

Virtus Global Allocation Fund

Investments as of October 31, 2023
(Unaudited)

Shares/Principal Amount	Security Description	Currency Code	Interest Rate	Maturity Date	Market Value	% of Fund
Fixed Income						
475,000	AES CORP/THE	USD	5.45	6/1/2028	453,606	0.24%
450,000	AIR LEASE CORP	USD	5.85	12/15/2027	439,717	0.23%
560,000	AMERICAN EXPRESS CO	USD	4.05	5/3/2029	512,214	0.27%
325,000	AMGEN INC	USD	5.65	3/2/2053	285,842	0.15%
300,000	AMGEN INC	USD	5.15	3/2/2028	292,794	0.15%
300,000	ARROW ELECTRONICS INC	USD	6.125	3/1/2026	297,780	0.16%
475,000	ASHTED CAPITAL INC	USD	4	5/1/2028	424,606	0.22%
675,000	AT&T INC	USD	5.4	2/15/2034	620,210	0.33%
442,000	AUTODESK INC	USD	2.4	12/15/2031	339,554	0.18%
420,000	AVALONBAY COMMUNITIES INC	USD	1.9	12/1/2028	351,040	0.18%
665,000	BACARDI LTD / BACARDI-MARTINI BV	USD	5.25	1/15/2029	633,384	0.33%
359,000	BANK OF AMERICA CORP	USD	2.972	2/4/2033	275,150	0.14%
460,000	BANK OF NEW YORK MELLON CORP/THE	USD	6.474	10/25/2034	461,537	0.24%
825,000	BARCLAYS PLC	USD	7.437	11/2/2033	823,165	0.43%
200,000	BBCMS 2018-TALL MORTGAGE TRUST	USD	6.65301	3/15/2037	160,500	0.08%
500,000	BBCMS 2018-TALL MORTGAGE TRUST	USD	6.25401	3/15/2037	462,293	0.24%
200,000	BNP PARIBAS SA	USD	1.675	6/30/2027	176,526	0.09%
500,000	BOSTON PROPERTIES LP	USD	3.4	6/21/2029	404,767	0.21%
450,000	BP CAPITAL MARKETS AMERICA INC	USD	4.893	9/11/2033	411,910	0.22%
1,000,000	BX TRUST 2018-BILT	USD	6.43201	5/15/2030	984,924	0.52%
500,000	BX TRUST 2023-LIFE	USD	5.0453	2/3/2028	463,003	0.24%
670,000	CAPITAL ONE FINANCIAL CORP	USD	6.377	6/8/2034	610,993	0.32%
425,000	CHARLES SCHWAB CORP/THE	USD	6.136	8/24/2034	398,056	0.21%
450,000	CHARTER COMMUNICATIONS OPERATING LLC / CHARTER COMMUNICATIONS OPERATING CAPITAL	USD	6.484	10/23/2045	378,302	0.20%
940,000	CITIGROUP INC	USD	1.281	11/3/2025	889,598	0.47%
395,000	CONCENTRIX CORP	USD	6.65	8/2/2026	392,572	0.21%
750,000	COOPERATIEVE RABOBANK UA	USD	1.106	2/24/2027	664,652	0.35%
913,763	DBGS 2018-BIOD MORTGAGE TRUST	USD	6.43302	5/15/2035	906,874	0.48%
160,716	DELL EQUIPMENT FINANCE TRUST 2021-2	USD	0.53	12/22/2026	158,581	0.08%
650,000	DEUTSCHE BANK AG/NEW YORK NY	USD	2.129	11/24/2026	586,926	0.31%
270,000	DISCOVER BANK	USD	4.65	9/13/2028	237,293	0.12%
75,000	DISCOVER FINANCIAL SERVICES	USD	6.7	11/29/2032	69,481	0.04%
190,000	DISCOVER FINANCIAL SERVICES	USD	4.1	2/9/2027	170,549	0.09%
120,000	DTE ELECTRIC CO	USD	4.05	5/15/2048	86,039	0.05%
250,000	DUKE ENERGY FLORIDA LLC	USD	2.4	12/15/2031	192,273	0.10%
143,000	DUKE ENERGY FLORIDA LLC	USD	2.5	12/1/2029	119,024	0.06%
330,000	DUKE ENERGY PROGRESS LLC	USD	3.45	3/15/2029	295,319	0.15%
575,000	ENEL FINANCE INTERNATIONAL NV	USD	5.5	6/15/2052	446,723	0.23%
100,000	ENERGY TRANSFER LP	USD	6	6/15/2048	85,025	0.04%
1,000,000	FANNIE MAE-ACES	USD	1.24539	1/1/2031	748,015	0.39%
1,000,000	FANNIE MAE-ACES	USD	1.37548	3/1/2031	748,584	0.39%
1,000,000	FANNIE MAE-ACES	USD	1.80746	10/1/2031	762,082	0.40%
2,000,000	FANNIE MAE-ACES	USD	1.382923	12/1/2030	1,520,437	0.80%
525,000	FIFTH THIRD BANCORP	USD	1.707	11/1/2027	447,470	0.23%
1,245,696	FLATIRON CLO 17 LTD	USD	6.60618	5/15/2030	1,238,970	0.65%
920,745	FREDDIE MAC MULTICLASS CERTIFICATES SERIES 2021-P009	USD	1.878	1/1/2031	728,780	0.38%
974,330	GINNIE MAE II POOL	USD	2	11/1/2050	722,706	0.38%
1,727,888	GINNIE MAE II POOL	USD	2	5/1/2051	1,336,382	0.70%
4,086,591	GINNIE MAE II POOL	USD	2.5	8/1/2050	3,243,990	1.70%
4,714,587	GINNIE MAE II POOL	USD	3	2/1/2052	3,861,358	2.02%
649,396	GINNIE MAE II POOL	USD	3	2/1/2048	535,321	0.28%
1,452,403	GINNIE MAE II POOL	USD	3	11/1/2048	1,231,722	0.65%
730,000	GOLDMAN SACHS GROUP INC/THE	USD	0.855	2/12/2026	677,097	0.36%
1,250,000	GRACE TRUST 2020-GRCE	USD	2.347	12/1/2040	929,489	0.49%
250,000	HALEON US CAPITAL LLC	USD	3.375	3/24/2027	230,543	0.12%
290,000	HCA INC	USD	5.2	6/1/2028	276,113	0.14%
250,000	HSBC HOLDINGS PLC	USD	4.25	3/14/2024	247,756	0.13%
780,000	HSBC HOLDINGS PLC	USD	2.804	5/24/2032	587,239	0.31%
260,000	INGERSOLL RAND INC	USD	5.7	8/14/2033	245,667	0.13%
1,000,000	INTERNATIONAL BANK FOR RECONSTRUCTION & DEVELOPMENT	USD	5.70638	2/11/2031	991,320	0.52%
155,000	JACOBS ENGINEERING GROUP INC	USD	6.35	8/18/2028	154,138	0.08%
300,000,000	JAPAN GOVERNMENT THIRTY YEAR BOND	JPY	1.4	9/20/2052	1,775,992	0.93%
380,000	JPMORGAN CHASE & CO	USD	6.254	10/23/2034	374,878	0.20%
185,000	JPMORGAN CHASE & CO	USD	5.35	6/1/2034	170,629	0.09%
507,000	KIMCO REALTY OP LLC	USD	2.7	10/1/2030	399,060	0.21%
1,500,000	KREDITANSTALT FUER WIEDERAUFBAU	USD	1	10/1/2026	1,340,505	0.70%
425,000	LEIDOS INC	USD	5.75	3/15/2033	395,010	0.21%
50,000	MIDAMERICAN ENERGY CO	USD	4.25	7/15/2049	36,926	0.02%
250,000	MIDAMERICAN ENERGY CO	USD	3.65	4/15/2029	225,401	0.12%
560,000	MORGAN STANLEY	USD	0.864	10/21/2025	528,795	0.28%
250,000	MORGAN STANLEY	USD	4.21	4/20/2028	233,150	0.12%

190,000	NEW YORK STATE ELECTRIC & GAS CORP	USD	5.65	8/15/2028	186,294	0.10%
255,000	NEW YORK STATE ELECTRIC & GAS CORP	USD	2.15	10/1/2031	187,259	0.10%
240,000	NIAGARA MOHAWK POWER CORP	USD	1.96	6/27/2030	183,849	0.10%
435,000	NISSAN MOTOR ACCEPTANCE CO LLC	USD	7.05	9/15/2028	429,620	0.23%
690,000	NORTHERN STATES POWER CO/MN	USD	4.5	6/1/2052	529,090	0.28%
660,000	NXP BV / NXP FUNDING LLC / NXP USA INC	USD	2.5	5/11/2031	503,527	0.26%
500,000	ONEMAIN FINANCIAL ISSUANCE TRUST 2021-1	USD	1.55	6/16/2036	432,669	0.23%
1,000,000	ONEMAIN FINANCIAL ISSUANCE TRUST 2022-S1	USD	4.13	5/14/2035	952,416	0.50%
680,000	ORACLE CORP	USD	3.6	4/1/2050	416,684	0.22%
650,000	PACIFICORP	USD	5.35	12/1/2053	517,010	0.27%
200,000	PEPSICO INC	USD	2.875	10/15/2049	121,602	0.06%
400,000	PEPSICO INC	USD	3.9	7/18/2032	354,516	0.19%
950,000	PFIZER INVESTMENT ENTERPRISES PTE LTD	USD	5.11	5/19/2043	833,833	0.44%
675,000	REGAL REYNORD CORP	USD	6.05	4/15/2028	645,700	0.34%
1,500,000	SLG OFFICE TRUST 2021-OVA	USD	2.5854	7/1/2041	1,137,765	0.60%
525,000	SOUTHERN CALIFORNIA EDISON CO	USD	2.75	2/1/2032	408,584	0.21%
200,000	SPRINT CAPITAL CORP	USD	6.875	11/15/2028	205,115	0.11%
428,000	SUMITOMO MITSUI FINANCIAL GROUP INC	USD	0.508	1/12/2024	423,421	0.22%
460,000	SUZANO AUSTRIA GMBH	USD	3.75	1/15/2031	370,806	0.19%
375,000	SYNCHRONY FINANCIAL	USD	4.375	3/19/2024	371,459	0.19%
550,000	TAPESTRY INC	USD	3.05	3/15/2032	394,615	0.21%
775,000	TENNESSEE VALLEY AUTHORITY	USD	1.5	9/15/2031	585,997	0.31%
700,000	T-MOBILE USA INC	USD	3.875	4/15/2030	609,492	0.32%
496,015	TOYOTA AUTO RECEIVABLES 2021-B OWNER TRUST	USD	0.26	11/17/2025	482,826	0.25%
400,000	TRUIST FINANCIAL CORP	USD	1.267	3/2/2027	350,656	0.18%
130,000	TRUIST FINANCIAL CORP	USD	7.161	10/30/2029	130,767	0.07%
875,000	UBS AG/LONDON	USD	5.65	9/11/2028	856,292	0.45%
1,137,292	UNITED STATES SMALL BUSINESS ADMINISTRATION	USD	2.88	5/1/2037	1,001,263	0.53%
1,226,145	UNITED STATES SMALL BUSINESS ADMINISTRATION	USD	1.21	12/1/2045	909,015	0.48%
1,689,143	UNITED STATES SMALL BUSINESS ADMINISTRATION	USD	1.03	7/1/2040	1,316,621	0.69%
2,593,561	UNITED STATES SMALL BUSINESS ADMINISTRATION	USD	1.28	1/1/2046	1,926,009	1.01%
523,268	UNITED STATES SMALL BUSINESS ADMINISTRATION	USD	1.34	2/1/2046	393,840	0.21%
225,336	UNITED STATES SMALL BUSINESS ADMINISTRATION	USD	1.56	9/1/2046	170,448	0.09%
2,546,000	UNITED STATES TREASURY NOTE/BOND	USD	3.25	5/15/2042	1,938,839	1.02%
250,000	UNITED STATES TREASURY NOTE/BOND	USD	3.625	5/15/2053	194,883	0.10%
4,000,000	UNITED STATES TREASURY NOTE/BOND	USD	2.25	2/15/2052	2,302,344	1.21%
2,000,000	UNITED STATES TREASURY NOTE/BOND	USD	2.875	5/15/2032	1,716,172	0.90%
2,200,000	UNITED STATES TREASURY NOTE/BOND	USD	2.625	5/31/2027	2,037,578	1.07%
3,600,000	UNITED STATES TREASURY NOTE/BOND	USD	3.375	5/15/2033	3,183,188	1.67%
1,220,000	VENTURE 42 CLO LTD	USD	6.78548	4/15/2034	1,197,552	0.63%
440,000	VERALTO CORP	USD	5.45	9/18/2033	411,144	0.22%
500,000	VERIZON MASTER TRUST	USD	0.5	5/20/2027	484,977	0.25%
510,000	WARNERMEDIA HOLDINGS INC	USD	5.05	3/15/2042	377,772	0.20%
360,000	WELLS FARGO & CO	USD	3.35	3/2/2033	283,452	0.15%
625,000	WELLS FARGO & CO	USD	2.879	10/30/2030	511,093	0.27%
670,000	WISCONSIN PUBLIC SERVICE CORP	USD	2.85	12/1/2051	369,897	0.19%

Fixed Income Total **76,256,274** **39.99%**

Common Stock

6,999	ABB LTD	CHF			234,210	0.12%
290	ACCENTURE PLC	USD			86,156	0.05%
159	ADOBE INC	USD			84,598	0.04%
314	ALLIANZ SE	EUR			73,393	0.04%
924	ALPHABET INC	USD			114,650	0.06%
393	AMAZON.COM INC	USD			52,304	0.03%
24,898	ANADOLU EFES BIRACILIK VE MALT SANAYII AS	TRY			87,787	0.05%
4,634	APPLE INC	USD			791,348	0.41%
3,850	ARCH CAPITAL GROUP LTD	USD			333,718	0.18%
2,752	ASSICURAZIONI GENERALI SPA	EUR			54,583	0.03%
448	AUTOMATIC DATA PROCESSING INC	USD			97,763	0.05%
69	AUTOZONE INC	USD			170,922	0.09%
292,800	BANK CENTRAL ASIA TBK PT	IDR			161,310	0.08%
5,795	BANK HAPOLIM BM	ILS			41,391	0.02%
8,221	BANK LEUMI LE-ISRAEL BM	ILS			52,861	0.03%
1,175,900	BANK MANDIRI PERSERO TBK PT	IDR			420,093	0.22%
42,478	BDO UNIBANK INC	PHP			95,617	0.05%
41,000	BOC HONG KONG HOLDINGS LTD	HKD			108,426	0.06%
784	BOOZ ALLEN HAMILTON HOLDING CORP	USD			94,025	0.05%
152	BROADCOM INC	USD			127,888	0.07%
1,002	BUNGE LTD	USD			106,192	0.06%
711	CADENCE DESIGN SYSTEMS INC	USD			170,533	0.09%

2,200	CANON MARKETING JAPAN INC	JPY	52,757	0.03%
1,587	CARDINAL HEALTH INC	USD	144,417	0.08%
2,034	CARREFOUR SA	EUR	35,683	0.02%
5,052	CARRIER GLOBAL CORP	USD	240,778	0.13%
269	CATERPILLAR INC	USD	60,807	0.03%
153,983	CENTRICA PLC	GBP	294,401	0.15%
1,037	CHUBB LTD	USD	222,561	0.12%
37,600	CHUBU ELECTRIC POWER CO INC	JPY	454,364	0.24%
2,129	CIGNA GROUP/THE	USD	658,287	0.35%
7,649	CISCO SYSTEMS INC	USD	398,742	0.21%
2,842	CLOROX CO/THE	USD	334,503	0.18%
1,888	COCA-COLA CO/THE	USD	106,653	0.06%
2,685	COCA-COLA ICECEK AS	TRY	34,872	0.02%
1,633	CONSOLIDATED EDISON INC	USD	143,361	0.08%
109,000	CTBC FINANCIAL HOLDING CO LTD	TWD	82,088	0.04%
5,500	DAICEL CORP	JPY	46,770	0.02%
1,300	DAIKIN INDUSTRIES LTD	JPY	187,433	0.10%
2,949	DAVITA INC	USD	227,751	0.12%
316	DECKERS OUTDOOR CORP	USD	188,671	0.10%
15,000	DELTA ELECTRONICS INC	TWD	135,178	0.07%
5,247	DEUTSCHE TELEKOM AG	EUR	113,674	0.06%
899	DUKE ENERGY CORP	USD	79,912	0.04%
5,462	E.ON SE	EUR	64,844	0.03%
13,677	ENGIE SA	EUR	217,132	0.11%
1,279	FUJIFILM HOLDINGS CORP	JPY	69,958	0.04%
12,225	GEN DIGITAL INC	USD	203,669	0.11%
8,100	HANKYU HANSHIN HOLDINGS INC	JPY	254,855	0.13%
6,211	HANNON ARMSTRONG SUSTAINABLE INFRASTRUCTURE CAPITAL INC	USD	106,457	0.06%
2,700	HASEKO CORP	JPY	33,228	0.02%
2,230	HERSHEY CO/THE	USD	417,791	0.22%
360	HOME DEPOT INC/THE	USD	102,488	0.05%
8,953	HSBC HOLDINGS PLC	GBP	64,454	0.03%
728	HUMANA INC	USD	381,246	0.20%
3,124	IBERDROLA SA	EUR	34,708	0.02%
1,973	ICICI BANK LTD	USD	43,781	0.02%
4,251	INGERSOLL RAND INC	USD	257,951	0.14%
2,633	INTERNATIONAL BUSINESS MACHINES CORP	USD	380,837	0.20%
5,300	ITOCU CORP	JPY	190,911	0.10%
568	JOHNSON & JOHNSON	USD	84,257	0.04%
3,687	JOHNSON CONTROLS INTERNATIONAL PLC	USD	180,737	0.09%
1,040	JPMORGAN CHASE & CO	USD	144,622	0.08%
2,000	KAMIGUMI CO LTD	JPY	40,573	0.02%
5,200	KANSAI ELECTRIC POWER CO INC/THE	JPY	66,580	0.03%
31,000	KIMBERLY-CLARK DE MEXICO SAB DE CV	MXN	56,811	0.03%
2,100	KINTETSU GROUP HOLDINGS CO LTD	JPY	59,087	0.03%
18,677	KONINKLIJKE KPN NV	EUR	62,745	0.03%
453	KUEHNE + NAGEL INTERNATIONAL AG	CHF	121,759	0.06%
854	LENNOX INTERNATIONAL INC	USD	316,441	0.17%
35,000	LITE-ON TECHNOLOGY CORP	TWD	108,973	0.06%
447	MARSH & MCLENNAN COS INC	USD	84,774	0.04%
441	MCDONALD'S CORP	USD	115,617	0.06%
2,821	MERCK & CO INC	USD	289,717	0.15%
783	META PLATFORMS INC	USD	235,894	0.12%
2,482	MICROSOFT CORP	USD	839,189	0.44%
27,000	MICRO-STAR INTERNATIONAL CO LTD	TWD	138,222	0.07%
3,400	MITSUI & CO LTD	JPY	123,570	0.06%
8,300	MITSUI OSK LINES LTD	JPY	214,284	0.11%
800	MOLINA HEALTHCARE INC	USD	266,360	0.14%
1,791	MONDELEZ INTERNATIONAL INC	USD	118,582	0.06%
248	MOTOROLA SOLUTIONS INC	USD	69,058	0.04%
6,791	NATIONAL GRID PLC	GBP	80,775	0.04%
5,600	NEC CORP	JPY	269,644	0.14%
919	NESTLE SA	CHF	99,068	0.05%
9,100	NISOURCE INC	USD	228,956	0.12%
1,530	NOVARTIS AG	CHF	142,193	0.07%
1,263	NOVO NORDISK A/S	DKK	121,219	0.06%
863	NVIDIA CORP	USD	351,931	0.18%
2,376	ORACLE CORP	USD	245,678	0.13%
14,565	ORANGE SA	EUR	171,219	0.09%
235	O'REILLY AUTOMOTIVE INC	USD	218,653	0.11%
896	PACCAR INC	USD	73,947	0.04%
9,800	PARKLAND CORP	CAD	296,597	0.16%
322,000	PEOPLE'S INSURANCE CO GROUP OF CHINA LTD/THE	HKD	106,247	0.06%
823	PEPSICO INC	USD	134,379	0.07%
19,154	PG&E CORP	USD	312,210	0.16%
675	PHILLIPS 66	USD	76,997	0.04%

5,926	PULTEGROUP INC	USD	436,094	0.23%	
43,000	QUANTA COMPUTER INC	TWD	253,885	0.13%	
432	QUEST DIAGNOSTICS INC	USD	56,203	0.03%	
10,149	REXEL SA	EUR	206,558	0.11%	
947	ROPER TECHNOLOGIES INC	USD	462,676	0.24%	
416	SALESFORCE INC	USD	83,545	0.04%	
369	SAMSUNG FIRE & MARINE INSURANCE CO LTD	KRW	70,561	0.04%	
306	SANDOZ GROUP AG	CHF	7,956	0.00%	
2,900	SEKISUI HOUSE LTD	JPY	56,790	0.03%	
117	SERVICENOW INC	USD	68,076	0.04%	
6,294	SIGNIFY NV	EUR	162,896	0.09%	
77,400	SINO GRANDNESS FOOD INDUSTRY GROUP LTD	SGD	0	0.00%	
3,100	SOJITZ CORP	JPY	64,373	0.03%	
3,800	SUMITOMO CORP	JPY	74,699	0.04%	
1,900	SUMITOMO MITSUI TRUST HOLDINGS INC	JPY	71,244	0.04%	
119	SWISSCOM AG	CHF	71,166	0.04%	
26,878	TELEFONICA DEUTSCHLAND HOLDING AG	EUR	45,603	0.02%	
915	TESLA INC	USD	183,769	0.10%	
8,100	TOKYO GAS CO LTD	JPY	181,903	0.10%	
6,900	TOYOTA MOTOR CORP	JPY	120,707	0.06%	
1,282	TRANE TECHNOLOGIES PLC	USD	243,977	0.13%	
358	UNITEDHEALTH GROUP INC	USD	191,730	0.10%	
1,046	VISA INC	USD	245,915	0.13%	
1,425	WALMART INC	USD	232,859	0.12%	
983	WASTE MANAGEMENT INC	USD	161,536	0.08%	
2,700	YAMAHA MOTOR CO LTD	JPY	65,980	0.03%	
3,600	YOKOGAWA ELECTRIC CORP	JPY	65,359	0.03%	
Common Stock Total				21,181,371	11.11%
Preferred Stock					
18,800	PETROLEO BRASILEIRO SA	BRL	129,503	0.07%	
Preferred Stock Total				129,503	0.07%
Open-End Funds					
133,102	ISHARES ESG AWARE MSCI USA ETF	USD	12,200,129	6.40%	
67,904	ISHARES INC ISHARES ESG AWARE MSCI EM ETF	USD	1,994,340	1.05%	
71,698	ISHARES TRUST ISHARES ESG AWARE MSCI EAFE ETF	USD	4,798,747	2.52%	
110,000	PIMCO ENHANCED SHORT MATURITY ACTIVE ESG EXCHANGE-TRADED FUND	USD	10,792,650	5.66%	
244,000	VIRTUS DUFF & PHELPS CLEAN ENERGY ETF	USD	3,825,652	2.01%	
350,002	VIRTUS DUFF & PHELPS WATER FUND	USD	5,855,527	3.07%	
2,591,042	VIRTUS NFJ GLOBAL SUSTAINABILITY FUND	USD	37,984,677	19.92%	
Open-End Funds Total				77,451,723	40.62%
Short-Term Investments					
4,588,725	BLCKRCK LIQ FDFND-INST	USD	5.239137	4,588,725	2.41%
Short-Term Investments Total				4,588,725	2.41%
Total Investments				179,607,597	94.19%
Other Assets and Liabilities				11,086,769	5.81%
Total Net Assets				190,694,365	100.00%

Futures Contracts

Contract Description	Long/Short	Expiration Date	Contract Currency	Number of Contracts	Notional Value	Unrealized Appreciation (Depreciation)
US 5YR NOTE (CBT) DEC23	L	12/29/2023	USD	39	4,074,586	(67,714)
US 2YR NOTE (CBT) DEC23	L	12/29/2023	USD	22	4,453,281	(16,974)
US 10YR NOTE (CBT) DEC23	L	12/19/2023	USD	81	8,599,922	(162,962)
US LONG BOND(CBT) DEC23	L	12/19/2023	USD	19	2,079,313	(199,851)
US 10YR ULTRA FUT DEC23	L	12/19/2023	USD	79	8,597,422	(152,051)
LONG GILT FUTURE DEC23	L	12/27/2023	GBP	1	113,231	(695)
XAU UTILITIES DEC23	L	12/15/2023	USD	25	1,510,000	9,368
NASDAQ 100 E-MINI DEC23	L	12/15/2023	USD	1	289,805	(23,608)
EMINI S&P500 ESG DEC23	L	12/15/2023	USD	108	20,216,520	(1,442,891)
EMINI BOVESPA FUT DEC23	L	12/13/2023	BRL	32	145,472	(3,844)
FTSE/MIB IDX FUT DEC23	L	12/15/2023	EUR	1	146,404	(3,479)
TOPIX INDX FUTR DEC23	L	12/7/2023	JPY	13	1,933,168	(66,877)
BIST 30 FUTURES DEC23	L	12/29/2023	TRY	31	90,446	(2,002)
MSCI EMGMKT DEC23	L	12/15/2023	USD	78	3,584,880	(263,312)
MSCI EAFE DEC23	L	12/15/2023	USD	74	7,304,170	(528,041)
E-MINI RUSS 2000 DEC23	L	12/15/2023	USD	25	2,085,500	(255,959)

FTSE TAIWAN INDEX NOV23	L	11/29/2023	USD		1	55,050	(274)
BRAZIL REAL FUT DEC23	L	11/30/2023	USD		113	2,235,705	(22,444)
CAN 10YR BOND FUT DEC23	S	12/18/2023	CAD		(36)	(2,983,580)	(13,828)
US ULTRA BOND CBT DEC23	S	12/19/2023	USD		(23)	(2,588,938)	194,372
AUST 10Y BOND FUT DEC23	S	12/15/2023	AUD		(26)	(1,785,290)	32,344
JPN 10Y BOND(OSE) DEC23	S	12/13/2023	JPY		(14)	(13,277,255)	213,602
EURO-BTP FUTURE DEC23	S	12/7/2023	EUR		(11)	(1,282,862)	(21,918)
EURO-OAT FUTURE DEC23	S	12/7/2023	EUR		(4)	(521,813)	(5,575)
EURO-BUND FUTURE DEC23	S	12/7/2023	EUR		(6)	(818,906)	(3,569)
FTSE 100 IDX FUT DEC23	S	12/15/2023	GBP		(5)	(445,341)	2,662
S&P/TSX 60 IX FUT DEC23	S	12/14/2023	CAD		(2)	(327,384)	6,852
DAX MINI FUTURE DEC23	S	12/15/2023	EUR		(4)	(314,488)	682
FTSE/ISE TOP 40 DEC23	S	12/21/2023	ZAR		(9)	(311,068)	5,788
S&P MID 400 EMINI DEC23	S	12/15/2023	USD		(9)	(2,137,590)	206,020
XAV HEALTH CARE DEC23	S	12/15/2023	USD		(11)	(1,389,960)	56,004
SPI 200 FUTURES DEC23	S	12/21/2023	AUD		(4)	(430,280)	4,873
S&P500 EMINI FUT DEC23	S	12/15/2023	USD		(17)	(3,580,413)	69,806
FTSE CHINA A50 NOV23	S	11/29/2023	USD		(36)	(431,892)	(4,428)
NEW ZEALAND \$ FUT DEC23	S	12/18/2023	USD		(17)	(989,995)	7,357
MEXICAN PESO FUT DEC23	S	12/18/2023	USD		(82)	(2,260,740)	103,023
AUDUSD CRNCY FUT DEC23	S	12/18/2023	USD		(7)	(444,640)	2,714
BP CURRENCY FUT DEC23	S	12/18/2023	USD		(24)	(1,823,100)	289
CS CURRENCY FUT DEC23	S	12/19/2023	USD		(13)	(938,145)	11,788
EURO FX CURR FUT DEC23	S	12/18/2023	USD		(5)	(662,656)	(3,362)
JPN YEN CURR FUT DEC23	S	12/18/2023	USD		(26)	(2,160,113)	16,923

Centrally Cleared Credit Default Swap Contracts - Sell Protection

Reference	Maturity	Contract	Fixed Deal	Notional	Market	Upfront	Unrealized Appreciation	
Index	Date	Counterparty	Currency	Pay Rate	Amount	Value	(Received)/Paid	(Depreciation)
ICE CDX EM 39 06/20/2028	06/20/2028	ICE	USD	1	1,700,000	(73,047)	(104,959)	31,912

Key to abbreviations:

AUD Australian Dollar
BRL Brazilian Real
CAD Canadian Dollar
CHF Japanese Yen
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
MXN Mexican Peso
PHP Philippine Peso
SGD Singapore Dollar
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.

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