

Virtus Global Allocation Fund

Investments as of April 30, 2023  
(Unaudited)

Shares/Principal Amount	Security Description	Currency Code	Interest Rate	Maturity Date	Market Value	% of Fund
<b>Fixed Income</b>						
150,000	AERCAP IRELAND CAPITAL DAC / AERCAP GLOBAL AVIATION TRUST	USD	3.5	1/15/2025	143,706	0.06%
467,000	AERCAP IRELAND CAPITAL DAC / AERCAP GLOBAL AVIATION TRUST	USD	3	10/29/2028	406,579	0.17%
450,000	AIR LEASE CORP	USD	5.85	12/15/2027	455,358	0.19%
550,000	ALEXANDRIA REAL ESTATE EQUITIES INC	USD	2.95	3/15/2034	445,056	0.19%
86,000	AMERICAN AIRLINES INC	USD	11.75	7/15/2025	94,605	0.04%
150,000	AMERICAN AIRLINES INC/AADVANTAGE LOYALTY IP LTD	USD	5.5	4/20/2026	147,299	0.06%
105,000	AMERICAN EXPRESS CO	USD	8.15	3/19/2038	134,168	0.06%
560,000	AMERICAN EXPRESS CO	USD	4.05	5/3/2029	548,366	0.23%
285,000	AMERICAN WATER CAPITAL CORP	USD	4.45	6/1/2032	283,257	0.12%
325,000	AMGEN INC	USD	5.65	3/2/2053	336,684	0.14%
300,000	AMGEN INC	USD	5.15	3/2/2028	307,054	0.13%
82,000	AMGEN INC	USD	3	2/22/2029	76,120	0.03%
300,000	ARROW ELECTRONICS INC	USD	6.125	3/1/2026	300,219	0.13%
475,000	ASHTAD CAPITAL INC	USD	4	5/1/2028	445,661	0.19%
135,000	ATHENE GLOBAL FUNDING	USD	3.205	3/8/2027	123,245	0.05%
442,000	AUTODESK INC	USD	2.4	12/15/2031	370,704	0.16%
420,000	AVALONBAY COMMUNITIES INC	USD	1.9	12/1/2028	364,720	0.15%
255,000	BANK OF AMERICA CORP	USD	4.375	4/27/2172	217,388	0.09%
425,000	BANK OF AMERICA CORP	USD	2.456	10/22/2025	406,135	0.17%
359,000	BANK OF AMERICA CORP	USD	2.972	2/4/2033	303,063	0.13%
825,000	BARCLAYS PLC	USD	7.437	11/2/2033	908,562	0.38%
200,000	BNP PARIBAS SA	USD	1.675	6/30/2027	178,672	0.07%
500,000	BOSTON PROPERTIES LP	USD	3.4	6/21/2029	424,300	0.18%
112,000	BP CAPITAL MARKETS AMERICA INC	USD	3.06	6/17/2041	87,340	0.04%
500,000	BPCE SA	USD	5.975	1/18/2027	503,949	0.21%
377,000	BROADCOM INC	USD	3.137	11/15/2035	291,858	0.12%
1,000,000	BX TRUST 2023-LIFE	USD	5.0453	2/3/2028	978,925	0.41%
49,663	CARMAX AUTO OWNER TRUST 2020-2	USD	1.7	11/15/2024	49,567	0.02%
308,000	CENTENE CORP	USD	2.45	7/15/2028	267,660	0.11%
1,100,000	CITIGROUP INC	USD	1.281	11/3/2025	1,032,563	0.43%
750,000	COOPERATIEVE RABOBANK UA	USD	1.106	2/24/2027	666,381	0.28%
285,000	CVS HEALTH CORP	USD	2.7	8/21/2040	204,141	0.09%
250,000	CVS HEALTH CORP	USD	5.125	2/21/2030	254,327	0.11%
330,000	DELL EQUIPMENT FINANCE TRUST 2021-2	USD	0.53	12/22/2026	319,807	0.13%
113,000	DELTA AIR LINES INC / SKYMILES IP LTD	USD	4.75	10/20/2028	109,735	0.05%
400,000	DEUTSCHE BANK AG	USD	6	4/30/2172	297,960	0.12%
325,000	DISCOVER FINANCIAL SERVICES	USD	6.7	11/29/2032	343,877	0.14%
190,000	DISCOVER FINANCIAL SERVICES	USD	4.1	2/9/2027	180,877	0.08%
120,000	DTE ELECTRIC CO	USD	4.05	5/15/2048	103,096	0.04%
250,000	DUKE ENERGY FLORIDA LLC	USD	2.4	12/15/2031	211,552	0.09%
143,000	DUKE ENERGY FLORIDA LLC	USD	2.5	12/1/2029	126,904	0.05%
330,000	DUKE ENERGY PROGRESS LLC	USD	3.45	3/15/2029	312,377	0.13%
650,000	ELEVANCE HEALTH INC	USD	4.9	2/8/2026	648,761	0.27%
575,000	ENEL FINANCE INTERNATIONAL NV	USD	5.5	6/15/2052	522,044	0.22%
100,000	ENERGY TRANSFER LP	USD	6	6/15/2048	95,498	0.04%
150,000	ENERGY TRANSFER LP	USD	6.5	2/1/2042	155,978	0.07%
215,000	ENERGY TRANSFER LP	USD	7.125	5/15/2171	181,138	0.08%
370,000	EQT CORP	USD	3.125	5/15/2026	343,628	0.14%
450,000	EVERSOURCE ENERGY	USD	4.2	6/27/2024	444,467	0.19%
1,000,000	FANNIE MAE-ACES	USD	1.28699	1/1/2031	812,934	0.34%
1,000,000	FANNIE MAE-ACES	USD	1.42138	3/1/2031	816,145	0.34%
1,000,000	FANNIE MAE-ACES	USD	1.867562	10/1/2031	836,400	0.35%
2,000,000	FANNIE MAE-ACES	USD	1.429163	12/1/2030	1,649,708	0.69%
525,000	FIFTH THIRD BANCORP	USD	1.707	11/1/2027	455,454	0.19%
1,612,101	FLATIRON CLO 17 LTD	USD	5.84357	5/15/2030	1,597,269	0.67%
215,000	FORD MOTOR CREDIT CO LLC	USD	4.687	6/9/2025	207,846	0.09%
920,745	FREDDIE MAC MULTICLASS CERTIFICATES SERIES 2021-P009	USD	1.878	1/1/2031	784,710	0.33%
575,000	GATX CORP	USD	1.9	6/1/2031	452,674	0.19%
1,011,998	GINNIE MAE II POOL	USD	2	11/1/2050	846,391	0.35%
1,812,824	GINNIE MAE II POOL	USD	2	5/1/2051	1,556,226	0.65%
4,326,407	GINNIE MAE II POOL	USD	2.5	8/1/2050	3,807,302	1.59%
4,763,846	GINNIE MAE II POOL	USD	3	2/1/2052	4,319,903	1.81%
695,435	GINNIE MAE II POOL	USD	3	2/1/2048	621,315	0.26%
1,547,898	GINNIE MAE II POOL	USD	3	11/1/2048	1,424,063	0.60%
755,000	GLOBAL ATLANTIC FIN CO	USD	3.125	6/15/2031	585,043	0.24%
165,992	GM FINANCIAL AUTOMOBILE LEASING TRUST 2021-2	USD	0.34	5/20/2024	165,028	0.07%
730,000	GOLDMAN SACHS GROUP INC/THE	USD	0.855	2/12/2026	669,962	0.28%
1,250,000	GRACE TRUST 2020-GRCE	USD	2.347	12/1/2040	981,240	0.41%
250,000	HALEON US CAPITAL LLC	USD	3.375	3/24/2027	238,662	0.10%
1,500,000	HERTZ VEHICLE FINANCING III LLC	USD	5.49	6/25/2027	1,515,932	0.63%
650,000	HSBC HOLDINGS PLC	USD	6.254	3/9/2034	677,312	0.28%

220,000	HUNTINGTON CAPITAL TRUST I	USD	5.99914	2/1/2027	200,368	0.08%
2,000,000	INTERNATIONAL BANK FOR RECONSTRUCTION & DEVELOPMENT	USD	5.05297	2/11/2031	1,978,257	0.83%
395,000	INVITATION HOMES OPERATING PARTNERSHIP LP	USD	2.3	11/15/2028	335,934	0.14%
300,000,000	JAPAN GOVERNMENT THIRTY YEAR BOND	JPY	1.4	9/20/2052	2,259,121	0.95%
135,000	JPMORGAN CHASE & CO	USD	3.328	4/22/2052	100,797	0.04%
520,000	JPMORGAN CHASE & CO	USD	5.76357	2/2/2037	436,874	0.18%
500,000	KENVUE INC	USD	5	3/22/2030	518,505	0.22%
507,000	KIMCO REALTY OP LLC	USD	2.7	10/1/2030	425,357	0.18%
1,500,000	KREDITANSTALT FUER WIEDERAUFBAU	USD	1	10/1/2026	1,369,087	0.57%
425,000	LEIDOS INC	USD	5.75	3/15/2033	434,654	0.18%
345,000	MASSACHUSETTS MUTUAL LIFE INSURANCE CO	USD	5.077	2/15/2069	311,415	0.13%
400,000	MERCEDES-BENZ FINANCE NORTH AMERICA LLC	USD	5.375	11/26/2025	406,018	0.17%
50,000	MIDAMERICAN ENERGY CO	USD	4.25	7/15/2049	45,041	0.02%
408,000	MILEAGE PLUS HOLDINGS LLC / MILEAGE PLUS INTELLECTUAL PROPERTY ASSETS LTD	USD	6.5	6/20/2027	407,347	0.17%
125,000	MORGAN STANLEY	USD	5.164	4/20/2029	125,901	0.05%
560,000	MORGAN STANLEY	USD	0.864	10/21/2025	520,949	0.22%
250,000	MORGAN STANLEY	USD	4.21	4/20/2028	242,368	0.10%
435,000	NATWEST GROUP PLC	USD	2.359	5/22/2024	434,026	0.18%
87,000	NETFLIX INC	USD	5.875	11/15/2028	91,402	0.04%
275,000	NETFLIX INC	USD	4.875	4/15/2028	276,715	0.12%
255,000	NEW YORK STATE ELECTRIC & GAS CORP	USD	2.15	10/1/2031	206,593	0.09%
240,000	NIAGARA MOHAWK POWER CORP	USD	1.96	6/27/2030	197,050	0.08%
109,000	NORTHERN NATURAL GAS CO	USD	3.4	10/16/2051	78,231	0.03%
690,000	NORTHERN STATES POWER CO/MN	USD	4.5	6/1/2052	648,166	0.27%
660,000	NXP BV / NXP FUNDING LLC / NXP USA INC	USD	2.5	5/11/2031	544,005	0.23%
1,500,000	ONE BRYANT PARK TRUST 2019-OBP	USD	2.51641	9/1/2054	1,244,230	0.52%
500,000	ONEMAIN FINANCIAL ISSUANCE TRUST 2021-1	USD	1.55	6/16/2036	440,171	0.18%
1,000,000	ONEMAIN FINANCIAL ISSUANCE TRUST 2022-51	USD	4.13	5/14/2035	972,177	0.41%
500,000	ORACLE CORP	USD	5.55	2/6/2053	480,368	0.20%
30,000	PACIFICORP	USD	2.9	6/15/2052	20,922	0.01%
650,000	PACIFICORP	USD	5.35	12/1/2053	676,722	0.28%
345,000	PARAMOUNT GLOBAL	USD	6.375	3/30/2062	295,927	0.12%
327,000	PENNSYLVANIA ELECTRIC CO	USD	4.15	4/15/2025	318,062	0.13%
200,000	PEPSICO INC	USD	2.875	10/15/2049	153,258	0.06%
400,000	PEPSICO INC	USD	3.9	7/18/2032	393,853	0.16%
175,000	PLAINS ALL AMERICAN PIPELINE LP	USD	8.97357	11/15/2171	154,000	0.06%
240,000	PNC FINANCIAL SERVICES GROUP INC/THE	USD	6	8/15/2171	222,600	0.09%
340,000	POPULAR INC	USD	6.125	9/14/2023	336,600	0.14%
675,000	REGAL REYNORD CORP	USD	6.05	4/15/2028	681,410	0.29%
1,500,000	SLG OFFICE TRUST 2021-OVA	USD	2.5854	7/1/2041	1,219,507	0.51%
525,000	SOUTHERN CALIFORNIA EDISON CO	USD	2.75	2/1/2032	453,169	0.19%
200,000	SPRINT CAPITAL CORP	USD	6.875	11/15/2028	215,616	0.09%
428,000	SUMITOMO MITSUI FINANCIAL GROUP INC	USD	0.508	1/12/2024	414,010	0.17%
190,000	SUZANO AUSTRIA GMBH	USD	3.75	1/15/2031	160,360	0.07%
375,000	SYNCHRONY FINANCIAL	USD	4.375	3/19/2024	367,089	0.15%
550,000	TAPESTRY INC	USD	3.05	3/15/2032	455,470	0.19%
285,000	TARGA RESOURCES PARTNERS LP / TARGA RESOURCES PARTNERS FINANCE CORP	USD	5.5	3/1/2030	277,641	0.12%
152,000	TARGA RESOURCES PARTNERS LP / TARGA RESOURCES PARTNERS FINANCE CORP	USD	6.875	1/15/2029	155,237	0.06%
775,000	TENNESSEE VALLEY AUTHORITY	USD	1.5	9/15/2031	641,091	0.27%
737,222	TESLA AUTO LEASE TRUST 2021-A	USD	0.56	3/20/2025	726,176	0.30%
700,000	T-MOBILE USA INC	USD	3.875	4/15/2030	659,086	0.28%
798,149	TOYOTA AUTO RECEIVABLES 2021-B OWNER TRUST	USD	0.26	11/17/2025	770,698	0.32%
400,000	TRUIST FINANCIAL CORP	USD	1.267	3/2/2027	354,519	0.15%
201,000	UNITED AIRLINES INC	USD	4.625	4/15/2029	181,910	0.08%
1,215,285	UNITED STATES SMALL BUSINESS ADMINISTRATION	USD	2.88	5/1/2037	1,139,237	0.48%
1,274,349	UNITED STATES SMALL BUSINESS ADMINISTRATION	USD	1.21	12/1/2045	1,030,955	0.43%
1,734,495	UNITED STATES SMALL BUSINESS ADMINISTRATION	USD	1.03	7/1/2040	1,450,660	0.61%
2,691,998	UNITED STATES SMALL BUSINESS ADMINISTRATION	USD	1.28	1/1/2046	2,184,463	0.91%
546,663	UNITED STATES SMALL BUSINESS ADMINISTRATION	USD	1.34	2/1/2046	444,669	0.19%
231,995	UNITED STATES SMALL BUSINESS ADMINISTRATION	USD	1.56	9/1/2046	191,131	0.08%
2,546,000	UNITED STATES TREASURY NOTE/BOND	USD	3.25	5/15/2042	2,357,536	0.99%
4,339,000	UNITED STATES TREASURY NOTE/BOND	USD	2.25	2/15/2052	3,237,809	1.36%
400,000	UNITED STATES TREASURY NOTE/BOND	USD	0.375	4/15/2024	383,469	0.16%
3,799,000	UNITED STATES TREASURY NOTE/BOND	USD	2.875	5/15/2032	3,636,059	1.52%
5,025,000	UNITED STATES TREASURY NOTE/BOND	USD	2.625	5/31/2027	4,840,488	2.03%
1,220,000	VENTURE 42 CLO LTD	USD	6.39029	4/15/2034	1,183,400	0.50%
500,000	VERIZON MASTER TRUST	USD	0.5	5/20/2027	475,541	0.20%
470,000	VIRGINIA ELECTRIC AND POWER CO	USD	3.8	4/1/2028	457,723	0.19%
510,000	WARNERMEDIA HOLDINGS INC	USD	5.05	3/15/2042	421,821	0.18%
360,000	WELLS FARGO & CO	USD	3.35	3/2/2033	314,229	0.13%
625,000	WELLS FARGO & CO	USD	2.879	10/30/2030	547,018	0.23%
133,000	WISCONSIN PUBLIC SERVICE CORP	USD	2.85	12/1/2051	90,965	0.04%

## Fixed Income Total

91,600,082

38.35%

## Common Stock

23,500	3SBIO INC	HKD	23,546	0.01%
6,999	ABB LTD	CHF	251,505	0.11%
1,637	ABBOTT LABORATORIES	USD	180,839	0.08%
1,145	ABBVIE INC	USD	173,032	0.07%
323	ACCENTURE PLC	USD	90,534	0.04%
351	ACKERMANS & VAN HAAREN NV	EUR	61,728	0.03%
1,278	ACTIVISION BLIZZARD INC	USD	99,313	0.04%
1,089	AIR PRODUCTS AND CHEMICALS INC	USD	320,558	0.13%
1,319	ALBEMARLE CORP	USD	244,622	0.10%
1,031	ALPHABET INC	USD	110,668	0.05%
438	AMAZON.COM INC	USD	46,187	0.02%
1,081	AMEREN CORP	USD	96,177	0.04%
2,067	AMERICAN ELECTRIC POWER CO INC	USD	191,032	0.08%
1,196	AMGEN INC	USD	286,729	0.12%
57,700	AMMB HOLDINGS BHD	MYR	46,793	0.02%
27,811	ANADOLU EFES BIRACILIK VE MALT SANAYII AS	TRY	90,003	0.04%
3,902	APPLE INC	USD	662,091	0.28%
9,862	ASE TECHNOLOGY HOLDING CO LTD	USD	67,653	0.03%
3,074	ASSICURAZIONI GENERALI SPA	EUR	63,951	0.03%
473,600	ASTRA INTERNATIONAL TBK PT	IDR	218,457	0.09%
6,455	AT&T INC	USD	114,060	0.05%
470	AUTOMATIC DATA PROCESSING INC	USD	103,400	0.04%
76	AUTOZONE INC	USD	202,412	0.08%
8,120	BAKER HUGHES CO	USD	237,429	0.10%
6,472	BANK HAPQALIM BM	ILS	55,227	0.02%
9,182	BANK LEUMI LE-ISRAEL BM	ILS	72,052	0.03%
1,761,600	BANK MANDIRI PERSERO TBK PT	IDR	622,726	0.26%
142,300	BANK OF BEIJING CO LTD	CNY	97,458	0.04%
395,000	BANK OF CHINA LTD	HKD	157,746	0.07%
47,448	BDO UNIBANK INC	PHP	123,675	0.05%
259	BECTON DICKINSON & CO	USD	68,456	0.03%
12,608	BLOOM ENERGY CORP	USD	209,923	0.09%
45,500	BOC HONG KONG HOLDINGS LTD	HKD	143,631	0.06%
875	BOOZ ALLEN HAMILTON HOLDING CORP	USD	83,755	0.04%
2,148	BRISTOL-MYERS SQUIBB CO	USD	143,422	0.06%
27,700	BUMRUNGRAD HOSPITAL PCL	THB	193,445	0.08%
2,336	BUNGE LTD	USD	218,650	0.09%
2,863	CADENCE DESIGN SYSTEMS INC	USD	599,655	0.25%
961	CAMPBELL SOUP CO	USD	52,182	0.02%
2,400	CANON MARKETING JAPAN INC	JPY	60,007	0.03%
2,271	CARREFOUR SA	EUR	47,196	0.02%
5,052	CARRIER GLOBAL CORP	USD	211,275	0.09%
1,599	CHART INDUSTRIES INC	USD	212,827	0.09%
1,839	CHENIERE ENERGY INC	USD	281,367	0.12%
154,000	CHINA CONSTRUCTION BANK CORP	HKD	102,953	0.04%
1,683	CHUBB LTD	USD	339,225	0.14%
660	CIE GENERALE DES ETABLISSEMENTS MICHELIN SCA	EUR	20,967	0.01%
2,378	CIGNA GROUP/THE	USD	602,324	0.25%
6,543	CISCO SYSTEMS INC	USD	309,157	0.13%
1,768	CMS ENERGY CORP	USD	110,076	0.05%
2,108	COCA-COLA CO/THE	USD	135,228	0.06%
2,999	COCA-COLA ICECEK AS	TRY	36,309	0.02%
17,194	CONAGRA BRANDS INC	USD	652,684	0.27%
400,000	CONCORD NEW ENERGY GROUP LTD	HKD	35,728	0.01%
1,824	CONSOLIDATED EDISON INC	USD	179,609	0.08%
600	COSMO ENERGY HOLDINGS CO LTD	JPY	19,181	0.01%
121,000	CTBC FINANCIAL HOLDING CO LTD	TWD	89,194	0.04%
326	CVS HEALTH CORP	USD	23,899	0.01%
6,100	DAICEL CORP	JPY	48,092	0.02%
1,300	DAIKIN INDUSTRIES LTD	JPY	236,120	0.10%
1,086	DB INSURANCE CO LTD	KRW	68,268	0.03%
33,000	DELTA ELECTRONICS INC	TWD	323,267	0.14%
728	DESCARTES SYSTEMS GROUP INC/THE	CAD	57,688	0.02%
15,201	DEUTSCHE TELEKOM AG	EUR	366,490	0.15%
33,000	DIGITAL CHINA HOLDINGS LTD	HKD	13,709	0.01%
2,546	DOMINION ENERGY INC	USD	145,478	0.06%
2,104	DUKE ENERGY CORP	USD	208,044	0.09%
8,500	DUNDEE PRECIOUS METALS INC	CAD	62,361	0.03%
1,200	ELECTRIC POWER DEVELOPMENT CO LTD	JPY	19,188	0.01%
2,239	ELISA OYJ	EUR	138,950	0.06%
1,578	ENPHASE ENERGY INC	USD	259,108	0.11%

1,443	EVERGY INC	USD	89,625	0.04%
8,989	FIRST QUANTUM MINERALS LTD	CAD	218,414	0.09%
2,000	FIRSTENERGY CORP	USD	79,600	0.03%
1,975	FLOWERS FOODS INC	USD	54,332	0.02%
80,000	FUFENG GROUP LTD	HKD	48,489	0.02%
1,379	FUJIFILM HOLDINGS CORP	JPY	71,873	0.03%
608	GALENICA AG	CHF	54,382	0.02%
1,055	GENERAC HOLDINGS INC	USD	107,842	0.05%
9,677	GENERAL MILLS INC	USD	857,673	0.36%
10,649	GENWORTH FINANCIAL INC	USD	61,871	0.03%
5,776	GILEAD SCIENCES INC	USD	474,845	0.20%
6,211	HANNON ARMSTRONG SUSTAINABLE INFRASTRUCTURE CAPITAL INC	USD	176,268	0.07%
3,000	HASEKO CORP	JPY	36,625	0.02%
1,228	HAWAIIAN ELECTRIC INDUSTRIES INC	USD	48,150	0.02%
5,803	HDFC BANK LTD	USD	405,049	0.17%
3,017	HERSHEY CO/THE	USD	823,822	0.34%
3,121	HOLOGIC INC	USD	268,437	0.11%
671	HOME DEPOT INC/THE	USD	201,662	0.08%
813	HUMANA INC	USD	431,288	0.18%
1,980	HYUNDAI MARINE & FIRE INSURANCE CO LTD	KRW	55,626	0.02%
3,398	IBERDROLA SA	EUR	44,107	0.02%
2,203	ICICI BANK LTD	USD	50,118	0.02%
57,800	INDOFOOD CBP SUKSES MAKMUR TBK PT	IDR	41,734	0.02%
4,251	INGERSOLL RAND INC	USD	242,392	0.10%
2,940	INTERNATIONAL BUSINESS MACHINES CORP	USD	371,645	0.16%
212	INTUIT INC	USD	94,117	0.04%
5,900	ITOCU CORP	JPY	195,732	0.08%
15,000	JAPAN POST BANK CO LTD	JPY	119,784	0.05%
12,500	JAPAN POST HOLDINGS CO LTD	JPY	102,899	0.04%
634	JOHNSON & JOHNSON	USD	103,786	0.04%
3,687	JOHNSON CONTROLS INTERNATIONAL PLC	USD	220,630	0.09%
2,200	KAMIGUMI CO LTD	JPY	48,215	0.02%
4,400	KDDI CORP	JPY	137,360	0.06%
2,077	KELLOGG CO	USD	144,912	0.06%
2,560	KESKO OYJ	EUR	53,328	0.02%
2,300	KINTETSU GROUP HOLDINGS CO LTD	JPY	77,642	0.03%
6,488	KONINKLIJKE AHOLD DELHAIZE NV	EUR	223,196	0.09%
20,862	KONINKLIJKE KPN NV	EUR	76,067	0.03%
7,400	KUALA LUMPUR KEPONG BHD	MYR	35,743	0.01%
506	KUEHNE + NAGEL INTERNATIONAL AG	CHF	149,391	0.06%
262,000	KUNLUN ENERGY CO LTD	HKD	242,876	0.10%
450	LANDIS+GYR GROUP AG	CHF	37,053	0.02%
854	LENNOX INTERNATIONAL INC	USD	240,751	0.10%
68,000	LENOVO GROUP LTD	HKD	69,569	0.03%
789	LINDE PLC	USD	291,496	0.12%
39,000	LITE-ON TECHNOLOGY CORP	TWD	93,425	0.04%
1,790	LOBLAW COS LTD	CAD	168,358	0.07%
499	MARSH & MCLENNAN COS INC	USD	89,915	0.04%
492	MCDONALD'S CORP	USD	145,509	0.06%
7,265	MERCK & CO INC	USD	838,890	0.35%
298	MERCK KGAA	EUR	53,376	0.02%
952	MICROSOFT CORP	USD	292,512	0.12%
3,700	MITSUBI & CO LTD	JPY	115,509	0.05%
893	MOLINA HEALTHCARE INC	USD	266,016	0.11%
2,000	MONDELEZ INTERNATIONAL INC	USD	153,440	0.06%
277	MOTOROLA SOLUTIONS INC	USD	80,718	0.03%
7,585	NATIONAL GRID PLC	GBP	109,099	0.05%
1,716	NESTLE SA	CHF	219,854	0.09%
3,102	NEXTERA ENERGY INC	USD	237,706	0.10%
9,788	NIPPON TELEGRAPH & TELEPHONE CORP	JPY	298,671	0.13%
2,113	NISOURCE INC	USD	60,136	0.03%
700	NISSIN FOODS HOLDINGS CO LTD	JPY	67,488	0.03%
900	NITERRA CO LTD	JPY	18,864	0.01%
6,109	NOKIA OYJ	EUR	25,862	0.01%
30,276	NORSK HYDRO ASA	NOK	222,218	0.09%
1,038	NORTHWEST NATURAL HOLDING CO	USD	48,744	0.02%
6,577	NOS SGPS SA	EUR	28,902	0.01%
1,708	NOVARTIS AG	CHF	174,134	0.07%
705	NOVO NORDISK A/S	DKK	117,206	0.05%
1,408	OMNICOM GROUP INC	USD	127,523	0.05%
5,200	ONO PHARMACEUTICAL CO LTD	JPY	104,703	0.04%
2,653	ORACLE CORP	USD	251,292	0.11%
16,269	ORANGE SA	EUR	211,823	0.09%
262	O'REILLY AUTOMOTIVE INC	USD	240,335	0.10%
11,000	ORIENT OVERSEAS INTERNATIONAL LTD	HKD	223,489	0.09%
7,000	OSAKA GAS CO LTD	JPY	115,788	0.05%

1,000	OSAKA SODA CO LTD	JPY	32,346	0.01%
1,600	OVERSEA-CHINESE BANKING CORP LTD	SGD	15,137	0.01%
919	PEPSICO INC	USD	175,428	0.07%
220,000	PETROCHINA CO LTD	HKD	152,820	0.06%
4,017	PFIZER INC	USD	156,221	0.07%
11,343	PLUG POWER INC	USD	102,427	0.04%
1,264	PLUS500 LTD	GBP	26,449	0.01%
66,000	POSTAL SAVINGS BANK OF CHINA CO LTD	HKD	43,032	0.02%
14,000	POWER ASSETS HOLDINGS LTD	HKD	80,000	0.03%
6,400	PPB GROUP BHD	MYR	23,334	0.01%
1,431	PREMIER INC	USD	47,695	0.02%
509	QUALCOMM INC	USD	59,451	0.02%
72,000	QUANTA COMPUTER INC	TWD	201,604	0.08%
482	QUEST DIAGNOSTICS INC	USD	66,906	0.03%
601	REGENERON PHARMACEUTICALS INC	USD	481,876	0.20%
2,011	REPSOL SA	EUR	29,571	0.01%
10,149	REXEL SA	EUR	234,847	0.10%
39,200	RHB BANK BHD	MYR	48,219	0.02%
612	ROCHE HOLDING AG	CHF	191,950	0.08%
41	ROPER TECHNOLOGIES INC	USD	18,646	0.01%
412	SAMSUNG FIRE & MARINE INSURANCE CO LTD	KRW	69,309	0.03%
1,217	SANOFI	EUR	134,101	0.06%
6,416	SCHLUMBERGER NV	USD	316,630	0.13%
3,200	SEKISUI HOUSE LTD	JPY	65,788	0.03%
600	SHIMAMURA CO LTD	JPY	55,083	0.02%
6,294	SIGNIFY NV	EUR	209,517	0.09%
77,400	SINO GRANDNESS FOOD INDUSTRY GROUP LTD	SGD	0	0.00%
3,361	SOCIEDAD QUIMICA Y MINERA DE CHILE SA	USD	226,800	0.09%
16,300	SOFTBANK CORP	JPY	183,519	0.08%
3,400	SOJITZ CORP	JPY	71,609	0.03%
173	SOLAR A/S	DKK	14,143	0.01%
1,030	SOLAREEDGE TECHNOLOGIES INC	USD	294,199	0.12%
600	SQUARE ENIX HOLDINGS CO LTD	JPY	29,525	0.01%
4,200	SUMITOMO CORP	JPY	75,276	0.03%
2,100	SUMITOMO MITSUI TRUST HOLDINGS INC	JPY	75,700	0.03%
8,486	SUNNOVA ENERGY INTERNATIONAL INC	USD	152,409	0.06%
6,149	SUNRUN INC	USD	129,375	0.05%
2,800	SUNTORY BEVERAGE & FOOD LTD	JPY	105,407	0.04%
43,800	SWIRE PROPERTIES LTD	HKD	117,723	0.05%
132	SWISSCOM AG	CHF	90,525	0.04%
596	TAIWAN SEMICONDUCTOR MANUFACTURING CO LTD	USD	50,243	0.02%
5,000	TAKASHIMAYA CO LTD	JPY	73,862	0.03%
542	TAKE-TWO INTERACTIVE SOFTWARE INC	USD	67,365	0.03%
30,022	TELEFONICA DEUTSCHLAND HOLDING AG	EUR	101,394	0.04%
11,100	TISCO FINANCIAL GROUP PCL	THB	29,370	0.01%
507	TMX GROUP LTD	CAD	51,349	0.02%
13,000	TOKYO GAS CO LTD	JPY	266,279	0.11%
1,282	TRANE TECHNOLOGIES PLC	USD	238,208	0.10%
33,834	TURKCELL ILETISIM HIZMETLERI AS	TRY	57,574	0.02%
55,000	UNITED MICROELECTRONICS CORP	TWD	88,460	0.04%
93,700	UNITED TRACTORS TBK PT	IDR	184,971	0.08%
243	UNITEDHEALTH GROUP INC	USD	119,578	0.05%
2,362	VALERO ENERGY CORP	USD	270,851	0.11%
10,100	VESTAS WIND SYSTEMS A/S	DKK	278,401	0.12%
1,168	VISA INC	USD	271,829	0.11%
2,191	WALMART INC	USD	330,775	0.14%
1,237	WASTE CONNECTIONS INC	USD	172,129	0.07%
1,097	WASTE MANAGEMENT INC	USD	182,157	0.08%
1,697	WEC ENERGY GROUP INC	USD	163,200	0.07%
127,000	WH GROUP LTD	HKD	70,706	0.03%
202	WILLIS TOWERS WATSON PLC	USD	46,783	0.02%
8,700	WILMAR INTERNATIONAL LTD	SGD	25,697	0.01%
3,000	YAMAHA MOTOR CO LTD	JPY	77,794	0.03%
1,800	YAMATO KOGYO CO LTD	JPY	70,717	0.03%
30,900	YUANTA FINANCIAL HOLDING CO LTD	TWD	22,746	0.01%
		<b>Common Stock Total</b>	<b>33,339,649</b>	<b>13.96%</b>
<b>Preferred Stock</b>				
36,400	PETROLEO BRASILEIRO SA	BRL	172,593	0.07%
		<b>Preferred Stock Total</b>	<b>172,593</b>	<b>0.07%</b>
<b>Open-End Funds</b>				
82,681	ISHARES ESG AWARE MSCI USA ETF	USD	7,567,792	3.17%

	36,917	ISHARES INC ISHARES ESG AWARE MSCI EM ETF	USD		1,148,488	0.48%
	53,959	ISHARES TRUST ISHARES ESG AWARE MSCI EAFE ETF	USD		3,981,635	1.67%
	387,463	VIRTUS DUFF & PHELPS WATER FUND	USD		7,032,449	2.94%
	3,287,132	VIRTUS NFJ GLOBAL SUSTAINABILITY FUND	USD		52,889,957	22.14%
				<b>Open-End Funds Total</b>	<b>72,620,320</b>	<b>30.40%</b>
<b>Short-Term Investments</b>	25,832,440	BLCKRCK LIQ FDFND-INST	USD	4.743321	25,832,440	10.81%
				<b>Short-Term Investments Total</b>	<b>25,832,440</b>	<b>10.81%</b>
				<b>Total Investments</b>	<b>223,565,084</b>	<b>93.60%</b>
				<b>Other Assets and Liabilities</b>	<b>15,296,158</b>	<b>6.40%</b>
				<b>Total Net Assets</b>	<b>238,861,242</b>	<b>100.00%</b>

**Futures Contracts**

Contract Description	Long/ (Short)	Expiration Date	Contract Currency	Number of Contracts	Notional Value	Unrealized Appreciation (Depreciation)
CAN 10YR BOND FUT JUN23	L	6/21/2023	CAD	14	1,302,816	4,461
US 5YR NOTE (CBT) JUN23	L	6/30/2023	USD	46	5,048,141	113,683
US 2YR NOTE (CBT) JUN23	L	6/30/2023	USD	37	7,628,070	73,176
US LONG BOND(CBT) JUN23	L	6/21/2023	USD	19	2,501,469	113,945
US ULTRA BOND CBT JUN23	L	6/21/2023	USD	72	10,181,250	(38,944)
AUST 10Y BOND FUT JUN23	L	6/15/2023	AUD	12	972,351	(5,933)
SPI 200 FUTURES JUN23	L	6/15/2023	AUD	6	726,348	3,919
FTSE 100 IDX FUT JUN23	L	6/16/2023	GBP	9	889,308	4,214
S&P/TSX 60 IX FUT JUN23	L	6/15/2023	CAD	3	552,903	3,490
DAX MINI FUTURE JUN23	L	6/16/2023	EUR	17	1,500,645	41,960
FTSE/MIB IDX FUT JUN23	L	6/16/2023	EUR	3	444,650	12,613
FTSE/ISE TOP 40 JUN23	L	6/15/2023	ZAR	26	1,041,023	29,112
XAF FINANCIAL JUN23	L	6/16/2023	USD	35	3,593,625	111,097
XAV HEALTH CARE JUN23	L	6/16/2023	USD	36	4,877,640	269,851
MSCI EMGMKT JUN23	L	6/16/2023	USD	102	5,019,420	185,764
MSCI EAFE JUN23	L	6/16/2023	USD	95	10,210,600	815,837
EMINI S&P500 ESG JUN23	L	6/16/2023	USD	144	26,606,880	1,821,125
MINI BOVESPA FUT JUN23	L	6/14/2023	BRL	1	4,240	52
EURO STOXX BANK JUN23	L	6/16/2023	EUR	600	3,353,633	(138,955)
IBEX 35 INDX FUTR MAY23	L	5/19/2023	EUR	6	610,761	(12,991)
TPX BANKS INDEX JUN23	L	6/8/2023	JPY	240	3,426,181	(30,862)
BIST 30 FUTURES JUN23	L	6/26/2023	TRY	88	252,262	(5,447)
E-MINI RUSS 2000 JUN23	L	6/16/2023	USD	27	2,395,980	(24,395)
FTSE TAIWAN INDEX MAY23	L	5/30/2023	USD	16	868,320	11,296
FTSE CHINA A50 MAY23	L	5/30/2023	USD	26	343,096	5,301
BP CURRENCY FUT JUN23	L	6/16/2023	USD	59	4,638,506	118,448
EURO FX CURR FUT JUN23	L	6/16/2023	USD	42	5,800,463	161,660
JPN YEN CURR FUT JUN23	L	6/16/2023	USD	23	2,125,919	(54,958)
NEW ZEALAND \$ FUT JUN23	L	6/16/2023	USD	2	123,700	(2,405)
BRAZIL REAL FUT JUN23	L	5/31/2023	USD	58	1,155,360	11,692
LONG GILT FUTURE JUN23	S	6/28/2023	GBP	(4)	(510,039)	2,466
US 10YR NOTE (CBT)JUN23	S	6/21/2023	USD	(212)	(24,423,064)	12,996
US 10YR ULTRA FUT JUN23	S	6/21/2023	USD	(45)	(5,465,391)	(11,341)
EURO-BTP FUTURE JUN23	S	6/8/2023	EUR	(14)	(1,771,745)	(6,436)
EURO-OAT FUTURE JUN23	S	6/8/2023	EUR	(15)	(2,148,540)	(16,951)
EURO-BUND FUTURE JUN23	S	6/8/2023	EUR	(15)	(2,240,603)	(10,075)
JPN 10Y BOND(OSE) JUN23	S	6/13/2023	JPY	(14)	(15,269,551)	(202,877)
TOPIX INDX FUTR JUN23	S	6/8/2023	JPY	(2)	(302,103)	(2,288)
DJ US REAL ESTATE JUN23	S	6/16/2023	USD	(105)	(3,493,350)	(77,351)
S&P500 EMINI FUT JUN23	S	6/16/2023	USD	(37)	(7,748,725)	(178,237)
S&P EMINI COM SER JUN23	S	6/16/2023	USD	(64)	(5,044,000)	(541,574)
EURO STOXX 50 JUN23	S	6/16/2023	EUR	(73)	(3,474,952)	24,560
AUDUSD CRNCY FUT JUN23	S	6/16/2023	USD	(3)	(198,855)	464
C\$ CURRENCY FUT JUN23	S	6/20/2023	USD	(9)	(665,505)	(3,293)
MEXICAN PESO FUT JUN23	S	6/16/2023	USD	(42)	(1,156,050)	(26)

**Centrally Cleared Credit Default Swap Contracts - Sell Protection**

Reference Index	Maturity Date	Counterparty	Contract Currency	Fixed Deal Pay Rate	Notional Amount	Market Value	Upfront Premiums (Received)/Paid	Unrealized Appreciation (Depreciation)
ICE CDX EM 39 06/20/2028	06/20/2028	ICE	USD	1	3,400,000	(201,405)	(232,732)	31,327
ICE CDX NA HY 39 12/20/2027 500 V2	12/20/2027	ICE	USD	5	1,485,000	38,423	(14,688)	53,112

Key to abbreviations:

AUD Australian Dollar  
BRL Brazilian Real  
CAD Canadian Dollar  
CHF Japanese Yen  
CNY Chinese Yuan Renminbi  
CZK Czech Koruna  
DKK Danish Krone  
EUR Euro  
GBP Great Britain Pound  
HKD Hong Kong Dollar  
IDR Indonesian Rupiah  
ILS New Israeli Sheqel  
JPY Japanese Yen  
KRW Korean Won  
MYR Malaysian Ringgit  
NOK Norwegian Krone  
PHP Philippine Peso  
SGD Singapore Dollar  
THB Thai Baht  
TRY New Turkish Lira  
TWD Taiwan Dollar  
USD U.S. Dollar  
ZAR South African Rand

Holdings subject to change.

Portfolio holdings are subject to change daily without notice and may not represent current or past portfolio composition. The holdings presented above include those directly held by the Fund and exclude cash, cash equivalents, as well as certain other assets and liabilities. Unlike the fund's regulatory filings, the portfolio data and its presentation in this document are not required to conform to Generally Accepted Accounting Principles (GAAP) and Securities and Exchange Commission (SEC) presentation requirements. Therefore, the information provided may differ from a fund's holdings disclosed in its annual/semi-annual report and Form NPORT-EX due to the exclusions noted above.

For information related to the Fund's collateral investments and other items mentioned above, please refer to the most recent Form N PORT-EX or the annual/semi-annual report in the above 'Related Resources' scrolling section of the page. Forms NPORT-EX are available on the SEC's website at [www.sec.gov](http://www.sec.gov).

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