

# LargeCap S&P 500 Index Separate Account

As of February 28, 2018



SCHEDULE OF INVESTMENTS			
SECURITY	SHARES	MARKET VALUE	% OF ASSETS
APPLE INC	5,352,656	\$ 953,415,087	3.82%
MICROSOFT CORP	8,042,662	\$ 754,160,416	3.03%
AMAZON.COM INC	416,961	\$ 630,632,664	2.53%
FACEBOOK INC-A	2,486,214	\$ 443,341,680	1.78%
JP MORGAN CHASE & CO	3,617,282	\$ 417,796,071	1.67%
BERKSHIRE HATHAWAY INC B	2,006,240	\$ 415,692,928	1.67%
JOHNSON & JOHNSON	2,800,766	\$ 363,763,488	1.47%
ALPHABET INC	314,698	\$ 347,656,322	1.39%
ALPHABET INC	310,719	\$ 343,008,918	1.37%
EXXON MOBIL CORP	4,417,460	\$ 334,578,420	1.35%
BANK OF AMERICA CORP	10,112,994	\$ 324,627,107	1.30%
WELLS FARGO & CO	4,620,305	\$ 269,872,015	1.09%
INTEL CORP	4,879,025	\$ 240,487,142	0.97%
VISA INC	1,890,583	\$ 232,428,274	0.93%
AT&T INC	6,401,111	\$ 232,360,329	0.93%
CISCO SYSTEMS INC	5,153,858	\$ 230,789,761	0.92%
UNITEDHEALTH GROUP INC	1,010,276	\$ 228,484,020	0.92%
PFIZER INC	6,214,193	\$ 225,637,348	0.91%
HOME DEPOT INC	1,217,410	\$ 221,897,321	0.89%
CHEVRON CORP	1,980,146	\$ 221,617,940	0.90%
BOEING CO	583,652	\$ 211,404,591	0.85%
PROCTER & GAMBLE CO	2,656,471	\$ 208,586,103	0.84%
CITIGROUP INC	2,756,443	\$ 208,083,882	0.83%
VERIZON COMMUNICATIONS INC	4,252,850	\$ 203,031,059	0.81%
ABBVIE INC	1,661,885	\$ 192,496,140	0.77%
COMCAST CORP	4,862,685	\$ 176,077,824	0.71%
COCA-COLA CO	3,997,671	\$ 172,779,341	0.69%
DOWDUPONT INC	2,439,500	\$ 171,496,850	0.69%
MASTERCARD INC	968,307	\$ 170,189,638	0.68%
PHILIP MORRIS INTERNATIONAL	1,619,191	\$ 167,667,228	0.67%
PEPSICO INC	1,482,622	\$ 162,688,112	0.65%
DISNEY WALT CO	1,574,541	\$ 162,429,650	0.65%
ORACLE CORP	3,176,207	\$ 160,938,409	0.64%
MERCK & CO INC	2,851,480	\$ 154,607,246	0.62%
NVIDIA CORP	631,769	\$ 152,888,098	0.61%
3M CO	622,144	\$ 146,521,133	0.59%

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IBM CORP	897,601	\$ 139,873,164	0.57%
AMGEN INC	756,782	\$ 139,073,828	0.56%
WALMART INC	1,525,975	\$ 137,353,010	0.55%
NETFLIX INC	451,133	\$ 131,451,134	0.53%
MCDONALD'S CORP	831,089	\$ 131,095,979	0.53%
GENERAL ELECTRIC CO	9,040,876	\$ 127,566,760	0.52%
ALTRIA GROUP INC	1,989,339	\$ 125,228,890	0.50%
HONEYWELL INTERNATIONAL INC	794,219	\$ 120,014,433	0.48%
BRISTOL-MYERS SQUIBB CO	1,706,302	\$ 112,957,192	0.45%
MEDTRONIC INC	1,411,154	\$ 112,737,093	0.45%
TEXAS INSTRUMENTS INC	1,027,475	\$ 111,326,916	0.45%
ABBOTT LABORATORIES	1,814,622	\$ 109,476,145	0.44%
ADOBE SYSTEMS INC	513,905	\$ 107,472,953	0.43%
GILEAD SCIENCES INC	1,361,819	\$ 107,216,010	0.43%
UNION PACIFIC CORP	820,645	\$ 106,889,011	0.43%
BROADCOM LTD	423,883	\$ 104,470,204	0.42%
UNITED TECHNOLOGIES CORP	774,252	\$ 104,322,714	0.42%
ACCENTURE LTD	644,266	\$ 103,733,269	0.42%
BOOKING HOLDINGS INC	50,845	\$ 103,420,764	0.41%
QUALCOMM INC	1,536,855	\$ 99,895,575	0.40%
GOLDMAN SACHS GROUP INC	365,716	\$ 96,157,708	0.39%
CATERPILLAR INC	620,233	\$ 95,906,629	0.38%
SCHLUMBERGER LTD	1,444,172	\$ 94,795,450	0.38%
SCHLUMBERGER LTD	1,444,172	\$ 94,795,450	0.38%
PAYPAL HOLDINGS INC-W/I	1,177,840	\$ 93,532,274	0.37%
NIKE INC	1,369,826	\$ 91,819,437	0.37%
LOCKHEED MARTIN CORP	260,068	\$ 91,658,366	0.37%
US BANCORP	1,643,562	\$ 89,344,030	0.36%
THERMO FISHER SCIENTIFIC INC	418,047	\$ 87,196,243	0.35%
COSTCO WHOLESALE CORP	455,574	\$ 86,969,077	0.35%
STARBUCKS CORP	1,483,308	\$ 84,696,887	0.34%
SALESFORCE.COM INC	715,365	\$ 83,161,181	0.33%
MORGAN STANLEY	1,451,284	\$ 81,300,930	0.33%
PNC FINANCIAL SERVICES GROUP I	496,036	\$ 78,205,036	0.31%
LILLY ELI & CO	1,010,072	\$ 77,795,745	0.31%
LOWES COMPANIES INC	868,230	\$ 77,784,726	0.31%

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TIME WARNER INC	811,703	\$ 75,455,911	0.30%
UNITED PARCEL SERVICE INC	716,274	\$ 74,786,168	0.30%
NEXTERA ENERGY INC	490,401	\$ 74,614,512	0.30%
AMERICAN EXPRESS CO	751,075	\$ 73,237,323	0.29%
CVS CAREMARK CORP	1,056,071	\$ 71,527,689	0.29%
CELGENE CORP	820,797	\$ 71,507,835	0.29%
BLACKROCK INC	128,707	\$ 70,715,487	0.28%
CHARTER COMMUNICATIONS INC	202,163	\$ 69,125,595	0.28%
CHUBB LTD	483,963	\$ 68,684,029	0.28%
MONDELEZ INTL INC	1,557,942	\$ 68,393,654	0.27%
CONOCOPHILLIPS	1,246,359	\$ 67,689,757	0.27%
SCHWAB CHARLES CORP	1,243,851	\$ 65,948,980	0.26%
RAYTHEON CO	301,381	\$ 65,553,381	0.26%
GENERAL DYNAMICS CORP	289,491	\$ 64,397,273	0.26%
APPLIED MATERIALS INC	1,111,841	\$ 64,030,923	0.26%
BIOGEN IDEC INC	220,422	\$ 63,699,754	0.26%
NORTHROP GRUMMAN CORP	181,481	\$ 63,525,609	0.25%
FEDEX CORP	257,186	\$ 63,373,202	0.25%
COLGATE PALMOLIVE CO	915,448	\$ 63,138,449	0.25%
ANTHEM INC	267,682	\$ 63,006,989	0.25%
DANAHER CORP	638,163	\$ 62,399,578	0.25%
WALGREEN BOOTS ALLIANCE INC CO	905,133	\$ 62,354,612	0.25%
AMERICAN TOWER CORP	447,092	\$ 62,293,328	0.25%
BECTON DICKINSON & CO	276,252	\$ 61,333,469	0.25%
EOG RESOURCES INC	602,807	\$ 61,136,686	0.24%
BANK OF NEW YORK MELLON	1,067,572	\$ 60,883,631	0.24%
AETNA INC	339,968	\$ 60,194,734	0.24%
CME GROUP INC	354,762	\$ 58,947,254	0.24%
MICRON TECHNOLOGY INC	1,202,299	\$ 58,684,214	0.24%
ACTIVISION BLIZZARD INC	788,252	\$ 57,644,869	0.23%
MONSANTO CO	458,004	\$ 56,503,953	0.23%
DUKE ENERGY CORP	729,647	\$ 54,971,605	0.22%
TJX COS INC	663,332	\$ 54,844,290	0.22%
STRYKER CORP	335,531	\$ 54,409,707	0.22%
AMERICAN INTERNATIONAL GROUP I	937,190	\$ 53,738,475	0.22%
DEERE & CO	333,463	\$ 53,644,193	0.21%

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ALLERGAN PLC	346,727	\$ 53,472,238	0.22%
AUTOMATIC DATA PROCESSING INC	462,349	\$ 53,318,087	0.21%
GENERAL MOTORS CO	1,332,734	\$ 52,443,083	0.21%
OCCIDENTAL PETROLEUM CORP	797,787	\$ 52,334,827	0.21%
ILLINOIS TOOL WORKS INC	321,453	\$ 51,895,372	0.21%
S&P GLOBAL INC	265,845	\$ 50,989,071	0.20%
METLIFE INC	1,097,051	\$ 50,672,786	0.20%
COGNIZANT TECHNOLOGY SOLUTIONS	614,720	\$ 50,419,334	0.20%
CIGNA CORP	257,036	\$ 50,350,782	0.20%
CSX CORP	931,730	\$ 50,052,536	0.20%
INTUITIVE SURGICAL INC	116,812	\$ 49,814,477	0.20%
SIMON PROPERTY GROUP INC REIT	324,052	\$ 49,745,222	0.20%
DOMINION ENERGY INC	670,896	\$ 49,693,267	0.20%
CAPITAL ONE FINANCIAL CORP	505,358	\$ 49,489,709	0.20%
EMERSON ELECTRIC CO	669,113	\$ 47,547,170	0.19%
PRUDENTIAL FINANCIAL INC	442,032	\$ 46,996,842	0.19%
CROWN CASTLE INTERNATIONAL COR	423,543	\$ 46,615,143	0.19%
MARRIOTT INTERNATIONAL INC	319,272	\$ 45,084,399	0.18%
SOUTHERN CO	1,046,308	\$ 45,054,022	0.18%
BB&T CORP	822,473	\$ 44,701,408	0.18%
PRAXAIR INC	298,479	\$ 44,697,230	0.18%
INTERCONTINENTALEXCHANGE	609,906	\$ 44,571,930	0.18%
EXPRESS SCRIPTS HOLDING CO	590,460	\$ 44,550,207	0.18%
MARSH & MCLENNAN COS INC	532,062	\$ 44,171,787	0.18%
VERTEX PHARMACEUTICALS INC	263,657	\$ 43,774,972	0.18%
EBAY INC	1,012,765	\$ 43,407,108	0.17%
FORD MOTOR COMPANY	4,067,364	\$ 43,154,732	0.18%
TARGET CORP	566,690	\$ 42,734,093	0.17%
INTUIT INC	253,194	\$ 42,247,951	0.17%
HALLIBURTON CO	909,647	\$ 42,225,814	0.17%
KRAFT HEINZ CO THE	622,439	\$ 41,734,535	0.17%
NORFOLK SOUTHERN CORP	298,319	\$ 41,490,207	0.17%
VALERO ENERGY CORP	456,191	\$ 41,248,790	0.17%
ZOETIS INC	508,012	\$ 41,077,850	0.16%
STATE STREET CORP	386,608	\$ 41,038,439	0.16%
HEWLETT-PACKARD CO	1,741,284	\$ 40,728,633	0.16%

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KIMBERLY-CLARK CORP	366,717	\$ 40,676,250	0.16%
HUMANA INC	148,936	\$ 40,483,784	0.16%
PHILLIPS 66	447,940	\$ 40,480,338	0.16%
TWENTY FIRST CENTURY FOX INC	1,098,832	\$ 40,458,994	0.16%
ELECTRONIC ARTS INC	321,020	\$ 39,710,174	0.16%
TRAVELERS COS INC	285,336	\$ 39,661,704	0.16%
BOSTON SCIENTIFIC CORP	1,431,593	\$ 39,025,225	0.16%
CONSTELLATION BRANDS INC	179,596	\$ 38,699,346	0.16%
TE CONNECTIVITY LTD	366,592	\$ 37,791,969	0.15%
EXELON CORP	1,000,917	\$ 37,073,966	0.15%
EATON CORP	459,338	\$ 37,068,577	0.15%
DELTA AIR LINES INC	683,832	\$ 36,858,545	0.15%
AON CORP	260,527	\$ 36,557,149	0.15%
AIR PRODUCTS & CHEMICALS INC	227,225	\$ 36,535,508	0.15%
LYONDELLBASELL INDUSTRIES NV	337,212	\$ 36,493,083	0.15%
AFLAC INC	409,870	\$ 36,429,246	0.15%
WASTE MANAGEMENT INC	416,468	\$ 35,949,518	0.14%
JOHNSON CONTROLS INTERNATION	964,793	\$ 35,571,918	0.14%
BAXTER INTERNATIONAL INC	522,598	\$ 35,426,918	0.14%
ECOLAB INC	271,079	\$ 35,362,256	0.14%
PROGRESSIVE CORP	606,333	\$ 34,912,654	0.14%
ILLUMINA INC	152,208	\$ 34,706,468	0.14%
SUNTRUST BANKS INC	496,278	\$ 34,660,056	0.14%
ANALOG DEVICES INC	384,311	\$ 34,645,637	0.14%
ALLSTATE CORP	374,087	\$ 34,513,267	0.14%
SHERWIN-WILLIAMS CO	85,791	\$ 34,451,950	0.14%
FIDELITY NATIONAL INFORMATION	348,066	\$ 33,825,054	0.14%
PROLOGIS INC REIT	554,709	\$ 33,659,742	0.13%
AMERICAN ELECTRIC POWER CO INC	512,755	\$ 33,626,473	0.14%
SOUTHWEST AIRLINES CO	569,134	\$ 32,918,711	0.13%
MARATHON PETROLEUM CORP	509,184	\$ 32,618,327	0.13%
ANADARKO PETROLEUM CORP	570,429	\$ 32,537,270	0.13%
KINDER MORGAN INC	2,002,262	\$ 32,436,644	0.13%
MCKESSON CORP	217,341	\$ 32,433,797	0.13%
LAM RESEARCH CORP	168,833	\$ 32,392,299	0.13%
LAUDER ESTEE COS INC/THE	233,390	\$ 32,310,512	0.13%

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EQUINIX INC	81,560	\$ 31,979,676	0.13%
ROSS STORES INC	401,991	\$ 31,391,477	0.13%
FISERV INC	217,263	\$ 31,153,342	0.12%
HEWLETT PACKARD ENTERPRIS	1,662,832	\$ 30,912,047	0.12%
DXC TECHNOLOGY CO	297,399	\$ 30,495,294	0.12%
PUBLIC STORAGE REIT	156,039	\$ 30,340,223	0.12%
PIONEER NATURAL RESOURCES CO	177,401	\$ 30,198,972	0.12%
GENERAL MILLS INC	592,508	\$ 29,951,279	0.12%
DISCOVER FINANCIAL SERVICES	378,836	\$ 29,863,642	0.12%
PPG INDUSTRIES INC	265,299	\$ 29,830,220	0.12%
SYSCO CORPPRATION	499,758	\$ 29,810,565	0.12%
M&T BANK CORP	156,917	\$ 29,789,123	0.12%
EDWARDS LIFESCIENCES CORP	220,618	\$ 29,490,008	0.12%
ROPER INDUSTRIES INC	106,714	\$ 29,355,954	0.12%
HCA HEALTHCARE INC	295,288	\$ 29,307,334	0.12%
AMPHENOL CORP	318,323	\$ 29,091,539	0.12%
MOODYS CORP	173,326	\$ 28,924,643	0.12%
YUM! BRANDS INC	351,326	\$ 28,590,910	0.12%
SEMPRA ENERGY	261,755	\$ 28,526,060	0.11%
CARNIVAL CORP	425,170	\$ 28,448,125	0.11%
PRICE T ROWE GROUP INC	252,614	\$ 28,267,507	0.11%
SYNCHRONY FINANCIAL	766,923	\$ 27,908,328	0.11%
WEYERHAEUSER CO	786,929	\$ 27,566,123	0.11%
ALEXION PHARMACEUTICALS INC	232,910	\$ 27,355,280	0.11%
CUMMINS INC	162,645	\$ 27,352,010	0.11%
MONSTER BEVERAGE CORP	429,201	\$ 27,198,467	0.11%
RED HAT INC	184,471	\$ 27,191,025	0.11%
AUTODESK INC	228,512	\$ 26,843,305	0.11%
WESTERN DIGITAL CORP	308,364	\$ 26,840,003	0.11%
CORNING INC	906,017	\$ 26,346,974	0.11%
PACCAR INC	366,562	\$ 26,242,174	0.11%
FREEMPORT MCMORAN INC	1,403,511	\$ 26,105,305	0.10%
REGENERON PHARMACEUTICALS INC	80,310	\$ 25,734,536	0.10%
DOLLAR GENERAL CORP	271,592	\$ 25,689,887	0.10%
INTERNATIONAL PAPER CO	430,455	\$ 25,650,813	0.10%
PUBLIC SERVICE ENTERPRISE GROU	527,559	\$ 25,549,682	0.10%

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VF CORP	341,920	\$ 25,496,974	0.10%
STANLEY BLACK & DECKER INC	159,872	\$ 25,450,024	0.10%
DOLLAR TREE INC	247,179	\$ 25,370,453	0.10%
APTIV PLC	277,146	\$ 25,311,744	0.10%
KROGER CO	927,352	\$ 25,149,786	0.10%
PARKER HANNIFIN CORP	138,891	\$ 24,787,877	0.10%
ZIMMER BIOMET HOLDINGS INC	211,083	\$ 24,538,399	0.10%
FORTIVE CORPORATION	318,858	\$ 24,488,294	0.10%
FIFTH THIRD BANCORP	735,589	\$ 24,311,216	0.10%
ROCKWELL AUTOMATION INC	133,967	\$ 24,221,234	0.10%
CONSOLIDATED EDISON INC	323,254	\$ 24,208,492	0.10%
ARCHER-DANIELS-MIDLAND CO	583,035	\$ 24,207,613	0.10%
AMERIPRISE FINANCIAL INC	154,222	\$ 24,126,490	0.10%
AMERICAN AIRLINES GROUP INC	443,977	\$ 24,085,752	0.10%
ONEOK INC	427,529	\$ 24,082,709	0.10%
WILLIAMS COS INC	861,905	\$ 23,926,483	0.10%
NORTHERN TRUST CORP	223,909	\$ 23,705,246	0.09%
KEYCORP	1,121,134	\$ 23,689,561	0.10%
REGIONS FINANCIAL CORP	1,209,302	\$ 23,472,552	0.09%
CONCHO RESOURCES INC	155,035	\$ 23,379,278	0.09%
ROCKWELL COLLINS INC	169,721	\$ 23,373,976	0.09%
INGERSOLL-RAND CO LTD	260,495	\$ 23,131,956	0.09%
TYSON FOODS INC	310,251	\$ 23,076,469	0.09%
AGILENT TECHNOLOGIES INC	335,513	\$ 23,012,837	0.09%
XCEL ENERGY INC	529,357	\$ 22,910,571	0.09%
CARDINAL HEALTH INC	327,984	\$ 22,699,773	0.09%
ROYAL CARIBBEAN CRUISES LTD	178,556	\$ 22,605,190	0.09%
MYLAN INC	559,087	\$ 22,542,388	0.09%
AVALONBAY COMMUNITIES INC REIT	143,954	\$ 22,459,703	0.09%
CITIZENS FINANCIAL GROUP INC	512,916	\$ 22,306,717	0.09%
PG&E CORP	534,630	\$ 21,967,947	0.09%
DR PEPPER SNAPPLE GROUP INC	188,220	\$ 21,880,575	0.09%
WILLIS TOWERS WATSON PLC	137,656	\$ 21,735,865	0.09%
PAYCHEX INC	333,402	\$ 21,714,472	0.09%
MICROCHIP TECHNOLOGY INC	243,851	\$ 21,685,669	0.09%
NUCOR CORP	331,437	\$ 21,675,980	0.09%

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O'REILLY AUTOMOTIVE INC	88,645	\$ 21,646,223	0.09%
DIGITAL REALTY TRUST INC REIT	214,179	\$ 21,554,975	0.09%
EQUITY RESIDENTIAL REIT	383,112	\$ 21,542,388	0.09%
NEWMONT MINING CORP	556,017	\$ 21,239,849	0.09%
CERNER CORP	329,223	\$ 21,122,948	0.08%
SKYWORKS SOLUTIONS INC	191,552	\$ 20,927,056	0.08%
EDISON INTERNATIONAL	339,665	\$ 20,580,302	0.08%
PPL CORP	712,228	\$ 20,405,332	0.08%
WELLTOWER INC REIT	386,106	\$ 20,270,565	0.08%
CBS CORP	378,000	\$ 20,022,660	0.08%
ALIGN TECHNOLOGY	75,228	\$ 19,748,855	0.08%
WEC ENERGY GROUP INC	328,998	\$ 19,713,560	0.08%
HARTFORD FINANCIAL SERVICES GR	371,891	\$ 19,654,439	0.08%
HARRIS CORP	124,272	\$ 19,405,073	0.08%
SBA COMMUNICATIONS CORP	122,543	\$ 19,272,338	0.08%
BEST BUY CO INC	265,140	\$ 19,206,742	0.08%
BOSTON PROPERTIES INC REIT	160,880	\$ 19,123,806	0.08%
AUTOZONE INC	28,663	\$ 19,052,869	0.08%
DTE ENERGY CO	187,015	\$ 18,847,372	0.08%
EVERSOURCE ENERGY COM	330,360	\$ 18,830,520	0.08%
GLOBAL PAYMENTS INC	165,909	\$ 18,812,422	0.08%
XILINX INC	261,624	\$ 18,640,710	0.07%
KLA-TENCOR CORP	163,371	\$ 18,511,568	0.07%
LABORATORY CORP OF AMERICA HOL	106,129	\$ 18,328,478	0.07%
OMNICOM GROUP INC	240,336	\$ 18,320,813	0.07%
AMETEK INC	240,944	\$ 18,249,099	0.07%
CENTENE CORP	179,810	\$ 18,236,330	0.07%
MGM RESORTS INTERNATIONAL	531,194	\$ 18,182,771	0.07%
VENTAS INC REIT	371,294	\$ 17,940,926	0.07%
MOTOROLA SOLUTIONS INC	168,891	\$ 17,927,780	0.07%
CENTURYTEL INC	1,014,162	\$ 17,920,243	0.07%
IHS MARKIT LTD	378,718	\$ 17,818,682	0.07%
UAL CORP	262,524	\$ 17,796,502	0.07%
HUNTINGTON BANCSHARES INC/OH	1,126,916	\$ 17,692,581	0.07%
COMERICA INC	181,312	\$ 17,627,153	0.07%
WESTROCK CO	265,441	\$ 17,455,400	0.07%



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LINCOLN NATIONAL CORP	228,136	\$ 17,377,119	0.07%
CLOROX COMPANY	134,421	\$ 17,351,063	0.07%
KELLOGG CO	259,318	\$ 17,166,852	0.07%
HILTON INC	210,816	\$ 17,031,825	0.07%
NETAPP INC	281,229	\$ 17,028,416	0.07%
IDEXX LABORATORIES INC	90,927	\$ 17,024,262	0.07%
SYMANTEC CORP	646,348	\$ 16,992,489	0.07%
WATERS CORP	82,916	\$ 16,967,930	0.07%
L3 COMMUNICATIONS CORP	81,464	\$ 16,907,853	0.07%
DEVON ENERGY CORP	547,863	\$ 16,802,958	0.07%
TWENTY FIRST CENTURY FOX-B	457,863	\$ 16,675,370	0.07%
VERISK ANALYTICS INC	162,028	\$ 16,557,641	0.07%
TEXTRON INC	274,624	\$ 16,436,246	0.07%
METTLER TOLEDO INTERNATIONAL I	26,668	\$ 16,433,355	0.07%
FASTENAL CO	299,612	\$ 16,394,769	0.07%
DOVER CORP	162,415	\$ 16,257,742	0.07%
VULCAN MATERIALS CO	137,899	\$ 16,234,849	0.07%
SEAGATE TECHNOLOGY	301,623	\$ 16,106,668	0.06%
LENNAR CORP	283,002	\$ 16,012,253	0.06%
AMERISOURCEBERGEN CORP	168,245	\$ 16,010,194	0.06%
REPUBLIC SERVICES INC	236,939	\$ 15,917,562	0.06%
MOHAWK INDUSTRIES INC	65,873	\$ 15,801,615	0.06%
INCYTE CORP LTD	182,609	\$ 15,550,982	0.06%
UNITED RENTALS INC	88,106	\$ 15,426,480	0.06%
ESSEX PROPERTY TRUST INC REIT	68,845	\$ 15,409,576	0.06%
CONAGRA FOODS INC	425,872	\$ 15,386,755	0.06%
TOTAL SYSTEM SERVICES INC	174,413	\$ 15,339,623	0.06%
CINTAS CORP	89,767	\$ 15,319,636	0.06%
EASTMAN CHEMICAL CO	149,848	\$ 15,146,636	0.06%
NOBLE ENERGY INC	507,300	\$ 15,132,759	0.06%
TAPESTRY INC	296,468	\$ 15,093,186	0.06%
FIRSTENERGY CORP	463,776	\$ 14,993,878	0.06%
SMUCKER JM CO/THE	118,415	\$ 14,955,815	0.06%
IQVIA HOLDINGS INC	151,784	\$ 14,924,921	0.06%
DR HORTON INC	355,799	\$ 14,907,978	0.06%
AMERICAN WATER WORKS CO INC	185,960	\$ 14,757,786	0.06%

# LargeCap S&P 500 Index Separate Account

As of February 28, 2018



SCHEDULE OF INVESTMENTS			
SECURITY	SHARES	MARKET VALUE	% OF ASSETS
E TRADE FINANCIAL CORP	282,203	\$ 14,739,463	0.06%
CBRE GROUP INC	314,967	\$ 14,724,707	0.06%
MOLSON COORS BREWING CO	192,624	\$ 14,687,580	0.06%
QUEST DIAGNOSTICS INC	142,094	\$ 14,642,787	0.06%
BALL CORP	364,944	\$ 14,579,513	0.06%
TRANSDIGM GROUP INC	50,377	\$ 14,524,193	0.06%
HERSHEY CO	147,069	\$ 14,451,000	0.06%
REALTY INCOME CORP REIT	293,767	\$ 14,447,461	0.06%
HOST HOTELS & RESORTS INC REIT	771,523	\$ 14,319,467	0.06%
ENTERGY CORP	187,915	\$ 14,247,715	0.06%
BROWN-FORMAN CORP	204,149	\$ 14,247,559	0.06%
LOEWS CORP	287,750	\$ 14,194,708	0.06%
ANSYS INC	88,468	\$ 14,149,572	0.06%
EQUIFAX INC	125,184	\$ 14,145,792	0.06%
GRAINGER WW INC	54,060	\$ 14,139,393	0.06%
RESMED INC	147,937	\$ 14,093,958	0.06%
GENUINE PARTS CO	152,847	\$ 14,037,468	0.06%
WYNN RESORTS LTD	83,579	\$ 13,999,483	0.06%
XYLWM INC	187,237	\$ 13,964,135	0.06%
NATIONAL OILWELL VARCO INC	396,204	\$ 13,902,798	0.06%
INVESCO LTD	424,390	\$ 13,809,651	0.06%
GGP INC	650,896	\$ 13,779,468	0.06%
AMEREN CORP	252,952	\$ 13,735,294	0.06%
CITRIX SYSTEMS INC	149,229	\$ 13,729,068	0.05%
CH ROBINSON WORLDWIDE INC	145,334	\$ 13,568,382	0.05%
APACHE CORP	397,134	\$ 13,562,126	0.05%
MASCO CORP	327,944	\$ 13,485,057	0.05%
EXPEDIA INC	128,159	\$ 13,478,482	0.05%
DENTSPLY SIRONA INC	239,449	\$ 13,423,511	0.05%
ANDEAVOR	149,622	\$ 13,409,124	0.05%
MARTIN MARIETTA MATERIALS INC	65,532	\$ 13,363,941	0.05%
MCCORMICK & CO INC	124,833	\$ 13,329,668	0.05%
SYNOPSYS INC	156,626	\$ 13,261,523	0.05%
CBOE HOLDINGS INC	118,282	\$ 13,248,767	0.05%
FRANKLIN RESOURCES INC	340,705	\$ 13,175,062	0.05%
TECHNIPFMC LTD	457,089	\$ 13,173,305	0.05%

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SCHEDULE OF INVESTMENTS			
SECURITY	SHARES	MARKET VALUE	% OF ASSETS
NEWELL BRANDS INC	510,942	\$ 13,126,100	0.05%
GALLAGHER ARTHUR J & CO	188,487	\$ 13,026,337	0.05%
MARATHON OIL CORP	885,797	\$ 12,861,772	0.05%
EQT CORP	255,240	\$ 12,841,124	0.05%
CHURCH & DWIGHT CO INC	260,554	\$ 12,816,651	0.05%
HESS CORP	281,577	\$ 12,789,227	0.05%
LKQ CORP	322,187	\$ 12,719,943	0.05%
LIMITED BRANDS INC	257,449	\$ 12,699,959	0.05%
CMS ENERGY CORP	294,006	\$ 12,480,555	0.05%
RAYMOND JAMES FINANCIAL INC	133,982	\$ 12,421,471	0.05%
HUNTINGTON INGALLS INDUSTRIES	47,276	\$ 12,386,785	0.05%
ULTA BEAUTY INC	60,840	\$ 12,371,814	0.05%
VIACOM INC	367,832	\$ 12,263,519	0.05%
WYNDHAM WORLDWIDE CORP	105,636	\$ 12,230,536	0.05%
WHIRLPOOL CORP	74,920	\$ 12,169,256	0.05%
CENTERPOINT ENERGY INC	449,354	\$ 12,155,026	0.05%
ALEXANDRIA REAL ESTATE EQUITIE REIT	99,787	\$ 12,105,161	0.05%
ALLIANCE DATA SYSTEMS CORP	50,112	\$ 12,074,988	0.05%
EXPEDITORS INTERNATIONAL OF WA	185,261	\$ 12,034,555	0.05%
VORNADO REALTY TRUST REIT	179,745	\$ 11,947,650	0.05%
UNUM GROUP	233,934	\$ 11,921,277	0.05%
AKAMAI TECHNOLOGIES INC	176,347	\$ 11,896,369	0.05%
DARDEN RESTAURANTS INC	128,933	\$ 11,886,333	0.05%
PENTAIR INC	172,168	\$ 11,826,220	0.05%
BAKER HUGHES A GE CO LLC	446,385	\$ 11,784,564	0.05%
CARMAX INC	190,085	\$ 11,770,063	0.05%
COOPER COS INC/THE	51,030	\$ 11,763,436	0.05%
PACKAGING CORP OF AMERICA	98,362	\$ 11,724,750	0.05%
CABOT OIL & GAS CORP	482,161	\$ 11,649,010	0.05%
PVH CORP	80,715	\$ 11,645,560	0.05%
INTERNATIONAL FLAVORS & FRAGRA	82,329	\$ 11,628,971	0.05%
KOHL'S CORP	175,749	\$ 11,615,251	0.05%
CINCINNATI FINANCIAL CORP	155,654	\$ 11,610,232	0.05%
ALBEMARLE CORP	115,194	\$ 11,568,933	0.05%
CA INC	327,259	\$ 11,486,791	0.05%
ZIONS BANCORPORATION	208,240	\$ 11,446,953	0.05%

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SCHEDULE OF INVESTMENTS			
SECURITY	SHARES	MARKET VALUE	% OF ASSETS
CADENCE DESIGN SYSTEMS INC	294,368	\$ 11,412,647	0.05%
VARIAN MEDICAL SYSTEMS INC	95,512	\$ 11,398,402	0.05%
NIelsen HOLDINGS PLC	349,037	\$ 11,389,077	0.05%
DAVITA INC	157,824	\$ 11,366,484	0.05%
HASBRO INC	118,168	\$ 11,293,316	0.05%
XL GROUP LTD	266,904	\$ 11,292,708	0.05%
EXTRA SPACE STORAGE INC REIT	131,265	\$ 11,164,088	0.04%
HOLOGIC INC	287,410	\$ 11,160,130	0.04%
PERRIGO CO	136,554	\$ 11,123,689	0.04%
KANSAS CITY SOUTHERN	107,947	\$ 11,122,859	0.04%
FMC CORP	139,971	\$ 10,984,924	0.04%
AFFILIATED MANAGERS GROUP INC	57,947	\$ 10,972,844	0.04%
AVERY DENNISON CORP	92,146	\$ 10,887,050	0.04%
SCHEIN HENRY INC	163,629	\$ 10,830,604	0.04%
ARCONIC INC	441,578	\$ 10,770,087	0.04%
TIFFANY & CO	106,441	\$ 10,754,799	0.04%
GARTNER INC	94,505	\$ 10,717,812	0.04%
QORVO INC	132,680	\$ 10,708,603	0.04%
HCP INC REIT	489,057	\$ 10,583,193	0.04%
HUNT JB TRANSPORT SERVICES	89,247	\$ 10,582,017	0.04%
NORWEGIAN CRUISE LINE HOLDIN	185,781	\$ 10,570,939	0.04%
UNIVERSAL HEALTH SERVICES INC	91,359	\$ 10,433,198	0.04%
ADVANCED MICRO DEVICES INC	854,955	\$ 10,353,505	0.04%
EVEREST RE GROUP LTD	42,815	\$ 10,285,876	0.04%
VERISIGN INC	88,376	\$ 10,253,384	0.04%
MID-AMERICA APARTMENT COMMUNIT REIT	118,458	\$ 10,166,066	0.04%
BORGWARNER INC	206,616	\$ 10,140,713	0.04%
JUNIPER NETWORKS INC	390,875	\$ 10,029,853	0.04%
CF INDUSTRIES HOLDINGS INC	243,166	\$ 10,028,166	0.04%
MICHAEL KORS HOLDINGS LTD	158,545	\$ 9,977,237	0.04%
SL GREEN REALTY CORP REIT	102,445	\$ 9,928,969	0.04%
DISH NETWORK CORP	237,615	\$ 9,906,169	0.04%
NASDAQ INC	121,307	\$ 9,795,540	0.04%
SMITH AO CORP	152,018	\$ 9,758,035	0.04%
FORTUNE BRANDS HOME & SECURITY	160,560	\$ 9,739,570	0.04%
F5 NETWORKS INC	65,257	\$ 9,691,970	0.04%

# LargeCap S&P 500 Index Separate Account

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SCHEDULE OF INVESTMENTS			
SECURITY	SHARES	MARKET VALUE	% OF ASSETS
MOSAIC CO/THE	365,944	\$ 9,631,646	0.04%
TORCHMARK CORP	111,932	\$ 9,555,635	0.04%
CIMAREX ENERGY CO	99,311	\$ 9,542,794	0.04%
COTY INC	492,260	\$ 9,510,463	0.04%
WESTERN UNION CO	478,826	\$ 9,490,331	0.04%
INTERPUBLIC GROUP OF COS INC	405,138	\$ 9,480,229	0.04%
SNAP-ON INC	59,433	\$ 9,462,922	0.04%
UDR INC REIT	278,952	\$ 9,378,366	0.04%
MACY'S INC	317,554	\$ 9,339,263	0.04%
ALLIANT ENERGY CORP	241,036	\$ 9,316,041	0.04%
DUKE REALTY CORP REIT	371,286	\$ 9,196,754	0.04%
HORMEL FOODS CORP	280,640	\$ 9,109,574	0.04%
SCRIPPS NETWORKS INTERACTIVE I	100,150	\$ 8,999,479	0.04%
PINNACLE WEST CAPITAL CORP	116,480	\$ 8,964,301	0.04%
REGENCY CENTERS CORP REIT	154,259	\$ 8,963,990	0.04%
ADVANCE AUTO PARTS INC	77,039	\$ 8,801,706	0.04%
PERKINELMER INC	114,901	\$ 8,771,542	0.04%
IRON MOUNTAIN INC NEW COM	278,289	\$ 8,754,972	0.04%
CAMPBELL SOUP CO	200,520	\$ 8,632,386	0.03%
FEDERAL REALTY INVESTMENT TRUS REIT	75,631	\$ 8,617,396	0.03%
TRACTOR SUPPLY CO	130,905	\$ 8,499,662	0.03%
ALLEGION PLC	99,024	\$ 8,328,909	0.03%
FLUOR CORP	145,823	\$ 8,297,329	0.03%
ALASKA AIR GROUP INC	128,279	\$ 8,273,996	0.03%
CHIPOTLE MEXICAN GRILL INC	25,903	\$ 8,247,774	0.03%
NISOURCE INC	351,117	\$ 8,121,336	0.03%
NRG ENERGY INC	313,603	\$ 8,109,774	0.03%
SEALED AIR CORP	188,059	\$ 7,968,060	0.03%
HARLEY-DAVIDSON INC	175,454	\$ 7,962,103	0.03%
PULTE HOMES INC	281,953	\$ 7,914,421	0.03%
LEUCADIA NATIONAL CORP	326,855	\$ 7,841,251	0.03%
JACOBS ENGINEERING GROUP INC	125,588	\$ 7,668,403	0.03%
AES CORP	688,471	\$ 7,483,680	0.03%
ROBERT HALF INTERNATIONAL INC	130,683	\$ 7,458,079	0.03%
GOODYEAR TIRE & RUBBER CO/THE	256,804	\$ 7,431,908	0.03%
HANESBRANDS INC	380,089	\$ 7,373,727	0.03%

# LargeCap S&P 500 Index Separate Account

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SCHEDULE OF INVESTMENTS			
SECURITY	SHARES	MARKET VALUE	% OF ASSETS
HELMERICH & PAYNE INC	113,223	\$ 7,308,545	0.03%
GAP INC	227,023	\$ 7,169,386	0.03%
FLIR SYSTEMS INC	144,467	\$ 7,093,330	0.03%
CSRA INC	170,745	\$ 6,920,295	0.03%
PEOPLE'S UNITED FINANCIAL INC	360,977	\$ 6,909,100	0.03%
GARMIN LTD	115,683	\$ 6,853,061	0.03%
XEROX CORP	222,561	\$ 6,748,050	0.03%
MACERICH CO REIT	113,006	\$ 6,660,574	0.03%
KIMCO REALTY CORP	443,757	\$ 6,638,605	0.03%
NEWS CORP - CLASS A	399,280	\$ 6,440,386	0.03%
APARTMENT INVESTMENT & MANAGEM REIT	163,699	\$ 6,328,603	0.03%
ACUITY BRANDS INC	43,945	\$ 6,265,678	0.03%
NORDSTROM INC	121,579	\$ 6,238,218	0.02%
RALPH LAUREN CORP	57,749	\$ 6,112,154	0.02%
LEGGETT & PLATT INC	137,424	\$ 5,972,447	0.02%
FOOT LOCKER INC	129,271	\$ 5,934,832	0.02%
SCANA CORP	148,681	\$ 5,898,175	0.02%
FLOWSERVE CORP	136,192	\$ 5,767,731	0.02%
MATTEL INC	358,348	\$ 5,697,733	0.02%
STERICYCLE INC	89,002	\$ 5,577,755	0.02%
QUANTA SERVICES INC	161,300	\$ 5,555,172	0.02%
BLOCK H&R INC	217,946	\$ 5,520,572	0.02%
BRIGHTHOUSE FINANCIAL INC	99,892	\$ 5,421,139	0.02%
DISCOVERY COMMUNICATIONS INC	211,868	\$ 4,868,727	0.02%
ENVISION HEALTHCARE CORP	126,131	\$ 4,856,044	0.02%
NEWFIELD EXPLORATION CO	207,666	\$ 4,844,848	0.02%
ASSURANT INC	56,099	\$ 4,794,782	0.02%
TRIPADVISOR INC	113,039	\$ 4,530,603	0.02%
DISCOVERY COMMUNICATIONS INC	160,553	\$ 3,904,649	0.02%
NAVIENT CORP	274,199	\$ 3,553,619	0.01%
UNDER ARMOUR INC	193,004	\$ 3,200,006	0.01%
SIGNET JEWELERS LTD	63,032	\$ 3,169,249	0.01%
RANGE RESOURCES CORP	235,403	\$ 3,128,506	0.01%
ISHARES	10,832	\$ 2,960,819	0.01%
UNDER ARMOUR INC	192,183	\$ 2,892,354	0.01%
PATTERSON COS INC	85,870	\$ 2,711,775	0.01%

# LargeCap S&P 500 Index Separate Account

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<b>SCHEDULE OF INVESTMENTS</b>			
<b>SECURITY</b>	<b>SHARES</b>	<b>MARKET VALUE</b>	<b>% OF ASSETS</b>
CHESAPEAKE ENERGY CORP	947,331	\$ 2,671,473	0.01%
NEWS CORP - CLASS A	126,953	\$ 2,082,029	0.01%
<b>TOTAL MARKET VALUE</b>		<b>\$ 24,134,276,371</b>	<b>96.67%</b>
<b>CASH AND OTHER</b>		<b>\$ 832,035,741</b>	<b>3.33%</b>
<b>TOTAL PORTFOLIO</b>		<b>\$ 24,966,312,112</b>	<b>100.00%</b>

# LargeCap S&P 500 Index Separate Account

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Each index-based investment option is invested in the stocks or bonds of the index it tracks. Performance of indexes reflects the unmanaged result for the market segment the selected stocks or bonds represent. There is no assurance an index-based investment option will match the performance of the index tracked.

Portfolio holdings may not reflect the current portfolio composition. The holdings listed do not constitute a recommendation to purchase or sell a particular security.

Separate Accounts are available through a group annuity contract with Principal Life Insurance Company. Insurance products and plan administrative, if applicable, services are provided by Principal Life Insurance Company, a member of Principal Financial Group, Des Moines, IA 50392. See the fact sheet for the full name of the Separate Account. Certain investment options may not be available in all states or U.S. commonwealths. Principal Life Insurance Company reserves the right to defer payments or transfers from Principal Life Separate Accounts as described in the group annuity contracts providing access to the Separate Accounts or as required by applicable law. Such deferment will be based on factors that may include situations such as: unstable or disorderly financial markets; investment conditions which do not allow for orderly investment transactions; or investment, liquidity, and other risks inherent in real estate (such as those associated with general and local economic conditions). If you elect to allocate funds to a Separate Account, you may not be able to immediately withdraw them.

Before directing retirement funds to a separate account, investors should carefully consider the investment objectives, risks, charges and expenses of the separate account as well as their individual risk tolerance, time horizon and goals. For additional information contact us at 1-800-547-7754 or by visiting [principal.com](http://principal.com).

An investment option's unit value and investment return will vary with market conditions, and the principal value of an investment when you sell your shares may be more or less than the original cost.

Information is current as of the creation of this piece. Keep in mind that portfolio holdings are subject to risk.