

# Janus Henderson Adaptive Global Allocation Fund

Full Portfolio Holdings as of 11/30/2018

Description	% of Portfolio
Vanguard Total International Bond ETF	6.96
Invesco QQQ Trust Series 1	4.66
Vanguard FTSE All-World ex-US ETF	4.16
Vanguard FTSE Emerging Markets ETF	4.06
Vanguard S&P 500 ETF	3.98
iShares Agency Bond ETF	3.54
iShares Core MSCI Emerging Markets ETF	3.22
Vanguard Mortgage-Backed Securities ETF	3.18
iShares 7-10 Year Treasury Bond ETF	3.08
iShares iBoxx \$ Investment Grade Corporate Bond ETF	2.79
iShares China Large-Cap ETF	2.52
Vanguard Mid-Cap ETF	2.32
iShares 20+ Year Treasury Bond ETF	2.21
Vanguard Value ETF	2.06
Vanguard FTSE Europe ETF	1.91
Vanguard Financials ETF	1.81
Vanguard FTSE Pacific ETF	1.80
Vanguard Industrials ETF	1.73
Vanguard Growth ETF	0.99
Vanguard High Dividend Yield ETF	0.83
iShares iBoxx High Yield Corporate Bond ETF	0.78
Vanguard Small-Cap ETF	0.61
Vanguard International High Dividend Yield ETF	0.58
Vanguard Consumer Staples ETF	0.51
Vanguard FTSE All World ex-US Small-Cap ETF	0.50
iShares MSCI Canada ETF	0.33
CBS Corp	0.10
Colgate-Palmolive Co	0.09
Fidelity National Information Services Inc	0.09
Procter & Gamble Co	0.08
Coca-Cola Co	0.08
Amphenol Corp	0.08
Omnicom Group Inc	0.08
TJX Cos Inc	0.07
Hilton Worldwide Holdings Inc	0.07
Dollar Tree Inc	0.07
AT&T Inc	0.07
Clorox Co	0.07
Exxon Mobil Corp	0.07
Sysco Corp	0.06
Genuine Parts Co	0.06
Cabot Oil & Gas Corp	0.06
Interpublic Group of Cos Inc	0.06
Charter Communications Inc	0.05
TE Connectivity Ltd	0.05

News Corp	0.05
Ford Motor Co	0.05
Kimberly-Clark Corp	0.05
TripAdvisor Inc	0.05
AutoZone Inc	0.05
Symrise AG	0.05
Bristol-Myers Squibb Co	0.05
Mettler-Toledo International Inc	0.05
Leggett & Platt Inc	0.04
Church & Dwight Co Inc	0.04
Marsh & McLennan Cos Inc	0.04
Hewlett Packard Enterprise Co	0.04
Tractor Supply Co	0.04
Schlumberger Ltd	0.04
Republic Services Inc	0.04
Hasbro Inc	0.04
Target Corp	0.04
Hershey Co	0.04
Akzo Nobel NV	0.04
Aon PLC	0.04
Arthur J Gallagher & Co	0.04
Comcast Corp	0.04
Juniper Networks Inc	0.04
Viacom Inc	0.04
Occidental Petroleum Corp	0.04
Darden Restaurants Inc	0.04
Red Electrica Corp SA	0.04
Snam SpA	0.03
Sage Group PLC	0.03
Walmart Inc	0.03
Molson Coors Brewing Co	0.03
ConocoPhillips	0.03
Western Union Co	0.03
Valero Energy Corp	0.03
Eli Lilly & Co	0.03
Waste Management Inc	0.03
Red Hat Inc	0.03
Automatic Data Processing Inc	0.03
CVS Health Corp	0.03
Gilead Sciences Inc	0.03
Phillips 66	0.03
Garmin Ltd	0.03
Universal Health Services Inc	0.03
Newmont Mining Corp	0.03
Baxter International Inc	0.03
Waters Corp	0.03
Walt Disney Co	0.03
Zoetis Inc	0.03
Intuit Inc	0.03

Xilinx Inc	0.03
Halliburton Co	0.03
Apache Corp	0.03
Roche Holding AG	0.03
FLIR Systems Inc	0.03
Twitter Inc	0.03
Amadeus IT Group SA	0.03
Lowe's Cos Inc	0.03
E*TRADE Financial Corp	0.03
Whirlpool Corp	0.03
Cooper Cos Inc	0.03
Vodafone Group PLC	0.03
ANSYS Inc	0.03
Grifols SA	0.03
Akamai Technologies Inc	0.03
Kraft Heinz Co	0.03
Hexagon AB	0.03
Johnson & Johnson	0.03
Monster Beverage Corp	0.03
F5 Networks Inc	0.03
Facebook Inc	0.03
Allstate Corp	0.03
Mirvac Group	0.03
CarMax Inc	0.03
Inter Pipeline Ltd	0.03
AstraZeneca PLC	0.02
Wm Morrison Supermarkets PLC	0.02
Analog Devices Inc	0.02
Marathon Petroleum Corp	0.02
BorgWarner Inc	0.02
Woolworths Group Ltd	0.02
Equinor ASA	0.02
Merlin Entertainments PLC	0.02
Renault SA	0.02
Telstra Corp Ltd	0.02
Advance Auto Parts Inc	0.02
Smith & Nephew PLC	0.02
Travelers Cos Inc	0.02
Campbell Soup Co	0.02
Thomson Reuters Corp	0.02
General Motors Co	0.02
TransCanada Corp	0.02
Pioneer Natural Resources Co	0.02
Alphabet Inc	0.02
Kingfisher PLC	0.02
McCormick & Co Inc/MD	0.02
Take-Two Interactive Software Inc	0.02
Honeywell International Inc	0.02
Loews Corp	0.02

NetApp Inc	0.02
Consolidated Edison Inc	0.02
Standard Life Aberdeen PLC	0.02
Estee Lauder Cos Inc	0.02
IHS Markit Ltd	0.02
Torchmark Corp	0.02
Sealed Air Corp	0.02
Anadarko Petroleum Corp	0.02
SCOR SE	0.02
Varian Medical Systems Inc	0.02
Accor SA	0.02
Bankia SA	0.02
ResMed Inc	0.02
International Flavors & Fragrances Inc	0.02
PayPal Holdings Inc	0.02
Loblaw Cos Ltd	0.02
Incyte Corp	0.02
Barratt Developments PLC	0.02
Whitbread PLC	0.02
CCL Industries Inc	0.02
People's United Financial Inc	0.02
National Oilwell Varco Inc	0.02
Electronic Arts Inc	0.02
Tapestry Inc	0.02
Shaw Communications Inc	0.02
Bendigo & Adelaide Bank Ltd	0.02
Dollar General Corp	0.02
Nucor Corp	0.02
Cigna Corp	0.02
Conagra Brands Inc	0.02
VF Corp	0.02
EOG Resources Inc	0.02
Kroger Co	0.02
Avery Dennison Corp	0.02
Unum Group	0.02
O'Reilly Automotive Inc	0.02
Willis Towers Watson PLC	0.02
Bank of East Asia Ltd	0.02
eBay Inc	0.02
Volkswagen AG	0.02
Nokia OYJ	0.02
Kohl's Corp	0.02
BT Group PLC	0.02
Mastercard Inc	0.02
Koninklijke KPN NV	0.02
BOC Hong Kong Holdings Ltd	0.02
Lam Research Corp	0.02
Mapfre SA	0.02
Cummins Inc	0.02

Porsche Automobil Holding SE	0.02
QUALCOMM Inc	0.02
BlackBerry Ltd	0.02
Verizon Communications Inc	0.02
Booking Holdings Inc	0.02
Sherwin-Williams Co	0.02
ASX Ltd	0.02
Medibank Pvt Ltd	0.02
Synopsys Inc	0.02
Cincinnati Financial Corp	0.02
Lonza Group AG	0.02
QBE Insurance Group Ltd	0.02
Marks & Spencer Group PLC	0.02
LyondellBasell Industries NV	0.02
Activision Blizzard Inc	0.02
K+S AG	0.02
Atos SE	0.02
Ralph Lauren Corp	0.02
AbbVie Inc	0.02
General Mills Inc	0.02
Norwegian Cruise Line Holdings Ltd	0.02
Neste Oyj	0.02
Hang Seng Bank Ltd	0.02
Humana Inc	0.02
Infineon Technologies AG	0.02
Arista Networks Inc	0.02
Michael Kors Holdings Ltd	0.02
thyssenkrupp AG	0.02
Clariant AG	0.02
Biogen Inc	0.02
KeyCorp	0.02
ONEOK Inc	0.02
DISH Network Corp	0.02
BCE Inc	0.01
Devon Energy Corp	0.01
Coca-Cola Amatil Ltd	0.01
RSA Insurance Group PLC	0.01
Orkla ASA	0.01
CK Asset Holdings Ltd	0.01
Best Buy Co Inc	0.01
Nokian Renkaat OYJ	0.01
Fifth Third Bancorp	0.01
Seagate Technology PLC	0.01
Edwards Lifesciences Corp	0.01
Dover Corp	0.01
Rogers Communications Inc	0.01
MTR Corp Ltd	0.01
Henderson Land Development Co Ltd	0.01
Westrock Co	0.01

Amazon.com Inc	0.01
Sanofi	0.01
Kinder Morgan Inc/DE	0.01
Corning Inc	0.01
Packaging Corp of America	0.01
DowDuPont Inc	0.01
Zimmer Biomet Holdings Inc	0.01
GPT Group	0.01
Aptiv PLC	0.01
Skyworks Solutions Inc	0.01
AMP Ltd	0.01
Hartford Financial Services Group Inc	0.01
Aviva PLC	0.01
Global Payments Inc	0.01
Barrick Gold Corp	0.01
American International Group Inc	0.01
CME Group Inc	0.01
Goldcorp Inc	0.01
Edenred	0.01
J Sainsbury PLC	0.01
Emera Inc	0.01
OMV AG	0.01
NTT DOCOMO Inc	0.01
Canadian Utilities Ltd	0.01
Associated British Foods PLC	0.01
Hydro One Ltd	0.01
Covestro AG	0.01
Fresenius SE & Co KGaA	0.01
M&T Bank Corp	0.01
Axel Springer SE	0.01
Caltex Australia Ltd	0.01
HollyFrontier Corp	0.01
Stanley Black & Decker Inc	0.01
Under Armour Inc	0.01
PepsiCo Inc	0.01
Boston Scientific Corp	0.01
MGM Resorts International	0.01
Hong Kong Exchanges & Clearing Ltd	0.01
EssilorLuxottica SA	0.01
PPG Industries Inc	0.01
Hess Corp	0.01
Fiat Chrysler Automobiles NV	0.01
Lennar Corp	0.01
Martin Marietta Materials Inc	0.01
Wesfarmers Ltd	0.01
Celgene Corp	0.01
Centrica PLC	0.01
Xerox Corp	0.01
LANXESS AG	0.01

Dollarama Inc	0.01
Fluor Corp	0.01
Goodyear Tire & Rubber Co	0.01
Perrigo Co PLC	0.01
EQT Corp	0.01
Sony Financial Holdings Inc	0.01
AvalonBay Communities Inc	0.01
Direct Line Insurance Group PLC	0.01
International Business Machines Corp	0.01
Lundin Petroleum AB	0.01
Nippon Prologis REIT Inc	0.01
Mid-America Apartment Communities Inc	0.01
Industria de Diseno Textil SA	0.01
Ecolab Inc	0.01
Western Digital Corp	0.01
Electrolux AB	0.01
JB Hunt Transport Services Inc	0.01
Rollins Inc	0.01
Kinnevik AB	0.01
ITV PLC	0.01
Equitrans Midstream Corp	0.01
Newcrest Mining Ltd	0.01
Telefonaktiebolaget LM Ericsson	0.01
Reckitt Benckiser Group PLC	0.01
United Urban Investment Corp	0.01
Yara International ASA	0.01
Raytheon Co	0.01
Duke Energy Corp	0.01
MEIJI Holdings Co Ltd	0.01
Apartment Investment & Management Co	0.01
WW Grainger Inc	0.01
JM Smucker Co	0.01
TELUS Corp	0.01
Tabcorp Holdings Ltd	0.01
Next PLC	0.01
UDR Inc	0.01
NIKE Inc	0.01
Netflix Inc	0.01
Pembina Pipeline Corp	0.01
adidas AG	0.01
Ferrovial SA	0.01
Amcor Ltd/Australia	0.01
Repsol SA	0.01
Applied Materials Inc	0.01
Gap Inc	0.01
Travis Perkins PLC	0.01
WEC Energy Group Inc	0.01
Fortive Corp	0.01
Canadian Tire Corp Ltd	0.01

Boliden AB	0.01
Transurban Group	0.01
NXP Semiconductors NV	0.01
Merck KGaA	0.01
Southwest Airlines Co	0.01
Harley-Davidson Inc	0.01
Wynn Resorts Ltd	0.01
Elisa OYJ	0.01
Ball Corp	0.01
ANDRITZ AG	0.01
Power Financial Corp	0.01
FMC Corp	0.01
Davide Campari-Milano SpA	0.01
Suncor Energy Inc	0.01
Orica Ltd	0.01
Ferrari NV	0.01
Sonic Healthcare Ltd	0.01
Philip Morris International Inc	0.01
HKT Trust & HKT Ltd	0.01
Novartis AG	0.01
STMicroelectronics NV	0.01
Telefonica SA	0.01
Scentre Group	0.01
Equity Residential	0.01
UCB SA	0.01
Ulta Beauty Inc	0.01
SAP SE	0.01
Macy's Inc	0.01
Legal & General Group PLC	0.01
Henry Schein Inc	0.01
Puma SE	0.01
UPM-Kymmene OYJ	0.01
Glencore PLC	0.01
Broadcom Inc	0.01
American Airlines Group Inc	0.01
ICA Gruppen AB	0.01
Antofagasta PLC	0.01
PerkinElmer Inc	0.01
PNC Financial Services Group Inc	0.01
Walgreens Boots Alliance Inc	0.01
Cardinal Health Inc	0.01
Flight Centre Travel Group Ltd	0.01
Swedish Match AB	0.01
Danone SA	0.01
SSE PLC	0.01
Ramsay Health Care Ltd	0.01
DTE Energy Co	0.01
Incitec Pivot Ltd	0.01
AIA Group Ltd	0.01



Boral Ltd	0.01
Suncorp Group Ltd	0.01
Evonik Industries AG	0.01
Cadence Design Systems Inc	0.01
Stora Enso OYJ	0.01
Nissin Foods Holdings Co Ltd	0.01
Qorvo Inc	0.01
Exelon Corp	0.01
Everest Re Group Ltd	0.01
CMS Energy Corp	0.01
FleetCor Technologies Inc	0.01
Veolia Environnement SA	0.01
IDEXX Laboratories Inc	0.01
Mondi PLC	0.01
Telenor ASA	0.01
Tesco PLC	0.01
Cimarex Energy Co	0.01
London Stock Exchange Group PLC	0.01
NEC Corp	0.01
PACCAR Inc	0.01
Treasury Wine Estates Ltd	0.01
Chipotle Mexican Grill Inc	0.01
Concho Resources Inc	0.01
Rio Tinto Ltd	0.01
Vivendi SA	0.01
Baloise Holding AG	0.01
Allegion PLC	0.01
Gartner Inc	0.01
Total System Services Inc	0.01
Alimentation Couche-Tard Inc	0.01
Bouygues SA	0.01
Freeport-McMoRan Inc	0.01
Marathon Oil Corp	0.01
Stockland	0.01
Aena SME SA	0.01
Kikkoman Corp	0.01
AMETEK Inc	0.01
Woodside Petroleum Ltd	0.01
Tenaris SA	0.01
Canon Inc	0.01
Dassault Systemes SE	0.01
Shopify Inc	0.01
BHP Billiton Ltd	0.01
Aurizon Holdings Ltd	0.01
United Utilities Group PLC	0.01
Micron Technology Inc	0.01
Huntington Bancshares Inc/OH	0.01
Swire Pacific Ltd	0.01
Mohawk Industries Inc	0.01

Shinsei Bank Ltd	0.01
T Rowe Price Group Inc	0.01
Mebuki Financial Group Inc	0.01
Japan Exchange Group Inc	0.01
Husqvarna AB	0.01
Computershare Ltd	0.01
New World Development Co Ltd	0.01
Wharf Holdings Ltd	0.01
Meggitt PLC	0.01
International Paper Co	0.01
Discovery Inc	0.01
Melrose Industries PLC	0.01
PCCW Ltd	0.01
AO Smith Corp	0.01
Alumina Ltd	0.01
CK Hutchison Holdings Ltd	0.01
KLA-Tencor Corp	0.01
Sands China Ltd	0.01
Singapore Press Holdings Ltd	0.01
Oil Search Ltd	0.01
Raiffeisen Bank International AG	0.01
Fortescue Metals Group Ltd	0.01
Crown Resorts Ltd	0.01
Banco de Sabadell SA	0.01
CF Industries Holdings Inc	0.01
Barry Callebaut AG	0.01
Metso OYJ	0.01
DNB ASA	0.01
Texas Instruments Inc	0.01
Northern Trust Corp	0.01
Suez	0.01
Investec PLC	0.01
SNC-Lavalin Group Inc	0.01
Straumann Holding AG	0.01
Johnson Matthey PLC	0.01
Harvey Norman Holdings Ltd	0.01
IPG Photonics Corp	0.01
Imperial Brands PLC	0.01
Bank of Kyoto Ltd	0.01
Gjensidige Forsikring ASA	0.01
Power Corp of Canada	0.01
Quest Diagnostics Inc	0.01
Goodman Group	0.01
Ageas	0.01
Foot Locker Inc	0.01
Terna Rete Elettrica Nazionale SpA	0.01
Carrefour SA	0.01
Singapore Telecommunications Ltd	0.01
General Electric Co	0.01

KDDI Corp	0.01
Japan Post Bank Co Ltd	0.01
Copart Inc	0.01
Brambles Ltd	0.01
Mosaic Co	0.01
Chiba Bank Ltd	0.01
Origin Energy Ltd	0.01
Fukuoka Financial Group Inc	0.01
Dominion Energy Inc	0.01
Hologic Inc	0.01
American Express Co	0.01
Shizuoka Bank Ltd	0.01
Umicore SA	0.01
Roper Technologies Inc	0.01
Synchrony Financial	0.01
SL Green Realty Corp	0.01
MTU Aero Engines AG	0.01
Seven & i Holdings Co Ltd	0.01
Expedia Group Inc	0.01
Canadian Natural Resources Ltd	0.01
Yamaha Corp	0.01
Agnico Eagle Mines Ltd	0.01
National Grid PLC	0.01
Masco Corp	0.01
Yamazaki Baking Co Ltd	0.01
Suntory Beverage & Food Ltd	0.01
Air Products & Chemicals Inc	0.01
Yamaguchi Financial Group Inc	0.01
WPP PLC	0.01
Public Service Enterprise Group Inc	0.01
Bunzl PLC	0.01
Nippon Telegraph & Telephone Corp	0.01
MGM China Holdings Ltd	0.01
Anglo American PLC	0.01
Santos Ltd	0.01
Microsoft Corp	0.01
ASML Holding NV	0.01
Hong Kong & China Gas Co Ltd	0.01
Kakaku.com Inc	0.01
REA Group Ltd	0.01
Weyerhaeuser Co	0.01
Sydney Airport	0.01
Mylan NV	0.01
Lion Corp	0.01
Kering SA	0.01
Ferguson PLC	0.01
LafargeHolcim Ltd	0.01
Tiffany & Co	0.01
Alexion Pharmaceuticals Inc	0.01

Vulcan Materials Co	0.01
Hermes International	0.01
Bayer AG	0.01
James Hardie Industries PLC (CDI)	0.01
Abbott Laboratories	0.01
CSL Ltd	0.01
Fortis Inc/Canada	0.01
Kaneka Corp	0.01
Seven Bank Ltd	0.01
DeNA Co Ltd	0.01
NH Foods Ltd	0.01
Newell Brands Inc	0.00
Idemitsu Kosan Co Ltd	0.00
Beiersdorf AG	0.00
BHP Group PLC	0.00
Unilever PLC	0.00
TechnipFMC PLC	0.00
Prudential PLC	0.00
Coca-Cola HBC AG	0.00
ANA Holdings Inc	0.00
USS Co Ltd	0.00
LINE Corp	0.00
Nippon Paint Holdings Co Ltd	0.00
Royal Bank of Scotland Group PLC	0.00
Ubisoft Entertainment SA	0.00
Nissan Motor Co Ltd	0.00
Valeo SA	0.00
Rio Tinto PLC	0.00
Toho Co Ltd/Tokyo	0.00
United Continental Holdings Inc	0.00
Autodesk Inc	0.00
Commerzbank AG	0.00
Ajinomoto Co Inc	0.00
Toyota Tsusho Corp	0.00
Toyo Suisan Kaisha Ltd	0.00
Medtronic PLC	0.00
Kansas City Southern	0.00
Sundrug Co Ltd	0.00
Power Assets Holdings Ltd	0.00
Taiheiyo Cement Corp	0.00
Hitachi Metals Ltd	0.00
Taiyo Nippon Sanso Corp	0.00
Wells Fargo & Co	0.00
Stericycle Inc	0.00
Alliant Energy Corp	0.00
Daicel Corp	0.00
Calbee Inc	0.00
Pinnacle West Capital Corp	0.00
Aozora Bank Ltd	0.00

Mitsubishi Gas Chemical Co Inc	0.00
Becton Dickinson and Co	0.00
Sumitomo Dainippon Pharma Co Ltd	0.00
SBA Communications Corp	0.00
Sonova Holding AG	0.00
Remy Cointreau SA	0.00
Air Water Inc	0.00
Entergy Corp	0.00
JSR Corp	0.00
Xylem Inc/NY	0.00
BlueScope Steel Ltd	0.00
Hitachi Chemical Co Ltd	0.00
George Weston Ltd	0.00
Faurecia SA	0.00
Wirecard AG	0.00
Coles Group Ltd	0.00
Comerica Inc	0.00
Royal Caribbean Cruises Ltd	0.00
Industrivarden AB	0.00
SunTrust Banks Inc	0.00
Rolls-Royce Holdings PLC	0.00
Hakuhodo DY Holdings Inc	0.00
Electricite de France SA	0.00
Siemens Gamesa Renewable Energy SA	0.00
Sampo Oyj	0.00
Heineken NV	0.00
Assurant Inc	0.00
Uniper SE	0.00
AltaGas Ltd	0.00
SEEK Ltd	0.00
Ameren Corp	0.00
Baker Hughes a GE Co	0.00
Deere & Co	0.00
Fresenius Medical Care AG & Co KGaA	0.00
ArcelorMittal	0.00
Stanley Electric Co Ltd	0.00
Bankinter SA	0.00
Safran SA	0.00
Norsk Hydro ASA	0.00
Temenos AG	0.00
Coca-Cola Bottlers Japan Holdings Inc	0.00
Goldman Sachs Group Inc	0.00
Caterpillar Inc	0.00
RioCan Real Estate Investment Trust	0.00
Pola Orbis Holdings Inc	0.00
Teleperformance	0.00
Tosoh Corp	0.00
Telefonica Deutschland Holding AG	0.00
Concordia Financial Group Ltd	0.00

Advanced Micro Devices Inc	0.00
WellCare Health Plans Inc	0.00
Hang Lung Group Ltd	0.00
Equifax Inc	0.00
Crescent Point Energy Corp	0.00
Newfield Exploration Co	0.00
Carnival PLC	0.00
Mitsubishi UFJ Lease & Finance Co Ltd	0.00
Klepierre SA	0.00
Duke Realty Corp	0.00
Alfresa Holdings Corp	0.00
Archer-Daniels-Midland Co	0.00
G4S PLC	0.00
Expeditors International of Washington Inc	0.00
Millicom International Cellular SA (SDR)	0.00
Magna International Inc	0.00
HSBC Holdings PLC	0.00
Bank of New York Mellon Corp	0.00
McKesson Corp	0.00
Aegon NV	0.00
Fortum OYJ	0.00
Jardine Cycle & Carriage Ltd	0.00
JTEKT Corp	0.00
Regency Centers Corp	0.00
TransDigm Group Inc	0.00
Credit Suisse Group AG	0.00
Alexandria Real Estate Equities Inc	0.00
Mitsubishi Motors Corp	0.00
HCA Healthcare Inc	0.00
Colruyt SA	0.00
Moncler SpA	0.00
RWE AG	0.00
Aeon Co Ltd	0.00
Eversource Energy	0.00
Vornado Realty Trust	0.00
Nexon Co Ltd	0.00
Essex Property Trust Inc	0.00
Macquarie Group Ltd	0.00
Eurazeo SE	0.00
Albemarle Corp	0.00
AmerisourceBergen Corp	0.00
Pearson PLC	0.00
Medipal Holdings Corp	0.00
SVB Financial Group	0.00
Tokyo Tatemono Co Ltd	0.00
Deutsche Telekom AG	0.00
Tokyu Fudosan Holdings Corp	0.00
SES SA	0.00
Boston Properties Inc	0.00

Naturgy Energy Group SA	0.00
Microchip Technology Inc	0.00
Rexel SA	0.00
easyJet PLC	0.00
Getlink SE	0.00
Smiths Group PLC	0.00
Cenovus Energy Inc	0.00
Barclays PLC	0.00
Brighthouse Financial Inc	0.00
Yokohama Rubber Co Ltd	0.00
Wartsila OYJ Abp	0.00
Pernod Ricard SA	0.00
Enbridge Inc	0.00
OSRAM Licht AG	0.00
Yamaha Motor Co Ltd	0.00
NGK Spark Plug Co Ltd	0.00
Kyowa Hakko Kirin Co Ltd	0.00
Hang Lung Properties Ltd	0.00
Hargreaves Lansdown PLC	0.00
Unilever NV	0.00
Nomura Real Estate Holdings Inc	0.00
Partners Group Holding AG	0.00
Hongkong Land Holdings Ltd	0.00
Ashtead Group PLC	0.00
AEON Financial Service Co Ltd	0.00
Ross Stores Inc	0.00
Toyoda Gosei Co Ltd	0.00
Zalando SE	0.00
AGL Energy Ltd	0.00
Kansai Paint Co Ltd	0.00
Simon Property Group Inc	0.00
City Developments Ltd	0.00
GlaxoSmithKline PLC	0.00
Hulic Co Ltd	0.00
Tyson Foods Inc	0.00
CapitalLand Ltd	0.00
PG&E Corp	0.00
Mattel Inc	0.00
Melco Resorts & Entertainment Ltd (ADR)	0.00
Teck Resources Ltd	0.00
Aeon Mall Co Ltd	0.00
HUGO BOSS AG	0.00
DaVita Inc	0.00
TOTAL SA	0.00
Volvo AB	0.00
Iida Group Holdings Co Ltd	0.00
Iliad SA	0.00
CH Robinson Worldwide Inc	0.00
Nordstrom Inc	0.00

Tokyu Corp	0.00
Boeing Co	0.00
Teijin Ltd	0.00
Santen Pharmaceutical Co Ltd	0.00
Public Storage	0.00
Westpac Banking Corp	0.00
Koninklijke Vopak NV	0.00
BP PLC	0.00
Morgan Stanley	0.00
Telenet Group Holding NV	0.00
Mitsubishi Chemical Holdings Corp	0.00
Sekisui Chemical Co Ltd	0.00
CaixaBank SA	0.00
Rakuten Inc	0.00
Koninklijke DSM NV	0.00
State Street Corp	0.00
Keikyu Corp	0.00
Hammerson PLC	0.00
Sumitomo Corp	0.00
Astellas Pharma Inc	0.00
Mitsubishi Tanabe Pharma Corp	0.00
HeidelbergCement AG	0.00
Poste Italiane SpA	0.00
NOK Corp	0.00
LendLease Group	0.00
Sekisui House Ltd	0.00
Standard Chartered PLC	0.00
NGK Insulators Ltd	0.00
Peugeot SA	0.00
Regeneron Pharmaceuticals Inc	0.00
Takashimaya Co Ltd	0.00
Yue Yuen Industrial Holdings Ltd	0.00
Air Liquide SA	0.00
Asics Corp	0.00
Sega Sammy Holdings Inc	0.00
Natixis SA	0.00
DXC Technology Co	0.00
J Front Retailing Co Ltd	0.00
US Bancorp	0.00
Illumina Inc	0.00
Sumitomo Rubber Industries Ltd	0.00
Berkshire Hathaway Inc	0.00
BAE Systems PLC	0.00
JCDecaux SA	0.00
Chugoku Electric Power Co Inc	0.00
Intesa Sanpaolo SpA	0.00
METRO AG	0.00
Endesa SA	0.00
Bollere SA	0.00



United Rentals Inc	0.00
Covivio	0.00
Snap-on Inc	0.00
NTT Data Corp	0.00
Isetan Mitsukoshi Holdings Ltd	0.00
Equinix Inc	0.00
Enagas SA	0.00
Land Securities Group PLC	0.00
Southern Co	0.00
CBRE Group Inc	0.00
KION Group AG	0.00
Tele2 AB	0.00
Vonovia SE	0.00
Thales SA	0.00
Deutsche Bank AG	0.00
Legrand SA	0.00
Acom Co Ltd	0.00
Aurora Cannabis Inc	0.00
WH Group Ltd	0.00
Sumitomo Chemical Co Ltd	0.00
ABB Ltd	0.00
CIMIC Group Ltd	0.00
Mazda Motor Corp	0.00
American Water Works Co Inc	0.00
Crown Castle International Corp	0.00
ASM Pacific Technology Ltd	0.00
Hino Motors Ltd	0.00
Schaeffler AG	0.00
Deutsche Wohnen SE	0.00
FUCHS PETROLUB SE	0.00
Robert Half International Inc	0.00
Principal Financial Group Inc	0.00
DENTSPLY SIRONA Inc	0.00
Federal Realty Investment Trust	0.00
Bayerische Motoren Werke AG	0.00
Keppel Corp Ltd	0.00
Fresnillo PLC	0.00
Gecina SA	0.00
Swiss Prime Site AG	0.00
Aeroports de Paris	0.00
Nektar Therapeutics	0.00
Sembcorp Industries Ltd	0.00
Marubeni Corp	0.00
Alstom SA	0.00
Vifor Pharma AG	0.00
Severn Trent PLC	0.00
National Australia Bank Ltd	0.00
RTL Group SA	0.00
salesforce.com Inc	0.00

CYBERDYNE Inc	0.00
Sandvik AB	0.00
Experian PLC	0.00
South32 Ltd	0.00
Commonwealth Bank of Australia	0.00
Eaton Corp PLC	0.00
Wendel SA	0.00
Domino's Pizza Enterprises Ltd	0.00
Kone OYJ	0.00
Jefferies Financial Group Inc	0.00
Royal Mail PLC	0.00
Zions Bancorp NA	0.00
Schroders PLC	0.00
Henkel AG & Co KGaA	0.00
Weir Group PLC	0.00
International Consolidated Airlines Group SA	0.00
UOL Group Ltd	0.00
KBC Group NV	0.00
Resideo Technologies Inc	0.00
Cie de Saint-Gobain	0.00
AusNet Services	0.00
Alfa Laval AB	0.00
Publicis Groupe SA	0.00
CBOE VIX FUTURE Dec18	-0.24
Cash & Equivalents	29.41

Janus Henderson publishes this listing of securities held as of the most recently available disclosure period, which varies depending on the portfolio. Any portion of holdings may be excluded from publication when deemed in the best interest of the portfolio.

The allocations shown reflect delta-adjusted notional exposure for options (which accounts for sensitivity to the underlying asset price), notional exposure for other derivatives and market value for all other securities.

The portfolio data and its presentation here may differ from the complete schedules of investments in regulatory filings due to differing accounting and reporting requirements.

Holdings are subject to change without notice.