

The below Hypothetical Weights are shown for information purposes only and do not reflect the constituents of the Goldman Sachs ActiveBeta<sup>®</sup> U.S. Low Vol Equity Index. The Hypothetical Weights are a hypothetical indication of what the weightings and constituents of the Goldman Sachs ActiveBeta<sup>®</sup> U.S. Low Vol Equity Index would be if the Goldman Sachs ActiveBeta<sup>®</sup> U.S. Low Vol 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<sup>®</sup> U.S. Low Vol 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<sup>®</sup> U.S. Low Vol Equity Index Hypothetical Weights for 11/8/2024

Name	Weight
ABBOTT LABORATORIES	0.002151
ABBVIE INC	0.009224
ACCENTURE PLC-CL A	0.009312
ADOBE INC	0.003953
AECOM	0.001474
AFLAC INC	0.006574
AGREE REALTY CORP	0.000750
AKAMAI TECHNOLOGIES INC	0.004946
ALBERTSONS COMPANIES INC	0.002589
ALLIANT ENERGY CORP	0.000676
ALLSTATE CORP	0.002764
ALPHABET INC C-SHARES	0.007094
ALPHABET INC-CL A	0.008649
ALTRIA GROUP INC	0.001479
AMAZON.COM INC	0.013983
AMDOCS LTD	0.003769
AMEREN CORP	0.000497
AMERICAN ELECTRIC POWER COMPANY	0.001436
AMERICAN FINANCIAL GROUP INC	0.001985
AMERICAN HOMES 4 RENT	0.001477
AMERICAN INTERNATIONAL GROUP INC	0.001355
AMERIPRISE FINL	0.002153
AMETEK INC	0.001903
AMGEN INC	0.001829
AMPHENOL CORP NEW CL A	0.007472
ANALOG DEVICES INC	0.000281
ANTERO MIDSTREAM CORP	0.000741
AON PLC	0.002479
APPLE INC	0.041172
APTARGROUP INC	0.002206
ARCH CAPITAL GROUP LTD	0.004822
ARROW ELECTRONICS INC	0.002388
ARTHUR J GALLAGHER & CO	0.003735
ASGN INC	0.000251
ASSURANT INC	0.001972
AT&T	0.009734
ATMOS ENERGY CORP	0.001264
AUTODESK INC	0.002284
AUTOMATIC DATA PROCESSING	0.002544
AUTOZONE INC	0.009281
BANK OF AMERICA CORP	0.002646
BANK OF NEW YORK MELLON CORP	0.003721
BECTON DICKINSON AND CO	0.002518
BERKSHIRE HATHAWAY INC-CL B	0.020127
BOOZ ALLEN HAMILTON HOLDING CORP	0.001840
BOSTON SCIENTIFIC CORP	0.005216
BROADCOM INC	0.002651
BROADRIDGE FINL SOLUTIONS I COM	0.003973
BROWN & BROWN INC	0.002176
BWX TECHNOLOGIES INC	0.001536
CACI INTERNATIONAL INC -CL A	0.004646
CADENCE DESIGN SYSTEMS INC	0.003284
CAMDEN PROPERTY TRUST	0.002395
CARDINAL HEALTH INC	0.001395
CATERPILLAR INC	0.001068
CBOE GLOBAL MARKETS INC	0.003453
CCC INTELLIGENT SOLUTIONS HOLDIN	0.000444
CDW CORP/DE	0.004758
CENCORA INC	0.007390
CHEMED CORP	0.002931
CHENIERE ENERGY INC	0.000667
CHEVRON CORP	0.003321
CHUBB LTD	0.007074
CHURCH & DWIGHT CO INC	0.003905
CINCINNATI FINANCIAL CORP	0.001851
CINTAS CORP	0.005973
CISCO SYSTEMS INC	0.008349
CITIGROUP INC	0.003310
CME GROUP INC	0.002569
CMS ENERGY CORP	0.001673
COCA-COLA CO/THE	0.003700
COGNIZANT TECHNOLOGY SOLUTIONS C	0.006513
COLGATE-PALMOLIVE CO	0.009840
COMCAST CORP-CLASS A	0.006450

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Name	Weight
CONAGRA BRANDS INC	0.005199
CONSOLIDATED EDISON INC	0.002201
CONSTELLATION BRANDS INC CL A	0.000307
CORNING INC	0.002002
COSTCO WHOLESALE CORP	0.005378
CSX CORP	0.000737
CUMMINS INC	0.001165
CURTISS-WRIGHT CORP	0.001136
DANAHER CORP	0.000110
DARDEN RESTAURANTS INC	0.001901
DOLBY LABORATORIES INC-CL A	0.001654
DONALDSON CO INC	0.001834
DOVER CORP	0.001269
DOW INC	0.001167
DT MIDSTREAM INC	0.001061
DTE ENERGY CO	0.000799
DUKE ENERGY CORP	0.002555
ECOLAB INC	0.001463
EDISON INTERNATIONAL	0.000801
ELECTRONIC ARTS INC	0.008516
ELEVANCE HEALTH INC	0.000271
ELI LILLY & CO	0.005429
ENCOMPASS HEALTH CORP	0.000686
ENSIGN GROUP INC	0.000617
EQUITY LIFESTYLE PROPERTIES	0.000633
EVERGY INC	0.000519
EVERUS CONSTRUCTION GROUP INC	2.506636
EXPEDITORS INTL WASH INC	0.001393
EXXON MOBIL CORP	0.005018
F5 INC	0.005098
FACTSET RESEARCH SYSTEMS INC	0.001965
FAIR ISAAC CORP	0.006943
FASTENAL CO	0.005511
FISERV INC	0.002987
FLOWERS FOODS INC	0.001572
FORTIVE CORP	0.001807
GAMING AND LEISURE PROPERTIES IN	0.000493
GARMIN LTD	0.004313
GARTNER INC	0.004592
GEN DIGITAL INC	0.002446
GENERAL DYNAMICS CORP	0.003628
GENERAL MILLS INC	0.004816
GENPACT LTD	0.002389
GENTEX CORP	0.002613
GILEAD SCIENCES INC	0.005132
GODADDY INC	0.005685
GRACO	0.002130
GRAPHIC PACKAGING HOLDING CO	0.001873
HANOVER INSURANCE GROUP INC	0.000706
HARTFORD FINANCIAL SERVICES GROU	0.005311
HENRY SCHEIN INC	0.003133
HERSHEY CO/THE	0.001754
HESS MIDSTREAM PARTNERS LP	0.000626
HEWLETT PACKARD ENTERPRISE COMPA	0.007730
HILTON WORLDWIDE HOLDINGS INC	0.001453
HOLOGIC INC	0.000984
HOME DEPOT INC	0.009588
HONEYWELL INTERNATIONAL INC	0.000894
HORMEL FOODS CORP	0.000789
HOULIHAN LOKEY INC	0.001113
HP INC	0.004638
IDEX CORP	0.001775
ILLINOIS TOOL WORKS	0.005006
INGREDION INC	0.002747
INTERCONTINENTAL EXCHANGE INC	0.003161
INTERNATIONAL BUSINESS MACHINES	0.014486
INTUIT COM	0.001757
JACK HENRY & ASSOCIATES INC	0.001287
JACOBS SOLUTIONS INC	0.000259
JM SMUCKER CO/THE	0.001204
JOHNSON & JOHNSON	0.008306
JOHNSON CONTROLS INTERNATIONAL P	0.000334
JPMORGAN CHASE & CO	0.009010
JUNIPER NETWORKS INC	0.004523

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Name	Weight
KELLANOVA	0.001952
KEURIG DR PEPPER INC	0.001663
KEYSIGHT TECHNOLOGIES INC	0.003888
KIMBERLY-CLARK CORP	0.005094
KINDER MORGAN INC	0.005742
KRAFT HEINZ CO/THE	0.003621
L3HARRIS TECHNOLOGIES INC	0.001937
LABCORP HOLDINGS INC	0.002238
LANDSTAR SYSTEM INC	0.002370
LEIDOS HOLDINGS INC	0.006028
LINCOLN ELECTRIC HOLDINGS	0.003689
LINDE PLC	0.003547
LITTELFUSE INC	0.000275
LOCKHEED MARTIN CORP	0.005317
LOEWS CORP	0.005055
LOWES COS INC	0.004887
LYONDELLBASELL INDU-CL A	0.001172
MARKEL GROUP INC	0.003657
MARSH & MCLENNAN COS	0.008688
MASTERCARD INC-CLASS A	0.008872
MAXIMUS INC	0.001978
MCDONALDS CORP	0.008622
MCKESSON CORP	0.004662
MDU RES GROUP INC	0.000460
MEDTRONIC PLC	0.000342
MERCK & CO. INC.	0.007675
METLIFE INC	0.002020
MICROSOFT CORP	0.033168
MID-AMERICA APARTMENT COMM	0.001147
MONDELEZ INTERNATIONAL INC	0.003387
MONSTER BEVERAGE CORP	0.000599
MOODYS CORP	0.002583
MORGAN STANLEY	0.001063
MOTOROLA SOLUTIONS INC	0.011093
MSA SAFETY INC	0.000200
MSC INDUSTRIAL DIRECT CO-A	0.001325
NASDAQ INC	0.000298
NETAPP INC	0.004731
NISOURCE INC	0.001184
NNN REIT INC	0.000895
NORTHROP GRUMMAN CORP	0.001059
NVIDIA CORP	0.021057
O REILLY AUTOMOTIVE INC	0.011802
OGE ENERGY CORP	0.000273
OLD REPUBLIC INTL CORP	0.003108
OMEGA HEALTHCARE INVESTORS INC	0.000481
ONEOK INC	0.001272
ORACLE CORP	0.002204
OTIS WORLDWIDE CORP	0.002370
PACCAR INC	0.001821
PACK.CORP.OF AM.	0.001677
PAYCHEX INC	0.001604
PEPSICO INC	0.005807
PHILIP MORRIS INTERNATIONAL	0.002370
POST HOLDINGS INC	0.001965
PPG INDUSTRIES INC	0.000405
PPL CORP	0.001215
PROCTER & GAMBLE CO	0.007981
PROGRESSIVE CORP	0.002106
PRUDENTIAL FINANCIAL INC	0.002483
PTC INC	0.002197
PUBLIC STORAGE	0.000815
PUBLIC SVC ENTERPRISE	0.002073
QIAGEN NV	0.001523
QUEST DIAGNOSTICS INC	0.004913
REALTY INCOME CORP	0.003413
REGENCY CENTERS CORP	0.000686
REGENERON PHARMACEUTICALS	0.000687
REINSURANCE GROUP OF AMERICA	0.001369
REPUBLIC SERVICES INC	0.011377
RITHM CAPITAL CORP	0.000410
RLI CORP	0.000905
ROLLINS INC	0.004343
ROPER TECHNOLOGIES INC	0.008838

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ROSS STORES	0.001374
ROYALTY PHARMA PLC- CL A	0.001620
RPM INTERNATIONAL INC	0.003857
RTX CORPORATION	0.004227
S&P GLOBAL INC	0.001277
SALESFORCE INC	0.002946
SCIENCE APPLICATIONS INTERNATION	0.002736
SEI INVESTMENTS	0.000577
SERVICE CORP INTERNATIONAL	0.001286
SHERWIN-WILLIAMS CO	0.002682
SONOCO PRODUCTS CO	0.001282
SOUTHERN COMPANY THE	0.002367
SS&C TECHNOLOGIES HOLDINGS INC	0.004848
STAG INDUSTRIAL INC	0.000233
SYNOPSIS INC	0.002687
SYSCO CORP	0.003721
T-MOBILE US INC	0.009135
TD SYNEX CORP	0.003305
TE CONNECTIVITY LTD	0.004540
TELEDYNE TECHNOLOGIES INC	0.005364
TEXAS INSTRUMENTS INC	0.002948
TEXAS ROADHOUSE INC	0.000872
THERMO FISHER SCIENTIFIC INC	0.000233
TJX COMPANIES INC	0.009812
TRACTOR SUPPLY COMPANY	0.005619
TRANSDIGM GROUP INC	0.001084
TRAVELERS COS INC/THE	0.005255
TRIMBLE INC	0.000706
TYLER TECHNOLOGIES INC	0.000822
UDR INC	0.000995
UNITEDHEALTH GROUP INC	0.005977
UNUM GROUP	0.000687
VERISIGN INC	0.005681
VERISK ANALYTICS INC	0.004691
VERIZON COMMUNICATIONS INC	0.008435
VERTEX PHARMACEUTICALS INC	0.001452
VICI PROPERTIES INC	0.001932
VISA INC-CLASS A SHARES	0.008363
VONTIER CORP	0.000551
WALMART INC	0.010805
WALT DISNEY CO/THE	0.003072
WASTE MANAGEMENT INC	0.008235
WEC ENERGY GROUP INC	0.000777
WELLTOWER INC	0.001306
WESTINGHOUSE AIR BRAKE TECHNOLOG	0.001913
WILLIAMS COS INC	0.003394
WILLIS TOWERS WATSON PLC	0.000566
WP CAREY & CO LLC	0.000609
WR BERKLEY CORP	0.004190
WW GRAINGER INC	0.005054
YUM! BRANDS	0.005942
ZIMMER BIOMET HOLDINGS INC	0.001663

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