for information purposes only and do not reflect the constituents of the Goldman Sachs ActiveBeta® Paris-Aligned Sustainable U.S. Large Cap Equity Index. The Hypothetical Weights are a hypothetical indication of what the weightings and constituents of the Goldman Sachs ActiveBeta® Paris-Aligned Sustainable U.S. Large Cap Equity Index would be if the Goldman Sachs ActiveBeta® Paris-Aligned Sustainable U.S. Large Cap Equity Index were rebalanced daily using current market data. These hypothetical weights do not reflect actual current or future changes to the Goldman Sachs ActiveBeta® Paris-Aligned Sustainable U.S. Large Cap Equity Index and the constituents at the next actual rebalance (typically quarterly) may differ substantially. Neither Goldman Sachs Asset Management, L.P. ("GSAM") nor any of its affiliates guarantees the quality, accuracy and/or the completeness of this information nor any data included therein or on which this information is based, and neither GSAM nor any of its affiliates shall be liable to any third party for any loss or damage, direct, indirect or consequential, arising from (i) any inaccuracy or incompleteness in, or delays, interruptions, errors or omissions in this information or any data included therein or on which any of this information is based or (ii) any decision made or action taken by any third party in reliance upon this information or any data.

Goldman Sachs ActiveBeta® Paris-Aligned Sustainable U.S. Large Cap Equity Index Hypothetical Weights for 12/31/2024

Name	Weight
3M COMPANY	0.000770
ABBOTT LABORATORIES	0.003415
ABBVIE INC	0.007555
ACCENTURE PLC-CL A	0.004202
ADOBE INC	0.006075
ADVANCED MICRO DEVICES	0.003117
AFLAC INC	0.001354
AGILENT TECHNOLOGIES INC	0.000874
AIRBNB INC	0.000215
AKAMAII TECHNOLOGIES INC	0.001626
ALEXANDRIA REAL ESTATE EQUITIES	0.001241
ALIGN TECHNOLOGY INC	0.001028
ALLSTATE CORP	0.001243
ALNYLAM PHARMACEUTICALS INC	0.000372
AMERICAN EXPRESS CO	0.006088
AMERICAN INTERNATIONAL GROUP INC	0.001645
AMERICAN TOWER CORP	0.000333
AMERICAN WATER WORKS CO INC	0.000386
AMERIPRISE FINL	0.006044
AMETEK INC	0.001229
AMGEN INC	0.000494
AMPHENOL CORP NEW CL A	0.003350
ANALOG DEVICES INC	0.001122
ANSYS INC	0.000306
AON PLC	0.001835
APOLLO GLOBAL MANAGEMENT INC	0.004305
APPLIED MATERIALS INC	0.004669
APPLOVIN CORP	0.003453
ARCH CAPITAL GROUP LTD	0.001684
ARCHER-DANIELS-MIDLAND CO	0.001956
ARES MANAGEMENT CORP	0.000770
ARISTA NETWORKS INC	0.002764
ARTHUR J GALLAGHER & CO	0.001739
AT&T	0.005491
ATLIASSIAN CORPORATION PLC	0.003648
AUTODESK INC	0.001832
AUTOMATIC DATA PROCESSING	0.001693
AUTOZONE INC	0.002109
AVALONBAY COMMUNITIES INC	0.001778
AVANTOR INC	0.001421
AVERY DENNISON CORP	0.002209
AXON ENTERPRISE INC	0.001726
BANK OF AMERICA CORP	0.006693
BANK OF NEW YORK MELLON CORP	0.005527
BECTON DICKINSON AND CO	0.001554
BEST BUY CO INC	0.001618
BIOGEN INC	0.001658
BLACKROCK INC	0.002555
BLACKSTONE INC	0.001712
BOOKING HOLDINGS INC	0.007489
BOSTON SCIENTIFIC CORP	0.004185
BRISTOL-MYERS SQUIBB CO	0.003507
BROADCOM INC	0.027722
BROADRIDGE FINL SOLUTIONS I COM	0.001586
BROWN & BROWN INC	0.002408
BUILDERS FIRSTSOURCE INC	0.003933
BURLINGTON STORES INC	0.000504
CADENCE DESIGN SYSTEMS INC	0.001455
CAPITAL ONE FINL.	0.002915
CARDINAL HEALTH INC	0.000336
CARLISLE COS INC	0.001440
CARNIVAL CORP	0.001655
CARVANA CO	0.001452
CBOE GLOBAL MARKETS INC	0.001127
CBRE GROUP INC	0.000300
CDW CORP/DE	0.001138
CELANESE CORP	0.002019
CENCORA INC	0.003708
CENTENE CORP	0.000435
CHARTER COMMUNICATIONS INC	0.000988
CHIPOTLE MEXICAN GRILL INC	0.000850
CHUBB LTD	0.003637
CHURCH & DWIGHT CO INC	0.002448
CIGNA GROUP	0.002563

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Name	Weight
CINCINNATI FINANCIAL CORP	0.002278
CINTAS CORP	0.003298
CISCO SYSTEMS INC	0.004320
CITIGROUP INC	0.003814
CITIZENS FINANCIAL GROUP INC	0.000598
CLOROX COMPANY	0.002848
CME GROUP INC	0.001712
COCA-COLA CO/THE	0.006164
COGNIZANT TECHNOLOGY SOLUTIONS C	0.001579
COINBASE GLOBAL INC -CLASS A	0.000358
COLGATE-PALMOLIVE CO	0.007510
COMCAST CORP-CLASS A	0.002480
CONAGRA BRANDS INC	0.002556
CONSTELLATION BRANDS INC CL A	0.000564
COOPER COMPANIES INC	0.000329
CORNING INC	0.001203
CORPAY INC	0.000797
CORTEVA INC	0.000983
CRH PLC	0.001243
CROWDSTRIKE HOLDINGS INC	0.000785
CSX CORP	0.001072
CVS HEALTH CORP	0.000811
D R HORTON INC	0.000545
DANAHER CORP	0.002226
DARDEN RESTAURANTS INC	0.000383
DECKERS OUTDOOR CORP	0.004069
DEERE & CO	0.000930
DELL TECHNOLOGIES INC - C	0.001271
DEXCOM INC	0.000392
DIGITAL REALTY TRUST INC	0.001156
DISCOVER FINANCIAL SERVICES	0.002936
DOLLAR GENERAL CORP	0.002104
DOLLAR TREE	0.001783
DOMINOS PIZZA INC	0.002981
DOORDASH INC	0.000977
DOVER CORP	0.001462
DOW INC	0.000264
DUPONT DE NEMOURS INC	0.000172
EBAY INC	0.001475
ECOLAB INC	0.001532
EDISON INTERNATIONAL	0.001544
EDWARDS LIFESCIENCES CORP	0.000656
ELECTRONIC ARTS INC	0.002393
ELEVANCE HEALTH INC	0.000308
ELI LILLY & CO	0.018910
EMCOR GROUP INC	0.003716
ENTEGRIS INC	0.000260
EQUINIX INC	0.000164
EQUITY RESIDENTIAL	0.001638
ESSEX PROPERTY TRUST INC	0.001183
ESTEE LAUDER COMPANIES INC	0.001439
EVEREST GROUP LTD	0.001178
EXPEDIA GROUP INC	0.001308
EXPEDITORS INTL WASH INC	0.001473
EXTRA SPACE STORAGE INC	9.999977
FACTSET RESEARCH SYSTEMS INC	0.001175
FAIR ISAAC CORP	0.005998
FASTENAL CO	0.004603
FEDEX CORP	0.001699
FERGUSON PLC	0.001329
FIDELITY NATIONAL FINANCIAL INC	0.000448
FIDELITY NATIONAL INFORMATION SE	0.000695
FIFTH THIRD BANCORP	0.000686
FIRST CITIZENS BANCSHARES INC/NC	0.000776
FISERV INC	0.003149
FLUTTER ENTERTAINMENT PLC	0.000273
FORD MOTOR CO	0.001568
FORTINET INC	0.001664
GARMIN LTD	0.000753
GARTNER INC	0.001658
GE HEALTHCARE TECHNOLOGIES INC	0.000420
GEN DIGITAL INC	0.001275
GENERAL ELECTRIC CO	0.003748
GENERAL MILLS INC	0.001265

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Name	Weight
GENERAL MOTORS CO	0.000536
GENUINE PARTS CO	0.000262
GILEAD SCIENCES INC	0.002044
GLOBAL PAYMENTS INC	0.000818
GODADDY INC	0.002964
GRACO	0.002449
GUIDEWIRE SOFTWARE INC	0.000602
HARTFORD FINANCIAL SERVICES GROU	0.003188
HCA HEALTHCARE INC	0.001145
HERSHEY CO/THE	0.000341
HEWLETT PACKARD ENTERPRISE COMPA	0.003244
HILTON WORLDWIDE HOLDINGS INC	0.002607
HOLOGIC INC	0.003136
HOME DEPOT INC	0.009770
HOWMET AEROSPACE INC	0.001743
HP INC	0.000599
HUBBELL INC -CL B	0.000354
HUBSPOT INC	0.002897
HUNT J B TRANS SVCS INC	0.000250
HUNTINGTON BANCSHARES INC/OH	0.000575
IDEX CORP	0.002030
IDEXX LABORATORIES INC	0.004734
ILLINOIS TOOL WORKS	0.002819
ILLUMINA INC	0.001155
INSULET CORP	0.001465
INTEL CORP	0.000837
INTERACTIVE BROKERS GROUP INC	0.000891
INTERCONTINENTAL EXCHANGE INC	0.002952
INTERNATIONAL BUSINESS MACHINES	0.005236
INTL FLAVORS & FRAGRANCES	0.000480
INTUIT COM	0.003306
INTUITIVE SURGICAL INC	0.004209
INVITATION HOMES INC	0.001284
IQVIA HOLDINGS INC	0.001599
IRON MTN INC	0.001813
JABIL INC	0.001600
JACK HENRY & ASSOCIATES INC	0.001892
JOHNSON & JOHNSON	0.010157
JOHNSON CONTROLS INTERNATIONAL P	0.000605
JPMORGAN CHASE & CO	0.020079
KELLANOVA	0.000678
KEURIG DR PEPPER INC	0.001221
KEYSIGHT TECHNOLOGIES INC	0.001226
KIMBERLY-CLARK CORP	0.002488
KIMCO REALTY CORP	0.000594
KKR & CO INC	0.002199
KLA CORP	0.002573
KRAFT HEINZ CO/THE	0.001248
LABCORP HOLDINGS INC	0.000875
LAM RESEARCH CORP	0.003022
LENNAR CORP	0.002082
LINDE PLC	0.003514
LIVE NATION ENTERTAINMENT IN	0.000683
LOWES COS INC	0.003667
LPL FINANCIAL HOLDINGS INC	0.001318
M & T BANK CORP	0.000798
MANHATTAN ASSOCIATES INC	0.004134
MARKEL GROUP INC	0.001747
MARRIOTT INTERNATIONAL -CL A	0.000996
MARSH & MCLENNAN COS	0.004430
MARTIN MARIETTA MATERIALS	0.000204
MARVELL TECHNOLOGY INC	0.000431
MASCO CORP	0.002557
MASTERCARD INC-CLASS A	0.015819
MCKESSON CORP	0.002839
MEDTRONIC PLC	0.001725
MERCK & CO. INC.	0.007272
META PLATFORMS INC	0.042078
METLIFE INC	0.001052
METTLER-TOLEDO INTL	0.004054
MICROCHIP TECHNOLOGY INC	0.000606
MICRON TECHNOLOGY INC	0.001463
MID-AMERICA APARTMENT COMM	0.001426
MONDELEZ INTERNATIONAL INC	0.001142

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Name	Weight
MONOLITHIC POWER SYSTEMS INC	0.000391
MONSTER BEVERAGE CORP	0.000935
MOODYS CORP	0.004838
MORGAN STANLEY	0.003808
MOTOROLA SOLUTIONS INC	0.005016
NASDAQ INC	0.001327
NETAPP INC	0.002239
NETFLIX INC	0.007722
NIKE INC	0.002081
NORDSON CORP	0.001221
NORTHERN TRUST CORP	0.002811
NUCOR CORP	0.001706
NUTANIX INC	0.004719
NVIDIA CORP	0.095813
NVR INC	0.001347
O REILLY AUTOMOTIVE INC	0.002774
OLD DOMINION FREIGHT LINE INC	9.999999
OMNICOM GROUP	0.001907
ON SEMICONDUCTOR CORPORATION	0.000960
ORACLE CORP	0.004030
OTIS WORLDWIDE CORP	0.002466
OWENS CORNING INC	0.002371
PACCAR INC	0.000271
PALANTIR TECHNOLOGIES INC	0.001330
PALO ALTO NETWORKS INC	0.002029
PARKER HANNIFIN CORP	0.001233
PAYCHEX INC	0.000237
PAYPAL HOLDINGS INC.	0.001981
PENTAIR PLC	0.000639
PEPSICO INC	0.004753
PFIZER INC	0.000429
PINTEREST INC	0.003637
PNC FINANCIAL SERVICES GROUP	0.001224
POOL CORP	0.000342
PPG INDUSTRIES INC	0.001621
PRINCIPAL FINANCIAL GROUP INC	0.001419
PROCTER & GAMBLE CO	0.011511
PROGRESSIVE CORP	0.003115
PROLOGIS INC	0.000734
PRUDENTIAL FINANCIAL INC	0.002015
PTC INC	0.002116
PUBLIC STORAGE	0.000429
PULTE GROUP INC	0.001396
PURE STORAGE INC - CLASS A	0.003706
QUALCOMM INC	0.006470
QUEST DIAGNOSTICS INC	0.002428
RAYMOND JAMES FINL.	0.001735
REALTY INCOME CORP	0.000939
REGENERON PHARMACEUTICALS	0.001988
REGIONS FINANCIAL CORP	0.000403
RELIANCE STEEL & ALUMINUM	0.001651
REPUBLIC SERVICES INC	0.003261
RESMED INC	0.000690
REVVITY INC	0.000834
ROLLINS INC	0.002503
ROPER TECHNOLOGIES INC	0.003179
ROSS STORES	0.000948
ROYAL CARIBBEAN CRUISES LTD	0.001143
RPM INTERNATIONAL INC	0.002414
S&P GLOBAL INC	0.002512
SALESFORCE INC	0.008246
SCHWAB (CHARLES) CORP	0.000548
SEAGATE TECHNOLOGY HOLDINGS PLC	0.000758
SERVICENOW INC	0.004504
SHERWIN-WILLIAMS CO	0.002085
SIMON PROPERTY GROUP INC	0.001370
SKYWORKS SOLUTIONS INC	0.002364
SMURFIT WESTROCK PLC	0.000229
SNAP-ON INC	0.001847
SS&C TECHNOLOGIES HOLDINGS INC	0.003289
STANLEY BLACK & DECKER	0.000929
STATE STREET CORP	0.002992
STERIS PLC	0.001314
STRYKER CORP	0.002663

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Name	Weight
SUN COMMUNITIES INC	0.001369
SUPER MICRO COMPUTER INC	0.000145
SYNCHRONY FINANCIAL	0.004098
SYNOPSIS INC	0.000474
SYSCO CORP	0.004277
T ROWE PRICE GROUP INC	0.001942
T-MOBILE US INC	0.003898
TAKE-TWO INTERACTIVE SOFTWARE IN	0.000456
TARGET CORP	0.002985
TE CONNECTIVITY LTD	0.001417
TELEDYNE TECHNOLOGIES INC	0.001466
TERADYNE INC	0.000709
TEXAS INSTRUMENTS INC	0.003226
THERMO FISHER SCIENTIFIC INC	0.003899
TJX COMPANIES INC	0.006047
TOLL BROTHERS INC	0.001136
TRACTOR SUPPLY COMPANY	0.000783
TRADE DESK INC/THE -CLASS A	0.000501
TRADEWEB MARKETS INC	0.000358
TRANSUNION	0.000440
TRAVELERS COS INC/THE	0.001944
TRIMBLE INC	0.001571
TRUIST FINANCIAL CORP	0.000222
TYLER TECHNOLOGIES INC	0.000293
TYSON FOODS INC	0.000862
UBER TECHNOLOGIES INC	0.002694
ULTA BEAUTY INC	0.004207
UNION PACIFIC CORP	0.000184
UNITED AIRLINES HOLDINGS INC	0.000864
UNITED RENTALS INC	0.000336
UNITEDHEALTH GROUP INC	0.010378
US BANCORP	0.000815
VENTAS INC	0.000733
VERALTO CORP	0.002437
VERISIGN INC	0.006242
VERISK ANALYTICS INC	0.001178
VERIZON COMMUNICATIONS INC	0.004253
VERTEX PHARMACEUTICALS INC	0.001407
VERTIV HOLDINGS CO	0.001933
VIATRIS INC	0.003302
VICI PROPERTIES INC	0.001255
VISA INC-CLASS A SHARES	0.015808
VULCAN MATERIALS CO	0.000277
WALMART INC	0.015653
WALT DISNEY CO/THE	0.003101
WARNER BROS DISCOVERY INC	0.002408
WASTE MANAGEMENT INC	0.001966
WATERS CORP	0.000944
WATSCO INC	0.000870
WELLS FARGO & CO	0.005140
WELLTOWER INC	0.001819
WESTERN DIGITAL CORP	0.000517
WESTINGHOUSE AIR BRAKE TECHNOLOG	0.003026
WILLIAMS-SONOMA INC	0.004752
WILLIS TOWERS WATSON PLC	0.001593
WORKDAY INC	0.000532
WP CAREY & CO LLC	0.002033
WR BERKLEY CORP	0.000638
WW GRAINGER INC	0.006116
YUM! BRANDS	0.002349
ZEBRA TECHNOLOGIES CORP	0.000716
ZIMMER BIOMET HOLDINGS INC	0.002040
ZOETIS INC	0.001263
ZOOM VIDEO COMMUNICATIONS INC	0.002007

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