

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML EQUITY INDEX FUND	EQUITY	MEDTRONIC PLC	3,507,295.50	43,434	0.47		
MML EQUITY INDEX FUND	EQUITY	EVERSOURCE ENERGY	642,224.70	10,165	0.09		
MML EQUITY INDEX FUND	EQUITY	MYLAN NV	728,070.48	17,208	0.10		
MML EQUITY INDEX FUND	EQUITY	ALLERGAN PLC	1,745,725.76	10,672	0.24		
MML EQUITY INDEX FUND	EQUITY	MONSTER BEVERAGE CORP	835,997.61	13,209	0.11		
MML EQUITY INDEX FUND	EQUITY	WESTROCK CO	516,425.70	8,170	0.07		
MML EQUITY INDEX FUND	EQUITY	WEC ENERGY GROUP INC	672,603.75	10,125	0.09		
MML EQUITY INDEX FUND	EQUITY	KRAFT HEINZ CO/THE	1,489,648.32	19,157	0.20		
MML EQUITY INDEX FUND	EQUITY	PAYPAL HOLDINGS INC	2,668,945.86	36,253	0.36		
MML EQUITY INDEX FUND	EQUITY	NIELSEN HOLDINGS PLC	391,045.20	10,743	0.05		
MML EQUITY INDEX FUND	EQUITY	WELLTOWER INC	757,906.45	11,885	0.10		
MML EQUITY INDEX FUND	EQUITY	ALPHABET INC CL C	10,135,430.40	9,686	1.37		
MML EQUITY INDEX FUND	EQUITY	ALPHABET INC CL A	10,074,717.60	9,564	1.36		
MML EQUITY INDEX FUND	EQUITY	HEWLETT PACKARD ENTERPRISE	734,987.88	51,183	0.10		
MML EQUITY INDEX FUND	EQUITY	HP INC	1,126,009.94	53,594	0.15		
MML EQUITY INDEX FUND	EQUITY	CSRA INC	157,289.44	5,257	0.02		
MML EQUITY INDEX FUND	EQUITY	WILLIS TOWERS WATSON PLC	638,473.53	4,237	0.09		
MML EQUITY INDEX FUND	EQUITY	CHUBB LTD	2,176,752.48	14,896	0.29		
MML EQUITY INDEX FUND	EQUITY	BROADCOM LTD	3,351,774.30	13,047	0.45		
MML EQUITY INDEX FUND	EQUITY	DENTSPLY SIRONA INC	485,167.10	7,370	0.07		
MML EQUITY INDEX FUND	EQUITY	UNDER ARMOUR INC CLASS C	79,720.20	5,985	0.01		
MML EQUITY INDEX FUND	EQUITY	S+P GLOBAL INC	1,385,183.80	8,177	0.19		
MML EQUITY INDEX FUND	EQUITY	CHARTER COMMUNICATIONS INC A	2,090,343.12	6,222	0.28		
MML EQUITY INDEX FUND	EQUITY	FORTIVE CORP	709,898.20	9,812	0.10		
MML EQUITY INDEX FUND	EQUITY	IHS MARKIT LTD	526,223.25	11,655	0.07		
MML EQUITY INDEX FUND	EQUITY	XL GROUP LTD	288,980.04	8,219	0.04		
MML EQUITY INDEX FUND	EQUITY	JOHNSON CONTROLS INTERNATION	1,131,714.56	29,696	0.15		
MML EQUITY INDEX FUND	EQUITY	ARCONIC INC	370,409.25	13,593	0.05		
MML EQUITY INDEX FUND	EQUITY	ENVISION HEALTHCARE CORP	131,846.40	3,815	0.02		
MML EQUITY INDEX FUND	EQUITY	L3 TECHNOLOGIES INC	496,009.95	2,507	0.07		
MML EQUITY INDEX FUND	EQUITY	HILTON WORLDWIDE HOLDINGS IN	518,131.68	6,488	0.07		
MML EQUITY INDEX FUND	EQUITY	SBA COMMUNICATIONS CORP	616,193.92	3,772	0.08		
MML EQUITY INDEX FUND	EQUITY	GGP INC	468,618.65	20,035	0.06		
MML EQUITY INDEX FUND	CASH EQUIVALENT	TREASURY BILL	654,309.29	655,000	0.09	0	2/1/2018
MML EQUITY INDEX FUND	EQUITY	DXC TECHNOLOGY CO	868,714.60	9,154	0.12		
MML EQUITY INDEX FUND	EQUITY	XEROX CORP	199,764.95	6,853	0.03		
MML EQUITY INDEX FUND	FUTURE	S+P500 EMINI FUT MAR18	-	3,750	0.02	0	3/16/2018
MML EQUITY INDEX FUND	EQUITY	BAKER HUGHES A GE CO	434,765.24	13,741	0.06		
MML EQUITY INDEX FUND	EQUITY	BRIGHTHOUSE FINANCIAL INC	180,024.80	3,070	0.02		
MML EQUITY INDEX FUND	EQUITY	ANDEAVOR	526,535.70	4,605	0.07		
MML EQUITY INDEX FUND	EQUITY	DOWDUPONT INC	5,347,624.92	75,086	0.72		
MML EQUITY INDEX FUND	EQUITY	TAPESTRY INC	403,510.29	9,123	0.05		
MML EQUITY INDEX FUND	EQUITY	IQVIA HOLDINGS INC	457,388.80	4,672	0.06		
MML EQUITY INDEX FUND	EQUITY	APTIV PLC	723,599.90	8,530	0.10		
MML EQUITY INDEX FUND	CASH EQUIVALENT	FIXED INC CLEARING CORP.REPO	8,673,847.85	8,673,848	1.17	0.54	1/2/2018
MML EQUITY INDEX FUND	EQUITY	TECHNIPFMC PLC	440,594.32	14,072	0.06		
MML EQUITY INDEX FUND	EQUITY	RANGE RESOURCES CORP	123,599.70	7,245	0.02		
MML EQUITY INDEX FUND	EQUITY	CELGENE CORP	2,636,446.68	25,263	0.36		
MML EQUITY INDEX FUND	EQUITY	APPLE INC	27,880,473.27	164,749	3.76		
MML EQUITY INDEX FUND	EQUITY	CAPITAL ONE FINANCIAL CORP	1,548,867.32	15,554	0.21		
MML EQUITY INDEX FUND	EQUITY	GENERAL ELECTRIC CO	4,855,846.40	278,272	0.65		
MML EQUITY INDEX FUND	EQUITY	STATE STREET CORP	1,160,582.90	11,890	0.16		

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML EQUITY INDEX FUND	EQUITY	RAYMOND JAMES FINANCIAL INC	367,023.00	4,110	0.05		
MML EQUITY INDEX FUND	EQUITY	TRANSDIGM GROUP INC	425,935.62	1,551	0.06		
MML EQUITY INDEX FUND	EQUITY	E TRADE FINANCIAL CORP	429,920.61	8,673	0.06		
MML EQUITY INDEX FUND	EQUITY	FACEBOOK INC A	13,503,248.58	76,523	1.82		
MML EQUITY INDEX FUND	EQUITY	TWENTY FIRST CENTURY FOX B	480,614.32	14,086	0.06		
MML EQUITY INDEX FUND	EQUITY	INTERCONTINENTAL EXCHANGE IN	1,323,846.72	18,762	0.18		
MML EQUITY INDEX FUND	EQUITY	AMERICAN AIRLINES GROUP INC	711,041.98	13,666	0.10		
MML EQUITY INDEX FUND	EQUITY	INTL FLAVORS + FRAGRANCES	386,713.74	2,534	0.05		
MML EQUITY INDEX FUND	EQUITY	SIGNET JEWELERS LTD	108,858.75	1,925	0.01		
MML EQUITY INDEX FUND	EQUITY	DISCOVERY COMMUNICATIONS A	109,796.28	4,906	0.01		
MML EQUITY INDEX FUND	EQUITY	DISCOVERY COMMUNICATIONS C	137,986.06	6,518	0.02		
MML EQUITY INDEX FUND	EQUITY	EQT CORP	447,220.44	7,857	0.06		
MML EQUITY INDEX FUND	EQUITY	TIME WARNER INC	2,284,737.66	24,978	0.31		
MML EQUITY INDEX FUND	EQUITY	AMERICAN INTERNATIONAL GROUP	1,718,823.42	28,849	0.23		
MML EQUITY INDEX FUND	EQUITY	INGERSOLL RAND PLC	715,125.42	8,018	0.10		
MML EQUITY INDEX FUND	EQUITY	ACCENTURE PLC CL A	3,035,621.61	19,829	0.41		
MML EQUITY INDEX FUND	EQUITY	VERISK ANALYTICS INC	478,560.00	4,985	0.06		
MML EQUITY INDEX FUND	EQUITY	MERCK + CO. INC.	4,938,536.55	87,765	0.67		
MML EQUITY INDEX FUND	EQUITY	DOLLAR GENERAL CORP	777,749.62	8,362	0.10		
MML EQUITY INDEX FUND	EQUITY	BERKSHIRE HATHAWAY INC CL B	12,238,697.46	61,743	1.65		
MML EQUITY INDEX FUND	EQUITY	STANLEY BLACK + DECKER INC	835,044.49	4,921	0.11		
MML EQUITY INDEX FUND	EQUITY	LYONDELLBASELL INDU CL A	1,145,011.28	10,379	0.15		
MML EQUITY INDEX FUND	EQUITY	NEXTERA ENERGY INC	2,357,375.67	15,093	0.32		
MML EQUITY INDEX FUND	EQUITY	CBOE GLOBAL MARKETS INC	452,635.47	3,633	0.06		
MML EQUITY INDEX FUND	EQUITY	GARMIN LTD	212,128.77	3,561	0.03		
MML EQUITY INDEX FUND	EQUITY	SEAGATE TECHNOLOGY	388,484.40	9,285	0.05		
MML EQUITY INDEX FUND	EQUITY	UNITED CONTINENTAL HOLDINGS	544,659.40	8,081	0.07		
MML EQUITY INDEX FUND	EQUITY	GENERAL MOTORS CO	1,681,450.79	41,021	0.23		
MML EQUITY INDEX FUND	EQUITY	MOTOROLA SOLUTIONS INC	469,406.64	5,196	0.06		
MML EQUITY INDEX FUND	EQUITY	O REILLY AUTOMOTIVE INC	656,193.12	2,728	0.09		
MML EQUITY INDEX FUND	EQUITY	KINDER MORGAN INC	1,113,708.31	61,633	0.15		
MML EQUITY INDEX FUND	EQUITY	HCA HEALTHCARE INC	798,465.60	9,090	0.11		
MML EQUITY INDEX FUND	EQUITY	TE CONNECTIVITY LTD	1,072,336.32	11,283	0.14		
MML EQUITY INDEX FUND	EQUITY	CITIGROUP INC	6,313,018.81	84,841	0.85		
MML EQUITY INDEX FUND	EQUITY	MOSAIC CO/THE	289,085.56	11,266	0.04		
MML EQUITY INDEX FUND	EQUITY	PROLOGIS INC	1,101,379.23	17,073	0.15		
MML EQUITY INDEX FUND	EQUITY	MARATHON PETROLEUM CORP	1,034,038.56	15,672	0.14		
MML EQUITY INDEX FUND	EQUITY	PVH CORP	340,692.43	2,483	0.05		
MML EQUITY INDEX FUND	EQUITY	RALPH LAUREN CORP	184,257.13	1,777	0.02		
MML EQUITY INDEX FUND	EQUITY	FORTUNE BRANDS HOME + SECURI	338,230.48	4,942	0.05		
MML EQUITY INDEX FUND	EQUITY	CBRE GROUP INC A	419,760.52	9,692	0.06		
MML EQUITY INDEX FUND	EQUITY	XYLEM INC	392,968.40	5,762	0.05		
MML EQUITY INDEX FUND	EQUITY	TRIPADVISOR INC	118,783.62	3,447	0.02		
MML EQUITY INDEX FUND	EQUITY	MICHAEL KORS HOLDINGS LTD	307,133.05	4,879	0.04		
MML EQUITY INDEX FUND	EQUITY	EXPEDIA INC	472,492.65	3,945	0.06		
MML EQUITY INDEX FUND	EQUITY	AMERICAN TOWER CORP	1,963,281.87	13,761	0.26		
MML EQUITY INDEX FUND	EQUITY	AON PLC	1,074,412.00	8,018	0.14		
MML EQUITY INDEX FUND	EQUITY	EXPRESS SCRIPTS HOLDING CO	1,356,582.00	18,175	0.18		
MML EQUITY INDEX FUND	EQUITY	PHILLIPS 66	1,394,555.05	13,787	0.19		
MML EQUITY INDEX FUND	EQUITY	DUKE ENERGY CORP	1,889,110.60	22,460	0.25		
MML EQUITY INDEX FUND	EQUITY	MONDELEZ INTERNATIONAL INC A	2,052,260.00	47,950	0.28		
MML EQUITY INDEX FUND	EQUITY	EATON CORP PLC	1,117,122.39	14,139	0.15		

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML EQUITY INDEX FUND	EQUITY	ABBVIE INC	4,946,813.21	51,151	0.67		
MML EQUITY INDEX FUND	EQUITY	NORWEGIAN CRUISE LINE HOLDIN	304,483.50	5,718	0.04		
MML EQUITY INDEX FUND	EQUITY	ZOETIS INC	1,126,345.40	15,635	0.15		
MML EQUITY INDEX FUND	EQUITY	L BRANDS INC	477,243.50	7,925	0.06		
MML EQUITY INDEX FUND	EQUITY	COTY INC CL A	301,393.17	15,153	0.04		
MML EQUITY INDEX FUND	EQUITY	NEWS CORP CLASS A	198,945.33	12,273	0.03		
MML EQUITY INDEX FUND	EQUITY	TWENTY FIRST CENTURY FOX A	1,167,631.95	33,815	0.16		
MML EQUITY INDEX FUND	EQUITY	NEWS CORP CLASS B	64,989.00	3,915	0.01		
MML EQUITY INDEX FUND	EQUITY	ALLEGION PLC	242,578.44	3,049	0.03		
MML EQUITY INDEX FUND	EQUITY	PERRIGO CO PLC	366,333.48	4,203	0.05		
MML EQUITY INDEX FUND	EQUITY	NAVIENT CORP	112,194.36	8,423	0.02		
MML EQUITY INDEX FUND	EQUITY	PENTAIR PLC	374,215.38	5,299	0.05		
MML EQUITY INDEX FUND	EQUITY	SYNCHRONY FINANCIAL	911,311.83	23,603	0.12		
MML EQUITY INDEX FUND	EQUITY	CITIZENS FINANCIAL GROUP	662,738.26	15,787	0.09		
MML EQUITY INDEX FUND	EQUITY	ANTHEM INC	1,853,857.39	8,239	0.25		
MML EQUITY INDEX FUND	EQUITY	CROWN CASTLE INTL CORP	1,447,126.36	13,036	0.20		
MML EQUITY INDEX FUND	EQUITY	WALGREENS BOOTS ALLIANCE INC	2,023,193.20	27,860	0.27		
MML EQUITY INDEX FUND	EQUITY	QORVO INC	272,061.00	4,085	0.04		
MML EQUITY INDEX FUND	EQUITY	IRON MOUNTAIN INC	340,852.82	9,034	0.05		
MML EQUITY INDEX FUND	EQUITY	EQUINIX INC	1,137,582.20	2,510	0.15		
MML EQUITY INDEX FUND	EQUITY	PRUDENTIAL FINANCIAL INC	1,564,417.88	13,606	0.21		
MML EQUITY INDEX FUND	EQUITY	CENTENE CORP	558,370.80	5,535	0.08		
MML EQUITY INDEX FUND	EQUITY	3M CO	4,507,100.13	19,149	0.61		
MML EQUITY INDEX FUND	EQUITY	NOBLE ENERGY INC	455,079.38	15,617	0.06		
MML EQUITY INDEX FUND	EQUITY	YUM BRANDS INC	882,448.93	10,813	0.12		
MML EQUITY INDEX FUND	EQUITY	NETFLIX INC	2,665,556.56	13,886	0.36		
MML EQUITY INDEX FUND	EQUITY	JM SMUCKER CO/THE	452,854.80	3,645	0.06		
MML EQUITY INDEX FUND	EQUITY	SKYWORKS SOLUTIONS INC	559,825.20	5,896	0.08		
MML EQUITY INDEX FUND	EQUITY	CONOCOPHILLIPS	2,105,690.18	38,362	0.28		
MML EQUITY INDEX FUND	EQUITY	CENTERPOINT ENERGY INC	392,247.16	13,831	0.05		
MML EQUITY INDEX FUND	EQUITY	CIMAREX ENERGY CO	372,984.57	3,057	0.05		
MML EQUITY INDEX FUND	EQUITY	CARMAX INC	375,224.63	5,851	0.05		
MML EQUITY INDEX FUND	EQUITY	WYNN RESORTS LTD	433,782.07	2,573	0.06		
MML EQUITY INDEX FUND	EQUITY	COMCAST CORP CLASS A	5,993,883.00	149,660	0.81		
MML EQUITY INDEX FUND	EQUITY	ALTRIA GROUP INC	4,372,362.89	61,229	0.59		
MML EQUITY INDEX FUND	EQUITY	CARNIVAL CORP	868,584.19	13,087	0.12		
MML EQUITY INDEX FUND	EQUITY	PRICELINE GROUP INC/THE	2,719,563.10	1,565	0.37		
MML EQUITY INDEX FUND	EQUITY	INTUITIVE SURGICAL INC	1,311,959.30	3,595	0.18		
MML EQUITY INDEX FUND	EQUITY	LKQ CORP	403,365.06	9,918	0.05		
MML EQUITY INDEX FUND	EQUITY	BIOGEN INC	2,161,178.88	6,784	0.29		
MML EQUITY INDEX FUND	EQUITY	NRG ENERGY INC	275,002.88	9,656	0.04		
MML EQUITY INDEX FUND	EQUITY	ASSURANT INC	172,738.92	1,713	0.02		
MML EQUITY INDEX FUND	EQUITY	SALESFORCE.COM INC	2,250,900.14	22,018	0.30		
MML EQUITY INDEX FUND	EQUITY	REGIONS FINANCIAL CORP	643,092.48	37,216	0.09		
MML EQUITY INDEX FUND	EQUITY	PATTERSON COS INC	95,455.46	2,642	0.01		
MML EQUITY INDEX FUND	EQUITY	EXTRA SPACE STORAGE INC	353,385.45	4,041	0.05		
MML EQUITY INDEX FUND	EQUITY	DIGITAL REALTY TRUST INC	750,942.70	6,593	0.10		
MML EQUITY INDEX FUND	EQUITY	MOLSON COORS BREWING CO B	486,675.10	5,930	0.07		
MML EQUITY INDEX FUND	EQUITY	CF INDUSTRIES HOLDINGS INC	318,411.90	7,485	0.04		
MML EQUITY INDEX FUND	EQUITY	AMERIPRISE FINANCIAL INC	803,626.74	4,742	0.11		
MML EQUITY INDEX FUND	EQUITY	C.H. ROBINSON WORLDWIDE INC	398,499.57	4,473	0.05		
MML EQUITY INDEX FUND	EQUITY	UNDER ARMOUR INC CLASS A	86,984.04	6,028	0.01		

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML EQUITY INDEX FUND	EQUITY	AT+T INC	7,659,982.08	197,016	1.03		
MML EQUITY INDEX FUND	EQUITY	VIACOM INC CLASS B	348,738.39	11,319	0.05		
MML EQUITY INDEX FUND	EQUITY	CBS CORP CLASS B WHEN DISTRI	686,111.00	11,629	0.09		
MML EQUITY INDEX FUND	EQUITY	CHIPOTLE MEXICAN GRILL INC	230,356.91	797	0.03		
MML EQUITY INDEX FUND	EQUITY	FIDELITY NATIONAL INFO SERV	1,007,892.08	10,712	0.14		
MML EQUITY INDEX FUND	EQUITY	CA INC	335,196.16	10,072	0.05		
MML EQUITY INDEX FUND	EQUITY	HESS CORP	411,469.96	8,668	0.06		
MML EQUITY INDEX FUND	EQUITY	MASTERCARD INC A	4,510,982.08	29,803	0.61		
MML EQUITY INDEX FUND	EQUITY	WYNDHAM WORLDWIDE CORP	376,925.11	3,253	0.05		
MML EQUITY INDEX FUND	EQUITY	HANESBRANDS INC	244,584.27	11,697	0.03		
MML EQUITY INDEX FUND	EQUITY	WESTERN UNION CO	280,207.40	14,740	0.04		
MML EQUITY INDEX FUND	EQUITY	TRAVELERS COS INC/THE	1,191,326.12	8,783	0.16		
MML EQUITY INDEX FUND	EQUITY	UDR INC	330,732.72	8,586	0.04		
MML EQUITY INDEX FUND	EQUITY	PEOPLE S UNITED FINANCIAL	207,794.40	11,112	0.03		
MML EQUITY INDEX FUND	EQUITY	DELTA AIR LINES INC	1,178,744.00	21,049	0.16		
MML EQUITY INDEX FUND	EQUITY	MACY S INC	246,383.39	9,781	0.03		
MML EQUITY INDEX FUND	EQUITY	DISCOVER FINANCIAL SERVICES	896,733.36	11,658	0.12		
MML EQUITY INDEX FUND	EQUITY	BANK OF NEW YORK MELLON CORP	1,768,331.52	32,832	0.24		
MML EQUITY INDEX FUND	EQUITY	CME GROUP INC	1,593,551.55	10,911	0.21		
MML EQUITY INDEX FUND	EQUITY	CONCHO RESOURCES INC	716,849.84	4,772	0.10		
MML EQUITY INDEX FUND	EQUITY	HCP INC	392,634.40	15,055	0.05		
MML EQUITY INDEX FUND	EQUITY	ULTA BEAUTY INC	418,915.18	1,873	0.06		
MML EQUITY INDEX FUND	EQUITY	INVESCO LTD	476,554.68	13,042	0.06		
MML EQUITY INDEX FUND	EQUITY	DISH NETWORK CORP A	349,004.75	7,309	0.05		
MML EQUITY INDEX FUND	EQUITY	DOLLAR TREE INC	816,629.10	7,610	0.11		
MML EQUITY INDEX FUND	EQUITY	PHILIP MORRIS INTERNATIONAL	5,265,384.70	49,838	0.71		
MML EQUITY INDEX FUND	EQUITY	VISA INC CLASS A SHARES	6,634,709.78	58,189	0.89		
MML EQUITY INDEX FUND	EQUITY	NETAPP INC	478,849.92	8,656	0.06		
MML EQUITY INDEX FUND	EQUITY	AMERICAN WATER WORKS CO INC	523,597.27	5,723	0.07		
MML EQUITY INDEX FUND	EQUITY	DR PEPPER SNAPPLE GROUP INC	562,268.58	5,793	0.08		
MML EQUITY INDEX FUND	EQUITY	SCRIPPS NETWORKS INTER CL A	268,947.00	3,150	0.04		
MML EQUITY INDEX FUND	EQUITY	ACTIVISION BLIZZARD INC	1,536,269.84	24,262	0.21		
MML EQUITY INDEX FUND	EQUITY	WILLIAMS COS INC	808,899.70	26,530	0.11		
MML EQUITY INDEX FUND	EQUITY	XILINX INC	542,865.84	8,052	0.07		
MML EQUITY INDEX FUND	EQUITY	VERISIGN INC	311,391.24	2,721	0.04		
MML EQUITY INDEX FUND	EQUITY	HARTFORD FINANCIAL SVCS GRP	644,237.16	11,447	0.09		
MML EQUITY INDEX FUND	EQUITY	ELECTRONIC ARTS INC	1,037,992.80	9,880	0.14		
MML EQUITY INDEX FUND	EQUITY	AFLAC INC	1,107,344.70	12,615	0.15		
MML EQUITY INDEX FUND	EQUITY	METLIFE INC	1,707,259.52	33,767	0.23		
MML EQUITY INDEX FUND	EQUITY	MGM RESORTS INTERNATIONAL	545,959.89	16,351	0.07		
MML EQUITY INDEX FUND	EQUITY	SCHWAB (CHARLES) CORP	1,965,929.90	38,270	0.27		
MML EQUITY INDEX FUND	EQUITY	ADOBE SYSTEMS INC	2,771,771.08	15,817	0.37		
MML EQUITY INDEX FUND	EQUITY	HORMEL FOODS CORP	314,264.04	8,636	0.04		
MML EQUITY INDEX FUND	EQUITY	MCCORMICK + CO NON VTG SHRS	391,538.22	3,842	0.05		
MML EQUITY INDEX FUND	EQUITY	UNITEDHEALTH GROUP INC	6,855,424.16	31,096	0.92		
MML EQUITY INDEX FUND	EQUITY	AUTODESK INC	737,374.22	7,034	0.10		
MML EQUITY INDEX FUND	EQUITY	JACOBS ENGINEERING GROUP INC	255,067.32	3,867	0.03		
MML EQUITY INDEX FUND	EQUITY	LABORATORY CRP OF AMER HLDGS	521,119.17	3,267	0.07		
MML EQUITY INDEX FUND	EQUITY	CAMPBELL SOUP CO	296,934.92	6,172	0.04		
MML EQUITY INDEX FUND	EQUITY	PARKER HANNIFIN CORP	853,204.50	4,275	0.12		
MML EQUITY INDEX FUND	EQUITY	VF CORP	778,480.00	10,520	0.11		
MML EQUITY INDEX FUND	EQUITY	TYSON FOODS INC CL A	774,137.43	9,549	0.10		

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML EQUITY INDEX FUND	EQUITY	DANAHER CORP	1,823,077.62	19,641	0.25		
MML EQUITY INDEX FUND	EQUITY	SEALED AIR CORP	285,397.70	5,789	0.04		
MML EQUITY INDEX FUND	EQUITY	REPUBLIC SERVICES INC	493,079.73	7,293	0.07		
MML EQUITY INDEX FUND	EQUITY	AKAMAI TECHNOLOGIES INC	353,037.12	5,428	0.05		
MML EQUITY INDEX FUND	EQUITY	BLACKROCK INC	2,033,777.89	3,959	0.27		
MML EQUITY INDEX FUND	EQUITY	MARTIN MARIETTA MATERIALS	446,058.72	2,018	0.06		
MML EQUITY INDEX FUND	EQUITY	AGILENT TECHNOLOGIES INC	691,599.19	10,327	0.09		
MML EQUITY INDEX FUND	EQUITY	PACCAR INC	801,995.64	11,283	0.11		
MML EQUITY INDEX FUND	EQUITY	MICROCHIP TECHNOLOGY INC	659,539.40	7,505	0.09		
MML EQUITY INDEX FUND	EQUITY	NATIONAL OILWELL VARCO INC	439,335.94	12,197	0.06		
MML EQUITY INDEX FUND	EQUITY	STARBUCKS CORP	2,621,909.22	45,654	0.35		
MML EQUITY INDEX FUND	EQUITY	LEGGETT + PLATT INC	200,991.03	4,211	0.03		
MML EQUITY INDEX FUND	EQUITY	VERIZON COMMUNICATIONS INC	6,928,219.42	130,894	0.93		
MML EQUITY INDEX FUND	EQUITY	KANSAS CITY SOUTHERN	349,646.06	3,323	0.05		
MML EQUITY INDEX FUND	EQUITY	JUNIPER NETWORKS INC	342,883.50	12,031	0.05		
MML EQUITY INDEX FUND	EQUITY	NEWFIELD EXPLORATION CO	200,846.10	6,370	0.03		
MML EQUITY INDEX FUND	EQUITY	QUANTA SERVICES INC	194,259.37	4,967	0.03		
MML EQUITY INDEX FUND	EQUITY	ILLUMINA INC	1,023,625.65	4,685	0.14		
MML EQUITY INDEX FUND	EQUITY	FORD MOTOR CO	1,563,685.55	125,195	0.21		
MML EQUITY INDEX FUND	EQUITY	XCEL ENERGY INC	783,760.01	16,291	0.11		
MML EQUITY INDEX FUND	EQUITY	MOODY S CORP	786,613.69	5,329	0.11		
MML EQUITY INDEX FUND	EQUITY	CONSTELLATION BRANDS INC A	1,263,534.96	5,528	0.17		
MML EQUITY INDEX FUND	EQUITY	NASDAQ INC	286,038.09	3,723	0.04		
MML EQUITY INDEX FUND	EQUITY	DAVITA INC	351,062.75	4,859	0.05		
MML EQUITY INDEX FUND	EQUITY	MONSANTO CO	1,646,014.10	14,095	0.22		
MML EQUITY INDEX FUND	EQUITY	EXELON CORP	1,214,222.10	30,810	0.16		
MML EQUITY INDEX FUND	EQUITY	FLUOR CORP	231,185.40	4,476	0.03		
MML EQUITY INDEX FUND	EQUITY	AETNA INC	1,887,781.35	10,465	0.25		
MML EQUITY INDEX FUND	EQUITY	T ROWE PRICE GROUP INC	815,096.24	7,768	0.11		
MML EQUITY INDEX FUND	EQUITY	JPMORGAN CHASE + CO	11,906,164.90	111,335	1.61		
MML EQUITY INDEX FUND	EQUITY	GLOBAL PAYMENTS INC	511,825.44	5,106	0.07		
MML EQUITY INDEX FUND	EQUITY	ALIGN TECHNOLOGY INC	514,592.04	2,316	0.07		
MML EQUITY INDEX FUND	EQUITY	REGENCY CENTERS CORP	328,535.82	4,749	0.04		
MML EQUITY INDEX FUND	EQUITY	US BANCORP	2,710,076.40	50,580	0.37		
MML EQUITY INDEX FUND	EQUITY	RAYTHEON COMPANY	1,742,496.60	9,276	0.24		
MML EQUITY INDEX FUND	EQUITY	ALLIANCE DATA SYSTEMS CORP	390,866.16	1,542	0.05		
MML EQUITY INDEX FUND	EQUITY	ROCKWELL COLLINS INC	708,478.88	5,224	0.10		
MML EQUITY INDEX FUND	EQUITY	ZIMMER BIOMET HOLDINGS INC	783,992.99	6,497	0.11		
MML EQUITY INDEX FUND	EQUITY	AMERISOURCEBERGEN CORP	475,535.78	5,179	0.06		
MML EQUITY INDEX FUND	EQUITY	CHEVRON CORP	7,629,954.93	60,947	1.03		
MML EQUITY INDEX FUND	EQUITY	PRINCIPAL FINANCIAL GROUP	607,944.96	8,616	0.08		
MML EQUITY INDEX FUND	EQUITY	FOOT LOCKER INC	186,582.40	3,980	0.03		
MML EQUITY INDEX FUND	EQUITY	ADVANCE AUTO PARTS INC	236,464.68	2,372	0.03		
MML EQUITY INDEX FUND	EQUITY	ACUITY BRANDS INC	238,128.00	1,353	0.03		
MML EQUITY INDEX FUND	EQUITY	FLOWSERVE CORP	176,651.09	4,193	0.02		
MML EQUITY INDEX FUND	EQUITY	ARTHUR J GALLAGHER + CO	367,213.84	5,803	0.05		
MML EQUITY INDEX FUND	EQUITY	IDEXX LABORATORIES INC	437,707.62	2,799	0.06		
MML EQUITY INDEX FUND	EQUITY	INCYTE CORP	532,270.20	5,620	0.07		
MML EQUITY INDEX FUND	EQUITY	RESMED INC	385,593.57	4,553	0.05		
MML EQUITY INDEX FUND	EQUITY	STERICYCLE INC	186,292.60	2,740	0.03		
MML EQUITY INDEX FUND	EQUITY	VARIAN MEDICAL SYSTEMS INC	326,781.00	2,940	0.04		
MML EQUITY INDEX FUND	EQUITY	VERTEX PHARMACEUTICALS INC	1,216,113.90	8,115	0.16		

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML EQUITY INDEX FUND	EQUITY	ANALOG DEVICES INC	1,053,135.87	11,829	0.14		
MML EQUITY INDEX FUND	EQUITY	CARDINAL HEALTH INC	618,643.19	10,097	0.08		
MML EQUITY INDEX FUND	EQUITY	HARLEY DAVIDSON INC	274,802.88	5,401	0.04		
MML EQUITY INDEX FUND	EQUITY	INTERPUBLIC GROUP OF COS INC	251,133.12	12,457	0.03		
MML EQUITY INDEX FUND	EQUITY	KROGER CO	783,532.80	28,544	0.11		
MML EQUITY INDEX FUND	EQUITY	PEPSICO INC	5,472,429.28	45,634	0.74		
MML EQUITY INDEX FUND	EQUITY	UNITED PARCEL SERVICE CL B	2,626,780.90	22,046	0.35		
MML EQUITY INDEX FUND	EQUITY	SHERWIN WILLIAMS CO/THE	1,082,915.64	2,641	0.15		
MML EQUITY INDEX FUND	EQUITY	NEWELL BRANDS INC	485,995.20	15,728	0.07		
MML EQUITY INDEX FUND	EQUITY	SNAP ON INC	318,794.70	1,829	0.04		
MML EQUITY INDEX FUND	EQUITY	ANADARKO PETROLEUM CORP	941,811.12	17,558	0.13		
MML EQUITY INDEX FUND	EQUITY	DEERE + CO	1,606,418.64	10,264	0.22		
MML EQUITY INDEX FUND	EQUITY	KIMCO REALTY CORP	248,001.60	13,664	0.03		
MML EQUITY INDEX FUND	EQUITY	TIFFANY + CO	340,644.15	3,277	0.05		
MML EQUITY INDEX FUND	EQUITY	VORNADO REALTY TRUST	432,491.76	5,532	0.06		
MML EQUITY INDEX FUND	EQUITY	ZIONS BANCORPORATION	325,769.47	6,409	0.04		
MML EQUITY INDEX FUND	EQUITY	AVALONBAY COMMUNITIES INC	790,356.30	4,430	0.11		
MML EQUITY INDEX FUND	EQUITY	BOSTON PROPERTIES INC	643,778.53	4,951	0.09		
MML EQUITY INDEX FUND	EQUITY	EQUITY RESIDENTIAL	751,848.30	11,790	0.10		
MML EQUITY INDEX FUND	EQUITY	HOST HOTELS + RESORTS INC	471,397.80	23,748	0.06		
MML EQUITY INDEX FUND	EQUITY	SL GREEN REALTY CORP	318,333.22	3,154	0.04		
MML EQUITY INDEX FUND	EQUITY	DUKE REALTY CORP	310,983.09	11,429	0.04		
MML EQUITY INDEX FUND	EQUITY	PUBLIC STORAGE	1,003,827.00	4,803	0.14		
MML EQUITY INDEX FUND	EQUITY	SIMON PROPERTY GROUP INC	1,713,106.50	9,975	0.23		
MML EQUITY INDEX FUND	EQUITY	AIR PRODUCTS + CHEMICALS INC	1,147,411.44	6,993	0.15		
MML EQUITY INDEX FUND	EQUITY	AUTOMATIC DATA PROCESSING	1,667,613.70	14,230	0.22		
MML EQUITY INDEX FUND	EQUITY	CIGNA CORP	1,606,848.08	7,912	0.22		
MML EQUITY INDEX FUND	EQUITY	CATERPILLAR INC	3,008,359.78	19,091	0.41		
MML EQUITY INDEX FUND	EQUITY	COLGATE PALMOLIVE CO	2,125,803.75	28,175	0.29		
MML EQUITY INDEX FUND	EQUITY	ECOLAB INC	1,119,329.56	8,342	0.15		
MML EQUITY INDEX FUND	EQUITY	GENERAL MILLS INC	1,081,271.73	18,237	0.15		
MML EQUITY INDEX FUND	EQUITY	GOLDMAN SACHS GROUP INC	2,867,069.04	11,254	0.39		
MML EQUITY INDEX FUND	EQUITY	PAYCHEX INC	698,500.80	10,260	0.09		
MML EQUITY INDEX FUND	EQUITY	ROSS STORES INC	992,933.25	12,373	0.13		
MML EQUITY INDEX FUND	EQUITY	SCHLUMBERGER LTD	2,995,552.89	44,451	0.40		
MML EQUITY INDEX FUND	EQUITY	ADVANCED MICRO DEVICES	270,528.48	26,316	0.04		
MML EQUITY INDEX FUND	EQUITY	AUTOZONE INC	627,428.34	882	0.08		
MML EQUITY INDEX FUND	EQUITY	AVERY DENNISON CORP	325,742.96	2,836	0.04		
MML EQUITY INDEX FUND	EQUITY	BOEING CO/THE	5,298,058.15	17,965	0.71		
MML EQUITY INDEX FUND	EQUITY	CORNING INC	892,073.14	27,886	0.12		
MML EQUITY INDEX FUND	EQUITY	DOVER CORP	504,849.01	4,999	0.07		
MML EQUITY INDEX FUND	EQUITY	EQUIFAX INC	454,345.76	3,853	0.06		
MML EQUITY INDEX FUND	EQUITY	FEDEX CORP	1,975,109.10	7,915	0.27		
MML EQUITY INDEX FUND	EQUITY	FISERV INC	876,604.05	6,685	0.12		
MML EQUITY INDEX FUND	EQUITY	HALLIBURTON CO	1,368,311.13	27,999	0.18		
MML EQUITY INDEX FUND	EQUITY	HERSHEY CO/THE	513,859.77	4,527	0.07		
MML EQUITY INDEX FUND	EQUITY	KLA TENCOR CORP	528,397.03	5,029	0.07		
MML EQUITY INDEX FUND	EQUITY	KOHL'S CORP	293,601.22	5,414	0.04		
MML EQUITY INDEX FUND	EQUITY	PPG INDUSTRIES INC	953,835.30	8,165	0.13		
MML EQUITY INDEX FUND	EQUITY	QUALCOMM INC	3,028,338.06	47,303	0.41		
MML EQUITY INDEX FUND	EQUITY	ROCKWELL AUTOMATION INC	809,551.05	4,123	0.11		
MML EQUITY INDEX FUND	EQUITY	SOUTHWEST AIRLINES CO	1,146,487.65	17,517	0.15		

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML EQUITY INDEX FUND	EQUITY	SUNTRUST BANKS INC	986,353.89	15,271	0.13		
MML EQUITY INDEX FUND	EQUITY	TJX COMPANIES INC	1,561,083.82	20,417	0.21		
MML EQUITY INDEX FUND	EQUITY	VULCAN MATERIALS CO	544,930.65	4,245	0.07		
MML EQUITY INDEX FUND	EQUITY	WEYERHAEUSER CO	853,926.68	24,218	0.12		
MML EQUITY INDEX FUND	EQUITY	BOSTON SCIENTIFIC CORP	1,092,371.35	44,065	0.15		
MML EQUITY INDEX FUND	EQUITY	CVS HEALTH CORP	2,356,685.00	32,506	0.32		
MML EQUITY INDEX FUND	EQUITY	CISCO SYSTEMS INC	6,075,414.10	158,627	0.82		
MML EQUITY INDEX FUND	EQUITY	WALT DISNEY CO/THE	5,209,504.56	48,456	0.70		
MML EQUITY INDEX FUND	EQUITY	EXXON MOBIL CORP	11,372,028.96	135,964	1.53		
MML EQUITY INDEX FUND	EQUITY	GAP INC/THE	238,079.40	6,990	0.03		
MML EQUITY INDEX FUND	EQUITY	HOME DEPOT INC	7,101,878.63	37,471	0.96		
MML EQUITY INDEX FUND	EQUITY	MICROSOFT CORP	21,174,913.76	247,544	2.86		
MML EQUITY INDEX FUND	EQUITY	MICRON TECHNOLOGY INC	1,521,727.84	37,007	0.21		
MML EQUITY INDEX FUND	EQUITY	MORGAN STANLEY	2,342,890.44	44,652	0.32		
MML EQUITY INDEX FUND	EQUITY	OMNICOM GROUP	538,359.36	7,392	0.07		
MML EQUITY INDEX FUND	EQUITY	ORACLE CORP	4,622,092.80	97,760	0.62		
MML EQUITY INDEX FUND	EQUITY	PFIZER INC	6,927,473.42	191,261	0.93		
MML EQUITY INDEX FUND	EQUITY	PRAXAIR INC	1,421,045.16	9,187	0.19		
MML EQUITY INDEX FUND	EQUITY	WAL MART STORES INC	4,638,090.00	46,968	0.63		
MML EQUITY INDEX FUND	EQUITY	WATERS CORP	493,020.88	2,552	0.07		
MML EQUITY INDEX FUND	EQUITY	WELLS FARGO + CO	8,627,698.69	142,207	1.16		
MML EQUITY INDEX FUND	EQUITY	BAXTER INTERNATIONAL INC	1,039,669.76	16,084	0.14		
MML EQUITY INDEX FUND	EQUITY	H+R BLOCK INC	174,572.76	6,658	0.02		
MML EQUITY INDEX FUND	EQUITY	GENUINE PARTS CO	447,022.05	4,705	0.06		
MML EQUITY INDEX FUND	EQUITY	KIMBERLY CLARK CORP	1,362,010.08	11,288	0.18		
MML EQUITY INDEX FUND	EQUITY	MASCO CORP	443,442.48	10,092	0.06		
MML EQUITY INDEX FUND	EQUITY	PNC FINANCIAL SERVICES GROUP	2,202,442.56	15,264	0.30		
MML EQUITY INDEX FUND	EQUITY	TORCHMARK CORP	312,314.53	3,443	0.04		
MML EQUITY INDEX FUND	EQUITY	BANK OF AMERICA CORP	9,188,542.80	311,265	1.24		
MML EQUITY INDEX FUND	EQUITY	EMERSON ELECTRIC CO	1,435,265.55	20,595	0.19		
MML EQUITY INDEX FUND	EQUITY	WW GRAINGER INC	393,120.00	1,664	0.05		
MML EQUITY INDEX FUND	EQUITY	HARRIS CORP	541,527.95	3,823	0.07		
MML EQUITY INDEX FUND	EQUITY	INTL BUSINESS MACHINES CORP	4,238,534.34	27,627	0.57		
MML EQUITY INDEX FUND	CASH	US DOLLAR	(155,864.95)	(155,865)	0.02		0
MML EQUITY INDEX FUND	EQUITY	EDWARDS LIFESCIENCES CORP	765,300.90	6,790	0.10		
MML EQUITY INDEX FUND	EQUITY	ABBOTT LABORATORIES	3,187,530.71	55,853	0.43		
MML EQUITY INDEX FUND	EQUITY	BRISTOL MYERS SQUIBB CO	3,218,241.76	52,517	0.43		
MML EQUITY INDEX FUND	EQUITY	ILLINOIS TOOL WORKS	1,650,647.05	9,893	0.22		
MML EQUITY INDEX FUND	EQUITY	LOWE S COS INC	2,483,728.56	26,724	0.34		
MML EQUITY INDEX FUND	EQUITY	MARSH + MCLENNAN COS	1,332,842.64	16,376	0.18		
MML EQUITY INDEX FUND	EQUITY	MATTEL INC	169,164.62	10,999	0.02		
MML EQUITY INDEX FUND	EQUITY	NUCOR CORP	648,643.16	10,202	0.09		
MML EQUITY INDEX FUND	EQUITY	SYSCO CORP	934,148.86	15,382	0.13		
MML EQUITY INDEX FUND	EQUITY	TEXAS INSTRUMENTS INC	3,302,810.56	31,624	0.45		
MML EQUITY INDEX FUND	EQUITY	TEXTRON INC	478,298.68	8,452	0.06		
MML EQUITY INDEX FUND	EQUITY	CADENCE DESIGN SYS INC	378,889.20	9,060	0.05		
MML EQUITY INDEX FUND	EQUITY	COSTCO WHOLESALE CORP	2,609,774.64	14,022	0.35		
MML EQUITY INDEX FUND	EQUITY	INTEL CORP	6,931,893.36	150,171	0.94		
MML EQUITY INDEX FUND	EQUITY	JOHNSON + JOHNSON	12,044,422.88	86,204	1.62		
MML EQUITY INDEX FUND	EQUITY	ELI LILLY + CO	2,625,608.02	31,087	0.35		
MML EQUITY INDEX FUND	EQUITY	MCDONALD S CORP	4,402,829.60	25,580	0.59		
MML EQUITY INDEX FUND	EQUITY	SYNOPSIS INC	410,771.56	4,819	0.06		

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML EQUITY INDEX FUND	EQUITY	TARGET CORP	1,138,351.50	17,446	0.15		
MML EQUITY INDEX FUND	EQUITY	UNITED TECHNOLOGIES CORP	3,040,120.67	23,831	0.41		
MML EQUITY INDEX FUND	EQUITY	WASTE MANAGEMENT INC	1,106,193.40	12,818	0.15		
MML EQUITY INDEX FUND	EQUITY	WHIRLPOOL CORP	388,883.84	2,306	0.05		
MML EQUITY INDEX FUND	EQUITY	AMERICAN EXPRESS CO	2,295,451.34	23,114	0.31		
MML EQUITY INDEX FUND	EQUITY	COCA COLA CO/THE	5,645,258.72	123,044	0.76		
MML EQUITY INDEX FUND	EQUITY	MARRIOTT INTERNATIONAL CL A	1,333,818.71	9,827	0.18		
MML EQUITY INDEX FUND	EQUITY	NIKE INC CL B	2,636,982.90	42,158	0.36		
MML EQUITY INDEX FUND	EQUITY	ANSYS INC	401,887.57	2,723	0.05		
MML EQUITY INDEX FUND	EQUITY	APPLIED MATERIALS INC	1,749,479.76	34,223	0.24		
MML EQUITY INDEX FUND	EQUITY	CABOT OIL + GAS CORP	424,452.60	14,841	0.06		
MML EQUITY INDEX FUND	EQUITY	CERNER CORP	682,862.87	10,133	0.09		
MML EQUITY INDEX FUND	EQUITY	CHURCH + DWIGHT CO INC	402,263.06	8,018	0.05		
MML EQUITY INDEX FUND	EQUITY	COGNIZANT TECH SOLUTIONS A	1,343,556.36	18,918	0.18		
MML EQUITY INDEX FUND	EQUITY	COOPER COS INC/THE	342,289.48	1,571	0.05		
MML EQUITY INDEX FUND	EQUITY	FLIR SYSTEMS INC	207,272.52	4,446	0.03		
MML EQUITY INDEX FUND	EQUITY	DTE ENERGY COMPANY	630,051.76	5,756	0.08		
MML EQUITY INDEX FUND	EQUITY	DEVON ENERGY CORP	698,169.60	16,864	0.09		
MML EQUITY INDEX FUND	EQUITY	DOMINION ENERGY INC	1,673,726.88	20,648	0.23		
MML EQUITY INDEX FUND	EQUITY	EASTMAN CHEMICAL CO	427,255.68	4,612	0.06		
MML EQUITY INDEX FUND	EQUITY	ENTERGY CORP	470,922.54	5,786	0.06		
MML EQUITY INDEX FUND	EQUITY	FMC CORP	407,795.28	4,308	0.06		
MML EQUITY INDEX FUND	EQUITY	FIRSTENERGY CORP	437,161.74	14,277	0.06		
MML EQUITY INDEX FUND	EQUITY	GOODYEAR TIRE + RUBBER CO	255,378.24	7,904	0.03		
MML EQUITY INDEX FUND	EQUITY	HELMERICH + PAYNE	225,335.04	3,486	0.03		
MML EQUITY INDEX FUND	EQUITY	HUMANA INC	1,137,152.88	4,584	0.15		
MML EQUITY INDEX FUND	EQUITY	INTERNATIONAL PAPER CO	767,589.12	13,248	0.10		
MML EQUITY INDEX FUND	EQUITY	KEYCORP	695,905.34	34,502	0.09		
MML EQUITY INDEX FUND	EQUITY	LAM RESEARCH CORP	956,611.79	5,197	0.13		
MML EQUITY INDEX FUND	EQUITY	LENNAR CORP A	415,044.12	6,563	0.06		
MML EQUITY INDEX FUND	EQUITY	LOCKHEED MARTIN CORP	2,570,005.25	8,005	0.35		
MML EQUITY INDEX FUND	EQUITY	NORFOLK SOUTHERN CORP	1,330,326.90	9,181	0.18		
MML EQUITY INDEX FUND	EQUITY	NORTHROP GRUMMAN CORP	1,714,092.35	5,585	0.23		
MML EQUITY INDEX FUND	EQUITY	OCCIDENTAL PETROLEUM CORP	1,808,721.30	24,555	0.24		
MML EQUITY INDEX FUND	EQUITY	P G + E CORP	737,812.14	16,458	0.10		
MML EQUITY INDEX FUND	EQUITY	PPL CORP	678,609.70	21,926	0.09		
MML EQUITY INDEX FUND	EQUITY	PIONEER NATURAL RESOURCES CO	943,761.00	5,460	0.13		
MML EQUITY INDEX FUND	EQUITY	PUBLIC SERVICE ENTERPRISE GP	836,308.50	16,239	0.11		
MML EQUITY INDEX FUND	EQUITY	PULTEGROUP INC	288,676.50	8,682	0.04		
MML EQUITY INDEX FUND	EQUITY	SCANA CORP	182,112.84	4,578	0.02		
MML EQUITY INDEX FUND	EQUITY	THERMO FISHER SCIENTIFIC INC	2,443,185.96	12,867	0.33		
MML EQUITY INDEX FUND	EQUITY	MARATHON OIL CORP	461,647.24	27,268	0.06		
MML EQUITY INDEX FUND	EQUITY	UNION PACIFIC CORP	3,387,097.80	25,258	0.46		
MML EQUITY INDEX FUND	EQUITY	UNITED RENTALS INC	466,219.92	2,712	0.06		
MML EQUITY INDEX FUND	EQUITY	VALERO ENERGY CORP	1,290,508.31	14,041	0.17		
MML EQUITY INDEX FUND	EQUITY	CHESAPEAKE ENERGY CORP	115,172.64	29,084	0.02		
MML EQUITY INDEX FUND	EQUITY	HOLOGIC INC	378,209.25	8,847	0.05		
MML EQUITY INDEX FUND	EQUITY	HUNT (JB) TRANSPRT SVCS INC	315,735.08	2,746	0.04		
MML EQUITY INDEX FUND	EQUITY	QUEST DIAGNOSTICS INC	430,893.75	4,375	0.06		
MML EQUITY INDEX FUND	EQUITY	REGENERON PHARMACEUTICALS	929,373.12	2,472	0.13		
MML EQUITY INDEX FUND	EQUITY	HENRY SCHEIN INC	352,055.44	5,038	0.05		
MML EQUITY INDEX FUND	EQUITY	TRACTOR SUPPLY COMPANY	301,242.50	4,030	0.04		

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML EQUITY INDEX FUND	EQUITY	AFFILIATED MANAGERS GROUP	365,345.00	1,780	0.05		
MML EQUITY INDEX FUND	EQUITY	ALEXION PHARMACEUTICALS INC	857,340.71	7,169	0.12		
MML EQUITY INDEX FUND	EQUITY	AMETEK INC	537,292.58	7,414	0.07		
MML EQUITY INDEX FUND	EQUITY	WESTERN DIGITAL CORP	754,898.76	9,492	0.10		
MML EQUITY INDEX FUND	EQUITY	ALEXANDRIA REAL ESTATE EQUIT	401,041.89	3,071	0.05		
MML EQUITY INDEX FUND	EQUITY	AMPHENOL CORP CL A	860,001.00	9,795	0.12		
MML EQUITY INDEX FUND	EQUITY	APARTMENT INVT + MGMT CO A	220,254.69	5,039	0.03		
MML EQUITY INDEX FUND	EQUITY	BALL CORP	425,093.35	11,231	0.06		
MML EQUITY INDEX FUND	EQUITY	ESSEX PROPERTY TRUST INC	511,463.03	2,119	0.07		
MML EQUITY INDEX FUND	EQUITY	FEDERAL REALTY INVS TRUST	309,181.68	2,328	0.04		
MML EQUITY INDEX FUND	EQUITY	GILEAD SCIENCES INC	3,002,862.24	41,916	0.41		
MML EQUITY INDEX FUND	EQUITY	MACERICH CO/THE	227,646.88	3,466	0.03		
MML EQUITY INDEX FUND	EQUITY	METTLER TOLEDO INTERNATIONAL	508,625.92	821	0.07		
MML EQUITY INDEX FUND	EQUITY	NVIDIA CORP	3,762,607.50	19,445	0.51		
MML EQUITY INDEX FUND	EQUITY	SYMANTEC CORP	558,225.64	19,894	0.08		
MML EQUITY INDEX FUND	EQUITY	UNIVERSAL HEALTH SERVICES B	318,853.55	2,813	0.04		
MML EQUITY INDEX FUND	EQUITY	BECTON DICKINSON AND CO	1,820,152.82	8,503	0.25		
MML EQUITY INDEX FUND	EQUITY	CENTURYLINK INC	520,682.88	31,216	0.07		
MML EQUITY INDEX FUND	EQUITY	CLOROX COMPANY	615,337.38	4,137	0.08		
MML EQUITY INDEX FUND	EQUITY	CONAGRA BRANDS INC	493,703.02	13,106	0.07		
MML EQUITY INDEX FUND	EQUITY	FRANKLIN RESOURCES INC	453,275.13	10,461	0.06		
MML EQUITY INDEX FUND	EQUITY	GENERAL DYNAMICS CORP	1,812,739.50	8,910	0.24		
MML EQUITY INDEX FUND	EQUITY	HASBRO INC	330,566.93	3,637	0.04		
MML EQUITY INDEX FUND	EQUITY	HONEYWELL INTERNATIONAL INC	3,748,885.20	24,445	0.51		
MML EQUITY INDEX FUND	EQUITY	PROCTER + GAMBLE CO/THE	7,512,200.68	81,761	1.01		
MML EQUITY INDEX FUND	EQUITY	AES CORP	229,195.29	21,163	0.03		
MML EQUITY INDEX FUND	EQUITY	AMGEN INC	4,050,652.70	23,293	0.55		
MML EQUITY INDEX FUND	EQUITY	BEST BUY CO INC	558,783.67	8,161	0.08		
MML EQUITY INDEX FUND	EQUITY	TOTAL SYSTEM SERVICES INC	424,555.12	5,368	0.06		
MML EQUITY INDEX FUND	EQUITY	VENTAS INC	685,854.29	11,429	0.09		
MML EQUITY INDEX FUND	EQUITY	RED HAT INC	681,927.80	5,678	0.09		
MML EQUITY INDEX FUND	EQUITY	GARTNER INC	358,243.35	2,909	0.05		
MML EQUITY INDEX FUND	EQUITY	F5 NETWORKS INC	263,489.76	2,008	0.04		
MML EQUITY INDEX FUND	EQUITY	INTUIT INC	1,229,579.54	7,793	0.17		
MML EQUITY INDEX FUND	EQUITY	LEUCADIA NATIONAL CORP	266,224.50	10,050	0.04		
MML EQUITY INDEX FUND	EQUITY	HUNTINGTON BANCSHARES INC	504,868.00	34,675	0.07		
MML EQUITY INDEX FUND	EQUITY	STRYKER CORP	1,599,032.68	10,327	0.22		
MML EQUITY INDEX FUND	EQUITY	ESTEE LAUDER COMPANIES CL A	913,964.92	7,183	0.12		
MML EQUITY INDEX FUND	EQUITY	CITRIX SYSTEMS INC	404,184.00	4,593	0.05		
MML EQUITY INDEX FUND	EQUITY	NORTHERN TRUST CORP	716,510.97	7,173	0.10		
MML EQUITY INDEX FUND	EQUITY	NORDSTROM INC	175,116.48	3,696	0.02		
MML EQUITY INDEX FUND	EQUITY	KELLOGG CO	542,616.36	7,982	0.07		
MML EQUITY INDEX FUND	EQUITY	M + T BANK CORP	825,539.72	4,828	0.11		
MML EQUITY INDEX FUND	EQUITY	PACKAGING CORP OF AMERICA	365,025.40	3,028	0.05		
MML EQUITY INDEX FUND	EQUITY	EXPEDITORS INTL WASH INC	368,733.00	5,700	0.05		
MML EQUITY INDEX FUND	EQUITY	NEWMONT MINING CORP	642,192.32	17,116	0.09		
MML EQUITY INDEX FUND	EQUITY	ROYAL CARIBBEAN CRUISES LTD	655,562.88	5,496	0.09		
MML EQUITY INDEX FUND	EQUITY	FIFTH THIRD BANCORP	686,776.24	22,636	0.09		
MML EQUITY INDEX FUND	EQUITY	FREEPORT MCMORAN INC	819,109.92	43,202	0.11		
MML EQUITY INDEX FUND	EQUITY	BB+T CORP	1,258,462.92	25,311	0.17		
MML EQUITY INDEX FUND	EQUITY	COMERICA INC	484,226.18	5,578	0.07		
MML EQUITY INDEX FUND	EQUITY	SEMPRA ENERGY	861,454.44	8,057	0.12		

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML EQUITY INDEX FUND	EQUITY	PROGRESSIVE CORP	1,050,987.52	18,661	0.14		
MML EQUITY INDEX FUND	EQUITY	AMAZON.COM INC	15,008,977.98	12,834	2.02		
MML EQUITY INDEX FUND	EQUITY	MCKESSON CORP	1,043,305.50	6,690	0.14		
MML EQUITY INDEX FUND	EQUITY	MOHAWK INDUSTRIES INC	559,525.20	2,028	0.08		
MML EQUITY INDEX FUND	EQUITY	CINTAS CORP	430,558.29	2,763	0.06		
MML EQUITY INDEX FUND	EQUITY	ROBERT HALF INTL INC	223,326.34	4,021	0.03		
MML EQUITY INDEX FUND	EQUITY	FASTENAL CO	504,296.49	9,221	0.07		
MML EQUITY INDEX FUND	EQUITY	EBAY INC	1,176,431.28	31,172	0.16		
MML EQUITY INDEX FUND	EQUITY	BROWN FORMAN CORP CLASS B	431,453.61	6,283	0.06		
MML EQUITY INDEX FUND	EQUITY	ALLIANT ENERGY CORP	316,251.42	7,422	0.04		
MML EQUITY INDEX FUND	EQUITY	BORGWARNER INC	324,830.22	6,358	0.04		
MML EQUITY INDEX FUND	EQUITY	EOG RESOURCES INC	2,002,054.23	18,553	0.27		
MML EQUITY INDEX FUND	EQUITY	EDISON INTERNATIONAL	661,174.20	10,455	0.09		
MML EQUITY INDEX FUND	EQUITY	LINCOLN NATIONAL CORP	539,781.14	7,022	0.07		
MML EQUITY INDEX FUND	EQUITY	LOEWS CORP	443,165.74	8,858	0.06		
MML EQUITY INDEX FUND	EQUITY	NISOURCE INC	277,595.38	10,814	0.04		
MML EQUITY INDEX FUND	EQUITY	ONEOK INC	657,702.25	12,305	0.09		
MML EQUITY INDEX FUND	EQUITY	PINNACLE WEST CAPITAL	305,540.66	3,587	0.04		
MML EQUITY INDEX FUND	EQUITY	SOUTHERN CO/THE	1,548,786.54	32,206	0.21		
MML EQUITY INDEX FUND	EQUITY	UNUM GROUP	395,208.00	7,200	0.05		
MML EQUITY INDEX FUND	EQUITY	SMITH (A.O.) CORP	286,667.84	4,678	0.04		
MML EQUITY INDEX FUND	EQUITY	DARDEN RESTAURANTS INC	381,103.38	3,969	0.05		
MML EQUITY INDEX FUND	EQUITY	MID AMERICA APARTMENT COMM	366,641.76	3,646	0.05		
MML EQUITY INDEX FUND	EQUITY	PERKINELMER INC	258,625.44	3,537	0.03		
MML EQUITY INDEX FUND	EQUITY	REALTY INCOME CORP	515,631.86	9,043	0.07		
MML EQUITY INDEX FUND	EQUITY	ROPER TECHNOLOGIES INC	850,556.00	3,284	0.11		
MML EQUITY INDEX FUND	EQUITY	EVEREST RE GROUP LTD	291,620.68	1,318	0.04		
MML EQUITY INDEX FUND	EQUITY	ALASKA AIR GROUP INC	290,290.99	3,949	0.04		
MML EQUITY INDEX FUND	EQUITY	ALBEMARLE CORP	453,497.94	3,546	0.06		
MML EQUITY INDEX FUND	EQUITY	ALLSTATE CORP	1,205,630.94	11,514	0.16		
MML EQUITY INDEX FUND	EQUITY	AMEREN CORPORATION	459,296.14	7,786	0.06		
MML EQUITY INDEX FUND	EQUITY	AMERICAN ELECTRIC POWER	1,161,008.17	15,781	0.16		
MML EQUITY INDEX FUND	EQUITY	APACHE CORP	516,097.28	12,224	0.07		
MML EQUITY INDEX FUND	EQUITY	ARCHER DANIELS MIDLAND CO	719,275.68	17,946	0.10		
MML EQUITY INDEX FUND	EQUITY	CMS ENERGY CORP	427,970.40	9,048	0.06		
MML EQUITY INDEX FUND	EQUITY	CSX CORP	1,577,576.78	28,678	0.21		
MML EQUITY INDEX FUND	EQUITY	CINCINNATI FINANCIAL CORP	359,181.27	4,791	0.05		
MML EQUITY INDEX FUND	EQUITY	CONSOLIDATED EDISON INC	845,337.45	9,951	0.11		
MML EQUITY INDEX FUND	EQUITY	CUMMINS INC	884,259.84	5,006	0.12		
MML EQUITY INDEX FUND	EQUITY	DR HORTON INC	559,318.64	10,952	0.08		
MML MANAGED VOLATILITY FUND	EQUITY	APTIV PLC	175,767.76	2,072	0.09		
MML MANAGED VOLATILITY FUND	OPTIONS	S+P 500 INDEX	(259,128.00)	(7,200)	0.14	0	2/16/2018
MML MANAGED VOLATILITY FUND	OPTIONS	S+P 500 INDEX	(332,635.00)	(7,100)	0.17	0	2/16/2018
MML MANAGED VOLATILITY FUND	OPTIONS	S+P 500 INDEX	(67,640.00)	(7,600)	0.04	0	1/26/2018
MML MANAGED VOLATILITY FUND	CASH EQUIVALENT	FIXED INC CLEARING CORP.REPO	4,573,144.79	4,573,145	2.39	0.54	1/2/2018
MML MANAGED VOLATILITY FUND	FIXED INCOME	SINO FOREST CORPORATION	-	359,000	0.00	5	8/1/2049
MML MANAGED VOLATILITY FUND	OPTIONS	S+P 500 INDEX	73,100.00	8,500	0.04	0	3/16/2018
MML MANAGED VOLATILITY FUND	OPTIONS	S+P 500 INDEX	17,100.00	11,400	0.01	0	1/19/2018
MML MANAGED VOLATILITY FUND	OPTIONS	S+P 500 INDEX	(616,770.00)	(7,700)	0.32	0	1/19/2018
MML MANAGED VOLATILITY FUND	OPTIONS	S+P 500 INDEX	(197,220.00)	(7,600)	0.10	0	1/5/2018
MML MANAGED VOLATILITY FUND	OPTIONS	S+P 500 INDEX	32,390.00	7,900	0.02	0	2/16/2018
MML MANAGED VOLATILITY FUND	OPTIONS	S+P 500 INDEX	20,100.00	6,700	0.01	0	2/16/2018

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML MANAGED VOLATILITY FUND	OPTIONS	S+P 500 INDEX	(228,150.00)	(7,800)	0.12	0	3/16/2018
MML MANAGED VOLATILITY FUND	OPTIONS	S+P 500 INDEX	22,230.00	7,800	0.01	0	2/16/2018
MML MANAGED VOLATILITY FUND	EQUITY	TWENTY FIRST CENTURY FOX B	120,989.52	3,546	0.06		
MML MANAGED VOLATILITY FUND	EQUITY	INTERCONTINENTAL EXCHANGE IN	325,211.04	4,609	0.17		
MML MANAGED VOLATILITY FUND	EQUITY	ALLEGION PLC	64,443.60	810	0.03		
MML MANAGED VOLATILITY FUND	EQUITY	AMERICAN AIRLINES GROUP INC	166,339.91	3,197	0.09		
MML MANAGED VOLATILITY FUND	EQUITY	PERRIGO CO PLC	93,871.32	1,077	0.05		
MML MANAGED VOLATILITY FUND	EQUITY	NAVIENT CORP	35,471.16	2,663	0.02		
MML MANAGED VOLATILITY FUND	EQUITY	PENTAIR PLC	92,300.34	1,307	0.05		
MML MANAGED VOLATILITY FUND	EQUITY	SYNCHRONY FINANCIAL	222,354.99	5,759	0.12		
MML MANAGED VOLATILITY FUND	EQUITY	CITIZENS FINANCIAL GROUP	170,060.98	4,051	0.09		
MML MANAGED VOLATILITY FUND	EQUITY	ANTHEM INC	463,070.58	2,058	0.24		
MML MANAGED VOLATILITY FUND	EQUITY	CROWN CASTLE INTL CORP	370,440.37	3,337	0.19		
MML MANAGED VOLATILITY FUND	EQUITY	WALGREENS BOOTS ALLIANCE INC	508,194.76	6,998	0.27		
MML MANAGED VOLATILITY FUND	EQUITY	QORVO INC	74,858.40	1,124	0.04		
MML MANAGED VOLATILITY FUND	EQUITY	IRON MOUNTAIN INC	83,458.76	2,212	0.04		
MML MANAGED VOLATILITY FUND	EQUITY	EQUINIX INC	275,557.76	608	0.14		
MML MANAGED VOLATILITY FUND	EQUITY	MEDTRONIC PLC	868,062.50	10,750	0.45		
MML MANAGED VOLATILITY FUND	EQUITY	EVERSOURCE ENERGY	158,834.52	2,514	0.08		
MML MANAGED VOLATILITY FUND	EQUITY	MYLAN NV	185,825.52	4,392	0.10		
MML MANAGED VOLATILITY FUND	EQUITY	ALLERGAN PLC	442,320.32	2,704	0.23		
MML MANAGED VOLATILITY FUND	EQUITY	MONSTER BEVERAGE CORP	214,236.65	3,385	0.11		
MML MANAGED VOLATILITY FUND	EQUITY	WESTROCK CO	126,483.21	2,001	0.07		
MML MANAGED VOLATILITY FUND	EQUITY	WEC ENERGY GROUP INC	162,952.79	2,453	0.09		
MML MANAGED VOLATILITY FUND	EQUITY	KRAFT HEINZ CO/THE	372,314.88	4,788	0.19		
MML MANAGED VOLATILITY FUND	EQUITY	PAYPAL HOLDINGS INC	674,506.44	9,162	0.35		
MML MANAGED VOLATILITY FUND	EQUITY	NIELSEN HOLDINGS PLC	98,935.20	2,718	0.05		
MML MANAGED VOLATILITY FUND	EQUITY	WELLTOWER INC	193,605.72	3,036	0.10		
MML MANAGED VOLATILITY FUND	EQUITY	ALPHABET INC CL C	2,538,566.40	2,426	1.33		
MML MANAGED VOLATILITY FUND	EQUITY	ALPHABET INC CL A	2,512,359.00	2,385	1.31		
MML MANAGED VOLATILITY FUND	EQUITY	HEWLETT PACKARD ENTERPRISE	179,701.04	12,514	0.09		
MML MANAGED VOLATILITY FUND	EQUITY	HP INC	289,622.85	13,785	0.15		
MML MANAGED VOLATILITY FUND	EQUITY	CSRA INC	35,784.32	1,196	0.02		
MML MANAGED VOLATILITY FUND	EQUITY	WILLIS TOWERS WATSON PLC	167,567.28	1,112	0.09		
MML MANAGED VOLATILITY FUND	EQUITY	CHUBB LTD	548,864.28	3,756	0.29		
MML MANAGED VOLATILITY FUND	EQUITY	BROADCOM LTD	829,787.00	3,230	0.43		
MML MANAGED VOLATILITY FUND	EQUITY	DENTSPLY SIRONA INC	123,233.76	1,872	0.06		
MML MANAGED VOLATILITY FUND	EQUITY	UNDER ARMOUR INC CLASS C	23,802.84	1,787	0.01		
MML MANAGED VOLATILITY FUND	EQUITY	S+P GLOBAL INC	350,827.40	2,071	0.18		
MML MANAGED VOLATILITY FUND	EQUITY	CHARTER COMMUNICATIONS INC A	515,698.60	1,535	0.27		
MML MANAGED VOLATILITY FUND	EQUITY	FORTIVE CORP	179,210.95	2,477	0.09		
MML MANAGED VOLATILITY FUND	EQUITY	IHS MARKIT LTD	132,921.60	2,944	0.07		
MML MANAGED VOLATILITY FUND	EQUITY	XL GROUP LTD	75,101.76	2,136	0.04		
MML MANAGED VOLATILITY FUND	EQUITY	JOHNSON CONTROLS INTERNATION	274,887.43	7,213	0.14		
MML MANAGED VOLATILITY FUND	EQUITY	ARCONIC INC	85,292.50	3,130	0.04		
MML MANAGED VOLATILITY FUND	EQUITY	ENVISION HEALTHCARE CORP	34,767.36	1,006	0.02		
MML MANAGED VOLATILITY FUND	EQUITY	L3 TECHNOLOGIES INC	122,271.30	618	0.06		
MML MANAGED VOLATILITY FUND	EQUITY	HILTON WORLDWIDE HOLDINGS IN	128,414.88	1,608	0.07		
MML MANAGED VOLATILITY FUND	EQUITY	TECHNIPFMC PLC	108,708.32	3,472	0.06		
MML MANAGED VOLATILITY FUND	EQUITY	SBA COMMUNICATIONS CORP	156,335.52	957	0.08		
MML MANAGED VOLATILITY FUND	EQUITY	GGP INC	116,458.81	4,979	0.06		
MML MANAGED VOLATILITY FUND	EQUITY	DXC TECHNOLOGY CO	222,635.40	2,346	0.12		

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML MANAGED VOLATILITY FUND	OPTIONS	S+P 500 INDEX	13,365.00	8,100	0.01	0	1/19/2018
MML MANAGED VOLATILITY FUND	EQUITY	XEROX CORP	54,772.85	1,879	0.03		
MML MANAGED VOLATILITY FUND	EQUITY	BAKER HUGHES A GE CO	107,797.48	3,407	0.06		
MML MANAGED VOLATILITY FUND	EQUITY	BRIGHTHOUSE FINANCIAL INC	49,785.36	849	0.03		
MML MANAGED VOLATILITY FUND	EQUITY	ANDEAVOR	131,491.00	1,150	0.07		
MML MANAGED VOLATILITY FUND	EQUITY	DOWDUPONT INC	1,346,912.64	18,912	0.70		
MML MANAGED VOLATILITY FUND	OPTIONS	S+P 500 INDEX	78,975.00	8,100	0.04	0	3/16/2018
MML MANAGED VOLATILITY FUND	OPTIONS	S+P 500 INDEX	(262,500.00)	(7,500)	0.14	0	1/19/2018
MML MANAGED VOLATILITY FUND	EQUITY	TAPESTRY INC	99,871.34	2,258	0.05		
MML MANAGED VOLATILITY FUND	OPTIONS	S+P 500 INDEX	33,465.00	9,700	0.02	0	2/16/2018
MML MANAGED VOLATILITY FUND	OPTIONS	S+P 500 INDEX	(751,135.00)	(7,700)	0.39	0	2/16/2018
MML MANAGED VOLATILITY FUND	OPTIONS	S+P 500 INDEX	(617,600.00)	(8,000)	0.32	0	2/16/2018
MML MANAGED VOLATILITY FUND	EQUITY	IQVIA HOLDINGS INC	115,913.60	1,184	0.06		
MML MANAGED VOLATILITY FUND	EQUITY	DELPHI TECHNOLOGIES PLC	39,667.32	756	0.02		
MML MANAGED VOLATILITY FUND	EQUITY	MCCORMICK + CO NON VTG SHRS	101,094.72	992	0.05		
MML MANAGED VOLATILITY FUND	EQUITY	UNITEDHEALTH GROUP INC	1,717,162.94	7,789	0.90		
MML MANAGED VOLATILITY FUND	EQUITY	AUTODESK INC	183,976.65	1,755	0.10		
MML MANAGED VOLATILITY FUND	EQUITY	JACOBS ENGINEERING GROUP INC	66,949.40	1,015	0.04		
MML MANAGED VOLATILITY FUND	EQUITY	LABORATORY CRP OF AMER HLDGS	127,927.02	802	0.07		
MML MANAGED VOLATILITY FUND	EQUITY	CAMPBELL SOUP CO	64,515.51	1,341	0.03		
MML MANAGED VOLATILITY FUND	EQUITY	PARKER HANNIFIN CORP	213,151.44	1,068	0.11		
MML MANAGED VOLATILITY FUND	EQUITY	VF CORP	198,468.00	2,682	0.10		
MML MANAGED VOLATILITY FUND	EQUITY	SCRIPPS NETWORKS INTER CL A	73,085.28	856	0.04		
MML MANAGED VOLATILITY FUND	EQUITY	ACTIVISION BLIZZARD INC	377,830.44	5,967	0.20		
MML MANAGED VOLATILITY FUND	EQUITY	SIGNET JEWELERS LTD	25,956.45	459	0.01		
MML MANAGED VOLATILITY FUND	EQUITY	DISCOVERY COMMUNICATIONS A	27,930.24	1,248	0.01		
MML MANAGED VOLATILITY FUND	EQUITY	DISCOVERY COMMUNICATIONS C	31,331.60	1,480	0.02		
MML MANAGED VOLATILITY FUND	EQUITY	EQT CORP	107,977.24	1,897	0.06		
MML MANAGED VOLATILITY FUND	EQUITY	TIME WARNER INC	568,028.70	6,210	0.30		
MML MANAGED VOLATILITY FUND	EQUITY	AMERICAN INTERNATIONAL GROUP	420,753.96	7,062	0.22		
MML MANAGED VOLATILITY FUND	EQUITY	INGERSOLL RAND PLC	181,055.70	2,030	0.09		
MML MANAGED VOLATILITY FUND	EQUITY	ACCENTURE PLC CL A	767,440.17	5,013	0.40		
MML MANAGED VOLATILITY FUND	EQUITY	VERISK ANALYTICS INC	110,496.00	1,151	0.06		
MML MANAGED VOLATILITY FUND	EQUITY	MERCK + CO. INC.	1,228,261.56	21,828	0.64		
MML MANAGED VOLATILITY FUND	EQUITY	DOLLAR GENERAL CORP	197,274.21	2,121	0.10		
MML MANAGED VOLATILITY FUND	EQUITY	BERKSHIRE HATHAWAY INC CL B	3,062,697.22	15,451	1.60		
MML MANAGED VOLATILITY FUND	EQUITY	STANLEY BLACK + DECKER INC	211,603.43	1,247	0.11		
MML MANAGED VOLATILITY FUND	EQUITY	LYONDELLBASELL INDU CL A	290,472.56	2,633	0.15		
MML MANAGED VOLATILITY FUND	EQUITY	E TRADE FINANCIAL CORP	106,724.21	2,153	0.06		
MML MANAGED VOLATILITY FUND	EQUITY	NEXTERA ENERGY INC	593,990.57	3,803	0.31		
MML MANAGED VOLATILITY FUND	EQUITY	CBOE GLOBAL MARKETS INC	110,635.92	888	0.06		
MML MANAGED VOLATILITY FUND	EQUITY	GARMIN LTD	57,485.05	965	0.03		
MML MANAGED VOLATILITY FUND	EQUITY	SEAGATE TECHNOLOGY	99,035.28	2,367	0.05		
MML MANAGED VOLATILITY FUND	EQUITY	UNITED CONTINENTAL HOLDINGS	145,651.40	2,161	0.08		
MML MANAGED VOLATILITY FUND	EQUITY	GENERAL MOTORS CO	415,884.54	10,146	0.22		
MML MANAGED VOLATILITY FUND	EQUITY	MOTOROLA SOLUTIONS INC	120,874.92	1,338	0.06		
MML MANAGED VOLATILITY FUND	EQUITY	O REILLY AUTOMOTIVE INC	168,859.08	702	0.09		
MML MANAGED VOLATILITY FUND	EQUITY	KINDER MORGAN INC	280,048.86	15,498	0.15		
MML MANAGED VOLATILITY FUND	EQUITY	HCA HEALTHCARE INC	204,579.36	2,329	0.11		
MML MANAGED VOLATILITY FUND	EQUITY	TE CONNECTIVITY LTD	258,698.88	2,722	0.14		
MML MANAGED VOLATILITY FUND	EQUITY	CITIGROUP INC	1,580,096.35	21,235	0.83		
MML MANAGED VOLATILITY FUND	EQUITY	MOSAIC CO/THE	70,257.08	2,738	0.04		

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML MANAGED VOLATILITY FUND	EQUITY	PROLOGIS INC	265,071.59	4,109	0.14		
MML MANAGED VOLATILITY FUND	EQUITY	MARATHON PETROLEUM CORP	251,713.70	3,815	0.13		
MML MANAGED VOLATILITY FUND	EQUITY	PVH CORP	86,716.72	632	0.05		
MML MANAGED VOLATILITY FUND	EQUITY	RALPH LAUREN CORP	42,616.59	411	0.02		
MML MANAGED VOLATILITY FUND	EQUITY	FORTUNE BRANDS HOME + SECURI	80,348.56	1,174	0.04		
MML MANAGED VOLATILITY FUND	EQUITY	CBRE GROUP INC A	104,203.86	2,406	0.05		
MML MANAGED VOLATILITY FUND	EQUITY	XYLEM INC	98,753.60	1,448	0.05		
MML MANAGED VOLATILITY FUND	EQUITY	TRIPADVISOR INC	29,118.70	845	0.02		
MML MANAGED VOLATILITY FUND	EQUITY	MICHAEL KORS HOLDINGS LTD	75,540.00	1,200	0.04		
MML MANAGED VOLATILITY FUND	EQUITY	EXPEDIA INC	116,895.52	976	0.06		
MML MANAGED VOLATILITY FUND	EQUITY	AMERICAN TOWER CORP	495,207.57	3,471	0.26		
MML MANAGED VOLATILITY FUND	EQUITY	AON PLC	274,834.00	2,051	0.14		
MML MANAGED VOLATILITY FUND	EQUITY	EXPRESS SCRIPTS HOLDING CO	334,461.84	4,481	0.17		
MML MANAGED VOLATILITY FUND	EQUITY	PHILLIPS 66	348,967.50	3,450	0.18		
MML MANAGED VOLATILITY FUND	EQUITY	FACEBOOK INC A	3,370,738.92	19,102	1.76		
MML MANAGED VOLATILITY FUND	EQUITY	DUKE ENERGY CORP	487,081.01	5,791	0.25		
MML MANAGED VOLATILITY FUND	EQUITY	MONDELEZ INTERNATIONAL INC A	520,105.60	12,152	0.27		
MML MANAGED VOLATILITY FUND	EQUITY	EATON CORP PLC	270,609.25	3,425	0.14		
MML MANAGED VOLATILITY FUND	EQUITY	ABBVIE INC	1,231,021.59	12,729	0.64		
MML MANAGED VOLATILITY FUND	EQUITY	NORWEGIAN CRUISE LINE HOLDIN	81,153.00	1,524	0.04		
MML MANAGED VOLATILITY FUND	EQUITY	ZOETIS INC	275,697.08	3,827	0.14		
MML MANAGED VOLATILITY FUND	EQUITY	L BRANDS INC	122,487.48	2,034	0.06		
MML MANAGED VOLATILITY FUND	EQUITY	COTY INC CL A	79,818.57	4,013	0.04		
MML MANAGED VOLATILITY FUND	EQUITY	NEWS CORP CLASS A	53,655.10	3,310	0.03		
MML MANAGED VOLATILITY FUND	EQUITY	TWENTY FIRST CENTURY FOX A	293,021.58	8,486	0.15		
MML MANAGED VOLATILITY FUND	EQUITY	NEWS CORP CLASS B	12,914.80	778	0.01		
MML MANAGED VOLATILITY FUND	EQUITY	CBS CORP CLASS B WHEN DISTRI	174,109.00	2,951	0.09		
MML MANAGED VOLATILITY FUND	EQUITY	CHIPOTLE MEXICAN GRILL INC	54,915.70	190	0.03		
MML MANAGED VOLATILITY FUND	EQUITY	FIDELITY NATIONAL INFO SERV	244,445.82	2,598	0.13		
MML MANAGED VOLATILITY FUND	EQUITY	CA INC	89,489.92	2,689	0.05		
MML MANAGED VOLATILITY FUND	EQUITY	TRANSDIGM GROUP INC	108,200.28	394	0.06		
MML MANAGED VOLATILITY FUND	EQUITY	HESS CORP	100,636.40	2,120	0.05		
MML MANAGED VOLATILITY FUND	EQUITY	MASTERCARD INC A	1,124,453.44	7,429	0.59		
MML MANAGED VOLATILITY FUND	EQUITY	WYNDHAM WORLDWIDE CORP	96,983.19	837	0.05		
MML MANAGED VOLATILITY FUND	EQUITY	HANESBRANDS INC	62,186.34	2,974	0.03		
MML MANAGED VOLATILITY FUND	EQUITY	WESTERN UNION CO	68,702.14	3,614	0.04		
MML MANAGED VOLATILITY FUND	EQUITY	TRAVELERS COS INC/THE	301,663.36	2,224	0.16		
MML MANAGED VOLATILITY FUND	EQUITY	UDR INC	65,599.56	1,703	0.03		
MML MANAGED VOLATILITY FUND	EQUITY	PEOPLE S UNITED FINANCIAL	55,595.10	2,973	0.03		
MML MANAGED VOLATILITY FUND	EQUITY	DELTA AIR LINES INC	297,248.00	5,308	0.16		
MML MANAGED VOLATILITY FUND	EQUITY	MACY S INC	61,110.94	2,426	0.03		
MML MANAGED VOLATILITY FUND	EQUITY	DISCOVER FINANCIAL SERVICES	216,837.48	2,819	0.11		
MML MANAGED VOLATILITY FUND	EQUITY	BANK OF NEW YORK MELLON CORP	449,246.26	8,341	0.23		
MML MANAGED VOLATILITY FUND	EQUITY	CME GROUP INC	400,761.20	2,744	0.21		
MML MANAGED VOLATILITY FUND	EQUITY	CONCHO RESOURCES INC	184,770.60	1,230	0.10		
MML MANAGED VOLATILITY FUND	EQUITY	HCP INC	100,747.04	3,863	0.05		
MML MANAGED VOLATILITY FUND	EQUITY	ULTA BEAUTY INC	104,001.90	465	0.05		
MML MANAGED VOLATILITY FUND	EQUITY	INVESCO LTD	117,256.86	3,209	0.06		
MML MANAGED VOLATILITY FUND	EQUITY	DISH NETWORK CORP A	85,759.00	1,796	0.04		
MML MANAGED VOLATILITY FUND	EQUITY	DOLLAR TREE INC	200,884.32	1,872	0.11		
MML MANAGED VOLATILITY FUND	EQUITY	PHILIP MORRIS INTERNATIONAL	1,311,856.05	12,417	0.69		
MML MANAGED VOLATILITY FUND	EQUITY	VISA INC CLASS A SHARES	1,654,202.16	14,508	0.86		

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML MANAGED VOLATILITY FUND	EQUITY	NETAPP INC	125,355.12	2,266	0.07		
MML MANAGED VOLATILITY FUND	EQUITY	AMERICAN WATER WORKS CO INC	129,641.33	1,417	0.07		
MML MANAGED VOLATILITY FUND	EQUITY	DR PEPPER SNAPPLE GROUP INC	144,328.22	1,487	0.08		
MML MANAGED VOLATILITY FUND	EQUITY	PAYCHEX INC	179,799.28	2,641	0.09		
MML MANAGED VOLATILITY FUND	EQUITY	ROSS STORES INC	253,509.75	3,159	0.13		
MML MANAGED VOLATILITY FUND	EQUITY	SCHLUMBERGER LTD	756,924.48	11,232	0.40		
MML MANAGED VOLATILITY FUND	EQUITY	ADVANCED MICRO DEVICES	71,487.12	6,954	0.04		
MML MANAGED VOLATILITY FUND	EQUITY	AUTOZONE INC	160,058.25	225	0.08		
MML MANAGED VOLATILITY FUND	EQUITY	AVERY DENNISON CORP	83,732.94	729	0.04		
MML MANAGED VOLATILITY FUND	EQUITY	BOEING CO/THE	1,330,633.92	4,512	0.70		
MML MANAGED VOLATILITY FUND	EQUITY	CORNING INC	213,021.41	6,659	0.11		
MML MANAGED VOLATILITY FUND	EQUITY	DOVER CORP	125,732.55	1,245	0.07		
MML MANAGED VOLATILITY FUND	EQUITY	EQUIFAX INC	113,910.72	966	0.06		
MML MANAGED VOLATILITY FUND	EQUITY	FEDEX CORP	495,835.98	1,987	0.26		
MML MANAGED VOLATILITY FUND	EQUITY	FISERV INC	212,168.34	1,618	0.11		
MML MANAGED VOLATILITY FUND	EQUITY	HALLIBURTON CO	343,409.49	7,027	0.18		
MML MANAGED VOLATILITY FUND	EQUITY	HERSHEY CO/THE	129,401.40	1,140	0.07		
MML MANAGED VOLATILITY FUND	EQUITY	KLA TENCOR CORP	132,388.20	1,260	0.07		
MML MANAGED VOLATILITY FUND	EQUITY	KOHL'S CORP	79,772.33	1,471	0.04		
MML MANAGED VOLATILITY FUND	EQUITY	PPG INDUSTRIES INC	240,532.38	2,059	0.13		
MML MANAGED VOLATILITY FUND	EQUITY	QUALCOMM INC	753,067.26	11,763	0.39		
MML MANAGED VOLATILITY FUND	EQUITY	ROCKWELL AUTOMATION INC	206,560.20	1,052	0.11		
MML MANAGED VOLATILITY FUND	EQUITY	SOUTHWEST AIRLINES CO	294,328.65	4,497	0.15		
MML MANAGED VOLATILITY FUND	EQUITY	SUNTRUST BANKS INC	239,693.49	3,711	0.13		
MML MANAGED VOLATILITY FUND	EQUITY	TJX COMPANIES INC	379,318.06	4,961	0.20		
MML MANAGED VOLATILITY FUND	EQUITY	VULCAN MATERIALS CO	139,794.93	1,089	0.07		
MML MANAGED VOLATILITY FUND	EQUITY	WEYERHAEUSER CO	218,788.30	6,205	0.11		
MML MANAGED VOLATILITY FUND	EQUITY	WILLIAMS COS INC	207,057.59	6,791	0.11		
MML MANAGED VOLATILITY FUND	EQUITY	XILINX INC	138,615.52	2,056	0.07		
MML MANAGED VOLATILITY FUND	EQUITY	VERISIGN INC	77,132.56	674	0.04		
MML MANAGED VOLATILITY FUND	EQUITY	HARTFORD FINANCIAL SVCS GRP	146,609.40	2,605	0.08		
MML MANAGED VOLATILITY FUND	EQUITY	ELECTRONIC ARTS INC	254,245.20	2,420	0.13		
MML MANAGED VOLATILITY FUND	EQUITY	AFLAC INC	290,112.90	3,305	0.15		
MML MANAGED VOLATILITY FUND	EQUITY	METLIFE INC	435,624.96	8,616	0.23		
MML MANAGED VOLATILITY FUND	EQUITY	MGM RESORTS INTERNATIONAL	135,696.96	4,064	0.07		
MML MANAGED VOLATILITY FUND	EQUITY	SCHWAB (CHARLES) CORP	495,515.02	9,646	0.26		
MML MANAGED VOLATILITY FUND	EQUITY	ADOBE SYSTEMS INC	698,506.64	3,986	0.37		
MML MANAGED VOLATILITY FUND	EQUITY	HORMEL FOODS CORP	79,512.15	2,185	0.04		
MML MANAGED VOLATILITY FUND	EQUITY	JUNIPER NETWORKS INC	87,381.00	3,066	0.05		
MML MANAGED VOLATILITY FUND	EQUITY	NEWFIELD EXPLORATION CO	53,001.93	1,681	0.03		
MML MANAGED VOLATILITY FUND	EQUITY	QUANTA SERVICES INC	52,563.84	1,344	0.03		
MML MANAGED VOLATILITY FUND	EQUITY	ILLUMINA INC	261,751.02	1,198	0.14		
MML MANAGED VOLATILITY FUND	EQUITY	FORD MOTOR CO	391,486.56	31,344	0.20		
MML MANAGED VOLATILITY FUND	EQUITY	XCEL ENERGY INC	196,866.12	4,092	0.10		
MML MANAGED VOLATILITY FUND	EQUITY	MOODY S CORP	201,487.65	1,365	0.11		
MML MANAGED VOLATILITY FUND	EQUITY	CONSTELLATION BRANDS INC A	310,398.06	1,358	0.16		
MML MANAGED VOLATILITY FUND	EQUITY	NASDAQ INC	75,984.87	989	0.04		
MML MANAGED VOLATILITY FUND	EQUITY	DAVITA INC	88,434.00	1,224	0.05		
MML MANAGED VOLATILITY FUND	EQUITY	MONSANTO CO	415,853.58	3,561	0.22		
MML MANAGED VOLATILITY FUND	EQUITY	EXELON CORP	305,900.42	7,762	0.16		
MML MANAGED VOLATILITY FUND	EQUITY	FLUOR CORP	52,786.30	1,022	0.03		
MML MANAGED VOLATILITY FUND	EQUITY	AETNA INC	469,374.78	2,602	0.25		

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML MANAGED VOLATILITY FUND	EQUITY	T ROWE PRICE GROUP INC	205,767.73	1,961	0.11		
MML MANAGED VOLATILITY FUND	EQUITY	JPMORGAN CHASE + CO	2,979,883.10	27,865	1.56		
MML MANAGED VOLATILITY FUND	EQUITY	GLOBAL PAYMENTS INC	125,700.96	1,254	0.07		
MML MANAGED VOLATILITY FUND	EQUITY	ALIGN TECHNOLOGY INC	129,092.39	581	0.07		
MML MANAGED VOLATILITY FUND	EQUITY	REGENCY CENTERS CORP	79,902.90	1,155	0.04		
MML MANAGED VOLATILITY FUND	EQUITY	US BANCORP	674,840.10	12,595	0.35		
MML MANAGED VOLATILITY FUND	EQUITY	RAYTHEON COMPANY	440,508.25	2,345	0.23		
MML MANAGED VOLATILITY FUND	EQUITY	ALLIANCE DATA SYSTEMS CORP	94,548.04	373	0.05		
MML MANAGED VOLATILITY FUND	EQUITY	ROCKWELL COLLINS INC	184,578.82	1,361	0.10		
MML MANAGED VOLATILITY FUND	EQUITY	ZIMMER BIOMET HOLDINGS INC	201,036.22	1,666	0.11		
MML MANAGED VOLATILITY FUND	EQUITY	AMERISOURCEBERGEN CORP	119,641.46	1,303	0.06		
MML MANAGED VOLATILITY FUND	EQUITY	CHEVRON CORP	1,900,259.01	15,179	0.99		
MML MANAGED VOLATILITY FUND	EQUITY	PRINCIPAL FINANCIAL GROUP	152,480.16	2,161	0.08		
MML MANAGED VOLATILITY FUND	EQUITY	FOOT LOCKER INC	46,598.72	994	0.02		
MML MANAGED VOLATILITY FUND	EQUITY	ADVANCE AUTO PARTS INC	62,106.87	623	0.03		
MML MANAGED VOLATILITY FUND	EQUITY	ACUITY BRANDS INC	65,120.00	370	0.03		
MML MANAGED VOLATILITY FUND	EQUITY	PRUDENTIAL FINANCIAL INC	394,841.32	3,434	0.21		
MML MANAGED VOLATILITY FUND	EQUITY	CENTENE CORP	142,846.08	1,416	0.07		
MML MANAGED VOLATILITY FUND	EQUITY	3M CO	1,122,479.53	4,769	0.59		
MML MANAGED VOLATILITY FUND	EQUITY	NOBLE ENERGY INC	118,250.12	4,058	0.06		
MML MANAGED VOLATILITY FUND	EQUITY	YUM BRANDS INC	213,328.54	2,614	0.11		
MML MANAGED VOLATILITY FUND	EQUITY	NETFLIX INC	672,435.88	3,503	0.35		
MML MANAGED VOLATILITY FUND	EQUITY	JM SMUCKER CO/THE	118,649.20	955	0.06		
MML MANAGED VOLATILITY FUND	EQUITY	SKYWORKS SOLUTIONS INC	142,899.75	1,505	0.07		
MML MANAGED VOLATILITY FUND	EQUITY	CONOCOPHILLIPS	517,118.69	9,421	0.27		
MML MANAGED VOLATILITY FUND	EQUITY	CENTERPOINT ENERGY INC	83,208.24	2,934	0.04		
MML MANAGED VOLATILITY FUND	EQUITY	CIMAREX ENERGY CO	93,825.69	769	0.05		
MML MANAGED VOLATILITY FUND	EQUITY	CARMAX INC	95,425.44	1,488	0.05		
MML MANAGED VOLATILITY FUND	EQUITY	WYNN RESORTS LTD	109,583.50	650	0.06		
MML MANAGED VOLATILITY FUND	EQUITY	COMCAST CORP CLASS A	1,492,663.50	37,270	0.78		
MML MANAGED VOLATILITY FUND	EQUITY	ALTRIA GROUP INC	1,087,003.02	15,222	0.57		
MML MANAGED VOLATILITY FUND	EQUITY	CARNIVAL CORP	223,069.57	3,361	0.12		
MML MANAGED VOLATILITY FUND	EQUITY	PRICELINE GROUP INC/THE	672,505.38	387	0.35		
MML MANAGED VOLATILITY FUND	EQUITY	INTUITIVE SURGICAL INC	317,132.86	869	0.17		
MML MANAGED VOLATILITY FUND	EQUITY	LKQ CORP	106,758.75	2,625	0.06		
MML MANAGED VOLATILITY FUND	EQUITY	BIOGEN INC	545,710.41	1,713	0.29		
MML MANAGED VOLATILITY FUND	EQUITY	NRG ENERGY INC	69,291.84	2,433	0.04		
MML MANAGED VOLATILITY FUND	EQUITY	ASSURANT INC	46,285.56	459	0.02		
MML MANAGED VOLATILITY FUND	EQUITY	SALESFORCE.COM INC	565,740.82	5,534	0.30		
MML MANAGED VOLATILITY FUND	EQUITY	REGIONS FINANCIAL CORP	164,868.48	9,541	0.09		
MML MANAGED VOLATILITY FUND	EQUITY	PATTERSON COS INC	23,954.19	663	0.01		
MML MANAGED VOLATILITY FUND	EQUITY	EXTRA SPACE STORAGE INC	88,411.95	1,011	0.05		
MML MANAGED VOLATILITY FUND	EQUITY	DIGITAL REALTY TRUST INC	192,491.00	1,690	0.10		
MML MANAGED VOLATILITY FUND	EQUITY	MOLSON COORS BREWING CO B	119,493.92	1,456	0.06		
MML MANAGED VOLATILITY FUND	EQUITY	CF INDUSTRIES HOLDINGS INC	83,846.34	1,971	0.04		
MML MANAGED VOLATILITY FUND	EQUITY	AMERIPRISE FINANCIAL INC	208,617.57	1,231	0.11		
MML MANAGED VOLATILITY FUND	EQUITY	C.H. ROBINSON WORLDWIDE INC	88,199.10	990	0.05		
MML MANAGED VOLATILITY FUND	EQUITY	UNDER ARMOUR INC CLASS A	23,318.88	1,616	0.01		
MML MANAGED VOLATILITY FUND	EQUITY	AT+T INC	1,911,263.04	49,158	1.00		
MML MANAGED VOLATILITY FUND	EQUITY	VIACOM INC CLASS B	94,001.31	3,051	0.05		
MML MANAGED VOLATILITY FUND	EQUITY	AES CORP	63,561.27	5,869	0.03		
MML MANAGED VOLATILITY FUND	EQUITY	AMGEN INC	1,003,750.80	5,772	0.52		

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML MANAGED VOLATILITY FUND	EQUITY	APPLE INC	6,963,983.73	41,151	3.64		
MML MANAGED VOLATILITY FUND	EQUITY	BEST BUY CO INC	134,954.37	1,971	0.07		
MML MANAGED VOLATILITY FUND	EQUITY	BOSTON SCIENTIFIC CORP	280,102.21	11,299	0.15		
MML MANAGED VOLATILITY FUND	EQUITY	CVS HEALTH CORP	581,450.00	8,020	0.30		
MML MANAGED VOLATILITY FUND	EQUITY	CAPITAL ONE FINANCIAL CORP	381,490.98	3,831	0.20		
MML MANAGED VOLATILITY FUND	EQUITY	CISCO SYSTEMS INC	1,511,203.10	39,457	0.79		
MML MANAGED VOLATILITY FUND	EQUITY	WALT DISNEY CO/THE	1,297,968.23	12,073	0.68		
MML MANAGED VOLATILITY FUND	EQUITY	EXXON MOBIL CORP	2,837,737.92	33,928	1.48		
MML MANAGED VOLATILITY FUND	EQUITY	GAP INC/THE	56,573.66	1,661	0.03		
MML MANAGED VOLATILITY FUND	EQUITY	GENERAL ELECTRIC CO	1,204,224.50	69,010	0.63		
MML MANAGED VOLATILITY FUND	EQUITY	HOME DEPOT INC	1,770,968.32	9,344	0.93		
MML MANAGED VOLATILITY FUND	EQUITY	MICROSOFT CORP	5,290,477.92	61,848	2.77		
MML MANAGED VOLATILITY FUND	EQUITY	MICRON TECHNOLOGY INC	369,668.80	8,990	0.19		
MML MANAGED VOLATILITY FUND	EQUITY	MORGAN STANLEY	581,682.42	11,086	0.30		
MML MANAGED VOLATILITY FUND	EQUITY	OMNICOM GROUP	135,390.97	1,859	0.07		
MML MANAGED VOLATILITY FUND	EQUITY	ORACLE CORP	1,158,880.08	24,511	0.61		
MML MANAGED VOLATILITY FUND	EQUITY	PFIZER INC	1,728,128.64	47,712	0.90		
MML MANAGED VOLATILITY FUND	EQUITY	PRAXAIR INC	344,317.68	2,226	0.18		
MML MANAGED VOLATILITY FUND	EQUITY	WAL MART STORES INC	1,173,248.75	11,881	0.61		
MML MANAGED VOLATILITY FUND	EQUITY	WATERS CORP	125,573.50	650	0.07		
MML MANAGED VOLATILITY FUND	EQUITY	WELLS FARGO + CO	2,157,061.18	35,554	1.13		
MML MANAGED VOLATILITY FUND	EQUITY	BAXTER INTERNATIONAL INC	250,867.84	3,881	0.13		
MML MANAGED VOLATILITY FUND	EQUITY	H+R BLOCK INC	49,319.82	1,881	0.03		
MML MANAGED VOLATILITY FUND	EQUITY	GENUINE PARTS CO	107,836.35	1,135	0.06		
MML MANAGED VOLATILITY FUND	EQUITY	INTL FLAVORS + FRAGRANCES	103,011.75	675	0.05		
MML MANAGED VOLATILITY FUND	EQUITY	KIMBERLY CLARK CORP	342,674.40	2,840	0.18		
MML MANAGED VOLATILITY FUND	EQUITY	MASCO CORP	111,475.78	2,537	0.06		
MML MANAGED VOLATILITY FUND	EQUITY	PNC FINANCIAL SERVICES GROUP	561,288.10	3,890	0.29		
MML MANAGED VOLATILITY FUND	EQUITY	TORCHMARK CORP	73,656.52	812	0.04		
MML MANAGED VOLATILITY FUND	EQUITY	BANK OF AMERICA CORP	2,296,980.72	77,811	1.20		
MML MANAGED VOLATILITY FUND	EQUITY	EMERSON ELECTRIC CO	359,251.95	5,155	0.19		
MML MANAGED VOLATILITY FUND	EQUITY	WW GRAINGER INC	95,917.50	406	0.05		
MML MANAGED VOLATILITY FUND	EQUITY	HARRIS CORP	134,850.80	952	0.07		
MML MANAGED VOLATILITY FUND	EQUITY	INTL BUSINESS MACHINES CORP	1,055,989.86	6,883	0.55		
MML MANAGED VOLATILITY FUND	CASH	US DOLLAR	(113,798.82)	(113,799)	0.06		0
MML MANAGED VOLATILITY FUND	EQUITY	EDWARDS LIFESCIENCES CORP	190,818.03	1,693	0.10		
MML MANAGED VOLATILITY FUND	EQUITY	ABBOTT LABORATORIES	804,002.16	14,088	0.42		
MML MANAGED VOLATILITY FUND	EQUITY	BRISTOL MYERS SQUIBB CO	798,723.52	13,034	0.42		
MML MANAGED VOLATILITY FUND	EQUITY	ILLINOIS TOOL WORKS	417,125.00	2,500	0.22		
MML MANAGED VOLATILITY FUND	EQUITY	LOWE S COS INC	610,058.16	6,564	0.32		
MML MANAGED VOLATILITY FUND	EQUITY	MARSH + MCLENNAN COS	335,977.92	4,128	0.18		
MML MANAGED VOLATILITY FUND	EQUITY	MATTEL INC	47,293.50	3,075	0.02		
MML MANAGED VOLATILITY FUND	EQUITY	NUCOR CORP	160,603.08	2,526	0.08		
MML MANAGED VOLATILITY FUND	EQUITY	SYSCO CORP	225,551.22	3,714	0.12		
MML MANAGED VOLATILITY FUND	EQUITY	TEXAS INSTRUMENTS INC	834,997.80	7,995	0.44		
MML MANAGED VOLATILITY FUND	EQUITY	TEXTRON INC	122,290.99	2,161	0.06		
MML MANAGED VOLATILITY FUND	EQUITY	TYSON FOODS INC CL A	193,270.88	2,384	0.10		
MML MANAGED VOLATILITY FUND	EQUITY	DANAHER CORP	459,737.46	4,953	0.24		
MML MANAGED VOLATILITY FUND	EQUITY	SEALED AIR CORP	73,013.30	1,481	0.04		
MML MANAGED VOLATILITY FUND	EQUITY	REPUBLIC SERVICES INC	112,367.82	1,662	0.06		
MML MANAGED VOLATILITY FUND	EQUITY	AKAMAI TECHNOLOGIES INC	88,259.28	1,357	0.05		
MML MANAGED VOLATILITY FUND	EQUITY	BLACKROCK INC	506,004.35	985	0.26		

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML MANAGED VOLATILITY FUND	EQUITY	MARTIN MARIETTA MATERIALS	113,614.56	514	0.06		
MML MANAGED VOLATILITY FUND	EQUITY	AGILENT TECHNOLOGIES INC	174,122.00	2,600	0.09		
MML MANAGED VOLATILITY FUND	EQUITY	PACCAR INC	201,227.48	2,831	0.11		
MML MANAGED VOLATILITY FUND	EQUITY	MICROCHIP TECHNOLOGY INC	167,323.52	1,904	0.09		
MML MANAGED VOLATILITY FUND	EQUITY	NATIONAL OILWELL VARCO INC	99,559.28	2,764	0.05		
MML MANAGED VOLATILITY FUND	EQUITY	STARBUCKS CORP	650,854.19	11,333	0.34		
MML MANAGED VOLATILITY FUND	EQUITY	RAYMOND JAMES FINANCIAL INC	92,157.60	1,032	0.05		
MML MANAGED VOLATILITY FUND	EQUITY	LEGETT + PLATT INC	46,154.91	967	0.02		
MML MANAGED VOLATILITY FUND	EQUITY	VERIZON COMMUNICATIONS INC	1,728,958.45	32,665	0.90		
MML MANAGED VOLATILITY FUND	EQUITY	KANSAS CITY SOUTHERN	95,750.20	910	0.05		
MML MANAGED VOLATILITY FUND	EQUITY	SL GREEN REALTY CORP	79,028.19	783	0.04		
MML MANAGED VOLATILITY FUND	EQUITY	DUKE REALTY CORP	75,262.86	2,766	0.04		
MML MANAGED VOLATILITY FUND	EQUITY	PUBLIC STORAGE	257,070.00	1,230	0.13		
MML MANAGED VOLATILITY FUND	EQUITY	SIMON PROPERTY GROUP INC	429,521.74	2,501	0.22		
MML MANAGED VOLATILITY FUND	EQUITY	AIR PRODUCTS + CHEMICALS INC	274,834.00	1,675	0.14		
MML MANAGED VOLATILITY FUND	EQUITY	AUTOMATIC DATA PROCESSING	421,649.62	3,598	0.22		
MML MANAGED VOLATILITY FUND	EQUITY	CIGNA CORP	400,087.30	1,970	0.21		
MML MANAGED VOLATILITY FUND	EQUITY	CATERPILLAR INC	753,705.14	4,783	0.39		
MML MANAGED VOLATILITY FUND	EQUITY	COLGATE PALMOLIVE CO	522,264.90	6,922	0.27		
MML MANAGED VOLATILITY FUND	EQUITY	ECOLAB INC	268,762.54	2,003	0.14		
MML MANAGED VOLATILITY FUND	EQUITY	GENERAL MILLS INC	252,575.40	4,260	0.13		
MML MANAGED VOLATILITY FUND	EQUITY	GOLDMAN SACHS GROUP INC	712,054.20	2,795	0.37		
MML MANAGED VOLATILITY FUND	EQUITY	UNITED RENTALS INC	116,383.07	677	0.06		
MML MANAGED VOLATILITY FUND	EQUITY	VALERO ENERGY CORP	326,280.50	3,550	0.17		
MML MANAGED VOLATILITY FUND	EQUITY	CHESAPEAKE ENERGY CORP	27,910.08	7,048	0.01		
MML MANAGED VOLATILITY FUND	EQUITY	HOLOGIC INC	95,717.25	2,239	0.05		
MML MANAGED VOLATILITY FUND	EQUITY	HUNT (JB) TRANSPRT SVCS INC	75,081.94	653	0.04		
MML MANAGED VOLATILITY FUND	EQUITY	QUEST DIAGNOSTICS INC	106,369.20	1,080	0.06		
MML MANAGED VOLATILITY FUND	EQUITY	RANGE RESOURCES CORP	30,230.32	1,772	0.02		
MML MANAGED VOLATILITY FUND	EQUITY	REGENERON PHARMACEUTICALS	238,734.60	635	0.12		
MML MANAGED VOLATILITY FUND	EQUITY	HENRY SCHEIN INC	88,188.56	1,262	0.05		
MML MANAGED VOLATILITY FUND	EQUITY	TRACTOR SUPPLY COMPANY	77,216.75	1,033	0.04		
MML MANAGED VOLATILITY FUND	EQUITY	AFFILIATED MANAGERS GROUP	90,925.75	443	0.05		
MML MANAGED VOLATILITY FUND	EQUITY	ALEXION PHARMACEUTICALS INC	218,849.70	1,830	0.11		
MML MANAGED VOLATILITY FUND	EQUITY	AMETEK INC	132,402.69	1,827	0.07		
MML MANAGED VOLATILITY FUND	EQUITY	ANSYS INC	98,737.71	669	0.05		
MML MANAGED VOLATILITY FUND	EQUITY	APPLIED MATERIALS INC	431,452.80	8,440	0.23		
MML MANAGED VOLATILITY FUND	EQUITY	CABOT OIL + GAS CORP	111,111.00	3,885	0.06		
MML MANAGED VOLATILITY FUND	EQUITY	CELGENE CORP	661,538.04	6,339	0.35		
MML MANAGED VOLATILITY FUND	EQUITY	CERNER CORP	175,820.51	2,609	0.09		
MML MANAGED VOLATILITY FUND	EQUITY	CHURCH + DWIGHT CO INC	95,824.70	1,910	0.05		
MML MANAGED VOLATILITY FUND	EQUITY	COGNIZANT TECH SOLUTIONS A	339,475.60	4,780	0.18		
MML MANAGED VOLATILITY FUND	EQUITY	COOPER COS INC/THE	87,369.88	401	0.05		
MML MANAGED VOLATILITY FUND	EQUITY	FLIR SYSTEMS INC	51,654.96	1,108	0.03		
MML MANAGED VOLATILITY FUND	EQUITY	FLOWSERVE CORP	46,890.69	1,113	0.02		
MML MANAGED VOLATILITY FUND	EQUITY	ARTHUR J GALLAGHER + CO	94,413.76	1,492	0.05		
MML MANAGED VOLATILITY FUND	EQUITY	IDEXX LABORATORIES INC	113,375.50	725	0.06		
MML MANAGED VOLATILITY FUND	EQUITY	INCYTE CORP	132,309.87	1,397	0.07		
MML MANAGED VOLATILITY FUND	EQUITY	RESMED INC	99,171.99	1,171	0.05		
MML MANAGED VOLATILITY FUND	EQUITY	STERICYCLE INC	48,408.88	712	0.03		
MML MANAGED VOLATILITY FUND	EQUITY	VARIAN MEDICAL SYSTEMS INC	82,584.45	743	0.04		
MML MANAGED VOLATILITY FUND	EQUITY	VERTEX PHARMACEUTICALS INC	306,014.12	2,042	0.16		

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML MANAGED VOLATILITY FUND	EQUITY	WESTERN DIGITAL CORP	193,257.90	2,430	0.10		
MML MANAGED VOLATILITY FUND	EQUITY	ALEXANDRIA REAL ESTATE EQUIT	104,602.59	801	0.05		
MML MANAGED VOLATILITY FUND	EQUITY	AMPHENOL CORP CL A	213,354.00	2,430	0.11		
MML MANAGED VOLATILITY FUND	EQUITY	APARTMENT INVT + MGMT CO A	59,533.02	1,362	0.03		
MML MANAGED VOLATILITY FUND	EQUITY	BALL CORP	109,272.95	2,887	0.06		
MML MANAGED VOLATILITY FUND	EQUITY	ESSEX PROPERTY TRUST INC	129,857.06	538	0.07		
MML MANAGED VOLATILITY FUND	EQUITY	FEDERAL REALTY INVS TRUST	82,076.58	618	0.04		
MML MANAGED VOLATILITY FUND	EQUITY	GILEAD SCIENCES INC	743,766.48	10,382	0.39		
MML MANAGED VOLATILITY FUND	EQUITY	MACERICH CO/THE	44,662.40	680	0.02		
MML MANAGED VOLATILITY FUND	EQUITY	METTLER TOLEDO INTERNATIONAL	117,089.28	189	0.06		
MML MANAGED VOLATILITY FUND	EQUITY	NVIDIA CORP	940,990.50	4,863	0.49		
MML MANAGED VOLATILITY FUND	EQUITY	SYMANTEC CORP	141,478.52	5,042	0.07		
MML MANAGED VOLATILITY FUND	EQUITY	UNIVERSAL HEALTH SERVICES B	77,078.00	680	0.04		
MML MANAGED VOLATILITY FUND	EQUITY	BECTON DICKINSON AND CO	456,396.68	2,132	0.24		
MML MANAGED VOLATILITY FUND	EQUITY	CENTURYLINK INC	130,020.60	7,795	0.07		
MML MANAGED VOLATILITY FUND	EQUITY	CLOROX COMPANY	153,797.16	1,034	0.08		
MML MANAGED VOLATILITY FUND	EQUITY	CONAGRA BRANDS INC	126,608.87	3,361	0.07		
MML MANAGED VOLATILITY FUND	EQUITY	FRANKLIN RESOURCES INC	113,567.93	2,621	0.06		
MML MANAGED VOLATILITY FUND	EQUITY	GENERAL DYNAMICS CORP	445,962.40	2,192	0.23		
MML MANAGED VOLATILITY FUND	EQUITY	HASBRO INC	87,345.29	961	0.05		
MML MANAGED VOLATILITY FUND	EQUITY	HONEYWELL INTERNATIONAL INC	933,042.24	6,084	0.49		
MML MANAGED VOLATILITY FUND	EQUITY	PROCTER + GAMBLE CO/THE	1,879,956.68	20,461	0.98		
MML MANAGED VOLATILITY FUND	EQUITY	AMERICAN ELECTRIC POWER	291,410.77	3,961	0.15		
MML MANAGED VOLATILITY FUND	EQUITY	APACHE CORP	130,544.24	3,092	0.07		
MML MANAGED VOLATILITY FUND	EQUITY	ARCHER DANIELS MIDLAND CO	185,810.88	4,636	0.10		
MML MANAGED VOLATILITY FUND	EQUITY	CMS ENERGY CORP	114,087.60	2,412	0.06		
MML MANAGED VOLATILITY FUND	EQUITY	CSX CORP	388,810.68	7,068	0.20		
MML MANAGED VOLATILITY FUND	EQUITY	CINCINNATI FINANCIAL CORP	91,838.25	1,225	0.05		
MML MANAGED VOLATILITY FUND	EQUITY	CONSOLIDATED EDISON INC	212,205.10	2,498	0.11		
MML MANAGED VOLATILITY FUND	EQUITY	CUMMINS INC	226,629.12	1,283	0.12		
MML MANAGED VOLATILITY FUND	EQUITY	DR HORTON INC	144,272.75	2,825	0.08		
MML MANAGED VOLATILITY FUND	EQUITY	DTE ENERGY COMPANY	152,368.32	1,392	0.08		
MML MANAGED VOLATILITY FUND	EQUITY	DEVON ENERGY CORP	176,074.20	4,253	0.09		
MML MANAGED VOLATILITY FUND	EQUITY	DOMINION ENERGY INC	421,349.88	5,198	0.22		
MML MANAGED VOLATILITY FUND	EQUITY	EASTMAN CHEMICAL CO	104,405.28	1,127	0.05		
MML MANAGED VOLATILITY FUND	EQUITY	ENTERGY CORP	114,841.29	1,411	0.06		
MML MANAGED VOLATILITY FUND	EQUITY	FMC CORP	100,623.58	1,063	0.05		
MML MANAGED VOLATILITY FUND	EQUITY	FIRSTENERGY CORP	111,150.60	3,630	0.06		
MML MANAGED VOLATILITY FUND	EQUITY	GOODYEAR TIRE + RUBBER CO	66,623.22	2,062	0.03		
MML MANAGED VOLATILITY FUND	EQUITY	HELMERICH + PAYNE	59,016.32	913	0.03		
MML MANAGED VOLATILITY FUND	EQUITY	HUMANA INC	280,815.24	1,132	0.15		
MML MANAGED VOLATILITY FUND	EQUITY	INTERNATIONAL PAPER CO	194,736.34	3,361	0.10		
MML MANAGED VOLATILITY FUND	EQUITY	KEYCORP	177,415.32	8,796	0.09		
MML MANAGED VOLATILITY FUND	EQUITY	LAM RESEARCH CORP	234,873.32	1,276	0.12		
MML MANAGED VOLATILITY FUND	EQUITY	LENNAR CORP A	94,607.04	1,496	0.05		
MML MANAGED VOLATILITY FUND	EQUITY	LOCKHEED MARTIN CORP	636,963.20	1,984	0.33		
MML MANAGED VOLATILITY FUND	EQUITY	NORFOLK SOUTHERN CORP	327,908.70	2,263	0.17		
MML MANAGED VOLATILITY FUND	EQUITY	NORTHROP GRUMMAN CORP	430,594.73	1,403	0.23		
MML MANAGED VOLATILITY FUND	EQUITY	OCCIDENTAL PETROLEUM CORP	454,629.52	6,172	0.24		
MML MANAGED VOLATILITY FUND	EQUITY	P G + E CORP	175,016.32	3,904	0.09		
MML MANAGED VOLATILITY FUND	EQUITY	CADENCE DESIGN SYS INC	91,962.18	2,199	0.05		
MML MANAGED VOLATILITY FUND	EQUITY	COSTCO WHOLESALE CORP	659,050.92	3,541	0.34		

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML MANAGED VOLATILITY FUND	EQUITY	INTEL CORP	1,730,399.92	37,487	0.90		
MML MANAGED VOLATILITY FUND	EQUITY	JOHNSON + JOHNSON	3,010,127.68	21,544	1.57		
MML MANAGED VOLATILITY FUND	EQUITY	ELI LILLY + CO	663,855.60	7,860	0.35		
MML MANAGED VOLATILITY FUND	EQUITY	MCDONALD S CORP	1,100,363.16	6,393	0.58		
MML MANAGED VOLATILITY FUND	EQUITY	STATE STREET CORP	285,509.25	2,925	0.15		
MML MANAGED VOLATILITY FUND	EQUITY	SYNOPSIS INC	103,055.16	1,209	0.05		
MML MANAGED VOLATILITY FUND	EQUITY	TARGET CORP	273,462.75	4,191	0.14		
MML MANAGED VOLATILITY FUND	EQUITY	UNITED TECHNOLOGIES CORP	753,045.71	5,903	0.39		
MML MANAGED VOLATILITY FUND	EQUITY	WASTE MANAGEMENT INC	279,870.90	3,243	0.15		
MML MANAGED VOLATILITY FUND	EQUITY	WHIRLPOOL CORP	98,654.40	585	0.05		
MML MANAGED VOLATILITY FUND	EQUITY	AMERICAN EXPRESS CO	566,762.17	5,707	0.30		
MML MANAGED VOLATILITY FUND	EQUITY	COCA COLA CO/THE	1,411,681.72	30,769	0.74		
MML MANAGED VOLATILITY FUND	EQUITY	MARRIOTT INTERNATIONAL CL A	325,073.35	2,395	0.17		
MML MANAGED VOLATILITY FUND	EQUITY	NIKE INC CL B	662,779.80	10,596	0.35		
MML MANAGED VOLATILITY FUND	EQUITY	ANALOG DEVICES INC	266,911.94	2,998	0.14		
MML MANAGED VOLATILITY FUND	EQUITY	CARDINAL HEALTH INC	154,829.29	2,527	0.08		
MML MANAGED VOLATILITY FUND	EQUITY	HARLEY DAVIDSON INC	67,873.92	1,334	0.04		
MML MANAGED VOLATILITY FUND	EQUITY	INTERPUBLIC GROUP OF COS INC	63,685.44	3,159	0.03		
MML MANAGED VOLATILITY FUND	EQUITY	KROGER CO	201,537.90	7,342	0.11		
MML MANAGED VOLATILITY FUND	EQUITY	PEPSICO INC	1,370,086.00	11,425	0.72		
MML MANAGED VOLATILITY FUND	EQUITY	UNITED PARCEL SERVICE CL B	663,665.50	5,570	0.35		
MML MANAGED VOLATILITY FUND	EQUITY	SHERWIN WILLIAMS CO/THE	270,216.36	659	0.14		
MML MANAGED VOLATILITY FUND	EQUITY	NEWELL BRANDS INC	122,734.80	3,972	0.06		
MML MANAGED VOLATILITY FUND	EQUITY	SNAP ON INC	77,040.60	442	0.04		
MML MANAGED VOLATILITY FUND	EQUITY	ANADARKO PETROLEUM CORP	240,253.56	4,479	0.13		
MML MANAGED VOLATILITY FUND	EQUITY	DEERE + CO	396,283.32	2,532	0.21		
MML MANAGED VOLATILITY FUND	EQUITY	KIMCO REALTY CORP	59,296.05	3,267	0.03		
MML MANAGED VOLATILITY FUND	EQUITY	TIFFANY + CO	84,615.30	814	0.04		
MML MANAGED VOLATILITY FUND	EQUITY	VORNADO REALTY TRUST	113,517.36	1,452	0.06		
MML MANAGED VOLATILITY FUND	EQUITY	ZIONS BANCORPORATION	79,650.61	1,567	0.04		
MML MANAGED VOLATILITY FUND	EQUITY	AVALONBAY COMMUNITIES INC	196,964.64	1,104	0.10		
MML MANAGED VOLATILITY FUND	EQUITY	BOSTON PROPERTIES INC	162,667.53	1,251	0.09		
MML MANAGED VOLATILITY FUND	EQUITY	EQUITY RESIDENTIAL	190,480.99	2,987	0.10		
MML MANAGED VOLATILITY FUND	EQUITY	HOST HOTELS + RESORTS INC	119,219.10	6,006	0.06		
MML MANAGED VOLATILITY FUND	EQUITY	PPL CORP	173,350.95	5,601	0.09		
MML MANAGED VOLATILITY FUND	EQUITY	PIONEER NATURAL RESOURCES CO	240,952.90	1,394	0.13		
MML MANAGED VOLATILITY FUND	EQUITY	PUBLIC SERVICE ENTERPRISE GP	208,111.50	4,041	0.11		
MML MANAGED VOLATILITY FUND	EQUITY	PULTEGROUP INC	81,063.50	2,438	0.04		
MML MANAGED VOLATILITY FUND	EQUITY	SCANA CORP	50,361.48	1,266	0.03		
MML MANAGED VOLATILITY FUND	EQUITY	THERMO FISHER SCIENTIFIC INC	615,590.96	3,242	0.32		
MML MANAGED VOLATILITY FUND	EQUITY	MARATHON OIL CORP	116,207.52	6,864	0.06		
MML MANAGED VOLATILITY FUND	EQUITY	UNION PACIFIC CORP	844,025.40	6,294	0.44		
MML MANAGED VOLATILITY FUND	EQUITY	TOTAL SYSTEM SERVICES INC	108,432.39	1,371	0.06		
MML MANAGED VOLATILITY FUND	EQUITY	VENTAS INC	170,848.47	2,847	0.09		
MML MANAGED VOLATILITY FUND	EQUITY	RED HAT INC	161,414.40	1,344	0.08		
MML MANAGED VOLATILITY FUND	EQUITY	GARTNER INC	89,283.75	725	0.05		
MML MANAGED VOLATILITY FUND	EQUITY	F5 NETWORKS INC	72,433.44	552	0.04		
MML MANAGED VOLATILITY FUND	EQUITY	INTUIT INC	316,191.12	2,004	0.17		
MML MANAGED VOLATILITY FUND	EQUITY	LEUCADIA NATIONAL CORP	67,523.01	2,549	0.04		
MML MANAGED VOLATILITY FUND	EQUITY	HUNTINGTON BANCSHARES INC	127,298.08	8,743	0.07		
MML MANAGED VOLATILITY FUND	EQUITY	STRYKER CORP	392,674.24	2,536	0.21		
MML MANAGED VOLATILITY FUND	EQUITY	ESTEE LAUDER COMPANIES CL A	233,994.36	1,839	0.12		

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML MANAGED VOLATILITY FUND	EQUITY	CITRIX SYSTEMS INC	93,544.00	1,063		0.05	
MML MANAGED VOLATILITY FUND	EQUITY	NORTHERN TRUST CORP	173,309.15	1,735		0.09	
MML MANAGED VOLATILITY FUND	EQUITY	NORDSTROM INC	47,143.10	995		0.02	
MML MANAGED VOLATILITY FUND	EQUITY	KELLOGG CO	135,212.22	1,989		0.07	
MML MANAGED VOLATILITY FUND	EQUITY	M + T BANK CORP	196,980.48	1,152		0.10	
MML MANAGED VOLATILITY FUND	EQUITY	PACKAGING CORP OF AMERICA	94,872.85	787		0.05	
MML MANAGED VOLATILITY FUND	EQUITY	EXPEDITORS INTL WASH INC	92,894.84	1,436		0.05	
MML MANAGED VOLATILITY FUND	EQUITY	NEWMONT MINING CORP	166,738.88	4,444		0.09	
MML MANAGED VOLATILITY FUND	EQUITY	ROYAL CARIBBEAN CRUISES LTD	168,065.52	1,409		0.09	
MML MANAGED VOLATILITY FUND	EQUITY	FIFTH THIRD BANCORP	164,867.56	5,434		0.09	
MML MANAGED VOLATILITY FUND	EQUITY	FREEPORT MCMORAN INC	213,755.04	11,274		0.11	
MML MANAGED VOLATILITY FUND	EQUITY	BB+T CORP	306,523.80	6,165		0.16	
MML MANAGED VOLATILITY FUND	EQUITY	COMERICA INC	120,145.04	1,384		0.06	
MML MANAGED VOLATILITY FUND	EQUITY	SEMPRA ENERGY	219,827.52	2,056		0.11	
MML MANAGED VOLATILITY FUND	EQUITY	PROGRESSIVE CORP	269,265.92	4,781		0.14	
MML MANAGED VOLATILITY FUND	EQUITY	AMAZON.COM INC	3,745,812.41	3,203		1.96	
MML MANAGED VOLATILITY FUND	EQUITY	MCKESSON CORP	255,602.05	1,639		0.13	
MML MANAGED VOLATILITY FUND	EQUITY	MOHAWK INDUSTRIES INC	138,225.90	501		0.07	
MML MANAGED VOLATILITY FUND	EQUITY	CINTAS CORP	110,171.81	707		0.06	
MML MANAGED VOLATILITY FUND	EQUITY	ROBERT HALF INTL INC	55,651.08	1,002		0.03	
MML MANAGED VOLATILITY FUND	EQUITY	FASTENAL CO	126,115.14	2,306		0.07	
MML MANAGED VOLATILITY FUND	CASH	CANADIAN DOLLAR	18,928.47	23,793		0.01	0
MML MANAGED VOLATILITY FUND	EQUITY	EBAY INC	291,390.54	7,721		0.15	
MML MANAGED VOLATILITY FUND	EQUITY	BROWN FORMAN CORP CLASS B	109,185.30	1,590		0.06	
MML MANAGED VOLATILITY FUND	EQUITY	ALLIANT ENERGY CORP	73,843.13	1,733		0.04	
MML MANAGED VOLATILITY FUND	EQUITY	BORGWARNER INC	79,649.31	1,559		0.04	
MML MANAGED VOLATILITY FUND	EQUITY	EOG RESOURCES INC	486,997.83	4,513		0.25	
MML MANAGED VOLATILITY FUND	EQUITY	EDISON INTERNATIONAL	168,471.36	2,664		0.09	
MML MANAGED VOLATILITY FUND	EQUITY	LINCOLN NATIONAL CORP	140,287.75	1,825		0.07	
MML MANAGED VOLATILITY FUND	EQUITY	LOEWS CORP	94,356.58	1,886		0.05	
MML MANAGED VOLATILITY FUND	EQUITY	NISOURCE INC	70,258.79	2,737		0.04	
MML MANAGED VOLATILITY FUND	EQUITY	ONEOK INC	167,351.95	3,131		0.09	
MML MANAGED VOLATILITY FUND	EQUITY	PINNACLE WEST CAPITAL	55,622.54	653		0.03	
MML MANAGED VOLATILITY FUND	EQUITY	SOUTHERN CO/THE	390,346.53	8,117		0.20	
MML MANAGED VOLATILITY FUND	EQUITY	UNUM GROUP	98,472.66	1,794		0.05	
MML MANAGED VOLATILITY FUND	EQUITY	SMITH (A.O.) CORP	72,371.68	1,181		0.04	
MML MANAGED VOLATILITY FUND	EQUITY	DARDEN RESTAURANTS INC	101,493.14	1,057		0.05	
MML MANAGED VOLATILITY FUND	EQUITY	MID AMERICA APARTMENT COMM	89,297.28	888		0.05	
MML MANAGED VOLATILITY FUND	EQUITY	PERKINELMER INC	67,270.40	920		0.04	
MML MANAGED VOLATILITY FUND	EQUITY	REALTY INCOME CORP	128,295.00	2,250		0.07	
MML MANAGED VOLATILITY FUND	EQUITY	ROPER TECHNOLOGIES INC	214,193.00	827		0.11	
MML MANAGED VOLATILITY FUND	EQUITY	EVEREST RE GROUP LTD	69,475.64	314		0.04	
MML MANAGED VOLATILITY FUND	EQUITY	ALASKA AIR GROUP INC	68,290.79	929		0.04	
MML MANAGED VOLATILITY FUND	EQUITY	ALBEMARLE CORP	115,356.78	902		0.06	
MML MANAGED VOLATILITY FUND	EQUITY	ALLSTATE CORP	290,465.54	2,774		0.15	
MML MANAGED VOLATILITY FUND	EQUITY	AMEREN CORPORATION	111,196.15	1,885		0.06	
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	LASALLE HOTEL PROPERTIES	850,408.72	30,296		0.79	
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	CARPENTER TECHNOLOGY	1,339,303.34	26,266		1.25	
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	MIMEDX GROUP INC	785,691.27	62,307		0.73	
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	GLOBUS MEDICAL INC A	1,213,025.40	29,514		1.13	
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	AMBARELLA INC	487,625.00	8,300		0.45	
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	TRI POINTE GROUP INC	1,289,989.12	71,986		1.20	

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date	
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	HANNON ARMSTRONG SUSTAINABLE	1,068,889.56	44,426		1.00		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	BANC OF CALIFORNIA INC	482,590.50	23,370		0.45		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	REXFORD INDUSTRIAL REALTY IN	1,039,145.76	35,636		0.97		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	PATTERN ENERGY GROUP INC	987,637.42	45,958		0.92		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	QTS REALTY TRUST INC CL A	781,149.68	14,423		0.73		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	STERLING BANCORP/DE	1,341,757.80	54,543		1.25		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	ULTRAGENYX PHARMACEUTICAL IN	276,610.32	5,964		0.26		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	IGNYTA INC	859,740.00	32,200		0.80		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	DROPBOX INC	88,494.68	6,694		0.08		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	TRINET GROUP INC	1,365,760.68	30,802		1.27		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	2U INC	1,660,293.87	25,737		1.55		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	ZENDESK INC	978,111.36	28,904		0.91		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	SOUTH STATE CORP	942,178.65	10,811		0.88		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	FCB FINANCIAL HOLDINGS CL A	1,328,420.00	26,150		1.24		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	ORION ENGINEERED CARBONS SA	1,112,038.40	43,439		1.04		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	ADVANCED DRAINAGE SYSTEMS IN	1,197,341.55	50,203		1.12		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	DERMIRA INC	624,251.07	22,447		0.58		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	HUBSPOT INC	1,462,843.20	16,548		1.36		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	PRA GROUP INC	917,880.40	27,647		0.85		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	OUTFRONT MEDIA INC	944,889.60	40,728		0.88		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	JAMES RIVER GROUP HOLDINGS L	600,870.18	15,018		0.56		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	SPARK THERAPEUTICS INC	565,620.00	11,000		0.53		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	ADURO BIOTECH INC	302,340.00	40,312		0.28		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	BLUEPRINT MEDICINES CORP	458,945.26	6,086		0.43		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	8POINT3 ENERGY PARTNERS LP	923,262.21	60,701		0.86		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	TELADOC INC	493,998.75	14,175		0.46		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	LINDBLAD EXPEDITIONS HOLDING	909,285.41	92,879		0.85		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	SPX FLOW INC	760,800.00	16,000		0.71		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	PERFORMANCE FOOD GROUP CO	1,280,076.30	38,673		1.19		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	BMC STOCK HOLDINGS INC	1,300,420.00	51,400		1.21		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	ACACIA COMMUNICATIONS INC	609,968.28	16,836		0.57		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	CARDTRONICS PLC A	600,899.92	32,446		0.56		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	LIFE STORAGE INC	1,227,829.95	13,785		1.14		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	FIRSTCASH INC	1,187,592.15	17,607		1.11		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	ACUSHNET HOLDINGS CORP	1,136,106.60	53,895		1.06		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	CLOUDERA INC	727,392.12	44,031		0.68		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	FIVE POINT HOLDINGS LLC CL A	634,824.30	45,023		0.59		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	DELEK US HOLDINGS INC	1,484,810.24	42,496		1.38		
MML SMALL CAP GROWTH EQUITY FUND	CASH EQUIVALENT	FIXED INC CLEARING CORP.REPO	1,117,133.72	1,117,134		1.04	0.54	1/2/2018
MML SMALL CAP GROWTH EQUITY FUND	CASH EQUIVALENT	EURO TIME DEPOSIT (USD)	7,372.78	7,373		0.01	0.000003	1/2/2018
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	JOHN BEAN TECHNOLOGIES CORP	1,178,912.00	10,640		1.10		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	COOPER TIRE + RUBBER	588,224.00	16,640		0.55		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	GATX CORP	1,060,946.88	17,068		0.99		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	TENNECO INC	1,058,871.52	18,088		0.99		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	TIMKEN CO	1,205,256.30	24,522		1.12		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	CALLON PETROLEUM CO	1,212,788.70	99,818		1.13		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	CLEAN HARBORS INC	960,749.20	17,726		0.89		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	DECKERS OUTDOOR CORP	1,192,033.50	14,854		1.11		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	LA Z BOY INC	945,765.60	30,313		0.88		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	WATTS WATER TECHNOLOGIES A	1,146,389.30	15,094		1.07		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	BLACK HILLS CORP	946,552.17	15,747		0.88		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	CHEESECAKE FACTORY INC/THE	1,098,455.82	22,799		1.02		

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	CHICO S FAS INC	1,030,652.28	116,854	0.96		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	FERRO CORP	1,484,188.44	62,916	1.38		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	HAEMONETICS CORP/MASS	1,537,958.40	26,480	1.43		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	HORACE MANN EDUCATORS	980,078.40	22,224	0.91		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	KIRBY CORP	1,198,926.40	17,948	1.12		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	NU SKIN ENTERPRISES INC A	1,115,901.65	16,355	1.04		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	REDWOOD TRUST INC	922,130.04	62,222	0.86		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	MGIC INVESTMENT CORP	1,368,190.26	96,966	1.27		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	TELEDYNE TECHNOLOGIES INC	1,152,657.45	6,363	1.07		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	NEW YORK TIMES CO A	1,203,351.00	65,046	1.12		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	MINERALS TECHNOLOGIES INC	928,029.15	13,479	0.86		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	POLYONE CORPORATION	1,033,777.50	23,765	0.96		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	ORASURE TECHNOLOGIES INC	50,922.00	2,700	0.05		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	KINDRED HEALTHCARE INC	1,200,772.70	123,791	1.12		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	PACIFIC PREMIER BANCORP INC	1,093,160.00	27,329	1.02		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	MB FINANCIAL INC	1,276,121.28	28,664	1.19		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	MFA FINANCIAL INC	976,615.20	123,310	0.91		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	HMS HOLDINGS CORP	969,133.20	57,176	0.90		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	MOLINA HEALTHCARE INC	1,338,449.40	17,455	1.25		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	TEXAS CAPITAL BANCSHARES INC	1,199,438.80	13,492	1.12		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	CALLIDUS SOFTWARE INC	847,696.20	29,588	0.79		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	ASSURED GUARANTY LTD	889,629.42	26,266	0.83		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	MOMENTA PHARMACEUTICALS INC	564,291.45	40,451	0.53		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	VERIFONE SYSTEMS INC	599,837.70	33,870	0.56		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	WESTERN ALLIANCE BANCORP	975,619.22	17,231	0.91		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	AMERIS BANCORP	1,092,260.20	22,661	1.02		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	POTLATCH CORP	883,130.20	17,698	0.82		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	VONAGE HOLDINGS CORP	1,593,344.07	156,671	1.48		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	CHART INDUSTRIES INC	1,343,804.22	28,677	1.25		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	CIENA CORP	1,000,621.44	47,808	0.93		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	EHEALTH INC	671,888.97	38,681	0.63		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	FIRST SOLAR INC	1,249,795.20	18,510	1.16		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	CINEMARK HOLDINGS INC	1,165,390.58	33,469	1.09		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	INSULET CORP	1,422,642.00	20,618	1.33		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	GRAPHIC PACKAGING HOLDING CO	931,743.15	60,307	0.87		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	KENNEDY WILSON HOLDINGS INC	693,965.30	39,998	0.65		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	OCLARO INC	522,147.80	77,470	0.49		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	BROADSOFT INC	1,079,718.30	19,667	1.01		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	STATE BANK FINANCIAL CORP	1,148,392.40	38,485	1.07		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	AIR LEASE CORP	1,153,246.29	23,981	1.07		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	SPIRIT AIRLINES INC	639,650.70	14,262	0.60		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	CAVIUM INC	1,323,675.70	15,790	1.23		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	KEMPER CORP	1,203,200.70	17,463	1.12		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	MACOM TECHNOLOGY SOLUTIONS H	359,501.92	11,048	0.33		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	ISHARES RUSSELL 2000 ETF	998,003.16	6,546	0.93		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	ENTEGRIS INC	1,339,921.80	44,004	1.25		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	METHANEX CORP	1,478,025.50	24,410	1.38		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	RAMBUS INC	625,680.00	44,000	0.58		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	LIFEPOINT HEALTH INC	940,273.80	18,881	0.88		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	PAPA JOHN S INTL INC	488,157.00	8,700	0.45		
MML SMALL CAP GROWTH EQUITY FUND	CASH	POUND STERLING	6.74	5	0.00		0
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	WABASH NATIONAL CORP	804,657.70	37,081	0.75		

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	WERNER ENTERPRISES INC	919,870.00	23,800	0.86		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	GRUBHUB INC	593,211.60	8,262	0.55		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	FIVE9 INC	703,954.72	28,294	0.66		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	SAGE THERAPEUTICS INC	855,668.45	5,195	0.80		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	HEALTH EQUITY INC	589,875.72	12,642	0.55		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	LOXO ONCOLOGY INC	356,670.66	4,237	0.33		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	WAYFAIR INC CLASS A	1,103,712.50	13,750	1.03		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	DERMIRA INC	546,911.46	19,666	0.51		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	HUBSPOT INC	1,551,685.20	17,553	1.45		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	DAVE + BUSTER S ENTERTAINMEN	1,156,473.54	20,962	1.08		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	PRA HEALTH SCIENCES INC	1,288,276.22	14,146	1.20		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	DRAFTKINGS INC PP	112,043.68	78,904	0.10		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	ZUORA INC.	372,764.21	69,937	0.35		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	GODADDY INC CLASS A	1,432,980.00	28,500	1.34		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	BLUEPRINT MEDICINES CORP	778,080.38	10,318	0.73		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	TOPBUILD CORP	1,029,230.86	13,589	0.96		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	BLUE BUFFALO PET PRODUCTS IN	1,649,828.85	50,315	1.54		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	PLANET FITNESS INC CL A	2,499,766.55	72,185	2.33		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	GLOBAL BLOOD THERAPEUTICS IN	527,250.65	13,399	0.49		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	ZILLOW GROUP INC C	772,446.84	18,877	0.72		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	SPX FLOW INC	542,070.00	11,400	0.51		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	PERFORMANCE FOOD GROUP CO	1,624,879.00	49,090	1.52		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	QUOTIENT TECHNOLOGY INC	512,323.50	43,602	0.48		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	MYOKARDIA INC	486,802.30	11,563	0.45		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	MIMECAST LTD	1,458,500.24	50,872	1.36		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	BMC STOCK HOLDINGS INC	864,703.40	34,178	0.81		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	IONIS PHARMACEUTICALS INC	482,980.60	9,602	0.45		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	UNDER ARMOUR INC CLASS C	518,774.04	38,947	0.48		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	INGEVITY CORP	578,206.35	8,205	0.54		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	ITT INC	1,520,244.45	28,485	1.42		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	AXCELIS TECHNOLOGIES INC	857,814.30	29,889	0.80		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	FLOOR + DECOR HOLDINGS INC A	997,453.20	20,490	0.93		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	TRADE DESK INC/THE CLASS A	802,012.74	17,538	0.75		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	CENTENNIAL RESOURCE DEVELO A	1,639,004.40	82,778	1.53		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	JELD WEN HOLDING INC	1,602,555.85	40,705	1.50		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	OKTA INC	745,327.83	29,103	0.70		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	SCHNEIDER NATIONAL INC CL B	1,210,686.96	42,391	1.13		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	SPARK THERAPEUTICS INC	320,243.76	6,228	0.30		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	MARKLOGIC CORPORATION	225,066.80	22,966	0.21		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	WINGSTOP INC	971,420.58	24,921	0.91		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	/US/99Z03QI47 HONEST CO/THE	142,434.99	4,027	0.13		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	DOCUSIGN SERIES E F ESCROW S	-	2,601	0.00		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	CLOUDERA INC	769,319.88	46,569	0.72		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	KNIGHT SWIFT TRANSPORTATION	1,358,861.32	31,081	1.27		
MML SMALL CAP GROWTH EQUITY FUND	CASH EQUIVALENT	FIXED INC CLEARING CORP.REPO	2,142,311.59	2,142,312	2.00	0.54	1/2/2018
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	VERACODE INC PP	42,965.76	10,688	0.04		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	INTEGRIS INC	985,270.65	32,357	0.92		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	SKECHERS USA INC CL A	1,364,775.28	36,067	1.27		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	CORPORATE OFFICE PROPERTIES	720,422.40	24,672	0.67		
MML SMALL CAP GROWTH EQUITY FUND	CASH	POUND STERLING	3.32	2	0.00	0	
MML SMALL CAP GROWTH EQUITY FUND	CASH	HONG KONG DOLLAR	1.46	11	0.00	0	
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	LASALLE HOTEL PROPERTIES	707,364.00	25,200	0.66		

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	CARPENTER TECHNOLOGY	1,065,436.05	20,895	0.99		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	BOYD GAMING CORP	1,444,200.20	41,204	1.35		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	ITRON INC	536,052.00	7,860	0.50		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	KAMAN CORP	1,322,429.00	22,475	1.23		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	NEUROCRINE BIOSCIENCES INC	788,081.63	10,157	0.74		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	OXFORD INDUSTRIES INC	1,139,053.31	15,149	1.06		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	II VI INC	1,185,018.00	25,240	1.11		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	WOLVERINE WORLD WIDE INC	1,080,827.64	33,903	1.01		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	COSTAR GROUP INC	1,463,666.55	4,929	1.37		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	FAIR ISAAC CORP	1,304,498.00	8,515	1.22		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	FERRO CORP	1,040,720.03	44,117	0.97		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	REGAL BELOIT CORP	765,080.80	9,988	0.71		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	ZEBRA TECHNOLOGIES CORP CL A	1,977,182.40	19,048	1.84		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	MGIC INVESTMENT CORP	1,574,746.55	111,605	1.47		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	ORASURE TECHNOLOGIES INC	1,113,494.40	59,040	1.04		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	EXACT SCIENCES CORP	1,959,531.84	37,296	1.83		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	MB FINANCIAL INC	1,619,236.92	36,371	1.51		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	MANTECH INTERNATIONAL CORP A	1,063,475.91	21,189	0.99		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	JETBLUE AIRWAYS CORP	1,631,802.96	73,044	1.52		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	NAUTILUS INC	533,813.10	39,986	0.50		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	NEKTAR THERAPEUTICS	893,530.64	14,962	0.83		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	BRINK S CO/THE	1,587,693.80	20,174	1.48		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	CARTER S INC	1,832,139.06	15,594	1.71		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	BEACON ROOFING SUPPLY INC	1,621,671.84	25,434	1.51		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	NUTRISYSTEM INC	984,724.60	18,721	0.92		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	DEXCOM INC	613,269.54	10,686	0.57		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	WESTERN ALLIANCE BANCORP	1,638,469.56	28,938	1.53		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	ALTRA INDUSTRIAL MOTION CORP	1,453,888.80	28,847	1.36		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	INSULET CORP	2,239,464.00	32,456	2.09		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	AMICUS THERAPEUTICS INC	545,064.42	37,878	0.51		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	KENNEDY WILSON HOLDINGS INC	910,736.20	52,492	0.85		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	IRONWOOD PHARMACEUTICALS INC	387,326.61	25,839	0.36		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	CORESITE REALTY CORP	611,415.20	5,368	0.57		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	GALAPAGOS NV SPON ADR	813,180.48	8,673	0.76		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	MARRIOTT VACATIONS WORLD	1,415,243.07	10,467	1.32		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	ZYNGA INC CL A	695,292.00	173,823	0.65		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	GUIDEWIRE SOFTWARE INC	1,087,240.66	14,641	1.01		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	EPAM SYSTEMS INC	1,393,044.81	12,967	1.30		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	REXNORD CORP	2,179,513.26	83,763	2.03		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	PROOFPOINT INC	628,241.94	7,074	0.59		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	WAGEWORKS INC	215,822.00	3,481	0.20		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	MIMEDX GROUP INC	295,061.39	23,399	0.28		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	TESARO INC	257,311.35	3,105	0.24		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	TOWER SEMICONDUCTOR LTD	2,051,581.92	60,199	1.91		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	TRI POINTE GROUP INC	958,720.00	53,500	0.89		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	HANNON ARMSTRONG SUSTAINABLE	1,005,178.68	41,778	0.94		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	BLACKHAWK NETWORK HOLDINGS I	458,423.35	12,859	0.43		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	PORTOLA PHARMACEUTICALS INC	775,277.68	15,926	0.72		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	BLUEBIRD BIO INC	679,985.80	3,818	0.63		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	SCIENCE APPLICATIONS INTE	755,899.04	9,872	0.71		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	QTS REALTY TRUST INC CL A	665,355.60	12,285	0.62		
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	VEEVA SYSTEMS INC CLASS A	382,758.72	6,924	0.36		

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	AERIE PHARMACEUTICALS INC	1,128,438.50	18,886		1.05	
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	STERLING BANCORP/DE	1,955,232.60	79,481		1.82	
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	REVANCE THERAPEUTICS INC	358,822.75	10,037		0.33	
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	INOGEN INC	387,724.48	3,256		0.36	
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	PAYLOCITY HOLDING CORP	853,218.72	18,092		0.80	
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	2U INC	1,753,123.76	27,176		1.64	
MML LARGE CAP GROWTH FUND	EQUITY	EXPEDITORS INTL WASH INC	3,237,475.74	50,046		2.83	
MML LARGE CAP GROWTH FUND	EQUITY	AMAZON.COM INC	8,390,947.25	7,175		7.32	
MML LARGE CAP GROWTH FUND	EQUITY	REGENERON PHARMACEUTICALS	2,733,605.16	7,271		2.39	
MML LARGE CAP GROWTH FUND	EQUITY	CERNER CORP	2,405,216.49	35,691		2.10	
MML LARGE CAP GROWTH FUND	EQUITY	VARIAN MEDICAL SYSTEMS INC	2,517,436.35	22,649		2.20	
MML LARGE CAP GROWTH FUND	EQUITY	FACTSET RESEARCH SYSTEMS INC	1,921,238.92	9,967		1.68	
MML LARGE CAP GROWTH FUND	EQUITY	SEI INVESTMENTS COMPANY	3,729,965.16	51,906		3.25	
MML LARGE CAP GROWTH FUND	EQUITY	PROCTER + GAMBLE CO/THE	3,064,014.24	33,348		2.67	
MML LARGE CAP GROWTH FUND	EQUITY	AMGEN INC	1,996,545.90	11,481		1.74	
MML LARGE CAP GROWTH FUND	EQUITY	CISCO SYSTEMS INC	5,492,334.90	143,403		4.79	
MML LARGE CAP GROWTH FUND	EQUITY	MICROSOFT CORP	3,258,133.06	38,089		2.84	
MML LARGE CAP GROWTH FUND	EQUITY	ORACLE CORP	5,615,351.04	118,768		4.90	
MML LARGE CAP GROWTH FUND	EQUITY	AMERICAN EXPRESS CO	1,699,492.03	17,113		1.48	
MML LARGE CAP GROWTH FUND	EQUITY	COCA COLA CO/THE	3,049,001.28	66,456		2.66	
MML LARGE CAP GROWTH FUND	EQUITY	ANALOG DEVICES INC	501,060.84	5,628		0.44	
MML LARGE CAP GROWTH FUND	EQUITY	UNITED PARCEL SERVICE CL B	2,545,282.30	21,362		2.22	
MML LARGE CAP GROWTH FUND	EQUITY	AUTOMATIC DATA PROCESSING	977,364.60	8,340		0.85	
MML LARGE CAP GROWTH FUND	EQUITY	SCHLUMBERGER LTD	3,665,476.88	54,392		3.20	
MML LARGE CAP GROWTH FUND	EQUITY	QUALCOMM INC	3,611,688.30	56,415		3.15	
MML LARGE CAP GROWTH FUND	EQUITY	NOVARTIS AG SPONSORED ADR	2,049,211.72	24,407		1.79	
MML LARGE CAP GROWTH FUND	EQUITY	NOVO NORDISK A/S SPONS ADR	3,834,506.82	71,446		3.35	
MML LARGE CAP GROWTH FUND	EQUITY	AUTODESK INC	3,741,382.70	35,690		3.26	
MML LARGE CAP GROWTH FUND	EQUITY	YUM BRANDS INC	1,991,773.66	24,406		1.74	
MML LARGE CAP GROWTH FUND	EQUITY	VISA INC CLASS A SHARES	6,180,682.14	54,207		5.39	
MML LARGE CAP GROWTH FUND	EQUITY	DANONE SPONS ADR	3,694,212.99	220,287		3.22	
MML LARGE CAP GROWTH FUND	EQUITY	MERCK + CO. INC.	1,108,519.00	19,700		0.97	
MML LARGE CAP GROWTH FUND	EQUITY	FACEBOOK INC A	7,568,898.78	42,893		6.60	
MML LARGE CAP GROWTH FUND	EQUITY	ALIBABA GROUP HOLDING SP ADR	7,181,537.07	41,649		6.27	
MML LARGE CAP GROWTH FUND	EQUITY	MONSTER BEVERAGE CORP	4,722,383.35	74,615		4.12	
MML LARGE CAP GROWTH FUND	EQUITY	ALPHABET INC CL C	3,399,753.60	3,249		2.97	
MML LARGE CAP GROWTH FUND	EQUITY	ALPHABET INC CL A	3,414,069.40	3,241		2.98	
MML LARGE CAP GROWTH FUND	EQUITY	YUM CHINA HOLDINGS INC	1,437,518.40	35,920		1.25	
MML LARGE CAP GROWTH FUND	CASH EQUIVALENT	FIXED INC CLEARING CORP.REPO	496,080.48	496,080		0.43	0.54
MML LARGE CAP GROWTH FUND	EQUITY	DEERE + CO	3,366,686.61	21,511		2.94	1/2/2018
MML EQUITY INCOME FUND	EQUITY	PHILIP MORRIS INTERNATIONAL	4,764,815.00	45,100		0.91	
MML EQUITY INCOME FUND	EQUITY	EQT CORP	642,057.60	11,280		0.12	
MML EQUITY INCOME FUND	EQUITY	MERCK + CO. INC.	5,036,165.00	89,500		0.96	
MML EQUITY INCOME FUND	EQUITY	CITIGROUP INC	8,036,280.00	108,000		1.53	
MML EQUITY INCOME FUND	EQUITY	L BRANDS INC	1,324,840.00	22,000		0.25	
MML EQUITY INCOME FUND	EQUITY	COTY INC CL A	2,219,186.97	111,573		0.42	
MML EQUITY INCOME FUND	EQUITY	NEWS CORP CLASS A	4,566,357.00	281,700		0.87	
MML EQUITY INCOME FUND	EQUITY	VODAFONE GROUP PLC	769,590.69	243,613		0.15	
MML EQUITY INCOME FUND	EQUITY	ANTHEM INC	9,540,424.00	42,400		1.81	
MML EQUITY INCOME FUND	EQUITY	MEDTRONIC PLC	6,140,956.75	76,049		1.17	
MML EQUITY INCOME FUND	EQUITY	HEWLETT PACKARD ENTERPRISE	1,197,624.00	83,400		0.23	
MML EQUITY INCOME FUND	EQUITY	WILLIS TOWERS WATSON PLC	1,739,113.29	11,541		0.33	

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML EQUITY INCOME FUND	EQUITY	CHUBB LTD	5,422,592.04	37,108	1.03		
MML EQUITY INCOME FUND	EQUITY	JOHNSON CONTROLS INTERNATION	7,950,317.65	208,615	1.51		
MML EQUITY INCOME FUND	EQUITY	ADIENT PLC	3,414,084.70	43,381	0.65		
MML EQUITY INCOME FUND	EQUITY	DTE ENERGY CO	836,649.80	15,505	0.16		
MML EQUITY INCOME FUND	FIXED INCOME	WESTERN DIGITAL CORP	805,331.25	695,000	0.15	10.5	4/1/2024
MML EQUITY INCOME FUND	EQUITY	BECTON DICKINSON AND CO	3,679,487.10	63,549	0.70		
MML EQUITY INCOME FUND	EQUITY	BRIGHTHOUSE FINANCIAL INC	3,822,213.84	65,181	0.73		
MML EQUITY INCOME FUND	EQUITY	DOWDUPONT INC	9,836,550.30	138,115	1.87		
MML EQUITY INCOME FUND	FIXED INCOME	MATTEL INC	1,596,183.75	1,575,000	0.30	6.75	12/31/2025
MML EQUITY INCOME FUND	CASH EQUIVALENT	FIXED INC CLEARING CORP.REPO	9,036,108.03	9,036,108	1.72	0.54	1/2/2018
MML EQUITY INCOME FUND	EQUITY	NEXTERA ENERGY INC	3,639,118.60	64,753	0.69		
MML EQUITY INCOME FUND	EQUITY	NORTHERN TRUST CORP	3,645,985.00	36,500	0.69		
MML EQUITY INCOME FUND	EQUITY	APACHE CORP	4,360,734.92	103,286	0.83		
MML EQUITY INCOME FUND	EQUITY	GENERAL ELECTRIC CO	2,563,405.00	146,900	0.49		
MML EQUITY INCOME FUND	EQUITY	PNC FINANCIAL SERVICES GROUP	5,136,724.00	35,600	0.98		
MML EQUITY INCOME FUND	EQUITY	STATE STREET CORP	9,038,686.00	92,600	1.72		
MML EQUITY INCOME FUND	EQUITY	FORD MOTOR CO	1,327,687.00	106,300	0.25		
MML EQUITY INCOME FUND	EQUITY	AMERICAN INTERNATIONAL GROUP	6,136,740.00	103,000	1.17		
MML EQUITY INCOME FUND	EQUITY	TE CONNECTIVITY LTD	2,328,480.00	24,500	0.44		
MML EQUITY INCOME FUND	EQUITY	TWENTY FIRST CENTURY FOX B	8,997,444.00	263,700	1.71		
MML EQUITY INCOME FUND	EQUITY	PENTAIR PLC	2,888,358.00	40,900	0.55		
MML EQUITY INCOME FUND	EQUITY	XL GROUP LTD	2,129,641.20	60,570	0.40		
MML EQUITY INCOME FUND	EQUITY	BRISTOL MYERS SQUIBB CO	4,375,392.00	71,400	0.83		
MML EQUITY INCOME FUND	EQUITY	ILLINOIS TOOL WORKS	3,236,890.00	19,400	0.62		
MML EQUITY INCOME FUND	EQUITY	MARSH + MCLENNAN COS	2,759,121.00	33,900	0.52		
MML EQUITY INCOME FUND	EQUITY	MATTEL INC	2,559,232.00	166,400	0.49		
MML EQUITY INCOME FUND	EQUITY	NUCOR CORP	3,280,728.00	51,600	0.62		
MML EQUITY INCOME FUND	EQUITY	TEXAS INSTRUMENTS INC	3,349,704.12	32,073	0.64		
MML EQUITY INCOME FUND	EQUITY	JOHNSON + JOHNSON	10,171,616.00	72,800	1.93		
MML EQUITY INCOME FUND	EQUITY	UNITED TECHNOLOGIES CORP	739,140.58	5,794	0.14		
MML EQUITY INCOME FUND	EQUITY	ANALOG DEVICES INC	1,376,136.71	15,457	0.26		
MML EQUITY INCOME FUND	EQUITY	PEPSICO INC	5,324,448.00	44,400	1.01		
MML EQUITY INCOME FUND	EQUITY	UNITED PARCEL SERVICE CL B	6,350,695.00	53,300	1.21		
MML EQUITY INCOME FUND	EQUITY	EQUITY RESIDENTIAL	3,086,468.00	48,400	0.59		
MML EQUITY INCOME FUND	CASH	EURO CURRENCY	50,083.98	41,742	0.01	0	
MML EQUITY INCOME FUND	EQUITY	BOEING CO/THE	8,404,935.00	28,500	1.60		
MML EQUITY INCOME FUND	EQUITY	KOHL'S CORP	4,061,827.00	74,900	0.77		
MML EQUITY INCOME FUND	EQUITY	QUALCOMM INC	9,635,010.00	150,500	1.83		
MML EQUITY INCOME FUND	CASH EQUIVALENT	ROWE T PRICE GOV RES FD	1,027.37	1,027	0.00	0.01	9/19/2034
MML EQUITY INCOME FUND	EQUITY	CANADIAN NATURAL RESOURCES	521,512.00	14,600	0.10		
MML EQUITY INCOME FUND	EQUITY	KELLOGG CO	2,195,754.00	32,300	0.42		
MML EQUITY INCOME FUND	EQUITY	FIFTH THIRD BANCORP	7,038,880.00	232,000	1.34		
MML EQUITY INCOME FUND	EQUITY	SEMPRA ENERGY	453,340.80	4,240	0.09		
MML EQUITY INCOME FUND	EQUITY	EDISON INTERNATIONAL	3,854,478.00	60,950	0.73		
MML EQUITY INCOME FUND	EQUITY	LOEWS CORP	7,589,551.00	151,700	1.44		
MML EQUITY INCOME FUND	EQUITY	NISOURCE INC	5,139,134.00	200,200	0.98		
MML EQUITY INCOME FUND	EQUITY	SOUTHERN CO/THE	8,508,419.43	176,927	1.62		
MML EQUITY INCOME FUND	EQUITY	ARCHER DANIELS MIDLAND CO	4,292,568.00	107,100	0.82		
MML EQUITY INCOME FUND	EQUITY	INTERNATIONAL PAPER CO	5,058,162.00	87,300	0.96		
MML EQUITY INCOME FUND	EQUITY	KEYCORP	4,296,210.00	213,000	0.82		
MML EQUITY INCOME FUND	EQUITY	OCCIDENTAL PETROLEUM CORP	6,364,224.00	86,400	1.21		
MML EQUITY INCOME FUND	EQUITY	P G + E CORP	2,958,959.32	66,004	0.56		

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML EQUITY INCOME FUND	EQUITY	RAYONIER INC	4,413,681.83	139,541	0.84		
MML EQUITY INCOME FUND	EQUITY	WESTAR ENERGY INC	1,346,400.00	25,500	0.26		
MML EQUITY INCOME FUND	EQUITY	APPLIED MATERIALS INC	4,058,928.00	79,400	0.77		
MML EQUITY INCOME FUND	EQUITY	FLOWSERVE CORP	2,653,852.96	62,992	0.50		
MML EQUITY INCOME FUND	EQUITY	STERICYCLE INC	1,210,357.98	17,802	0.23		
MML EQUITY INCOME FUND	EQUITY	WESTERN DIGITAL CORP	1,359,963.00	17,100	0.26		
MML EQUITY INCOME FUND	EQUITY	DIAGEO PLC	1,278,599.69	34,936	0.24		
MML EQUITY INCOME FUND	EQUITY	GILEAD SCIENCES INC	5,695,380.00	79,500	1.08		
MML EQUITY INCOME FUND	EQUITY	AKZO NOBEL	1,002,050.42	11,456	0.19		
MML EQUITY INCOME FUND	EQUITY	TELEFONICA SA	2,634,147.41	270,540	0.50		
MML EQUITY INCOME FUND	EQUITY	BECTON DICKINSON AND CO	4,002,922.00	18,700	0.76		
MML EQUITY INCOME FUND	EQUITY	CENTURYLINK INC	1,482,935.40	88,905	0.28		
MML EQUITY INCOME FUND	EQUITY	FRANKLIN RESOURCES INC	1,364,895.00	31,500	0.26		
MML EQUITY INCOME FUND	EQUITY	APPLE INC	913,842.00	5,400	0.17		
MML EQUITY INCOME FUND	EQUITY	CVS HEALTH CORP	1,624,217.50	22,403	0.31		
MML EQUITY INCOME FUND	EQUITY	CISCO SYSTEMS INC	7,644,680.00	199,600	1.45		
MML EQUITY INCOME FUND	EQUITY	WALT DISNEY CO/THE	1,709,409.00	15,900	0.32		
MML EQUITY INCOME FUND	EQUITY	EXXON MOBIL CORP	13,795,748.88	164,942	2.62		
MML EQUITY INCOME FUND	EQUITY	MICROSOFT CORP	11,128,754.00	130,100	2.12		
MML EQUITY INCOME FUND	EQUITY	MORGAN STANLEY	11,532,906.00	219,800	2.19		
MML EQUITY INCOME FUND	EQUITY	PFIZER INC	7,245,955.88	200,054	1.38		
MML EQUITY INCOME FUND	EQUITY	WAL MART STORES INC	6,389,125.00	64,700	1.21		
MML EQUITY INCOME FUND	EQUITY	WELLS FARGO + CO	15,021,892.00	247,600	2.86		
MML EQUITY INCOME FUND	EQUITY	KIMBERLY CLARK CORP	5,972,670.00	49,500	1.14		
MML EQUITY INCOME FUND	EQUITY	BANK OF AMERICA CORP	1,017,761.04	34,477	0.19		
MML EQUITY INCOME FUND	EQUITY	EMERSON ELECTRIC CO	5,010,711.00	71,900	0.95		
MML EQUITY INCOME FUND	EQUITY	HARRIS CORP	8,801,422.75	62,135	1.67		
MML EQUITY INCOME FUND	EQUITY	SOUTHWEST AIRLINES CO	2,231,845.00	34,100	0.42		
MML EQUITY INCOME FUND	EQUITY	VULCAN MATERIALS CO	3,812,589.00	29,700	0.72		
MML EQUITY INCOME FUND	EQUITY	WEYERHAEUSER CO	3,419,197.46	96,971	0.65		
MML EQUITY INCOME FUND	EQUITY	METLIFE INC	6,395,840.00	126,500	1.22		
MML EQUITY INCOME FUND	EQUITY	GLAXOSMITHKLINE PLC SPON ADR	2,071,448.00	58,400	0.39		
MML EQUITY INCOME FUND	EQUITY	TYSON FOODS INC CL A	7,199,016.00	88,800	1.37		
MML EQUITY INCOME FUND	EQUITY	VERIZON COMMUNICATIONS INC	10,746,642.55	203,035	2.04		
MML EQUITY INCOME FUND	EQUITY	EXELON CORP	1,998,756.97	50,717	0.38		
MML EQUITY INCOME FUND	EQUITY	GLAXOSMITHKLINE PLC	3,051,188.89	172,502	0.58		
MML EQUITY INCOME FUND	EQUITY	JPMORGAN CHASE + CO	20,393,458.00	190,700	3.88		
MML EQUITY INCOME FUND	EQUITY	US BANCORP	7,404,756.00	138,200	1.41		
MML EQUITY INCOME FUND	EQUITY	CHEVRON CORP	6,134,310.00	49,000	1.17		
MML EQUITY INCOME FUND	EQUITY	COMCAST CORP CLASS A	6,231,579.75	155,595	1.18		
MML EQUITY INCOME FUND	EQUITY	TRANSCANADA CORP	3,589,632.00	73,800	0.68		
MML EQUITY INCOME FUND	EQUITY	LAS VEGAS SANDS CORP	5,058,872.00	72,800	0.96		
MML EQUITY INCOME FUND	EQUITY	CF INDUSTRIES HOLDINGS INC	5,755,662.00	135,300	1.09		
MML EQUITY INCOME FUND	EQUITY	AMERIPRISE FINANCIAL INC	4,812,948.00	28,400	0.92		
MML EQUITY INCOME FUND	EQUITY	CA INC	898,560.00	27,000	0.17		
MML EQUITY INCOME FUND	EQUITY	HESS CORP	5,326,134.00	112,200	1.01		
MML EQUITY INCOME FUND	EQUITY	TOTAL SA	10,168,696.40	184,298	1.93		
MML EQUITY INCOME FUND	EQUITY	DELTA AIR LINES INC	2,212,000.00	39,500	0.42		
MML EQUITY INCOME FUND	EQUITY	MACY S INC	778,371.00	30,900	0.15		
MML EQUITY INCOME FUND	EQUITY	BANK OF NEW YORK MELLON CORP	4,389,590.00	81,500	0.83		
MML MID CAP VALUE FUND	EQUITY	REINSURANCE GROUP OF AMERICA	3,631,765.63	23,291	0.74		
MML MID CAP VALUE FUND	EQUITY	EQT CORP	6,481,081.96	113,863	1.33		

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML MID CAP VALUE FUND	EQUITY	INGERSOLL RAND PLC	4,563,763.11	51,169	0.94		
MML MID CAP VALUE FUND	EQUITY	PIEDMONT OFFICE REALTY TRU A	3,587,982.87	182,967	0.74		
MML MID CAP VALUE FUND	EQUITY	CAPITOL FEDERAL FINANCIAL IN	3,928,218.12	292,932	0.81		
MML MID CAP VALUE FUND	EQUITY	HCA HEALTHCARE INC	5,216,641.92	59,388	1.07		
MML MID CAP VALUE FUND	EQUITY	TE CONNECTIVITY LTD	4,864,622.40	51,185	1.00		
MML MID CAP VALUE FUND	EQUITY	MARATHON PETROLEUM CORP	4,072,087.66	61,717	0.83		
MML MID CAP VALUE FUND	EQUITY	AMERICAN TOWER CORP	4,556,594.46	31,938	0.93		
MML MID CAP VALUE FUND	EQUITY	EXPRESS SCRIPTS HOLDING CO	4,685,078.16	62,769	0.96		
MML MID CAP VALUE FUND	EQUITY	MONDELEZ INTERNATIONAL INC A	7,809,930.00	182,475	1.60		
MML MID CAP VALUE FUND	EQUITY	EATON CORP PLC	4,684,028.84	59,284	0.96		
MML MID CAP VALUE FUND	EQUITY	EMPIRE STATE REALTY TRUST A	1,609,018.22	78,374	0.33		
MML MID CAP VALUE FUND	EQUITY	KEYSIGHT TECHNOLOGIES IN	5,834,566.40	140,254	1.20		
MML MID CAP VALUE FUND	EQUITY	EVERSOURCE ENERGY	2,225,010.06	35,217	0.46		
MML MID CAP VALUE FUND	EQUITY	WESTROCK CO	8,591,439.99	135,919	1.76		
MML MID CAP VALUE FUND	EQUITY	STERIS PLC	3,742,753.83	42,789	0.77		
MML MID CAP VALUE FUND	EQUITY	HUBBELL INC	7,646,439.32	56,498	1.57		
MML MID CAP VALUE FUND	EQUITY	CHUBB LTD	7,382,779.86	50,522	1.51		
MML MID CAP VALUE FUND	EQUITY	SPIRE INC	3,620,802.15	48,181	0.74		
MML MID CAP VALUE FUND	EQUITY	JOHNSON CONTROLS INTERNATION	12,569,211.54	329,814	2.58		
MML MID CAP VALUE FUND	EQUITY	BAKER HUGHES A GE CO	6,332,239.76	200,134	1.30		
MML MID CAP VALUE FUND	EQUITY	APTIV PLC	1,223,078.94	14,418	0.25		
MML MID CAP VALUE FUND	CASH EQUIVALENT	FIXED INC CLEARING CORP.REPO	13,347,639.63	13,347,640	2.74	0.54	1/2/2018
MML MID CAP VALUE FUND	EQUITY	HELMERICH + PAYNE	3,570,131.84	55,231	0.73		
MML MID CAP VALUE FUND	EQUITY	LAM RESEARCH CORP	3,155,327.94	17,142	0.65		
MML MID CAP VALUE FUND	EQUITY	NORFOLK SOUTHERN CORP	2,668,478.40	18,416	0.55		
MML MID CAP VALUE FUND	EQUITY	OCCIDENTAL PETROLEUM CORP	6,998,878.56	95,016	1.43		
MML MID CAP VALUE FUND	EQUITY	P G + E CORP	1,316,343.29	29,363	0.27		
MML MID CAP VALUE FUND	EQUITY	PULTEGROUP INC	3,658,697.00	110,036	0.75		
MML MID CAP VALUE FUND	EQUITY	UMB FINANCIAL CORP	1,638,337.60	22,780	0.34		
MML MID CAP VALUE FUND	EQUITY	QUEST DIAGNOSTICS INC	4,023,021.03	40,847	0.82		
MML MID CAP VALUE FUND	EQUITY	HENRY SCHEIN INC	2,415,681.72	34,569	0.50		
MML MID CAP VALUE FUND	EQUITY	APPLIED MATERIALS INC	5,517,126.00	107,925	1.13		
MML MID CAP VALUE FUND	EQUITY	ATMOS ENERGY CORP	2,926,529.97	34,073	0.60		
MML MID CAP VALUE FUND	EQUITY	BROWN + BROWN INC	2,324,962.80	45,180	0.48		
MML MID CAP VALUE FUND	EQUITY	MGM GROWTH PROPERTIES LLC A	3,087,130.75	105,905	0.63		
MML MID CAP VALUE FUND	EQUITY	NOBLE ENERGY INC	6,615,799.90	227,035	1.36		
MML MID CAP VALUE FUND	EQUITY	IMPERIAL OIL LTD	8,140,271.81	260,829	1.67		
MML MID CAP VALUE FUND	EQUITY	COMMERCE BANCSHARES INC	4,382,044.00	78,475	0.90		
MML MID CAP VALUE FUND	EQUITY	NORTHERN TRUST CORP	12,570,357.38	125,842	2.58		
MML MID CAP VALUE FUND	EQUITY	KELLOGG CO	6,334,240.44	93,178	1.30		
MML MID CAP VALUE FUND	EQUITY	M + T BANK CORP	6,249,342.52	36,548	1.28		
MML MID CAP VALUE FUND	EQUITY	LIFEPOINT HEALTH INC	5,550,757.80	111,461	1.14		
MML MID CAP VALUE FUND	EQUITY	BB+T CORP	8,348,286.32	167,906	1.71		
MML MID CAP VALUE FUND	EQUITY	COMERICA INC	1,352,239.37	15,577	0.28		
MML MID CAP VALUE FUND	EQUITY	MCKESSON CORP	4,280,515.60	27,448	0.88		
MML MID CAP VALUE FUND	EQUITY	BEMIS COMPANY	3,385,778.13	70,847	0.69		
MML MID CAP VALUE FUND	CASH	POUND STERLING	(0.03)	(0)	0.00	0	
MML MID CAP VALUE FUND	EQUITY	EDISON INTERNATIONAL	3,576,980.88	56,562	0.73		
MML MID CAP VALUE FUND	EQUITY	PINNACLE WEST CAPITAL	3,561,120.26	41,807	0.73		
MML MID CAP VALUE FUND	EQUITY	UNUM GROUP	2,026,977.92	36,928	0.42		
MML MID CAP VALUE FUND	EQUITY	AMEREN CORPORATION	2,392,221.47	40,553	0.49		
MML MID CAP VALUE FUND	EQUITY	CUMMINS INC	3,562,298.88	20,167	0.73		

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML MID CAP VALUE FUND	EQUITY	DEVON ENERGY CORP	4,592,667.60	110,934	0.94		
MML MID CAP VALUE FUND	EQUITY	ARTHUR J GALLAGHER + CO	3,219,939.52	50,884	0.66		
MML MID CAP VALUE FUND	EQUITY	HEARTLAND EXPRESS INC	4,866,553.38	208,507	1.00		
MML MID CAP VALUE FUND	EQUITY	MSC INDUSTRIAL DIRECT CO A	5,233,172.40	54,140	1.07		
MML MID CAP VALUE FUND	EQUITY	TERADYNE INC	4,787,164.58	114,334	0.98		
MML MID CAP VALUE FUND	EQUITY	WESTAMERICA BANCORPORATION	4,895,188.65	82,203	1.00		
MML MID CAP VALUE FUND	EQUITY	CENTURYLINK INC	1,121,513.16	67,237	0.23		
MML MID CAP VALUE FUND	EQUITY	CONAGRA BRANDS INC	8,925,228.44	236,932	1.83		
MML MID CAP VALUE FUND	EQUITY	PNC FINANCIAL SERVICES GROUP	3,427,608.95	23,755	0.70		
MML MID CAP VALUE FUND	EQUITY	TORCHMARK CORP	1,700,086.82	18,742	0.35		
MML MID CAP VALUE FUND	EQUITY	EMERSON ELECTRIC CO	6,943,772.22	99,638	1.42		
MML MID CAP VALUE FUND	EQUITY	SONOCO PRODUCTS CO	4,852,266.54	91,311	0.99		
MML MID CAP VALUE FUND	EQUITY	SYSCO CORP	6,848,461.37	112,769	1.40		
MML MID CAP VALUE FUND	EQUITY	TEXTRON INC	5,558,043.44	98,216	1.14		
MML MID CAP VALUE FUND	EQUITY	TARGET CORP	3,897,578.25	59,733	0.80		
MML MID CAP VALUE FUND	EQUITY	CARDINAL HEALTH INC	6,339,790.71	103,473	1.30		
MML MID CAP VALUE FUND	EQUITY	ANADARKO PETROLEUM CORP	5,034,972.24	93,866	1.03		
MML MID CAP VALUE FUND	EQUITY	BOSTON PROPERTIES INC	2,842,845.89	21,863	0.58		
MML MID CAP VALUE FUND	CASH	EURO CURRENCY	0.70	1	0.00		0
MML MID CAP VALUE FUND	EQUITY	GENERAL MILLS INC	7,631,215.90	128,710	1.56		
MML MID CAP VALUE FUND	EQUITY	HALLIBURTON CO	3,094,790.49	63,327	0.63		
MML MID CAP VALUE FUND	EQUITY	MAXIM INTEGRATED PRODUCTS	6,827,768.00	130,600	1.40		
MML MID CAP VALUE FUND	EQUITY	SUNTRUST BANKS INC	4,126,525.92	63,888	0.85		
MML MID CAP VALUE FUND	EQUITY	WEYERHAEUSER CO	10,765,865.28	305,328	2.21		
MML MID CAP VALUE FUND	EQUITY	AFLAC INC	2,943,263.40	33,530	0.60		
MML MID CAP VALUE FUND	EQUITY	HONDA MOTOR CO LTD SPONS ADR	4,925,684.64	144,533	1.01		
MML MID CAP VALUE FUND	EQUITY	PARKER HANNIFIN CORP	1,405,242.78	7,041	0.29		
MML MID CAP VALUE FUND	EQUITY	REPUBLIC SERVICES INC	3,645,801.64	53,924	0.75		
MML MID CAP VALUE FUND	EQUITY	PACCAR INC	2,187,415.92	30,774	0.45		
MML MID CAP VALUE FUND	EQUITY	NATIONAL OILWELL VARCO INC	6,473,118.18	179,709	1.33		
MML MID CAP VALUE FUND	EQUITY	KONINKLIJKE PHILIPS NV	863,312.57	22,820	0.18		
MML MID CAP VALUE FUND	EQUITY	XCEL ENERGY INC	7,139,427.78	148,398	1.46		
MML MID CAP VALUE FUND	EQUITY	T ROWE PRICE GROUP INC	2,549,903.93	24,301	0.52		
MML MID CAP VALUE FUND	EQUITY	PROASSURANCE CORP	2,073,630.60	36,284	0.43		
MML MID CAP VALUE FUND	EQUITY	ZIMMER BIOMET HOLDINGS INC	12,041,659.30	99,790	2.47		
MML MID CAP VALUE FUND	EQUITY	ADVANCE AUTO PARTS INC	5,347,870.05	53,645	1.10		
MML MID CAP VALUE FUND	EQUITY	ISHARES RUSSELL MID CAP VALUE	9,546,360.30	107,082	1.96		
MML MID CAP VALUE FUND	EQUITY	BANK OF HAWAII CORP	3,697,612.20	43,146	0.76		
MML MID CAP VALUE FUND	EQUITY	JM SMUCKER CO/THE	4,239,317.28	34,122	0.87		
MML MID CAP VALUE FUND	EQUITY	CIMAREX ENERGY CO	2,765,966.70	22,670	0.57		
MML MID CAP VALUE FUND	EQUITY	NORTHWESTERN CORP	4,857,072.60	81,358	1.00		
MML MID CAP VALUE FUND	EQUITY	AMERIPRISE FINANCIAL INC	6,758,633.07	39,881	1.39		
MML MID CAP VALUE FUND	EQUITY	TRAVELERS COS INC/THE	1,356,806.92	10,003	0.28		
MML MID CAP VALUE FUND	EQUITY	ORKLA ASA	5,137,878.13	484,663	1.05		
MML MID CAP VALUE FUND	EQUITY	SPECTRA ENERGY PARTNERS LP	2,678,202.36	67,734	0.55		
MML MID CAP VALUE FUND	EQUITY	INVESCO LTD	8,949,157.56	244,914	1.83		
MML MID CAP VALUE FUND	EQUITY	GRAPHIC PACKAGING HOLDING CO	6,312,375.60	408,568	1.29		
MML MID CAP VALUE FUND	EQUITY	DR PEPPER SNAPPLE GROUP INC	4,514,745.90	46,515	0.93		
MML INCOME & GROWTH FUND	CASH	HONG KONG DOLLAR	(0.09)	(1)	0.00		0
MML INCOME & GROWTH FUND	EQUITY	LOEWS CORP	5,943,263.82	118,794	3.74		
MML INCOME & GROWTH FUND	EQUITY	ENTERGY CORP	4,332,145.53	53,227	2.73		
MML INCOME & GROWTH FUND	EQUITY	KEYCORP	2,729,989.33	135,349	1.72		

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML INCOME & GROWTH FUND	EQUITY	NORFOLK SOUTHERN CORP	2,742,522.30	18,927		1.73	
MML INCOME & GROWTH FUND	EQUITY	OCCIDENTAL PETROLEUM CORP	4,109,123.10	55,785		2.59	
MML INCOME & GROWTH FUND	EQUITY	ORACLE CORP	2,938,593.84	62,153		1.85	
MML INCOME & GROWTH FUND	EQUITY	PFIZER INC	4,909,077.70	135,535		3.09	
MML INCOME & GROWTH FUND	EQUITY	WAL MART STORES INC	5,564,562.50	56,350		3.50	
MML INCOME & GROWTH FUND	EQUITY	WELLS FARGO + CO	5,889,176.23	97,069		3.71	
MML INCOME & GROWTH FUND	EQUITY	BANK OF AMERICA CORP	6,586,207.20	223,110		4.15	
MML INCOME & GROWTH FUND	EQUITY	INTL BUSINESS MACHINES CORP	3,527,586.06	22,993		2.22	
MML INCOME & GROWTH FUND	EQUITY	BP PLC SPONS ADR	5,868,732.96	139,632		3.70	
MML INCOME & GROWTH FUND	EQUITY	JOHNSON + JOHNSON	5,475,487.08	39,189		3.45	
MML INCOME & GROWTH FUND	EQUITY	TARGET CORP	2,577,766.50	39,506		1.62	
MML INCOME & GROWTH FUND	EQUITY	UNITED TECHNOLOGIES CORP	4,615,482.60	36,180		2.91	
MML INCOME & GROWTH FUND	EQUITY	WHIRLPOOL CORP	2,021,487.68	11,987		1.27	
MML INCOME & GROWTH FUND	EQUITY	AMERICAN EXPRESS CO	5,967,438.59	60,089		3.76	
MML INCOME & GROWTH FUND	EQUITY	QUALCOMM INC	2,957,788.02	46,201		1.86	
MML INCOME & GROWTH FUND	EQUITY	SOUTHWEST AIRLINES CO	1,797,322.45	27,461		1.13	
MML INCOME & GROWTH FUND	EQUITY	TYSON FOODS INC CL A	2,071,014.22	25,546		1.30	
MML INCOME & GROWTH FUND	EQUITY	VERIZON COMMUNICATIONS INC	3,568,487.67	67,419		2.25	
MML INCOME & GROWTH FUND	EQUITY	JPMORGAN CHASE + CO	5,538,957.30	51,795		3.49	
MML INCOME & GROWTH FUND	EQUITY	RAYTHEON COMPANY	1,968,292.30	10,478		1.24	
MML INCOME & GROWTH FUND	EQUITY	CHEVRON CORP	4,514,977.35	36,065		2.84	
MML INCOME & GROWTH FUND	EQUITY	SANOFI ADR	2,391,746.00	55,622		1.51	
MML INCOME & GROWTH FUND	EQUITY	CONOCOPHILLIPS	4,568,330.03	83,227		2.88	
MML INCOME & GROWTH FUND	EQUITY	ALTRIA GROUP INC	4,228,186.10	59,210		2.66	
MML INCOME & GROWTH FUND	EQUITY	CELANESE CORP SERIES A	2,338,734.28	21,841		1.47	
MML INCOME & GROWTH FUND	EQUITY	AT+T INC	2,823,815.52	72,629		1.78	
MML INCOME & GROWTH FUND	EQUITY	HCP INC	1,844,247.20	70,715		1.16	
MML INCOME & GROWTH FUND	EQUITY	PHILIP MORRIS INTERNATIONAL	4,176,767.10	39,534		2.63	
MML INCOME & GROWTH FUND	EQUITY	MERCK + CO. INC.	3,663,739.70	65,110		2.31	
MML INCOME & GROWTH FUND	EQUITY	STANLEY BLACK + DECKER INC	3,152,500.82	18,578		1.99	
MML INCOME & GROWTH FUND	EQUITY	CITIGROUP INC	2,653,535.01	35,661		1.67	
MML INCOME & GROWTH FUND	EQUITY	PHILLIPS 66	4,794,307.70	47,398		3.02	
MML INCOME & GROWTH FUND	EQUITY	XL GROUP LTD	2,581,376.88	73,418		1.63	
MML INCOME & GROWTH FUND	EQUITY	JOHNSON CONTROLS INTERNATION	4,445,531.50	116,650		2.80	
MML INCOME & GROWTH FUND	EQUITY	ADIANT PLC	2,090,429.40	26,562		1.32	
MML INCOME & GROWTH FUND	EQUITY	DOWDUPONT INC	5,703,724.92	80,086		3.59	
MML INCOME & GROWTH FUND	CASH EQUIVALENT	FIXED INC CLEARING CORP.REPO	3,060,938.55	3,060,939		1.93	0.54
MML INCOME & GROWTH FUND	EQUITY	STATE STREET CORP	2,747,428.67	28,147		1.73	1/2/2018
MML INCOME & GROWTH FUND	EQUITY	GENERAL ELECTRIC CO	3,317,053.05	190,089		2.09	
MML BLUE CHIP GROWTH FUND	EQUITY	MGM RESORTS INTERNATIONAL	23,373.00	700		0.01	
MML BLUE CHIP GROWTH FUND	EQUITY	SCHWAB (CHARLES) CORP	1,515,415.00	29,500		0.40	
MML BLUE CHIP GROWTH FUND	EQUITY	UNITEDHEALTH GROUP INC	10,615,369.46	48,151		2.81	
MML BLUE CHIP GROWTH FUND	EQUITY	DANAHER CORP	4,395,955.20	47,360		1.16	
MML BLUE CHIP GROWTH FUND	EQUITY	AGILENT TECHNOLOGIES INC	174,122.00	2,600		0.05	
MML BLUE CHIP GROWTH FUND	EQUITY	MICROCHIP TECHNOLOGY INC	1,045,772.00	11,900		0.28	
MML BLUE CHIP GROWTH FUND	EQUITY	STARBUCKS CORP	57,430.00	1,000		0.02	
MML BLUE CHIP GROWTH FUND	EQUITY	ILLUMINA INC	136,774.74	626		0.04	
MML BLUE CHIP GROWTH FUND	EQUITY	CONSTELLATION BRANDS INC A	822,852.00	3,600		0.22	
MML BLUE CHIP GROWTH FUND	EQUITY	AETNA INC	3,488,562.21	19,339		0.92	
MML BLUE CHIP GROWTH FUND	EQUITY	JPMORGAN CHASE + CO	2,684,194.00	25,100		0.71	
MML BLUE CHIP GROWTH FUND	EQUITY	GLOBAL PAYMENTS INC	2,656,360.00	26,500		0.70	
MML BLUE CHIP GROWTH FUND	EQUITY	RAYTHEON COMPANY	56,355.00	300		0.01	

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML BLUE CHIP GROWTH FUND	EQUITY	CANADIAN PACIFIC RAILWAY LTD	785,868.00	4,300	0.21		
MML BLUE CHIP GROWTH FUND	EQUITY	YUM BRANDS INC	3,501,069.00	42,900	0.93		
MML BLUE CHIP GROWTH FUND	EQUITY	NETFLIX INC	3,493,672.00	18,200	0.92		
MML BLUE CHIP GROWTH FUND	EQUITY	PRICELINE GROUP INC/THE	13,516,141.72	7,778	3.58		
MML BLUE CHIP GROWTH FUND	EQUITY	INTUITIVE SURGICAL INC	5,174,849.20	14,180	1.37		
MML BLUE CHIP GROWTH FUND	EQUITY	BIOGEN INC	2,962,701.00	9,300	0.78		
MML BLUE CHIP GROWTH FUND	EQUITY	CTRIIP.COM INTERNATIONAL ADR	874,944.00	19,840	0.23		
MML BLUE CHIP GROWTH FUND	EQUITY	SALESFORCE.COM INC	6,634,727.00	64,900	1.75		
MML BLUE CHIP GROWTH FUND	EQUITY	AMERIPRISE FINANCIAL INC	627,039.00	3,700	0.17		
MML BLUE CHIP GROWTH FUND	EQUITY	TD AMERITRADE HOLDING CORP	5,618,368.92	109,884	1.49		
MML BLUE CHIP GROWTH FUND	EQUITY	FIDELITY NATIONAL INFO SERV	1,811,232.50	19,250	0.48		
MML BLUE CHIP GROWTH FUND	EQUITY	MASTERCARD INC A	10,041,071.04	66,339	2.66		
MML BLUE CHIP GROWTH FUND	EQUITY	DELTA AIR LINES INC	1,248,800.00	22,300	0.33		
MML BLUE CHIP GROWTH FUND	EQUITY	BANK OF NEW YORK MELLON CORP	307,002.00	5,700	0.08		
MML BLUE CHIP GROWTH FUND	EQUITY	VMWARE INC CLASS A	651,664.00	5,200	0.17		
MML BLUE CHIP GROWTH FUND	EQUITY	ULTA BEAUTY INC	67,098.00	300	0.02		
MML BLUE CHIP GROWTH FUND	EQUITY	PHILIP MORRIS INTERNATIONAL	1,394,580.00	13,200	0.37		
MML BLUE CHIP GROWTH FUND	EQUITY	VISA INC CLASS A SHARES	12,254,299.50	107,475	3.24		
MML BLUE CHIP GROWTH FUND	EQUITY	ACTIVISION BLIZZARD INC	658,528.00	10,400	0.17		
MML BLUE CHIP GROWTH FUND	EQUITY	MERCK + CO. INC.	39,389.00	700	0.01		
MML BLUE CHIP GROWTH FUND	EQUITY	DOLLAR GENERAL CORP	1,897,404.00	20,400	0.50		
MML BLUE CHIP GROWTH FUND	EQUITY	STANLEY BLACK + DECKER INC	1,408,427.00	8,300	0.37		
MML BLUE CHIP GROWTH FUND	EQUITY	NEXTERA ENERGY INC	406,094.00	2,600	0.11		
MML BLUE CHIP GROWTH FUND	EQUITY	TESLA INC	2,242,342.70	7,202	0.59		
MML BLUE CHIP GROWTH FUND	EQUITY	UNITED CONTINENTAL HOLDINGS	235,900.00	3,500	0.06		
MML BLUE CHIP GROWTH FUND	EQUITY	FIRST REPUBLIC BANK/CA	40,634.16	469	0.01		
MML BLUE CHIP GROWTH FUND	EQUITY	FLEETCOR TECHNOLOGIES INC	1,193,066.00	6,200	0.32		
MML BLUE CHIP GROWTH FUND	EQUITY	O REILLY AUTOMOTIVE INC	34,637.76	144	0.01		
MML BLUE CHIP GROWTH FUND	EQUITY	CITIGROUP INC	401,814.00	5,400	0.11		
MML BLUE CHIP GROWTH FUND	EQUITY	AMERICAN TOWER CORP	3,194,951.98	22,394	0.85		
MML BLUE CHIP GROWTH FUND	EQUITY	SERVICENOW INC	5,552,788.54	42,586	1.47		
MML BLUE CHIP GROWTH FUND	EQUITY	WORKDAY INC CLASS A	1,770,276.00	17,400	0.47		
MML BLUE CHIP GROWTH FUND	EQUITY	ASML HOLDING NV NY REG SHS	347,640.00	2,000	0.09		
MML BLUE CHIP GROWTH FUND	EQUITY	NORWEGIAN CRUISE LINE HOLDIN	244,950.00	4,600	0.06		
MML BLUE CHIP GROWTH FUND	EQUITY	ZOETIS INC	345,792.00	4,800	0.09		
MML BLUE CHIP GROWTH FUND	EQUITY	TENCENT HOLDINGS LTD	9,087,977.97	175,800	2.40		
MML BLUE CHIP GROWTH FUND	EQUITY	ALIBABA GROUP HOLDING SP ADR	14,129,948.78	81,946	3.74		
MML BLUE CHIP GROWTH FUND	EQUITY	ANTHEM INC	2,092,593.00	9,300	0.55		
MML BLUE CHIP GROWTH FUND	EQUITY	EQUINIX INC	1,137,128.98	2,509	0.30		
MML BLUE CHIP GROWTH FUND	EQUITY	ALLERGAN PLC	25,191.32	154	0.01		
MML BLUE CHIP GROWTH FUND	EQUITY	MONSTER BEVERAGE CORP	196,199.00	3,100	0.05		
MML BLUE CHIP GROWTH FUND	EQUITY	PAYPAL HOLDINGS INC	5,066,233.92	68,816	1.34		
MML BLUE CHIP GROWTH FUND	EQUITY	ALPHABET INC CL C	16,513,238.40	15,781	4.37		
MML BLUE CHIP GROWTH FUND	EQUITY	ALPHABET INC CL A	7,168,387.00	6,805	1.90		
MML BLUE CHIP GROWTH FUND	EQUITY	FERRARI NV	1,027,432.00	9,800	0.27		
MML BLUE CHIP GROWTH FUND	EQUITY	WILLIS TOWERS WATSON PLC	2,801,779.17	18,593	0.74		
MML BLUE CHIP GROWTH FUND	EQUITY	CHUBB LTD	292,260.00	2,000	0.08		
MML BLUE CHIP GROWTH FUND	EQUITY	BROADCOM LTD	3,725,050.00	14,500	0.99		
MML BLUE CHIP GROWTH FUND	EQUITY	S+P GLOBAL INC	1,118,040.00	6,600	0.30		
MML BLUE CHIP GROWTH FUND	EQUITY	IHS MARKIT LTD	51,832.20	1,148	0.01		
MML BLUE CHIP GROWTH FUND	CASH EQUIVALENT	ROWE T PRICE GOV RES FD	1,027.37	1,027	0.00	0.01	9/19/2034
MML BLUE CHIP GROWTH FUND	EQUITY	RED HAT INC	2,756,054.80	22,948	0.73		

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML BLUE CHIP GROWTH FUND	CASH	SOUTH KOREAN WON	0.09	96	0.00	0	
MML BLUE CHIP GROWTH FUND	EQUITY	SHIRE PLC ADR	49,483.28	319	0.01		
MML BLUE CHIP GROWTH FUND	EQUITY	INTUIT INC	3,877,759.06	24,577	1.03		
MML BLUE CHIP GROWTH FUND	EQUITY	HILTON WORLDWIDE HOLDINGS IN	1,283,829.36	16,076	0.34		
MML BLUE CHIP GROWTH FUND	EQUITY	SBA COMMUNICATIONS CORP	228,704.00	1,400	0.06		
MML BLUE CHIP GROWTH FUND	EQUITY	DOWDUPONT INC	297,984.48	4,184	0.08		
MML BLUE CHIP GROWTH FUND	EQUITY	TAPESTRY INC	92,883.00	2,100	0.02		
MML BLUE CHIP GROWTH FUND	EQUITY	APTIV PLC	619,259.00	7,300	0.16		
MML BLUE CHIP GROWTH FUND	CASH EQUIVALENT	FIXED INC CLEARING CORP.REPO	1,084,037.22	1,084,037	0.29	0.54	1/2/2018
MML BLUE CHIP GROWTH FUND	EQUITY	WORLDPAY INC CLASS A	853,180.00	11,600	0.23		
MML BLUE CHIP GROWTH FUND	EQUITY	FORTIVE CORP	2,400,573.00	33,180	0.63		
MML BLUE CHIP GROWTH FUND	EQUITY	CELGENE CORP	846,672.68	8,113	0.22		
MML BLUE CHIP GROWTH FUND	EQUITY	APPLE INC	8,320,531.41	49,167	2.20		
MML BLUE CHIP GROWTH FUND	EQUITY	FACEBOOK INC A	20,020,975.14	113,459	5.30		
MML BLUE CHIP GROWTH FUND	EQUITY	INTERCONTINENTAL EXCHANGE IN	3,965,048.64	56,194	1.05		
MML BLUE CHIP GROWTH FUND	EQUITY	AMERICAN AIRLINES GROUP INC	6,217,585.00	119,500	1.64		
MML BLUE CHIP GROWTH FUND	EQUITY	STRYKER CORP	5,667,298.84	36,601	1.50		
MML BLUE CHIP GROWTH FUND	EQUITY	ROYAL CARIBBEAN CRUISES LTD	2,027,760.00	17,000	0.54		
MML BLUE CHIP GROWTH FUND	EQUITY	SEMPRA ENERGY	310,068.00	2,900	0.08		
MML BLUE CHIP GROWTH FUND	EQUITY	PROGRESSIVE CORP	647,680.00	11,500	0.17		
MML BLUE CHIP GROWTH FUND	EQUITY	AMAZON.COM INC	33,497,129.21	28,643	8.86		
MML BLUE CHIP GROWTH FUND	EQUITY	CINTAS CORP	592,154.00	3,800	0.16		
MML BLUE CHIP GROWTH FUND	EQUITY	ROPER TECHNOLOGIES INC	2,253,300.00	8,700	0.60		
MML BLUE CHIP GROWTH FUND	EQUITY	ALASKA AIR GROUP INC	1,918,611.00	26,100	0.51		
MML BLUE CHIP GROWTH FUND	EQUITY	CSX CORP	379,569.00	6,900	0.10		
MML BLUE CHIP GROWTH FUND	EQUITY	HUMANA INC	2,331,858.00	9,400	0.62		
MML BLUE CHIP GROWTH FUND	EQUITY	LAM RESEARCH CORP	202,477.00	1,100	0.05		
MML BLUE CHIP GROWTH FUND	EQUITY	NORTHROP GRUMMAN CORP	920,730.00	3,000	0.24		
MML BLUE CHIP GROWTH FUND	EQUITY	THERMO FISHER SCIENTIFIC INC	3,943,997.48	20,771	1.04		
MML BLUE CHIP GROWTH FUND	EQUITY	UNION PACIFIC CORP	53,640.00	400	0.01		
MML BLUE CHIP GROWTH FUND	EQUITY	REGENERON PHARMACEUTICALS	75,192.00	200	0.02		
MML BLUE CHIP GROWTH FUND	EQUITY	ALEXION PHARMACEUTICALS INC	3,770,313.93	31,527	1.00		
MML BLUE CHIP GROWTH FUND	EQUITY	COSTAR GROUP INC	178,170.00	600	0.05		
MML BLUE CHIP GROWTH FUND	EQUITY	INCYTE CORP	274,659.00	2,900	0.07		
MML BLUE CHIP GROWTH FUND	EQUITY	VERTEX PHARMACEUTICALS INC	5,874,512.00	39,200	1.55		
MML BLUE CHIP GROWTH FUND	EQUITY	BALL CORP	64,950.60	1,716	0.02		
MML BLUE CHIP GROWTH FUND	EQUITY	SYMANTEC CORP	594,872.00	21,200	0.16		
MML BLUE CHIP GROWTH FUND	EQUITY	BECTON DICKINSON AND CO	5,864,173.70	27,395	1.55		
MML BLUE CHIP GROWTH FUND	EQUITY	HONEYWELL INTERNATIONAL INC	3,036,528.00	19,800	0.80		
MML BLUE CHIP GROWTH FUND	EQUITY	HOME DEPOT INC	3,805,004.28	20,076	1.01		
MML BLUE CHIP GROWTH FUND	EQUITY	MICROSOFT CORP	17,155,731.32	200,558	4.54		
MML BLUE CHIP GROWTH FUND	EQUITY	MORGAN STANLEY	8,635,407.66	164,578	2.28		
MML BLUE CHIP GROWTH FUND	EQUITY	HARRIS CORP	835,735.00	5,900	0.22		
MML BLUE CHIP GROWTH FUND	EQUITY	LOWE S COS INC	83,646.00	900	0.02		
MML BLUE CHIP GROWTH FUND	EQUITY	MARSH + MCLENNAN COS	642,981.00	7,900	0.17		
MML BLUE CHIP GROWTH FUND	EQUITY	TEXAS INSTRUMENTS INC	1,044,400.00	10,000	0.28		
MML BLUE CHIP GROWTH FUND	EQUITY	TEXTRON INC	39,613.00	700	0.01		
MML BLUE CHIP GROWTH FUND	EQUITY	COSTCO WHOLESALE CORP	55,836.00	300	0.01		
MML BLUE CHIP GROWTH FUND	EQUITY	MCDONALD S CORP	1,962,168.00	11,400	0.52		
MML BLUE CHIP GROWTH FUND	EQUITY	STATE STREET CORP	3,182,086.00	32,600	0.84		
MML BLUE CHIP GROWTH FUND	EQUITY	AMERICAN EXPRESS CO	39,724.00	400	0.01		
MML BLUE CHIP GROWTH FUND	EQUITY	MARRIOTT INTERNATIONAL CL A	4,328,022.51	31,887	1.14		

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML BLUE CHIP GROWTH FUND	EQUITY	ANALOG DEVICES INC	17,806.00	200		0.00	
MML BLUE CHIP GROWTH FUND	EQUITY	SHERWIN WILLIAMS CO/THE	2,009,196.00	4,900		0.53	
MML BLUE CHIP GROWTH FUND	EQUITY	CIGNA CORP	4,323,176.83	21,287		1.14	
MML BLUE CHIP GROWTH FUND	EQUITY	ROSS STORES INC	3,041,475.00	37,900		0.80	
MML BLUE CHIP GROWTH FUND	EQUITY	BOEING CO/THE	10,928,774.78	37,058		2.89	
MML BLUE CHIP GROWTH FUND	EQUITY	FEDEX CORP	99,816.00	400		0.03	
MML BLUE CHIP GROWTH FUND	EQUITY	FISERV INC	3,231,043.20	24,640		0.85	
MML BLUE CHIP GROWTH FUND	EQUITY	TJX COMPANIES INC	76,460.00	1,000		0.02	
MML BLUE CHIP GROWTH FUND	EQUITY	XILINX INC	133,221.92	1,976		0.04	
MML BLUE CHIP GROWTH FUND	EQUITY	ELECTRONIC ARTS INC	1,912,092.00	18,200		0.51	
MML FOREIGN FUND	EQUITY	SINGAPORE TELECOMMUNICATIONS	1,662,397.41	621,100		0.42	
MML FOREIGN FUND	EQUITY	SINOPHARM GROUP CO H	2,449,916.32	568,800		0.62	
MML FOREIGN FUND	EQUITY	TAHOE RESOURCES INC	483,580.10	100,806		0.12	
MML FOREIGN FUND	EQUITY	AIA GROUP LTD	4,137,940.00	485,200		1.05	
MML FOREIGN FUND	EQUITY	ROLLS ROYCE HOLDINGS PLC	2,134,719.05	187,570		0.54	
MML FOREIGN FUND	EQUITY	SWISS RE AG	1,904,804.68	20,349		0.48	
MML FOREIGN FUND	EQUITY	SUNTORY BEVERAGE + FOOD LTD	5,741,104.62	129,100		1.45	
MML FOREIGN FUND	EQUITY	VODAFONE GROUP PLC SP ADR	7,559,757.70	236,983		1.91	
MML FOREIGN FUND	EQUITY	NN GROUP NV	2,749,571.23	63,590		0.69	
MML FOREIGN FUND	EQUITY	UBS GROUP AG REG	5,626,366.24	306,210		1.42	
MML FOREIGN FUND	EQUITY	CK HUTCHISON HOLDINGS LTD	5,345,333.75	425,754		1.35	
MML FOREIGN FUND	EQUITY	LIVANOVA PLC	3,766,629.60	47,130		0.95	
MML FOREIGN FUND	EQUITY	JOHNSON MATTHEY PLC	3,988,652.97	96,470		1.01	
MML FOREIGN FUND	EQUITY	ING GROEP NV	5,207,776.03	283,019		1.32	
MML FOREIGN FUND	EQUITY	INNOGY SE	4,177,626.21	107,200		1.06	
MML FOREIGN FUND	EQUITY	QIAGEN N.V.	2,546,864.22	81,562		0.64	
MML FOREIGN FUND	EQUITY	BANK OF IRELAND GROUP PLC	610,785.88	71,800		0.15	
MML FOREIGN FUND	EQUITY	WHEATON PRECIOUS METALS CORP	2,126,808.27	96,200		0.54	
MML FOREIGN FUND	EQUITY	LANDIS GYR GROUP AG	1,334,373.24	16,800		0.34	
MML FOREIGN FUND	EQUITY	CK ASSET HOLDINGS LTD	3,953,110.08	452,254		1.00	
MML FOREIGN FUND	CASH EQUIVALENT	FIXED INC CLEARING CORP.REPO	13,002,320.31	13,002,320		3.29	0.54
MML FOREIGN FUND	EQUITY	ARJO AB B SHARES	417,921.77	146,444		0.11	
MML FOREIGN FUND	EQUITY	SINGAPORE TELECOMMUNICATIONS	3,918,298.30	1,468,000		0.99	
MML FOREIGN FUND	EQUITY	SBM OFFSHORE NV	3,363,225.87	191,128		0.85	
MML FOREIGN FUND	EQUITY	SHIRE PLC	4,117,621.66	79,386		1.04	
MML FOREIGN FUND	EQUITY	ALAMOS GOLD INC CLASS A	1,993,427.10	306,210		0.50	
MML FOREIGN FUND	EQUITY	KUNLUN ENERGY CO LTD	1,771,636.15	1,700,000		0.45	
MML FOREIGN FUND	EQUITY	MORPHOSYS AG	1,862,859.23	20,350		0.47	
MML FOREIGN FUND	EQUITY	TRAVIS PERKINS PLC	3,153,950.85	149,165		0.80	
MML FOREIGN FUND	EQUITY	VEOLIA ENVIRONNEMENT	4,391,495.07	172,122		1.11	
MML FOREIGN FUND	EQUITY	NETEASE INC ADR	2,519,011.00	7,300		0.64	
MML FOREIGN FUND	CASH	SOUTH KOREAN WON	0.19	208		0.00	0
MML FOREIGN FUND	EQUITY	RYOHIN KEIKAKU CO LTD	4,701,465.05	15,100		1.19	
MML FOREIGN FUND	CASH	CANADIAN DOLLAR	0.01	0		0.00	0
MML FOREIGN FUND	CASH	HONG KONG DOLLAR	0.98	8		0.00	0
MML FOREIGN FUND	CASH	NORWEGIAN KRONE	-	0		0.00	0
MML FOREIGN FUND	CASH	SWEDISH KRONA	15.48	127		0.00	0
MML FOREIGN FUND	EQUITY	BAE SYSTEMS PLC	5,034,676.38	654,597		1.27	
MML FOREIGN FUND	EQUITY	BP PLC	10,877,034.83	1,542,293		2.75	
MML FOREIGN FUND	EQUITY	CRH PLC	5,072,944.75	141,012		1.28	
MML FOREIGN FUND	EQUITY	MICHELIN (CGDE)	3,929,621.45	27,433		0.99	
MML FOREIGN FUND	EQUITY	MERCK KGAA	5,481,395.03	50,900		1.38	

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML FOREIGN FUND	EQUITY	BAYER AG REG	6,941,370.67	55,810		1.75	
MML FOREIGN FUND	EQUITY	HEIDELBERGCEMENT AG	4,981,976.84	46,022		1.26	
MML FOREIGN FUND	EQUITY	AKZO NOBEL	2,814,942.98	32,182		0.71	
MML FOREIGN FUND	EQUITY	SANOFI	6,574,696.02	76,358		1.66	
MML FOREIGN FUND	EQUITY	SIEMENS AG REG	5,964,126.69	42,985		1.51	
MML FOREIGN FUND	EQUITY	DBS GROUP HOLDINGS LTD	4,782,235.03	258,279		1.21	
MML FOREIGN FUND	EQUITY	IHI CORP	2,952,641.35	88,700		0.75	
MML FOREIGN FUND	EQUITY	PANASONIC CORP	5,564,904.57	380,000		1.41	
MML FOREIGN FUND	EQUITY	mitsui fudosan co ltd	3,885,029.67	173,300		0.98	
MML FOREIGN FUND	EQUITY	OMRON CORP	5,711,991.28	95,900		1.44	
MML FOREIGN FUND	EQUITY	SOFTBANK GROUP CORP	6,612,562.46	83,700		1.67	
MML FOREIGN FUND	EQUITY	SUMITOMO METAL MINING CO LTD	5,431,946.93	118,400		1.37	
MML FOREIGN FUND	EQUITY	UNITED OVERSEAS BANK LTD	3,320,110.46	168,300		0.84	
MML FOREIGN FUND	EQUITY	ASTELLAS PHARMA INC	1,906,435.59	150,100		0.48	
MML FOREIGN FUND	EQUITY	INFINEON TECHNOLOGIES AG	6,603,153.37	241,765		1.67	
MML FOREIGN FUND	EQUITY	HSBC HOLDINGS PLC	7,171,273.53	702,000		1.81	
MML FOREIGN FUND	EQUITY	CHINA MOBILE LTD	4,387,992.83	433,500		1.11	
MML FOREIGN FUND	EQUITY	BANGKOK BANK PCL FOREIGN REG	5,321,145.27	792,100		1.34	
MML FOREIGN FUND	EQUITY	HYUNDAI MOBIS CO LTD	4,472,733.99	18,195		1.13	
MML FOREIGN FUND	EQUITY	SAMSUNG ELECTRONICS CO LTD	12,765,305.85	5,373		3.23	
MML FOREIGN FUND	EQUITY	TAIWAN SEMICONDUCTOR MANUFAC	4,927,598.30	641,275		1.24	
MML FOREIGN FUND	CASH	EURO CURRENCY	(51.97)	(43)		0.00	0
MML FOREIGN FUND	EQUITY	SAP SE SPONSORED ADR	2,042,480.08	18,178		0.52	
MML FOREIGN FUND	EQUITY	TEVA PHARMACEUTICAL SP ADR	3,855,718.60	203,468		0.97	
MML FOREIGN FUND	EQUITY	SUMITOMO RUBBER INDUSTRIES	2,261,131.74	121,700		0.57	
MML FOREIGN FUND	EQUITY	TELENOR ASA	6,171,810.94	288,124		1.56	
MML FOREIGN FUND	EQUITY	GLAXOSMITHKLINE PLC	3,513,673.02	198,649		0.89	
MML FOREIGN FUND	EQUITY	STANDARD CHARTERED PLC	6,816,984.53	647,794		1.72	
MML FOREIGN FUND	EQUITY	ROCHE HOLDING AG GENUSSCHEIN	8,041,065.13	31,790		2.03	
MML FOREIGN FUND	EQUITY	NOVARTIS AG REG	4,605,834.47	54,480		1.16	
MML FOREIGN FUND	EQUITY	AXA SA	6,424,043.70	216,747		1.62	
MML FOREIGN FUND	EQUITY	ENI SPA	5,799,536.41	350,704		1.47	
MML FOREIGN FUND	EQUITY	CREDIT AGRICOLE SA	1,851,150.34	112,057		0.47	
MML FOREIGN FUND	EQUITY	BNP PARIBAS	7,301,677.46	97,912		1.84	
MML FOREIGN FUND	EQUITY	BARCLAYS PLC	5,440,528.88	1,995,343		1.37	
MML FOREIGN FUND	EQUITY	COMPAGNIE DE SAINT GOBAIN	4,248,648.03	77,198		1.07	
MML FOREIGN FUND	EQUITY	CHINA TELECOM CORP LTD H	5,251,711.91	11,037,643		1.33	
MML FOREIGN FUND	EQUITY	KINGFISHER PLC	4,056,565.93	889,844		1.02	
MML FOREIGN FUND	EQUITY	GETINGE AB B SHS	2,115,931.58	146,444		0.53	
MML FOREIGN FUND	EQUITY	CHINA LIFE INSURANCE CO H	3,905,293.00	1,251,000		0.99	
MML FOREIGN FUND	EQUITY	YARA INTERNATIONAL ASA	2,975,579.42	65,009		0.75	
MML FOREIGN FUND	EQUITY	SES	3,833,652.70	246,017		0.97	
MML FOREIGN FUND	EQUITY	LANXESS AG	5,915,710.63	74,400		1.49	
MML FOREIGN FUND	EQUITY	COBHAM PLC	2,885,787.73	1,698,528		0.73	
MML FOREIGN FUND	EQUITY	ROYAL DUTCH SHELL PLC B SHS	10,896,563.34	323,082		2.75	
MML FOREIGN FUND	EQUITY	ROYAL DUTCH SHELL PLC A SHS	80,243.82	2,397		0.02	
MML FOREIGN FUND	EQUITY	BAIDU INC SPON ADR	4,700,594.70	20,070		1.19	
MML FOREIGN FUND	EQUITY	HANA FINANCIAL GROUP	3,692,284.57	79,353		0.93	
MML FOREIGN FUND	EQUITY	INPEX CORP	3,805,422.47	304,100		0.96	
MML FOREIGN FUND	EQUITY	TOTAL SA	4,047,769.95	73,362		1.02	
MML FOREIGN FUND	EQUITY	GALP ENERGIA SGPS SA	4,451,685.87	242,320		1.12	
MML FOREIGN FUND	EQUITY	HUSKY ENERGY INC	3,862,072.39	273,500		0.98	

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML FOREIGN FUND	EQUITY	KB FINANCIAL GROUP INC ADR	4,734,395.16	80,916		1.20	
MML GLOBAL FUND	EQUITY	SKY PLC	1,364,817.05	100,089		0.57	
MML GLOBAL FUND	EQUITY	EBAY INC	2,027,317.32	53,718		0.85	
MML GLOBAL FUND	EQUITY	THERMO FISHER SCIENTIFIC INC	6,777,386.84	35,693		2.83	
MML GLOBAL FUND	EQUITY	STATE STREET CORP	4,548,723.61	46,601		1.90	
MML GLOBAL FUND	EQUITY	SALLY BEAUTY HOLDINGS INC	868,156.52	46,277		0.36	
MML GLOBAL FUND	EQUITY	WHITBREAD PLC	1,369,749.52	25,363		0.57	
MML GLOBAL FUND	EQUITY	DANONE	4,474,577.98	53,372		1.87	
MML GLOBAL FUND	EQUITY	AIR LIQUIDE SA	2,032,084.57	16,157		0.85	
MML GLOBAL FUND	EQUITY	BANK OF NEW YORK MELLON CORP	4,036,376.12	74,942		1.68	
MML GLOBAL FUND	EQUITY	RECKITT BENCKISER GROUP PLC	5,312,455.03	56,873		2.22	
MML GLOBAL FUND	EQUITY	VISA INC CLASS A SHARES	5,800,311.42	50,871		2.42	
MML GLOBAL FUND	EQUITY	TIME WARNER INC	2,861,456.01	31,283		1.19	
MML GLOBAL FUND	EQUITY	ACCENTURE PLC CL A	5,871,766.95	38,355		2.45	
MML GLOBAL FUND	EQUITY	JULIUS BAER GROUP LTD	1,431,890.12	23,421		0.60	
MML GLOBAL FUND	EQUITY	SANDS CHINA LTD	489,982.47	95,200		0.20	
MML GLOBAL FUND	EQUITY	BRENTAG AG	1,118,810.54	17,736		0.47	
MML GLOBAL FUND	EQUITY	SWISS RE AG	595,432.83	6,361		0.25	
MML GLOBAL FUND	EQUITY	WPP PLC	3,910,765.40	215,795		1.63	
MML GLOBAL FUND	EQUITY	COTY INC CL A	3,896,092.98	195,882		1.63	
MML GLOBAL FUND	EQUITY	CIE FINANCIERE RICHEMONT REG	2,468,561.82	27,264		1.03	
MML GLOBAL FUND	EQUITY	AMBEV SA	1,312,032.87	202,431		0.55	
MML GLOBAL FUND	EQUITY	NOW INC	115,274.53	10,451		0.05	
MML GLOBAL FUND	EQUITY	UBS GROUP AG REG	3,388,534.69	184,418		1.41	
MML GLOBAL FUND	EQUITY	MEDTRONIC PLC	5,609,460.25	69,467		2.34	
MML GLOBAL FUND	EQUITY	AENA SME SA	2,523,854.29	12,467		1.05	
MML GLOBAL FUND	EQUITY	PAYPAL HOLDINGS INC	1,255,809.96	17,058		0.52	
MML GLOBAL FUND	EQUITY	COMPASS GROUP PLC	2,523,896.40	116,723		1.05	
MML GLOBAL FUND	EQUITY	ESSITY AKTIEBOLAG B	4,544,684.69	160,482		1.90	
MML GLOBAL FUND	EQUITY	LINDE AG TENDER	3,582,039.13	15,312		1.49	
MML GLOBAL FUND	EQUITY	DELPHI TECHNOLOGIES PLC	265,078.44	5,052		0.11	
MML GLOBAL FUND	EQUITY	APTIV PLC	1,285,683.48	15,156		0.54	
MML GLOBAL FUND	CASH EQUIVALENT	FIXED INC CLEARING CORP.REPO	1,418,260.32	1,418,260		0.59	1/2/2018
MML GLOBAL FUND	CASH EQUIVALENT	EURO TIME DEPOSIT (USD)	16,796.21	16,796		0.01	0.000003 1/2/2018
MML GLOBAL FUND	EQUITY	LVMH MOET HENNESSY LOUIS VUI	4,905,623.31	16,700		2.05	
MML GLOBAL FUND	EQUITY	ERSTE GROUP BANK AG	1,029,308.77	23,868		0.43	
MML GLOBAL FUND	CASH	BRAZILIAN REAL	16,247.30	53,894		0.01	0
MML GLOBAL FUND	CASH	SOUTH KOREAN WON	0.03	34		0.00	0
MML GLOBAL FUND	EQUITY	HERMES INTERNATIONAL	473,199.01	884		0.20	
MML GLOBAL FUND	EQUITY	STRYKER CORP	4,794,930.28	30,967		2.00	
MML GLOBAL FUND	EQUITY	UNION PACIFIC CORP	522,587.70	3,897		0.22	
MML GLOBAL FUND	EQUITY	COGNIZANT TECH SOLUTIONS A	1,980,392.70	27,885		0.83	
MML GLOBAL FUND	EQUITY	COOPER COS INC/THE	1,851,326.36	8,497		0.77	
MML GLOBAL FUND	EQUITY	URBAN OUTFITTERS INC	910,332.90	25,965		0.38	
MML GLOBAL FUND	EQUITY	DIAGEO PLC	5,166,514.79	141,168		2.16	
MML GLOBAL FUND	EQUITY	CARLSBERG AS B	1,771,492.03	14,790		0.74	
MML GLOBAL FUND	EQUITY	AMPHENOL CORP CL A	1,400,410.00	15,950		0.58	
MML GLOBAL FUND	EQUITY	PERNOD RICARD SA	4,895,455.46	30,927		2.04	
MML GLOBAL FUND	EQUITY	MERCK KGAA	1,731,647.00	16,080		0.72	
MML GLOBAL FUND	EQUITY	SCHNEIDER ELECTRIC SE	3,290,163.70	38,794		1.37	
MML GLOBAL FUND	EQUITY	BAYER AG REG	6,354,196.14	51,089		2.65	
MML GLOBAL FUND	EQUITY	AKZO NOBEL	3,256,051.60	37,225		1.36	

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML GLOBAL FUND	EQUITY	HOYA CORP	1,274,181.42	25,500	0.53		
MML GLOBAL FUND	EQUITY	KUBOTA CORP	1,991,459.87	101,700	0.83		
MML GLOBAL FUND	EQUITY	SAMSUNG ELECTRONICS CO LTD	2,373,448.83	999	0.99		
MML GLOBAL FUND	EQUITY	KASIKORNBANK PCL FOREIGN	613,923.96	84,000	0.26		
MML GLOBAL FUND	EQUITY	FRANKLIN RESOURCES INC	2,013,588.43	46,471	0.84		
MML GLOBAL FUND	EQUITY	HONEYWELL INTERNATIONAL INC	6,226,722.72	40,602	2.60		
MML GLOBAL FUND	EQUITY	CISCO SYSTEMS INC	1,773,558.10	46,307	0.74		
MML GLOBAL FUND	EQUITY	WALT DISNEY CO/THE	4,551,865.89	42,339	1.90		
MML GLOBAL FUND	EQUITY	OMNICOM GROUP	1,252,020.53	17,191	0.52		
MML GLOBAL FUND	EQUITY	ORACLE CORP	3,514,984.32	74,344	1.47		
MML GLOBAL FUND	EQUITY	PRAXAIR INC	1,221,817.32	7,899	0.51		
MML GLOBAL FUND	EQUITY	WATERS CORP	2,121,612.58	10,982	0.89		
MML GLOBAL FUND	EQUITY	WW GRAINGER INC	1,026,506.25	4,345	0.43		
MML GLOBAL FUND	CASH	US DOLLAR	(16,796.21)	(16,796)	0.01		0
MML GLOBAL FUND	EQUITY	ABBOTT LABORATORIES	2,982,078.71	52,253	1.24		
MML GLOBAL FUND	EQUITY	JOHNSON + JOHNSON	997,740.52	7,141	0.42		
MML GLOBAL FUND	EQUITY	UNITED TECHNOLOGIES CORP	2,544,766.36	19,948	1.06		
MML GLOBAL FUND	EQUITY	AMERICAN EXPRESS CO	3,621,438.46	36,466	1.51		
MML GLOBAL FUND	EQUITY	MARRIOTT INTERNATIONAL CL A	749,908.25	5,525	0.31		
MML GLOBAL FUND	EQUITY	HARLEY DAVIDSON INC	1,043,396.16	20,507	0.44		
MML GLOBAL FUND	EQUITY	UNITED PARCEL SERVICE CL B	3,908,358.30	32,802	1.63		
MML GLOBAL FUND	EQUITY	GRUPO FINANCIERO BANORTE O	675,338.53	123,032	0.28		
MML GLOBAL FUND	CASH	EURO CURRENCY	79.69	66	0.00		0
MML GLOBAL FUND	EQUITY	COLGATE PALMOLIVE CO	2,700,280.05	35,789	1.13		
MML GLOBAL FUND	EQUITY	GOLDMAN SACHS GROUP INC	2,519,066.88	9,888	1.05		
MML GLOBAL FUND	EQUITY	SCHLUMBERGER LTD	1,754,566.04	26,036	0.73		
MML GLOBAL FUND	EQUITY	CHECK POINT SOFTWARE TECH	2,011,885.92	19,416	0.84		
MML GLOBAL FUND	EQUITY	AUTOZONE INC	1,362,273.55	1,915	0.57		
MML GLOBAL FUND	EQUITY	MICROCHIP TECHNOLOGY INC	1,047,617.48	11,921	0.44		
MML GLOBAL FUND	EQUITY	NATIONAL OILWELL VARCO INC	643,857.50	17,875	0.27		
MML GLOBAL FUND	EQUITY	KANSAS CITY SOUTHERN	2,630,184.34	24,997	1.10		
MML GLOBAL FUND	EQUITY	MONSANTO CO	2,413,842.60	20,670	1.01		
MML GLOBAL FUND	EQUITY	DEUTSCHE BOERSE AG	1,510,131.28	13,028	0.63		
MML GLOBAL FUND	EQUITY	ROCHE HOLDING AG GENUSSCHEIN	3,755,195.13	14,846	1.57		
MML GLOBAL FUND	EQUITY	ADECCO GROUP AG REG	1,666,013.37	21,798	0.70		
MML GLOBAL FUND	EQUITY	NESTLE SA REG	5,897,350.15	68,628	2.46		
MML GLOBAL FUND	EQUITY	ZIMMER BIOMET HOLDINGS INC	4,543,466.84	37,652	1.90		
MML GLOBAL FUND	EQUITY	SONOVA HOLDING AG REG	770,975.68	4,938	0.32		
MML GLOBAL FUND	EQUITY	3M CO	4,370,350.16	18,568	1.82		
MML GLOBAL FUND	EQUITY	BURBERRY GROUP PLC	1,482,588.74	61,325	0.62		
MML GLOBAL FUND	EQUITY	WYNN RESORTS LTD	644,182.39	3,821	0.27		
MML GLOBAL FUND	EQUITY	COMCAST CORP CLASS A	5,318,079.30	132,786	2.22		
MML GLOBAL FUND	EQUITY	HEINEKEN NV	2,356,009.49	22,603	0.98		
MML GLOBAL FUND	EQUITY	MTU AERO ENGINES AG	1,795,896.17	10,041	0.75		
MML GLOBAL FUND	EQUITY	LEGRAND SA	2,091,651.78	27,206	0.87		
MML GLOBAL FUND	EQUITY	CANADIAN NATL RAILWAY CO	4,142,820.00	50,216	1.73		
MML GLOBAL FUND	EQUITY	KELLOGG CO	2,337,628.26	34,387	0.98		
MML MID CAP GROWTH FUND	EQUITY	DROPBOX INC SER A CONV PFD STK	147,931.80	11,190	0.03		
MML MID CAP GROWTH FUND	EQUITY	DROPBOX INC	119,125.42	9,011	0.03		
MML MID CAP GROWTH FUND	EQUITY	WEWORK COMPANIES, INC CLASS A	401,829.40	8,764	0.08		
MML MID CAP GROWTH FUND	EQUITY	WASTE CONNECTIONS INC	5,107,680.00	72,000	1.08		
MML MID CAP GROWTH FUND	EQUITY	VENTURE GLOBAL LNG INC SR C PP	478,917.00	127	0.10		

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML MID CAP GROWTH FUND	EQUITY	ROOFOODS LTD (DELIVEROO) PP	677,087.64	1,915	0.14		
MML MID CAP GROWTH FUND	EQUITY	MAXAR TECHNOLOGIES LTD	822,845.76	12,793	0.17		
MML MID CAP GROWTH FUND	EQUITY	DROPBOX INC SR A 1 CONV PFD S	726,637.30	54,965	0.15		
MML MID CAP GROWTH FUND	EQUITY	CENTENNIAL RESOURCE DEVELOPMEN	716,839.20	36,204	0.15		
MML MID CAP GROWTH FUND	EQUITY	SPROUTS FARMERS MARKET INC	2,313,250.00	95,000	0.49		
MML MID CAP GROWTH FUND	EQUITY	BURLINGTON STORES INC	2,952,720.00	24,000	0.62		
MML MID CAP GROWTH FUND	EQUITY	VEEVA SYSTEMS INC CLASS A	1,105,600.00	20,000	0.23		
MML MID CAP GROWTH FUND	EQUITY	ALLEGION PLC	3,818,880.00	48,000	0.81		
MML MID CAP GROWTH FUND	EQUITY	ARAMARK	3,290,980.00	77,000	0.69		
MML MID CAP GROWTH FUND	EQUITY	FNF GROUP	6,827,760.00	174,000	1.44		
MML MID CAP GROWTH FUND	EQUITY	SERVICEMASTER GLOBAL HOLDING	2,023,729.44	39,472	0.43		
MML MID CAP GROWTH FUND	EQUITY	MICHAELS COS INC/THE	1,911,010.00	79,000	0.40		
MML MID CAP GROWTH FUND	EQUITY	SAGE THERAPEUTICS INC	24,706.50	150	0.01		
MML MID CAP GROWTH FUND	EQUITY	CATALENT INC	3,902,600.00	95,000	0.82		
MML MID CAP GROWTH FUND	EQUITY	CDK GLOBAL INC	2,637,360.00	37,000	0.56		
MML MID CAP GROWTH FUND	EQUITY	ULTA BEAUTY INC	1,789,280.00	8,000	0.38		
MML MID CAP GROWTH FUND	EQUITY	COLFAX CORP	2,960,366.78	74,719	0.62		
MML MID CAP GROWTH FUND	EQUITY	IAC/INTERACTIVECORP	3,912,960.00	32,000	0.83		
MML MID CAP GROWTH FUND	EQUITY	MEDNAX INC	3,366,720.00	63,000	0.71		
MML MID CAP GROWTH FUND	EQUITY	VERISK ANALYTICS INC	4,704,000.00	49,000	0.99		
MML MID CAP GROWTH FUND	EQUITY	DOLLAR GENERAL CORP	8,091,870.00	87,000	1.71		
MML MID CAP GROWTH FUND	EQUITY	KAR AUCTION SERVICES INC	3,232,640.00	64,000	0.68		
MML MID CAP GROWTH FUND	EQUITY	SENSATA TECHNOLOGIES HOLDING	7,615,390.00	149,000	1.61		
MML MID CAP GROWTH FUND	EQUITY	SS+C TECHNOLOGIES HOLDINGS	2,550,240.00	63,000	0.54		
MML MID CAP GROWTH FUND	EQUITY	CORELOGIC INC	3,696,800.00	80,000	0.78		
MML MID CAP GROWTH FUND	EQUITY	CBOE GLOBAL MARKETS INC	5,980,320.00	48,000	1.26		
MML MID CAP GROWTH FUND	EQUITY	UNITED CONTINENTAL HOLDINGS	2,696,000.00	40,000	0.57		
MML MID CAP GROWTH FUND	EQUITY	FLEETCOR TECHNOLOGIES INC	3,078,880.00	16,000	0.65		
MML MID CAP GROWTH FUND	EQUITY	O REILLY AUTOMOTIVE INC	3,848,640.00	16,000	0.81		
MML MID CAP GROWTH FUND	EQUITY	ARC RESOURCES LTD	927,008.75	79,000	0.20		
MML MID CAP GROWTH FUND	EQUITY	PVH CORP	1,920,940.00	14,000	0.41		
MML MID CAP GROWTH FUND	EQUITY	DUNKIN BRANDS GROUP INC	2,707,740.00	42,000	0.57		
MML MID CAP GROWTH FUND	EQUITY	ALKERMES PLC	4,761,510.00	87,000	1.00		
MML MID CAP GROWTH FUND	EQUITY	XYLEM INC	4,092,000.00	60,000	0.86		
MML MID CAP GROWTH FUND	EQUITY	ACADIA HEALTHCARE CO INC	1,435,720.00	44,000	0.30		
MML MID CAP GROWTH FUND	EQUITY	TRIPADVISOR INC	1,240,560.00	36,000	0.26		
MML MID CAP GROWTH FUND	EQUITY	EXPEDIA INC	2,395,400.00	20,000	0.51		
MML MID CAP GROWTH FUND	EQUITY	GUIDEWIRE SOFTWARE INC	1,485,200.00	20,000	0.31		
MML MID CAP GROWTH FUND	EQUITY	SPLUNK INC	2,899,400.00	35,000	0.61		
MML MID CAP GROWTH FUND	EQUITY	TESARO INC	497,220.00	6,000	0.10		
MML MID CAP GROWTH FUND	EQUITY	SERVICENOW INC	1,043,120.00	8,000	0.22		
MML MID CAP GROWTH FUND	EQUITY	WORKDAY INC CLASS A	3,764,380.00	37,000	0.79		
MML MID CAP GROWTH FUND	EQUITY	NORWEGIAN CRUISE LINE HOLDIN	7,188,750.00	135,000	1.52		
MML MID CAP GROWTH FUND	EQUITY	ZOETIS INC	2,881,600.00	40,000	0.61		
MML MID CAP GROWTH FUND	EQUITY	L BRANDS INC	1,204,400.00	20,000	0.25		
MML MID CAP GROWTH FUND	EQUITY	TABLEAU SOFTWARE INC CL A	2,006,800.00	29,000	0.42		
MML MID CAP GROWTH FUND	EQUITY	HD SUPPLY HOLDINGS INC	3,802,850.00	95,000	0.80		
MML MID CAP GROWTH FUND	EQUITY	KEYSIGHT TECHNOLOGIES IN	6,572,800.00	158,000	1.39		
MML MID CAP GROWTH FUND	EQUITY	WEWORK INC SER D 1 CVT PRF STK	1,017,732.45	22,197	0.21		
MML MID CAP GROWTH FUND	EQUITY	WEWORK INC SER D 2 CVT	799,624.00	17,440	0.17		
MML MID CAP GROWTH FUND	EQUITY	ZILLOW GROUP INC A	325,920.00	8,000	0.07		
MML MID CAP GROWTH FUND	EQUITY	SHOPIFY INC CLASS A	909,000.00	9,000	0.19		

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML MID CAP GROWTH FUND	EQUITY	BWX TECHNOLOGIES INC	1,598,327.27	26,423	0.34		
MML MID CAP GROWTH FUND	EQUITY	TRANSUNION	3,627,360.00	66,000	0.77		
MML MID CAP GROWTH FUND	EQUITY	ZILLOW GROUP INC C	327,360.00	8,000	0.07		
MML MID CAP GROWTH FUND	EQUITY	MATCH GROUP INC	1,221,090.00	39,000	0.26		
MML MID CAP GROWTH FUND	EQUITY	CSRA INC	2,962,080.00	99,000	0.62		
MML MID CAP GROWTH FUND	EQUITY	ATLISSIAN CORP PLC CLASS A	2,640,160.00	58,000	0.56		
MML MID CAP GROWTH FUND	EQUITY	FERRARI NV	1,677,440.00	16,000	0.35		
MML MID CAP GROWTH FUND	EQUITY	WILLIS TOWERS WATSON PLC	7,233,120.00	48,000	1.53		
MML MID CAP GROWTH FUND	EQUITY	DENTSPLY SIRONA INC	2,830,690.00	43,000	0.60		
MML MID CAP GROWTH FUND	EQUITY	FORTIVE CORP	4,268,650.00	59,000	0.90		
MML MID CAP GROWTH FUND	EQUITY	IHS MARKIT LTD	3,205,650.00	71,000	0.68		
MML MID CAP GROWTH FUND	EQUITY	VALVOLINE INC	4,385,500.00	175,000	0.93		
MML MID CAP GROWTH FUND	EQUITY	ASHLAND GLOBAL HOLDINGS INC	1,780,000.00	25,000	0.38		
MML MID CAP GROWTH FUND	EQUITY	CENTENNIAL RESOURCE DEVELO A	728,560.80	36,796	0.15		
MML MID CAP GROWTH FUND	EQUITY	ENVISION HEALTHCARE CORP	3,836,160.00	111,000	0.81		
MML MID CAP GROWTH FUND	EQUITY	BIOVERATIV INC	1,078,400.00	20,000	0.23		
MML MID CAP GROWTH FUND	EQUITY	ARDAGH GROUP SA	189,900.00	9,000	0.04		
MML MID CAP GROWTH FUND	EQUITY	GARDNER DENVER HOLDINGS INC	1,832,220.00	54,000	0.39		
MML MID CAP GROWTH FUND	EQUITY	BLACK KNIGHT INC	3,134,650.00	71,000	0.66		
MML MID CAP GROWTH FUND	EQUITY	MAXAR TECHNOLOGIES LTD	2,060,015.91	32,000	0.43		
MML MID CAP GROWTH FUND	EQUITY	TAPESTRY INC	8,049,860.00	182,000	1.70		
MML MID CAP GROWTH FUND	EQUITY	IQVIA HOLDINGS INC	2,741,200.00	28,000	0.58		
MML MID CAP GROWTH FUND	CASH EQUIVALENT	FIXED INC CLEARING CORP.REPO	12,502,566.05	12,502,566	2.64	0.54	1/2/2018
MML MID CAP GROWTH FUND	CASH EQUIVALENT	EURO TIME DEPOSIT (USD)	15,350.09	15,350	0.00	0.000003	1/2/2018
MML MID CAP GROWTH FUND	EQUITY	WORLDPAY INC CLASS A	5,810,450.00	79,000	1.23		
MML MID CAP GROWTH FUND	EQUITY	MSCI INC	2,024,640.00	16,000	0.43		
MML MID CAP GROWTH FUND	EQUITY	FRANCO NEVADA CORP	2,558,400.00	32,000	0.54		
MML MID CAP GROWTH FUND	CASH EQUIVALENT	ROWE T PRICE TREAS RES FD	8,551,094.35	8,551,094	1.80	0.01	9/19/2034
MML MID CAP GROWTH FUND	EQUITY	RED HAT INC	5,644,700.00	47,000	1.19		
MML MID CAP GROWTH FUND	EQUITY	GARTNER INC	1,970,400.00	16,000	0.42		
MML MID CAP GROWTH FUND	EQUITY	NATIONAL INSTRUMENTS CORP	1,332,160.00	32,000	0.28		
MML MID CAP GROWTH FUND	EQUITY	ROYAL CARIBBEAN CRUISES LTD	1,908,480.00	16,000	0.40		
MML MID CAP GROWTH FUND	EQUITY	FIFTH THIRD BANCORP	2,396,860.00	79,000	0.51		
MML MID CAP GROWTH FUND	EQUITY	PROGRESSIVE CORP	6,702,080.00	119,000	1.41		
MML MID CAP GROWTH FUND	EQUITY	RPM INTERNATIONAL INC	3,354,880.00	64,000	0.71		
MML MID CAP GROWTH FUND	CASH	CANADIAN DOLLAR	2,671.04	3,358	0.00	0	
MML MID CAP GROWTH FUND	EQUITY	TELEFLEX INC	10,948,080.00	44,000	2.31		
MML MID CAP GROWTH FUND	EQUITY	CASEY S GENERAL STORES INC	2,798,500.00	25,000	0.59		
MML MID CAP GROWTH FUND	EQUITY	WEST PHARMACEUTICAL SERVICES	2,269,410.00	23,000	0.48		
MML MID CAP GROWTH FUND	EQUITY	ROPER TECHNOLOGIES INC	8,288,000.00	32,000	1.75		
MML MID CAP GROWTH FUND	EQUITY	COHERENT INC	1,975,540.00	7,000	0.42		
MML MID CAP GROWTH FUND	EQUITY	HOLOGIC INC	8,122,500.00	190,000	1.71		
MML MID CAP GROWTH FUND	EQUITY	HUNT (JB) TRANSPRT SVCS INC	1,264,780.00	11,000	0.27		
MML MID CAP GROWTH FUND	EQUITY	MICROSEMI CORP	1,446,200.00	28,000	0.31		
MML MID CAP GROWTH FUND	EQUITY	HENRY SCHEIN INC	2,795,200.00	40,000	0.59		
MML MID CAP GROWTH FUND	EQUITY	VAIL RESORTS INC	2,974,580.00	14,000	0.63		
MML MID CAP GROWTH FUND	EQUITY	COOPER COS INC/THE	6,972,160.00	32,000	1.47		
MML MID CAP GROWTH FUND	EQUITY	COSTAR GROUP INC	2,434,990.00	8,200	0.51		
MML MID CAP GROWTH FUND	EQUITY	IDEXX LABORATORIES INC	781,900.00	5,000	0.16		
MML MID CAP GROWTH FUND	EQUITY	INCYTE CORP	1,653,257.76	17,456	0.35		
MML MID CAP GROWTH FUND	EQUITY	VERTEX PHARMACEUTICALS INC	1,798,320.00	12,000	0.38		
MML MID CAP GROWTH FUND	EQUITY	BALL CORP	5,412,550.00	143,000	1.14		

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML MID CAP GROWTH FUND	EQUITY	SYMANTEC CORP	2,665,700.00	95,000	0.56		
MML MID CAP GROWTH FUND	EQUITY	WEBSTER FINANCIAL CORP	1,404,000.00	25,000	0.30		
MML MID CAP GROWTH FUND	EQUITY	CONAGRA BRANDS INC	2,071,850.00	55,000	0.44		
MML MID CAP GROWTH FUND	EQUITY	HARRIS CORP	6,799,200.00	48,000	1.43		
MML MID CAP GROWTH FUND	CASH	US DOLLAR	(15,851.40)	(15,851)	0.00		0
MML MID CAP GROWTH FUND	EQUITY	TEXTRON INC	10,638,920.00	188,000	2.24		
MML MID CAP GROWTH FUND	EQUITY	MARRIOTT INTERNATIONAL CL A	6,922,230.00	51,000	1.46		
MML MID CAP GROWTH FUND	EQUITY	AIR PRODUCTS + CHEMICALS INC	5,250,560.00	32,000	1.11		
MML MID CAP GROWTH FUND	EQUITY	CORNING INC	511,840.00	16,000	0.11		
MML MID CAP GROWTH FUND	EQUITY	EQUIFAX INC	2,830,080.00	24,000	0.60		
MML MID CAP GROWTH FUND	EQUITY	FISERV INC	8,261,190.00	63,000	1.74		
MML MID CAP GROWTH FUND	EQUITY	KLA TENCOR CORP	1,260,840.00	12,000	0.27		
MML MID CAP GROWTH FUND	EQUITY	XILINX INC	4,786,820.00	71,000	1.01		
MML MID CAP GROWTH FUND	EQUITY	VERISIGN INC	2,746,560.00	24,000	0.58		
MML MID CAP GROWTH FUND	EQUITY	ELECTRONIC ARTS INC	3,151,800.00	30,000	0.66		
MML MID CAP GROWTH FUND	EQUITY	MGM RESORTS INTERNATIONAL	3,806,460.00	114,000	0.80		
MML MID CAP GROWTH FUND	EQUITY	IDEX CORP	7,688,572.20	58,260	1.62		
MML MID CAP GROWTH FUND	EQUITY	MARTIN MARIETTA MATERIALS	2,652,480.00	12,000	0.56		
MML MID CAP GROWTH FUND	EQUITY	AGILENT TECHNOLOGIES INC	7,433,670.00	111,000	1.57		
MML MID CAP GROWTH FUND	EQUITY	MICROCHIP TECHNOLOGY INC	8,348,600.00	95,000	1.76		
MML MID CAP GROWTH FUND	EQUITY	MARVELL TECHNOLOGY GROUP LTD	3,649,900.00	170,000	0.77		
MML MID CAP GROWTH FUND	EQUITY	KANSAS CITY SOUTHERN	2,946,160.00	28,000	0.62		
MML MID CAP GROWTH FUND	EQUITY	ILLUMINA INC	2,621,880.00	12,000	0.55		
MML MID CAP GROWTH FUND	EQUITY	GLOBAL PAYMENTS INC	5,112,240.00	51,000	1.08		
MML MID CAP GROWTH FUND	EQUITY	SEATTLE GENETICS INC	1,070,000.00	20,000	0.23		
MML MID CAP GROWTH FUND	EQUITY	ROCKWELL COLLINS INC	1,084,960.00	8,000	0.23		
MML MID CAP GROWTH FUND	EQUITY	ACUITY BRANDS INC	2,112,000.00	12,000	0.45		
MML MID CAP GROWTH FUND	EQUITY	SLM CORP	1,706,300.00	151,000	0.36		
MML MID CAP GROWTH FUND	EQUITY	CARMAX INC	3,334,760.00	52,000	0.70		
MML MID CAP GROWTH FUND	EQUITY	INTUITIVE SURGICAL INC	1,094,820.00	3,000	0.23		
MML MID CAP GROWTH FUND	EQUITY	BRUKER CORP	5,302,440.00	154,500	1.12		
MML MID CAP GROWTH FUND	EQUITY	ALNYLAM PHARMACEUTICALS INC	3,557,400.00	28,000	0.75		
MML MID CAP GROWTH FUND	EQUITY	MARKETAXESS HOLDINGS INC	1,405,592.25	6,967	0.30		
MML MID CAP GROWTH FUND	EQUITY	DEXCOM INC	1,606,920.00	28,000	0.34		
MML MID CAP GROWTH FUND	EQUITY	TREEHOUSE FOODS INC	2,769,760.00	56,000	0.58		
MML MID CAP GROWTH FUND	EQUITY	TD AMERITRADE HOLDING CORP	6,698,030.00	131,000	1.41		
MML MID CAP GROWTH FUND	EQUITY	FIDELITY NATIONAL INFO SERV	2,634,520.00	28,000	0.56		
MML MID CAP GROWTH FUND	EQUITY	CONCHO RESOURCES INC	3,605,280.00	24,000	0.76		
MML MID CAP GROWTH FUND	EQUITY	ATHENAHEALTH INC	931,280.00	7,000	0.20		
MML MANAGED BOND FUND	FIXED INCOME	ONCOR ELECTRIC DELIVERY	748,785.68	495,000	0.05	7.5	9/1/2038
MML MANAGED BOND FUND	FIXED INCOME	FED HM LN PC POOL C91251	56,119.69	52,735	0.00	4.5	6/1/2029
MML MANAGED BOND FUND	FIXED INCOME	TIME WARNER CABLE LLC	1,181,878.56	985,000	0.09	6.75	6/15/2039
MML MANAGED BOND FUND	FIXED INCOME	CENTURYLINK INC	579,600.00	560,000	0.04	6.15	9/15/2019
MML MANAGED BOND FUND	FIXED INCOME	WILLIS NORTH AMERICA INC	607,013.98	566,000	0.04	7	9/29/2019
MML MANAGED BOND FUND	FIXED INCOME	ENTERPRISE PRODUCTS OPER	313,235.88	249,000	0.02	6.125	10/15/2039
MML MANAGED BOND FUND	FIXED INCOME	MAJAPAHIT HOLDING BV	1,334,436.00	1,220,000	0.10	7.75	1/20/2020
MML MANAGED BOND FUND	FIXED INCOME	INCITEC PIVOT FIN LLC	1,228,783.12	1,160,000	0.09	6	12/10/2019
MML MANAGED BOND FUND	FIXED INCOME	CVS PASS THROUGH TRUST	1,275,571.18	1,040,779	0.09	7.507	1/10/2032
MML MANAGED BOND FUND	FIXED INCOME	KINDER MORGAN ENER PART	584,565.70	500,000	0.04	6.55	9/15/2040
MML MANAGED BOND FUND	FIXED INCOME	FANNIE MAE	592,185.02	554,179	0.04	5.5	5/25/2040
MML MANAGED BOND FUND	FIXED INCOME	FNMA POOL AD6437	679,349.90	622,409	0.05	5	6/1/2040
MML MANAGED BOND FUND	FIXED INCOME	QEP RESOURCES INC	1,890,000.00	1,750,000	0.14	6.875	3/1/2021

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML MANAGED BOND FUND	FIXED INCOME	SVB FINANCIAL GROUP	507,667.43	475,000	0.04	5.375	9/15/2020
MML MANAGED BOND FUND	FIXED INCOME	ASCIANO FINANCE LTD	630,507.43	610,000	0.05	4.625	9/23/2020
MML MANAGED BOND FUND	FIXED INCOME	PETROLEOS MEXICANOS	1,262,590.00	1,190,000	0.09	5.5	1/21/2021
MML MANAGED BOND FUND	FIXED INCOME	SLC STUDENT LOAN TRUST	374,135.78	378,000	0.03	1.65917	7/15/2036
MML MANAGED BOND FUND	FIXED INCOME	WELLS FARGO COMMERCIAL MORTGAG	99,088.04	97,887	0.01	3.349	11/15/2043
MML MANAGED BOND FUND	FIXED INCOME	FED HM LN PC POOL C91344	168,483.22	162,015	0.01	3.5	11/1/2030
MML MANAGED BOND FUND	FIXED INCOME	NEW YORK CITY NY MUNI WTR FIN	145,258.05	105,000	0.01	5.882	6/15/2044
MML MANAGED BOND FUND	FIXED INCOME	STRUCTURED RECEIVABLES FINANCE	252,241.45	254,325	0.02	3.73	8/15/2036
MML MANAGED BOND FUND	FIXED INCOME	CALIFORNIA ST	1,780,576.95	1,115,000	0.13	7.6	11/1/2040
MML MANAGED BOND FUND	FIXED INCOME	KINDER MORGAN FIN CO LLC	2,704,746.74	2,700,000	0.20	6	1/15/2018
MML MANAGED BOND FUND	FIXED INCOME	ORANGE CNTY CA LOCAL TRANSPRTN	1,903,392.00	1,350,000	0.14	6.908	2/15/2041
MML MANAGED BOND FUND	FIXED INCOME	GNMA II TBA 30 YR 3.5	18,409,094.64	17,800,000	1.34	3.5	1/24/2048
MML MANAGED BOND FUND	FIXED INCOME	ENTERPRISE PRODUCTS OPER	561,585.44	455,000	0.04	5.95	2/1/2041
MML MANAGED BOND FUND	FIXED INCOME	USF+G CAPITAL I	1,298,679.86	885,000	0.09	8.5	12/15/2045
MML MANAGED BOND FUND	FIXED INCOME	GNMA POOL 371146	486.26	446	0.00	7	9/15/2023
MML MANAGED BOND FUND	FIXED INCOME	FNMA POOL 532819	160.95	136	0.00	8	3/1/2030
MML MANAGED BOND FUND	FIXED INCOME	FNMA POOL 534703	3,394.59	2,868	0.00	8	5/1/2030
MML MANAGED BOND FUND	FIXED INCOME	GNMA POOL 374440	507.12	467	0.00	7	11/15/2023
MML MANAGED BOND FUND	FIXED INCOME	FNMA POOL 529453	3,208.64	2,744	0.00	7.5	1/1/2030
MML MANAGED BOND FUND	FIXED INCOME	WESTROCK MWV LLC	1,418,215.62	1,000,000	0.10	7.55	3/1/2047
MML MANAGED BOND FUND	FIXED INCOME	FNMA POOL 536386	563.43	483	0.00	7.5	4/1/2030
MML MANAGED BOND FUND	FIXED INCOME	SPRINT COMMUNICATIONS	3,040,875.00	2,550,000	0.22	9.25	4/15/2022
MML MANAGED BOND FUND	FIXED INCOME	GNMA POOL 480539	514.98	447	0.00	7	4/15/2029
MML MANAGED BOND FUND	FIXED INCOME	FREDDIE MAC	65,489.06	58,942	0.00	7	8/15/2029
MML MANAGED BOND FUND	FIXED INCOME	GNMA POOL 500928	5,213.98	4,496	0.00	7	5/15/2029
MML MANAGED BOND FUND	FIXED INCOME	GNMA II POOL 080136	1,016.58	995	0.00	2.25	11/20/2027
MML MANAGED BOND FUND	FIXED INCOME	FNMA POOL 252926	285.26	242	0.00	8	12/1/2029
MML MANAGED BOND FUND	FIXED INCOME	GNMA POOL 352022	7,513.53	6,839	0.00	7	11/15/2023
MML MANAGED BOND FUND	FIXED INCOME	GNMA POOL 510083	1,428.74	1,238	0.00	7	7/15/2029
MML MANAGED BOND FUND	FIXED INCOME	GNMA POOL 493723	3,133.79	2,687	0.00	7	8/15/2029
MML MANAGED BOND FUND	CASH	US DOLLAR	746,956.79	746,957	0.05	0	
MML MANAGED BOND FUND	CASH	EURO CURRENCY	0.50	0	0.00	0	
MML MANAGED BOND FUND	FIXED INCOME	HIGHWOODS REALTY LP	197,950.82	195,000	0.01	7.5	4/15/2018
MML MANAGED BOND FUND	FIXED INCOME	FNMA POOL 253437	208.38	177	0.00	8	9/1/2030
MML MANAGED BOND FUND	FIXED INCOME	FNMA POOL 253481	125.85	106	0.00	8	10/1/2030
MML MANAGED BOND FUND	FIXED INCOME	FED HM LN PC POOL C01079	2,327.07	1,994	0.00	7.5	10/1/2030
MML MANAGED BOND FUND	FIXED INCOME	FED HM LN PC POOL C01135	6,743.15	5,790	0.00	7.5	2/1/2031
MML MANAGED BOND FUND	FIXED INCOME	FNMA POOL 575667	14,796.80	12,698	0.00	7	3/1/2031
MML MANAGED BOND FUND	FIXED INCOME	FNMA POOL 535996	8,689.39	7,446	0.00	7.5	6/1/2031
MML MANAGED BOND FUND	FIXED INCOME	FNMA POOL 602008	5,242.14	4,447	0.00	8	8/1/2031
MML MANAGED BOND FUND	FIXED INCOME	FNMA POOL 596656	1,574.92	1,492	0.00	8	8/1/2031
MML MANAGED BOND FUND	FIXED INCOME	GNMA POOL 581417	14,974.02	12,872	0.00	7	7/15/2032
MML MANAGED BOND FUND	FIXED INCOME	GOLDMAN SACHS GROUP INC	426,976.48	335,000	0.03	6.125	2/15/2033
MML MANAGED BOND FUND	FIXED INCOME	TRI STATE SERIES B PASS	593,328.00	480,000	0.04	7.144	7/31/2033
MML MANAGED BOND FUND	FIXED INCOME	FREDDIE MAC	2,725,303.36	2,529,046	0.20	5.5	10/15/2033
MML MANAGED BOND FUND	FIXED INCOME	FED HM LN PC POOL C90939	35,927.19	32,774	0.00	5.5	12/1/2025
MML MANAGED BOND FUND	FIXED INCOME	PETROLEOS MEXICANOS	149,567.60	140,000	0.01	6.625	6/15/2035
MML MANAGED BOND FUND	FIXED INCOME	EMBARQ CORP	141,012.50	145,000	0.01	7.995	6/1/2036
MML MANAGED BOND FUND	FIXED INCOME	NEVADA POWER CO	764,368.56	550,000	0.06	6.65	4/1/2036
MML MANAGED BOND FUND	FIXED INCOME	GOLDMAN SACHS GROUP INC	1,647,124.03	1,410,000	0.12	5.95	1/15/2027
MML MANAGED BOND FUND	FIXED INCOME	VALE OVERSEAS LIMITED	771,750.00	630,000	0.06	6.875	11/21/2036
MML MANAGED BOND FUND	FIXED INCOME	GSR MORTGAGE LOAN TRUST	7,639.10	7,585	0.00	3.59628	8/25/2034

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML MANAGED BOND FUND	FIXED INCOME	NELNET STUDENT LOAN TRUST	726,658.07	845,007	0.05	1.92464	6/25/2041
MML MANAGED BOND FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	928,032.35	1,012,875	0.07	1.51742	4/25/2040
MML MANAGED BOND FUND	FIXED INCOME	KINDER MORGAN ENER PART	175,541.26	150,000	0.01	6.5	2/1/2037
MML MANAGED BOND FUND	FIXED INCOME	PACIFIC GAS + ELECTRIC	677,617.29	543,000	0.05	5.8	3/1/2037
MML MANAGED BOND FUND	FIXED INCOME	EXPEDIA INC	2,629,997.02	2,550,000	0.19	7.456	8/15/2018
MML MANAGED BOND FUND	FIXED INCOME	CHUBB CORP	371,195.00	374,000	0.03	3.60917	3/29/2067
MML MANAGED BOND FUND	FIXED INCOME	BURLINGTN NORTH SANTA FE	965,137.71	720,000	0.07	6.15	5/1/2037
MML MANAGED BOND FUND	FIXED INCOME	KINDER MORGAN ENER PART	217,585.57	175,000	0.02	6.95	1/15/2038
MML MANAGED BOND FUND	FIXED INCOME	COMCAST CORP	735,502.51	515,000	0.05	6.95	8/15/2037
MML MANAGED BOND FUND	FIXED INCOME	FED HM LN PC POOL C91074	5,876.74	5,361	0.00	5.5	8/1/2027
MML MANAGED BOND FUND	FIXED INCOME	GOLDMAN SACHS GROUP INC	461,831.95	345,000	0.03	6.75	10/1/2037
MML MANAGED BOND FUND	FIXED INCOME	ACE SECURITIES CORP.	117,499.07	117,558	0.01	2.21213	11/25/2035
MML MANAGED BOND FUND	FIXED INCOME	VIRGINIA ELEC + POWER CO	882,259.60	640,000	0.06	6.35	11/30/2037
MML MANAGED BOND FUND	FIXED INCOME	ENCANA CORP	687,760.17	545,000	0.05	6.5	2/1/2038
MML MANAGED BOND FUND	FIXED INCOME	FED HM LN PC POOL C91128	3,145.17	2,869	0.00	5.5	12/1/2027
MML MANAGED BOND FUND	FIXED INCOME	UNITEDHEALTH GROUP INC	841,246.33	580,000	0.06	6.875	2/15/2038
MML MANAGED BOND FUND	FIXED INCOME	FNMA POOL 523499	328.03	280	0.00	8	11/1/2029
MML MANAGED BOND FUND	FIXED INCOME	GNMA POOL 488634	2,779.95	2,406	0.00	7	5/15/2029
MML MANAGED BOND FUND	FIXED INCOME	GNMA POOL 499410	1,542.12	1,323	0.00	7	7/15/2029
MML MANAGED BOND FUND	FIXED INCOME	AAMES MORTGAGE INVESTMENT TRUS	382,154.25	383,580	0.03	3.0525	1/25/2035
MML MANAGED BOND FUND	FIXED INCOME	BANK OF AMERICA CORP	599,354.42	400,000	0.04	7.75	5/14/2038
MML MANAGED BOND FUND	FIXED INCOME	UNITED TECHNOLOGIES CORP	463,998.80	350,000	0.03	6.125	7/15/2038
MML MANAGED BOND FUND	FIXED INCOME	JOHNSON + JOHNSON	237,097.35	175,000	0.02	5.85	7/15/2038
MML MANAGED BOND FUND	FIXED INCOME	FREDDIE MAC	573,233.55	528,576	0.04	5.5	3/15/2038
MML MANAGED BOND FUND	EQUITY	SWAP BARCLAYS BANK BOC	(4,825,000.00)	(4,825,000)	0.35		
MML MANAGED BOND FUND	FIXED INCOME	TIME WARNER CABLE LLC	346,523.91	325,000	0.03	8.75	2/14/2019
MML MANAGED BOND FUND	FIXED INCOME	FED HM LN PC POOL C91217	15,932.67	14,534	0.00	5.5	11/1/2028
MML MANAGED BOND FUND	FIXED INCOME	FNMA TBA 30 YR 4	5,313,362.50	5,080,000	0.39	4	1/18/2048
MML MANAGED BOND FUND	FIXED INCOME	GENERAL ELECTRIC CO	429,415.21	298,000	0.03	6.875	1/10/2039
MML MANAGED BOND FUND	FIXED INCOME	US TREASURY N/B	18,955,125.00	16,600,000	1.38	3.5	2/15/2039
MML MANAGED BOND FUND	FIXED INCOME	PFIZER INC	605,747.72	395,000	0.04	7.2	3/15/2039
MML MANAGED BOND FUND	FIXED INCOME	TIME WARNER CABLE LLC	80,159.04	75,000	0.01	8.25	4/1/2019
MML MANAGED BOND FUND	FIXED INCOME	CALIFORNIA ST	188,833.20	120,000	0.01	7.55	4/1/2039
MML MANAGED BOND FUND	FIXED INCOME	ENCANA CORP	845,849.32	805,000	0.06	6.5	5/15/2019
MML MANAGED BOND FUND	FIXED INCOME	FED HM LN PC POOL G05253	277,401.04	255,237	0.02	5	2/1/2039
MML MANAGED BOND FUND	FIXED INCOME	ENTERPRISE PRODUCTS OPER	406,335.58	336,000	0.03	5.7	2/15/2042
MML MANAGED BOND FUND	FIXED INCOME	XLIT LTD	1,382,899.83	1,260,000	0.10	5.75	10/1/2021
MML MANAGED BOND FUND	FIXED INCOME	NEWFIELD EXPLORATION CO	1,281,000.00	1,200,000	0.09	5.75	1/30/2022
MML MANAGED BOND FUND	FIXED INCOME	NELNET STUDENT LOAN TRUST	1,222,021.42	1,220,000	0.09	1.48742	4/25/2031
MML MANAGED BOND FUND	FIXED INCOME	FED HM LN PC POOL D97417	13,367.97	12,195	0.00	5.5	10/1/2027
MML MANAGED BOND FUND	FIXED INCOME	LEIDOS HOLDINGS INC	5,877,437.50	5,665,000	0.43	4.45	12/1/2020
MML MANAGED BOND FUND	FIXED INCOME	AMGEN INC	570,050.43	475,000	0.04	5.15	11/15/2041
MML MANAGED BOND FUND	FIXED INCOME	MARATHON PETROLEUM CORP	1,403,748.23	1,120,000	0.10	6.5	3/1/2041
MML MANAGED BOND FUND	FIXED INCOME	CVS PASS THROUGH TRUST	1,345,526.00	1,180,340	0.10	5.926	1/10/2034
MML MANAGED BOND FUND	FIXED INCOME	GOLDMAN SACHS GROUP INC	1,053,389.12	950,000	0.08	5.75	1/24/2022
MML MANAGED BOND FUND	FIXED INCOME	GS MORTGAGE SECURITIES TRUST	521,491.10	488,000	0.04	4.948	1/10/2045
MML MANAGED BOND FUND	FIXED INCOME	SOUTH TEXAS HIGHER EDUCATION A	1,694,801.40	1,700,000	0.12	2.185	10/1/2046
MML MANAGED BOND FUND	FIXED INCOME	BANK OF AMERICA CORP	622,354.86	470,000	0.05	5.875	2/7/2042
MML MANAGED BOND FUND	FIXED INCOME	HUGHES SATELLITE SYSTEMS	1,175,625.00	1,125,000	0.09	6.5	6/15/2019
MML MANAGED BOND FUND	FIXED INCOME	UNITED MEXICAN STATES	4,778,997.00	4,727,000	0.35	4.75	3/8/2044
MML MANAGED BOND FUND	FIXED INCOME	PLAINS ALL AMER PIPELINE	1,201,963.03	1,195,000	0.09	3.65	6/1/2022
MML MANAGED BOND FUND	FIXED INCOME	WESTERN GAS PARTNERS	2,085,241.32	2,044,000	0.15	4	7/1/2022

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML MANAGED BOND FUND	FIXED INCOME	CENOVUS ENERGY INC	1,267,046.92	1,275,000	0.09	3	8/15/2022
MML MANAGED BOND FUND	FIXED INCOME	GENERAL ELECTRIC CO	1,498,068.74	1,430,000	0.11	4.125	10/9/2042
MML MANAGED BOND FUND	FIXED INCOME	UNITEDHEALTH GROUP INC	363,801.30	350,000	0.03	3.95	10/15/2042
MML MANAGED BOND FUND	FIXED INCOME	FAIRWAY OUTDOOR FUNDING LLC	2,000,650.05	1,961,928	0.15	4.212	10/15/2042
MML MANAGED BOND FUND	FIXED INCOME	KENNAMETAL INC	800,633.23	800,000	0.06	2.65	11/1/2019
MML MANAGED BOND FUND	FIXED INCOME	NATIONAL OILWELL VARCO I	1,279,791.33	1,451,000	0.09	3.95	12/1/2042
MML MANAGED BOND FUND	FIXED INCOME	FED HM LN PC POOL C91424	112,202.11	107,895	0.01	3.5	1/1/2032
MML MANAGED BOND FUND	FIXED INCOME	JOBSONIO BEVERAGE SYS STWD LIQ	4,421,393.00	3,950,000	0.32	4.532	1/1/2035
MML MANAGED BOND FUND	FIXED INCOME	QVC INC	576,403.69	545,000	0.04	5.125	7/2/2022
MML MANAGED BOND FUND	FIXED INCOME	FNMA POOL AD6996	4,453,874.75	4,118,893	0.32	5	7/1/2040
MML MANAGED BOND FUND	FIXED INCOME	GOLDENTREE LOAN OPPORTUNITIES	3,123,104.27	3,122,455	0.23	2.51742	4/25/2025
MML MANAGED BOND FUND	FIXED INCOME	HIGHER EDUCATION FUNDING	384,440.40	450,000	0.03	1.288	1/1/2044
MML MANAGED BOND FUND	FIXED INCOME	HIGHER EDUCATION FUNDING	394,125.75	450,000	0.03	1.12	1/1/2044
MML MANAGED BOND FUND	FIXED INCOME	CNH INDUSTRIAL CAPITAL L	658,392.90	655,000	0.05	3.625	4/15/2018
MML MANAGED BOND FUND	FIXED INCOME	HILTON GRAND VACATIONS TRUST	568,085.87	572,031	0.04	2.28	1/25/2026
MML MANAGED BOND FUND	FIXED INCOME	HYUNDAI CAPITAL AMERICA	801,665.58	800,000	0.06	2.875	8/9/2018
MML MANAGED BOND FUND	FIXED INCOME	VIACOM INC	768,802.50	753,000	0.06	4.25	9/1/2023
MML MANAGED BOND FUND	FIXED INCOME	PETROLEOS MEXICANOS	660,825.00	675,000	0.05	3.5	1/30/2023
MML MANAGED BOND FUND	FIXED INCOME	ALLY FINANCIAL INC	2,192,062.50	2,165,000	0.16	4.75	9/10/2018
MML MANAGED BOND FUND	FIXED INCOME	FNMA POOL AH6787	1,171,923.54	1,089,884	0.09	4.5	3/1/2041
MML MANAGED BOND FUND	FIXED INCOME	VERIZON COMMUNICATIONS	1,155,297.41	885,000	0.08	6.55	9/15/2043
MML MANAGED BOND FUND	FIXED INCOME	LAZARD GROUP LLC	3,864,259.09	3,710,000	0.28	4.25	11/14/2020
MML MANAGED BOND FUND	FIXED INCOME	WPP FINANCE 2010	1,382,084.47	1,205,000	0.10	5.625	11/15/2043
MML MANAGED BOND FUND	FIXED INCOME	FIVE CORNERS FUNDING TRS	1,409,191.62	1,315,000	0.10	4.419	11/15/2023
MML MANAGED BOND FUND	FIXED INCOME	ARCH CAPITAL GRP US INC	1,213,074.51	1,040,000	0.09	5.144	11/1/2043
MML MANAGED BOND FUND	FIXED INCOME	COMM MORTGAGE TRUST	1,508,012.06	1,410,000	0.11	4.236	2/10/2047
MML MANAGED BOND FUND	FIXED INCOME	LEGG MASON INC	1,332,276.96	1,195,000	0.10	5.625	1/15/2044
MML MANAGED BOND FUND	FIXED INCOME	AXIS SPECIALTY FINAN PLC	588,029.04	590,000	0.04	2.65	4/1/2019
MML MANAGED BOND FUND	FIXED INCOME	FNMA POOL 531196	400.76	344	0.00	7.5	2/1/2030
MML MANAGED BOND FUND	FIXED INCOME	FNMA POOL 530299	433.43	382	0.00	7.5	3/1/2030
MML MANAGED BOND FUND	FIXED INCOME	GNMA II POOL 008746	5,251.43	5,158	0.00	2.25	11/20/2025
MML MANAGED BOND FUND	FIXED INCOME	ENTERPRISE SERVICES LLC	372,857.62	300,000	0.03	7.45	10/15/2029
MML MANAGED BOND FUND	FIXED INCOME	GNMA POOL 491089	10,701.07	9,541	0.00	7	12/15/2028
MML MANAGED BOND FUND	FIXED INCOME	PROGRESS ENERGY INC	648,099.36	485,000	0.05	7	10/30/2031
MML MANAGED BOND FUND	FIXED INCOME	PANHANDLE PLAINS STUDENT FINAN	786,168.00	800,000	0.06	2.29	12/1/2031
MML MANAGED BOND FUND	FIXED INCOME	FNMA POOL 190317	4,531.81	3,844	0.00	8	8/1/2031
MML MANAGED BOND FUND	FIXED INCOME	FNMA POOL 597220	3,931.51	3,309	0.00	8	9/1/2031
MML MANAGED BOND FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	3,947,288.44	3,950,000	0.29	4.892	12/15/2039
MML MANAGED BOND FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	250,000.00	250,000	0.02	0.5	6/17/2030
MML MANAGED BOND FUND	FIXED INCOME	MERRILL LYNCH MORTGAGE INVESTO	3,438.86	3,340	0.00	3.5875	7/25/2033
MML MANAGED BOND FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	650,000.00	650,000	0.05	0.5	9/15/2028
MML MANAGED BOND FUND	FIXED INCOME	TRI STATE 2003 SERIES A	20,348.21	20,291	0.00	6.04	1/31/2018
MML MANAGED BOND FUND	FIXED INCOME	COUNTRYWIDE HOME LOANS	19,137.78	18,646	0.00	3.44453	2/25/2034
MML MANAGED BOND FUND	FIXED INCOME	STRUCTURED ADJUSTABLE RATE MOR	30,742.17	29,814	0.00	3.49421	3/25/2034
MML MANAGED BOND FUND	FIXED INCOME	WAMU MORTGAGE PASS THROUGH CER	76,817.64	76,255	0.01	2.46289	4/25/2044
MML MANAGED BOND FUND	FIXED INCOME	COUNTRYWIDE ASSET BACKED CERTI	155,671.05	156,238	0.01	2.01213	9/25/2034
MML MANAGED BOND FUND	FIXED INCOME	ERAC USA FINANCE LLC	157,776.22	125,000	0.01	6.7	6/1/2034
MML MANAGED BOND FUND	FIXED INCOME	INDYMAC INDX MORTGAGE LOAN TRU	46,986.26	48,204	0.00	3.19023	8/25/2034
MML MANAGED BOND FUND	FIXED INCOME	BANC OF AMERICA MORTGAGE SECUR	43,990.64	43,704	0.00	3.81026	8/25/2034
MML MANAGED BOND FUND	FIXED INCOME	UNITED MEXICAN STATES	890,500.00	685,000	0.06	6.75	9/27/2034
MML MANAGED BOND FUND	FIXED INCOME	XLIT LTD	3,017,120.91	2,590,000	0.22	6.375	11/15/2024
MML MANAGED BOND FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	718,000.00	718,000	0.05	0.5	3/15/2028

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML MANAGED BOND FUND	FIXED INCOME	FLORIDA POWER + LIGHT CO	746,506.93	630,000	0.05	4.95	6/1/2035
MML MANAGED BOND FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	1,049,244.24	1,056,000	0.08	2.11742	10/25/2040
MML MANAGED BOND FUND	FIXED INCOME	RESIDENTIAL ASSET MORTGAGE PRO	3,601.90	3,602	0.00	1.95213	10/25/2035
MML MANAGED BOND FUND	FIXED INCOME	COUNTRYWIDE PARTNERSHIP TRUST	511,260.74	541,680	0.04	2.45213	2/25/2035
MML MANAGED BOND FUND	FIXED INCOME	MORGAN STANLEY MORTGAGE LOAN T	241.28	226	0.00	3.49997	2/25/2034
MML MANAGED BOND FUND	FIXED INCOME	FED HM LN PC POOL G11630	26,037.74	25,186	0.00	3.5	6/1/2019
MML MANAGED BOND FUND	FIXED INCOME	WACHOVIA BANK COMMERCIAL MORTG	366,075.50	364,135	0.03	5.99699	6/15/2045
MML MANAGED BOND FUND	FIXED INCOME	GCCFC COMMERCIAL MORTGAGE TRUS	1,293,450.50	1,280,685	0.09	5.76666	7/10/2038
MML MANAGED BOND FUND	FIXED INCOME	COUNTRYWIDE HOME LOANS	6,882.01	7,389	0.00	3.88685	9/25/2033
MML MANAGED BOND FUND	FIXED INCOME	NELNET STUDENT LOAN TRUST	1,109,462.96	1,121,439	0.08	1.75793	3/23/2037
MML MANAGED BOND FUND	FIXED INCOME	KEYCORP STUDENT LOAN TRUST	548,207.51	550,309	0.04	1.98464	9/27/2035
MML MANAGED BOND FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	2,140,648.80	2,400,000	0.16	1.51742	1/25/2028
MML MANAGED BOND FUND	FIXED INCOME	FED HM LN PC POOL C91026	59,631.22	54,398	0.00	5.5	4/1/2027
MML MANAGED BOND FUND	FIXED INCOME	NELNET STUDENT LOAN TRUST	303,494.10	325,000	0.02	2.379	3/22/2032
MML MANAGED BOND FUND	FIXED INCOME	LONG BEACH MORTGAGE LOAN TRUST	202,810.34	202,263	0.01	2.34713	2/25/2035
MML MANAGED BOND FUND	FIXED INCOME	ACCESS GROUP INC	414,775.26	439,951	0.03	2.52	7/1/2038
MML MANAGED BOND FUND	FIXED INCOME	TIAA SEASONED COMMERCIAL MORTG	125,797.70	126,083	0.01	5.476	8/15/2039
MML MANAGED BOND FUND	FIXED INCOME	WACHOVIA BANK COMMERCIAL MORTG	798,296.76	795,948	0.06	6.01095	2/15/2051
MML MANAGED BOND FUND	FIXED INCOME	COLLEGIATE FUNDING SERVICES ED	1,439,690.60	1,463,758	0.10	1.84577	3/28/2035
MML MANAGED BOND FUND	FIXED INCOME	FANNIE MAE	872,035.34	803,018	0.06	5.5	4/25/2037
MML MANAGED BOND FUND	FIXED INCOME	FNMA POOL 725692	138,755.13	134,233	0.01	3.229	10/1/2033
MML MANAGED BOND FUND	FIXED INCOME	WEATHERFORD BERMUDA	525,630.00	525,000	0.04	6	3/15/2018
MML MANAGED BOND FUND	FIXED INCOME	MCKESSON CORP	671,851.13	550,000	0.05	6	3/1/2041
MML MANAGED BOND FUND	FIXED INCOME	KINDER MORGAN ENER PART	437,048.77	376,000	0.03	6.375	3/1/2041
MML MANAGED BOND FUND	FIXED INCOME	WILLIS TOWERS WATSON PLC	1,838,993.85	1,690,000	0.13	5.75	3/15/2021
MML MANAGED BOND FUND	FIXED INCOME	HOME DEPOT INC	812,537.12	600,000	0.06	5.95	4/1/2041
MML MANAGED BOND FUND	FIXED INCOME	TIME WARNER INC	259,345.62	210,000	0.02	6.25	3/29/2041
MML MANAGED BOND FUND	FIXED INCOME	ASCIANO FINANCE LTD	1,157,315.23	1,150,000	0.08	5	4/7/2018
MML MANAGED BOND FUND	FIXED INCOME	PUGET ENERGY INC	1,749,071.42	1,580,000	0.13	6.5	12/15/2020
MML MANAGED BOND FUND	FIXED INCOME	JPMORGAN CHASE + CO	1,447,084.89	1,125,000	0.11	5.6	7/15/2041
MML MANAGED BOND FUND	FIXED INCOME	FED HM LN PC POOL D97258	40,629.98	37,064	0.00	5.5	4/1/2027
MML MANAGED BOND FUND	FIXED INCOME	GNMA POOL 516706	95.72	91	0.00	7	8/15/2029
MML MANAGED BOND FUND	FIXED INCOME	FNMA POOL 775539	49,662.08	47,590	0.00	3.475	5/1/2034
MML MANAGED BOND FUND	FIXED INCOME	ISRAEL ELECTRIC CORP LTD	1,302,350.00	1,250,000	0.09	7.25	1/15/2019
MML MANAGED BOND FUND	FIXED INCOME	TYCO ELECTRONICS GROUP S	485,034.05	335,000	0.04	7.125	10/1/2037
MML MANAGED BOND FUND	FIXED INCOME	BANC OF AMERICA COMMERCIAL MOR	606,502.53	606,753	0.04	6.18382	2/10/2051
MML MANAGED BOND FUND	FIXED INCOME	FED HM LN PC POOL C91239	8,904.11	8,367	0.00	4.5	3/1/2029
MML MANAGED BOND FUND	FIXED INCOME	CVS HEALTH CORP	703,792.77	560,000	0.05	6.125	9/15/2039
MML MANAGED BOND FUND	FIXED INCOME	REPUBLIC OF COLOMBIA	3,115,350.00	2,580,000	0.23	6.125	1/18/2041
MML MANAGED BOND FUND	FIXED INCOME	CISCO SYSTEMS INC	456,504.44	345,000	0.03	5.5	1/15/2040
MML MANAGED BOND FUND	FIXED INCOME	GNMA II TBA 30 YR 4	14,336,522.75	13,750,000	1.04	4	1/24/2048
MML MANAGED BOND FUND	FIXED INCOME	GNMA II POOL 082462	591,761.90	574,304	0.04	2.375	1/20/2040
MML MANAGED BOND FUND	FIXED INCOME	BRAMBLES USA INC	515,595.32	490,000	0.04	5.35	4/1/2020
MML MANAGED BOND FUND	FIXED INCOME	COLLEGE LOAN CORPORATION TRUST	730,232.10	900,000	0.05	1.182	1/25/2047
MML MANAGED BOND FUND	FIXED INCOME	BAYVIEW FINANCIAL ACQUISITION	148,765.88	148,548	0.01	2.06375	6/28/2044
MML MANAGED BOND FUND	FIXED INCOME	ARCELORMITTAL	2,145,870.00	2,034,000	0.16	5.75	8/5/2020
MML MANAGED BOND FUND	FIXED INCOME	LENNAR CORP	45,843.75	45,000	0.00	6.95	6/1/2018
MML MANAGED BOND FUND	FIXED INCOME	FNMA TBA 30 YR 3.5	22,031,496.63	21,450,000	1.61	3.5	1/18/2048
MML MANAGED BOND FUND	FIXED INCOME	FHLMC TBA 30 YR 3.5	6,933,515.63	6,750,000	0.51	3.5	1/18/2048
MML MANAGED BOND FUND	FIXED INCOME	STEELCASE INC	109,439.53	100,000	0.01	6.375	2/15/2021
MML MANAGED BOND FUND	FIXED INCOME	MASTR ASSET BACKED SECURITIES	561,961.16	560,827	0.04	2.27213	3/25/2035
MML MANAGED BOND FUND	FIXED INCOME	NORTH CAROLINA STATE EDUCATION	1,580,505.44	1,600,000	0.12	2.16742	7/25/2036

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML MANAGED BOND FUND	FIXED INCOME	FED HM LN PC POOL J13972	62,011.27	59,964	0.00	3.5	1/1/2026
MML MANAGED BOND FUND	FIXED INCOME	FNMA POOL AD0836	107,987.44	98,510	0.01	5.5	11/1/2028
MML MANAGED BOND FUND	FIXED INCOME	NISOURCE FINANCE CORP	1,177,070.40	950,000	0.09	5.8	2/1/2042
MML MANAGED BOND FUND	FIXED INCOME	FNMA POOL AA3980	85,613.32	78,379	0.01	4.5	4/1/2028
MML MANAGED BOND FUND	FIXED INCOME	ARCELORMITTAL	1,336,112.50	1,201,000	0.10	6.75	2/25/2022
MML MANAGED BOND FUND	FIXED INCOME	ERICSSON LM	3,096,588.22	3,075,000	0.23	4.125	5/15/2022
MML MANAGED BOND FUND	FIXED INCOME	KINROSS GOLD CORP	2,319,562.50	2,225,000	0.17	5.125	9/1/2021
MML MANAGED BOND FUND	FIXED INCOME	MARRIOTT VACATION CLUB OWNER T	196,763.71	197,007	0.01	2.51	5/20/2030
MML MANAGED BOND FUND	FIXED INCOME	GNMA II POOL 082488	547,264.94	531,587	0.04	2.375	3/20/2040
MML MANAGED BOND FUND	FIXED INCOME	ICICI BANK LTD/DUBAI	1,253,197.50	1,250,000	0.09	4.7	2/21/2018
MML MANAGED BOND FUND	FIXED INCOME	COMM MORTGAGE TRUST	1,061,387.86	1,060,000	0.08	3.703	10/15/2045
MML MANAGED BOND FUND	FIXED INCOME	ARL LLC	1,020,193.34	1,012,617	0.07	3.22703	12/15/2042
MML MANAGED BOND FUND	FIXED INCOME	FNMA POOL AB7401	179,646.76	178,406	0.01	3	12/1/2042
MML MANAGED BOND FUND	FIXED INCOME	FNMA POOL AB7397	192,958.23	191,626	0.01	3	12/1/2042
MML MANAGED BOND FUND	EQUITY	ALLSTATE CORP	2,492,800.00	95,000	0.18		
MML MANAGED BOND FUND	FIXED INCOME	FNMA POOL AR5391	122,761.82	122,066	0.01	3	1/1/2043
MML MANAGED BOND FUND	FIXED INCOME	MATTEL INC	1,798,231.25	1,805,000	0.13	1.7	3/15/2018
MML MANAGED BOND FUND	FIXED INCOME	FNMA POOL AL3215	169,682.59	168,720	0.01	3	2/1/2043
MML MANAGED BOND FUND	FIXED INCOME	FNMA POOL AR4432	65,093.51	64,724	0.00	3	3/1/2043
MML MANAGED BOND FUND	FIXED INCOME	FNMA POOL AR4109	152,763.91	151,898	0.01	3	2/1/2043
MML MANAGED BOND FUND	FIXED INCOME	FNMA POOL AT0169	291,480.04	289,827	0.02	3	3/1/2043
MML MANAGED BOND FUND	FIXED INCOME	FNMA POOL AR1975	51,608.06	51,315	0.00	3	12/1/2042
MML MANAGED BOND FUND	FIXED INCOME	FNMA POOL AB8809	94,050.87	93,518	0.01	3	3/1/2043
MML MANAGED BOND FUND	FIXED INCOME	FNMA POOL AR2174	324,771.60	322,930	0.02	3	4/1/2043
MML MANAGED BOND FUND	FIXED INCOME	EDUCATIONAL FUNDING OF THE SOU	678,182.94	625,000	0.05	5.06742	4/25/2046
MML MANAGED BOND FUND	FIXED INCOME	CKE RESTAURANTS HOLDINGS INC	1,111,418.28	1,107,802	0.08	4.474	3/20/2043
MML MANAGED BOND FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	1,392,642.42	1,420,000	0.10	2.8275	6/25/2043
MML MANAGED BOND FUND	FIXED INCOME	OHA CREDIT PARTNERS LTD	1,849,750.68	1,847,050	0.13	2.48261	4/20/2025
MML MANAGED BOND FUND	FIXED INCOME	SIERRA RECEIVABLES FUNDING CO	685,342.94	685,611	0.05	2.28	11/20/2025
MML MANAGED BOND FUND	FIXED INCOME	FORD MOTOR CREDIT CO LLC	358,021.32	340,000	0.03	4.375	8/6/2023
MML MANAGED BOND FUND	FIXED INCOME	ALLSTATE CORP	2,465,660.00	2,260,000	0.18	5.75	8/15/2053
MML MANAGED BOND FUND	FIXED INCOME	NELNET STUDENT LOAN TRUST	2,001,310.85	2,011,269	0.15	1.95862	1/25/2037
MML MANAGED BOND FUND	FIXED INCOME	MAGELLAN MIDSTREAM PARTN	1,261,236.54	1,115,000	0.09	5.15	10/15/2043
MML MANAGED BOND FUND	FIXED INCOME	DBCCRE MORTGAGE TRUST	1,023,771.72	995,000	0.07	4.2382	1/10/2034
MML MANAGED BOND FUND	FIXED INCOME	COMM MORTGAGE TRUST	1,440,224.36	1,375,000	0.10	4.199	3/10/2047
MML MANAGED BOND FUND	FIXED INCOME	MCKESSON CORP	680,148.18	625,000	0.05	4.883	3/15/2044
MML MANAGED BOND FUND	FIXED INCOME	LONG BEACH MORTGAGE LOAN TRUST	574,166.57	573,708	0.04	2.37713	6/25/2035
MML MANAGED BOND FUND	FIXED INCOME	JP MORGAN CHASE COMMERCIAL MOR	499,599.12	500,416	0.04	5.466	6/12/2047
MML MANAGED BOND FUND	FIXED INCOME	FED HM LN PC POOL C91148	121,068.17	110,442	0.01	5.5	1/1/2028
MML MANAGED BOND FUND	FIXED INCOME	FED HM LN PC POOL C91176	44,217.76	40,337	0.00	5.5	5/1/2028
MML MANAGED BOND FUND	FIXED INCOME	DRUG ROYALTY CORPORATION, INC.	53,957.79	53,846	0.00	5.8	7/15/2024
MML MANAGED BOND FUND	FIXED INCOME	FNMA POOL AO8180	41,718.36	41,430	0.00	3	9/1/2042
MML MANAGED BOND FUND	FIXED INCOME	LCM LTD PARTNERSHIP	972,593.29	971,249	0.07	2.50917	7/15/2025
MML MANAGED BOND FUND	FIXED INCOME	SUNOCO LOGISTICS PARTNER	518,121.88	525,000	0.04	5.3	4/1/2044
MML MANAGED BOND FUND	FIXED INCOME	PLAINS ALL AMER PIPELINE	631,025.19	675,000	0.05	4.7	6/15/2044
MML MANAGED BOND FUND	FIXED INCOME	GLENCORE FUNDING LLC	2,496,967.00	2,365,000	0.18	4.625	4/29/2024
MML MANAGED BOND FUND	FIXED INCOME	ADT CORP	3,148,125.00	2,875,000	0.23	6.25	10/15/2021
MML MANAGED BOND FUND	FIXED INCOME	ANTERO RESOURCES CORP	3,126,250.00	3,050,000	0.23	5.375	11/1/2021
MML MANAGED BOND FUND	FIXED INCOME	PENNSYLVANIA ELECTRIC CO	1,947,360.18	1,860,000	0.14	4.15	4/15/2025
MML MANAGED BOND FUND	FIXED INCOME	QVC INC	963,582.54	960,000	0.07	3.125	4/1/2019
MML MANAGED BOND FUND	FIXED INCOME	TURK TELEKOMUNIKASYON AS	241,381.44	240,000	0.02	3.75	6/19/2019
MML MANAGED BOND FUND	FIXED INCOME	DRUG ROYALTY II LP 1	305,478.83	308,777	0.02	3.484	7/15/2023

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML MANAGED BOND FUND	FIXED INCOME	MONSANTO CO	692,605.86	650,000	0.05	4.4	7/15/2044
MML MANAGED BOND FUND	FIXED INCOME	AMERICAN INTL GROUP	1,265,594.54	1,175,000	0.09	4.5	7/16/2044
MML MANAGED BOND FUND	FIXED INCOME	SOUTH CAROLINA STUDENT LOAN CO	1,781,886.96	1,800,000	0.13	2.36069	1/3/2033
MML MANAGED BOND FUND	FIXED INCOME	AMER AIRLN 14 1 B PTT	207,238.00	202,902	0.02	4.375	4/1/2024
MML MANAGED BOND FUND	FIXED INCOME	AMERICAN AIRLINES GROUP	6,088,965.00	5,926,000	0.44	5.5	10/1/2019
MML MANAGED BOND FUND	FIXED INCOME	CAPITAL AUTOMOTIVE REIT	900,403.56	900,000	0.07	3.66	10/15/2044
MML MANAGED BOND FUND	FIXED INCOME	PETROLEOS MEXICANOS	326,625.00	325,000	0.02	3.125	1/23/2019
MML MANAGED BOND FUND	FIXED INCOME	PETROLEOS MEXICANOS	598,183.25	595,000	0.04	6.375	1/23/2045
MML MANAGED BOND FUND	FIXED INCOME	STANDARD INDUSTRIES INC	1,710,110.80	1,636,000	0.12	5.375	11/15/2024
MML MANAGED BOND FUND	FIXED INCOME	ASSOC BANC CORP	2,814,529.68	2,805,000	0.21	2.75	11/15/2019
MML MANAGED BOND FUND	FIXED INCOME	CRONOS CONTAINERS PROGRAM LTD	391,826.12	394,444	0.03	3.27	11/18/2029
MML MANAGED BOND FUND	FIXED INCOME	ASSOC BANC CORP	3,079,685.42	2,991,000	0.22	4.25	1/15/2025
MML MANAGED BOND FUND	FIXED INCOME	ENTERGY LOUISIANA LLC	1,056,015.92	1,005,000	0.08	4.95	1/15/2045
MML MANAGED BOND FUND	FIXED INCOME	LENNAR CORP	3,478,987.50	3,390,000	0.25	4.5	11/15/2019
MML MANAGED BOND FUND	FIXED INCOME	ARES CAPITAL CORP	1,882,684.65	1,850,000	0.14	3.875	1/15/2020
MML MANAGED BOND FUND	FIXED INCOME	OXFORD FINANCE FUNDING TRUST	382,320.48	384,448	0.03	3.475	12/15/2022
MML MANAGED BOND FUND	FIXED INCOME	QVC INC	1,407,696.16	1,380,000	0.10	4.45	2/15/2025
MML MANAGED BOND FUND	FIXED INCOME	BECTON DICKINSON AND CO	902,134.17	825,000	0.07	4.685	12/15/2044
MML MANAGED BOND FUND	FIXED INCOME	PHILLIPS 66 PARTNERS LP	182,829.47	178,000	0.01	4.68	2/15/2045
MML MANAGED BOND FUND	FIXED INCOME	ARROW ELECTRONICS INC	1,702,503.01	1,680,000	0.12	3.5	4/1/2022
MML MANAGED BOND FUND	FIXED INCOME	ELEMENT RAIL LEASING LLC	433,613.79	444,146	0.03	2.707	2/19/2045
MML MANAGED BOND FUND	FIXED INCOME	ALLERGAN FUNDING SCS	1,351,986.73	1,270,000	0.10	4.75	3/15/2045
MML MANAGED BOND FUND	FIXED INCOME	VERIZON COMMUNICATIONS	2,320,736.20	2,228,000	0.17	4.862	8/21/2046
MML MANAGED BOND FUND	FIXED INCOME	XLIT LTD	1,227,363.37	1,200,000	0.09	4.45	3/31/2025
MML MANAGED BOND FUND	FIXED INCOME	AT+T INC	1,736,033.37	1,775,000	0.13	4.75	5/15/2046
MML MANAGED BOND FUND	FIXED INCOME	CROWN CASTLE TOWERS LLC	1,717,051.00	1,700,000	0.13	3.222	5/15/2042
MML MANAGED BOND FUND	FIXED INCOME	ABBVIE INC	1,188,551.20	1,060,000	0.09	4.7	5/14/2045
MML MANAGED BOND FUND	FIXED INCOME	TEVA PHARMACEUTICALS NE	350,291.91	460,000	0.03	4.1	10/1/2046
MML MANAGED BOND FUND	FIXED INCOME	FANNIE MAE CAS	1,883,097.19	1,866,458	0.14	3.00213	1/25/2029
MML MANAGED BOND FUND	FIXED INCOME	MARLETTE FUNDING TRUST	618,940.25	617,846	0.05	3.06	1/17/2023
MML MANAGED BOND FUND	FIXED INCOME	KRAFT HEINZ FOODS CO	1,842,766.64	1,915,000	0.13	3	6/1/2026
MML MANAGED BOND FUND	FIXED INCOME	DOLLAR TREE INC	3,084,887.50	2,945,000	0.22	5.75	3/1/2023
MML MANAGED BOND FUND	FIXED INCOME	FIRST REPUBLIC BANK	4,457,330.68	4,360,000	0.32	4.375	8/1/2046
MML MANAGED BOND FUND	FIXED INCOME	SOFI CONSUMER LOAN PROGRAM TRU	2,222,490.61	2,211,518	0.16	3.09	10/27/2025
MML MANAGED BOND FUND	FIXED INCOME	NAVIENT STUDENT LOAN TRUST	2,897,303.93	2,829,448	0.21	2.80213	6/25/2065
MML MANAGED BOND FUND	FIXED INCOME	WEINGARTEN REALTY INVEST	513,486.01	535,000	0.04	3.25	8/15/2026
MML MANAGED BOND FUND	FIXED INCOME	DUKE ENERGY CORP	1,221,305.01	1,235,000	0.09	3.75	9/1/2046
MML MANAGED BOND FUND	FIXED INCOME	BUNGE LTD FINANCE CORP	1,003,452.72	1,050,000	0.07	3.25	8/15/2026
MML MANAGED BOND FUND	FIXED INCOME	ECMC GROUP STUDENT LOAN TRUST	3,600,116.06	3,567,156	0.26	2.6775	7/26/2066
MML MANAGED BOND FUND	FIXED INCOME	MPLX LP	2,591,418.40	2,418,000	0.19	4.875	6/1/2025
MML MANAGED BOND FUND	FIXED INCOME	TCI SYMPHONY CLO	2,187,083.20	2,150,000	0.16	2.83861	10/13/2029
MML MANAGED BOND FUND	FIXED INCOME	SOCIAL PROFESSIONAL LOAN PROGR	1,277,955.25	1,300,000	0.09	2.34	4/25/2033
MML MANAGED BOND FUND	FIXED INCOME	VSE VOI MORTGAGE LLC	1,863,403.39	1,879,397	0.14	2.54	7/20/2033
MML MANAGED BOND FUND	FIXED INCOME	OSCAR US FUNDING TRUST	3,983,428.00	4,000,000	0.29	2.99	12/15/2023
MML MANAGED BOND FUND	FIXED INCOME	PITNEY BOWES INC	2,794,650.00	3,005,000	0.20	3.625	10/1/2021
MML MANAGED BOND FUND	FIXED INCOME	SPRINGCASTLE SPV	1,269,932.15	1,262,105	0.09	3.05	4/25/2029
MML MANAGED BOND FUND	FIXED INCOME	SHIRE ACQ INV IRELAND DA	1,066,635.69	1,085,000	0.08	2.875	9/23/2023
MML MANAGED BOND FUND	FIXED INCOME	MPLX LP	938,520.96	912,000	0.07	5.5	2/15/2023
MML MANAGED BOND FUND	FIXED INCOME	SOFI CONSUMER LOAN PROGRAM TRU	1,453,437.17	1,446,501	0.11	3.05	12/26/2025
MML MANAGED BOND FUND	FIXED INCOME	CNH INDUSTRIAL CAP LLC	3,337,531.20	3,280,000	0.24	3.875	10/15/2021
MML MANAGED BOND FUND	FIXED INCOME	ORANGE LAKE TIMESHARE TRUST	1,322,380.32	1,335,913	0.10	2.61	3/8/2029
MML MANAGED BOND FUND	FIXED INCOME	NEW RESIDENTIAL ADVANCE RECEIV	10,411,374.06	10,600,000	0.76	2.8332	10/16/2051

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML MANAGED BOND FUND	FIXED INCOME	ORANGE LAKE TIMESHARE TRUST	1,100,110.02	1,118,740	0.08	2.91	3/8/2029
MML MANAGED BOND FUND	FIXED INCOME	US TREASURY N/B	21,004,074.49	21,700,000	1.53	2	11/15/2026
MML MANAGED BOND FUND	FIXED INCOME	BLACKBIRD CAPITAL AIRCRAFT	1,649,138.49	1,664,583	0.12	2.487	12/16/2041
MML MANAGED BOND FUND	FIXED INCOME	DIAMOND RESORTS OWNER TRUST	2,903,753.15	2,949,580	0.21	3.08	11/20/2028
MML MANAGED BOND FUND	FIXED INCOME	JPMORGAN CHASE + CO	1,248,307.83	1,235,000	0.09	3.625	12/1/2027
MML MANAGED BOND FUND	FIXED INCOME	PLAINS ALL AMER PIPELINE	1,378,631.89	1,360,000	0.10	4.5	12/15/2026
MML MANAGED BOND FUND	FIXED INCOME	PENNSYLVANIA HIGHER EDUCATION	3,205,551.66	3,199,827	0.23	2.50213	11/25/2065
MML MANAGED BOND FUND	FIXED INCOME	SPS SERVICER ADVANCE RECEIVABL	4,484,388.85	4,490,000	0.33	2.75	11/15/2049
MML MANAGED BOND FUND	FIXED INCOME	ABBOTT LABORATORIES	831,761.57	810,000	0.06	3.75	11/30/2026
MML MANAGED BOND FUND	FIXED INCOME	ABBOTT LABORATORIES	865,605.29	755,000	0.06	4.9	11/30/2046
MML MANAGED BOND FUND	FIXED INCOME	BANK OF AMERICA CORP	3,148,463.02	3,015,000	0.23	4.183	11/25/2027
MML MANAGED BOND FUND	FIXED INCOME	CHARTER COMM OPT LLC/CAP	1,648,491.63	1,580,000	0.12	4.464	7/23/2022
MML MANAGED BOND FUND	FIXED INCOME	CHARTER COMM OPT LLC/CAP	1,498,219.99	1,285,000	0.11	6.484	10/23/2045
MML MANAGED BOND FUND	FIXED INCOME	CHARTER COMM OPT LLC/CAP	1,589,080.07	1,560,000	0.12	3.579	7/23/2020
MML MANAGED BOND FUND	FIXED INCOME	FORD MOTOR COMPANY	576,750.81	530,000	0.04	5.291	12/8/2046
MML MANAGED BOND FUND	FIXED INCOME	PETROLEOS MEXICANOS	639,405.00	585,000	0.05	6.5	3/13/2027
MML MANAGED BOND FUND	FIXED INCOME	NELNET PRIVATE EDUCATION LOAN	1,192,291.29	1,207,917	0.09	3.6	12/26/2040
MML MANAGED BOND FUND	FIXED INCOME	FNMA POOL BF0094	7,429,139.60	7,059,875	0.54	4	5/1/2056
MML MANAGED BOND FUND	FIXED INCOME	PBF HOLDING CO LLC	1,222,000.00	1,175,000	0.09	7	11/15/2023
MML MANAGED BOND FUND	FIXED INCOME	BARCLAYS PLC	1,780,139.71	1,720,000	0.13	4.337	1/10/2028
MML MANAGED BOND FUND	FIXED INCOME	CREDIT SUISSE GROUP AG	1,381,444.67	1,325,000	0.10	4.282	1/9/2028
MML MANAGED BOND FUND	FIXED INCOME	FORD MOTOR CREDIT CO LLC	1,343,232.64	1,340,000	0.10	2.681	1/9/2020
MML MANAGED BOND FUND	FIXED INCOME	ENLINK MIDSTREAM PARTNER	707,301.83	700,000	0.05	4.15	6/1/2025
MML MANAGED BOND FUND	FIXED INCOME	CNO FINANCIAL GROUP INC	1,650,060.00	1,602,000	0.12	4.5	5/30/2020
MML MANAGED BOND FUND	FIXED INCOME	CNO FINANCIAL GROUP INC	2,448,655.00	2,321,000	0.18	5.25	5/30/2025
MML MANAGED BOND FUND	FIXED INCOME	WENDYS FUNDING LLC	3,891,448.35	3,885,563	0.28	3.371	6/15/2045
MML MANAGED BOND FUND	FIXED INCOME	CNH INDUSTRIAL CAPITAL L	1,541,475.00	1,530,000	0.11	3.375	7/15/2019
MML MANAGED BOND FUND	FIXED INCOME	ARCELOMITTAL	2,262,425.00	2,165,000	0.16	5.125	6/1/2020
MML MANAGED BOND FUND	FIXED INCOME	REYNOLDS AMERICAN INC	949,064.95	760,000	0.07	5.85	8/15/2045
MML MANAGED BOND FUND	FIXED INCOME	ENERGY TRANSFER LP	868,733.59	800,000	0.06	6.125	12/15/2045
MML MANAGED BOND FUND	FIXED INCOME	ENTERGY NEW ORLEANS STORE RECO	523,253.23	524,434	0.04	2.67	6/1/2027
MML MANAGED BOND FUND	FIXED INCOME	AERCAP IRELAND CAP/GLOBA	1,900,896.03	1,810,000	0.14	4.5	5/15/2021
MML MANAGED BOND FUND	FIXED INCOME	DOMINOS PIZZA MASTER ISSUER LL	2,871,226.11	2,856,500	0.21	3.484	10/25/2045
MML MANAGED BOND FUND	FIXED INCOME	FIRST HORIZON NATIONAL	3,655,828.34	3,580,000	0.27	3.5	12/15/2020
MML MANAGED BOND FUND	FIXED INCOME	MICROSOFT CORP	2,419,207.28	2,064,000	0.18	4.45	11/3/2045
MML MANAGED BOND FUND	FIXED INCOME	ALLY FINANCIAL INC	3,067,650.00	3,060,000	0.22	3.25	11/5/2018
MML MANAGED BOND FUND	FIXED INCOME	BLUE VIRGO	1,265,130.75	1,262,328	0.09	3	12/15/2022
MML MANAGED BOND FUND	FIXED INCOME	IPALCO ENTERPRISES INC	4,201,600.00	4,160,000	0.31	3.45	7/15/2020
MML MANAGED BOND FUND	FIXED INCOME	BUNGE LTD FINANCE CORP	974,922.77	955,000	0.07	3.5	11/24/2020
MML MANAGED BOND FUND	FIXED INCOME	BANK OF NOVA SCOTIA	1,362,283.86	1,295,000	0.10	4.5	12/16/2025
MML MANAGED BOND FUND	FIXED INCOME	PUGET ENERGY INC	2,404,028.72	2,345,000	0.18	3.65	5/15/2025
MML MANAGED BOND FUND	FIXED INCOME	AMERICAN TOWER CORP	904,362.80	860,000	0.07	4.4	2/15/2026
MML MANAGED BOND FUND	FIXED INCOME	ANHEUSER BUSCH INBEV FIN	4,433,132.96	3,825,000	0.32	4.9	2/1/2046
MML MANAGED BOND FUND	FIXED INCOME	STANDARD INDUSTRIES INC	1,290,615.00	1,238,000	0.09	5.5	2/15/2023
MML MANAGED BOND FUND	FIXED INCOME	EXPRESS SCRIPTS HOLDING	1,252,224.56	1,180,000	0.09	4.5	2/25/2026
MML MANAGED BOND FUND	FIXED INCOME	TRINITY ACQUISITION PLC	1,570,030.99	1,540,000	0.11	3.5	9/15/2021
MML MANAGED BOND FUND	FIXED INCOME	TRINITY ACQUISITION PLC	470,627.01	445,000	0.03	4.4	3/15/2026
MML MANAGED BOND FUND	FIXED INCOME	FNMA POOL AV1897	325,044.88	313,627	0.02	3.5	12/1/2028
MML MANAGED BOND FUND	FIXED INCOME	FED HM LN PC POOL G06057	1,197,924.07	1,116,620	0.09	4.5	10/1/2040
MML MANAGED BOND FUND	FIXED INCOME	FNMA POOL AV2325	980,666.12	946,218	0.07	3.5	12/1/2028
MML MANAGED BOND FUND	FIXED INCOME	AIRCATTLE LTD	1,844,062.50	1,750,000	0.13	5	4/1/2023
MML MANAGED BOND FUND	FIXED INCOME	ANDEAVOR LOGIS LP/CORP	691,752.44	652,000	0.05	6.25	10/15/2022

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML MANAGED BOND FUND	FIXED INCOME	AMCOR FINANCE USA INC	3,059,612.97	3,105,000	0.22	3.625	4/28/2026
MML MANAGED BOND FUND	FIXED INCOME	TACO BELL FUNDING, LLC	2,503,354.22	2,468,750	0.18	3.832	5/25/2046
MML MANAGED BOND FUND	FIXED INCOME	US TREASURY N/B	33,254,379.78	34,950,000	2.42	2.5	5/15/2046
MML MANAGED BOND FUND	FIXED INCOME	DELL INT LLC / EMC CORP	536,975.20	487,000	0.04	6.02	6/15/2026
MML MANAGED BOND FUND	FIXED INCOME	DELL INT LLC / EMC CORP	3,012,269.07	2,975,000	0.22	3.48	6/1/2019
MML MANAGED BOND FUND	FIXED INCOME	DRIVE AUTO RECEIVABLES TRUST	489,097.97	488,638	0.04	2.56	6/15/2020
MML MANAGED BOND FUND	FIXED INCOME	BAXALTA INC	1,031,405.46	885,000	0.08	5.25	6/23/2045
MML MANAGED BOND FUND	FIXED INCOME	VALE OVERSEAS LIMITED	3,076,425.00	2,825,000	0.22	5.875	6/10/2021
MML MANAGED BOND FUND	FIXED INCOME	WESTJET AIRLINES LTD	741,851.77	735,000	0.05	3.5	6/16/2021
MML MANAGED BOND FUND	FIXED INCOME	SBA TOWER TRUST	1,191,000.00	1,200,000	0.09	2.877	7/10/2046
MML MANAGED BOND FUND	FIXED INCOME	ELARA HGV TIMESHARE ISSUER	1,715,117.86	1,725,359	0.13	2.73	4/25/2028
MML MANAGED BOND FUND	FIXED INCOME	MOLSON COORS BREWING CO	631,794.48	620,000	0.05	4.2	7/15/2046
MML MANAGED BOND FUND	FIXED INCOME	ORACLE CORP	1,936,499.95	1,820,000	0.14	4	7/15/2046
MML MANAGED BOND FUND	FIXED INCOME	EXPRESS SCRIPTS HOLDING	1,255,269.80	1,180,000	0.09	4.8	7/15/2046
MML MANAGED BOND FUND	FIXED INCOME	HEALTHCARE TRUST OF AMER	1,245,490.36	1,265,000	0.09	3.5	8/1/2026
MML MANAGED BOND FUND	FIXED INCOME	FED HM LN PC POOL Q42045	821,620.28	793,357	0.06	3.5	7/1/2046
MML MANAGED BOND FUND	FIXED INCOME	ENLINK MIDSTREAM PARTNER	996,522.51	951,000	0.07	4.85	7/15/2026
MML MANAGED BOND FUND	FIXED INCOME	COMCAST CORP	610,270.63	645,000	0.04	3.4	7/15/2046
MML MANAGED BOND FUND	FIXED INCOME	SMB PRIVATE EDUCATION LOAN TRU	1,547,494.67	1,575,000	0.11	2.43	2/17/2032
MML MANAGED BOND FUND	FIXED INCOME	CITIGROUP INC	3,066,199.13	2,975,000	0.22	4.125	7/25/2028
MML MANAGED BOND FUND	FIXED INCOME	CPS AUTO TRUST	266,386.78	266,773	0.02	1.62	1/15/2020
MML MANAGED BOND FUND	FIXED INCOME	TEVA PHARMACEUTICALS NE	2,345,792.22	2,568,000	0.17	2.2	7/21/2021
MML MANAGED BOND FUND	FIXED INCOME	TEVA PHARMACEUTICALS NE	607,247.69	625,000	0.04	1.7	7/19/2019
MML MANAGED BOND FUND	FIXED INCOME	ENERGY TRANSFER LP	1,079,360.30	1,085,000	0.08	4.2	4/15/2027
MML MANAGED BOND FUND	FIXED INCOME	ACCESS GROUP INC	2,910,243.44	2,950,000	0.21	1.699	7/1/2039
MML MANAGED BOND FUND	FIXED INCOME	GNMA POOL 478658	2,650.90	2,279	0.00	7	5/15/2029
MML MANAGED BOND FUND	FIXED INCOME	MERRILL LYNCH MORTGAGE INVESTO	5,075.65	5,212	0.00	3.52457	2/25/2034
MML MANAGED BOND FUND	FIXED INCOME	HERCULES CAPITAL FUNDING TRUST	380,499.49	380,143	0.03	3.524	4/16/2021
MML MANAGED BOND FUND	FIXED INCOME	DIAMOND RESORTS OWNER TRUST	281,142.76	281,406	0.02	2.54	5/20/2027
MML MANAGED BOND FUND	FIXED INCOME	SPIRIT MASTER FUNDING, LLC	1,002,807.00	1,000,000	0.07	3.5014	1/20/2045
MML MANAGED BOND FUND	FIXED INCOME	DONG FANG CONTAINER FINANCE SP	455,498.89	458,333	0.03	1.95	11/25/2039
MML MANAGED BOND FUND	FIXED INCOME	INGRAM MICRO INC	1,279,222.40	1,288,000	0.09	5.45	12/15/2024
MML MANAGED BOND FUND	FIXED INCOME	EDUCATIONAL SERVICES OF AMERIC	1,041,538.68	1,200,000	0.08	3.05213	6/25/2048
MML MANAGED BOND FUND	FIXED INCOME	SVB FINANCIAL GROUP	2,967,078.28	2,960,000	0.22	3.5	1/29/2025
MML MANAGED BOND FUND	FIXED INCOME	AFFILIATED MANAGERS GROU	2,103,292.11	2,080,000	0.15	3.5	8/1/2025
MML MANAGED BOND FUND	FIXED INCOME	WESTGATE RESORTS	769,787.72	770,088	0.06	2.75	5/20/2027
MML MANAGED BOND FUND	FIXED INCOME	OSCAR US FUNDING TRUST	2,243,063.25	2,250,000	0.16	2.44	6/15/2022
MML MANAGED BOND FUND	FIXED INCOME	COMM MORTGAGE TRUST	985,188.40	1,000,000	0.07	4.25385	5/10/2048
MML MANAGED BOND FUND	FIXED INCOME	AVERY POINT CLO LTD	3,836,501.78	3,825,000	0.28	2.84139	8/5/2027
MML MANAGED BOND FUND	FIXED INCOME	TIFFANY + CO	999,307.41	990,000	0.07	4.9	10/1/2044
MML MANAGED BOND FUND	FIXED INCOME	WENDYS FUNDING LLC	1,831,185.81	1,788,825	0.13	4.08	6/15/2045
MML MANAGED BOND FUND	FIXED INCOME	WENDYS FUNDING LLC	2,190,541.02	2,150,500	0.16	4.497	6/15/2045
MML MANAGED BOND FUND	FIXED INCOME	GALAXY CLO LTD	2,877,992.88	2,875,000	0.21	2.81261	7/20/2027
MML MANAGED BOND FUND	FIXED INCOME	BLUEMOUNTAIN CLO LTD	2,607,222.45	2,595,000	0.19	2.78389	7/18/2027
MML MANAGED BOND FUND	FIXED INCOME	DIAMOND RESORTS OWNER TRUST	600,940.65	604,895	0.04	2.73	7/20/2027
MML MANAGED BOND FUND	FIXED INCOME	SPIRIT AIR 2015 1 PTT A	1,819,780.32	1,753,329	0.13	4.1	10/1/2029
MML MANAGED BOND FUND	FIXED INCOME	GNMA II POOL 784026	1,797,596.44	1,735,433	0.13	3.5	12/20/2044
MML MANAGED BOND FUND	FIXED INCOME	MVV OWNER TRUST	682,335.05	686,082	0.05	2.52	12/20/2032
MML MANAGED BOND FUND	FIXED INCOME	FED HM LN PC POOL G60172	1,551,623.35	1,442,741	0.11	4.5	9/1/2043
MML MANAGED BOND FUND	FIXED INCOME	DRB PRIME STUDENT LOAN TRUST	234,000.54	229,109	0.02	3.23756	10/27/2031
MML MANAGED BOND FUND	FIXED INCOME	AUTORIDAD CANAL DE PANAM	1,170,750.00	1,050,000	0.09	4.95	7/29/2035
MML MANAGED BOND FUND	FIXED INCOME	DOMINOS PIZZA MASTER ISSUER LL	3,115,932.78	3,053,500	0.23	4.474	10/25/2045

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML MANAGED BOND FUND	FIXED INCOME	SIERRA RECEIVABLES FUNDING CO	213,197.32	214,367	0.02	3.08	9/20/2032
MML MANAGED BOND FUND	FIXED INCOME	BRAMBLES USA INC	800,618.84	772,000	0.06	4.125	10/23/2025
MML MANAGED BOND FUND	FIXED INCOME	ARBYS FUNDING LLC	1,901,717.76	1,862,000	0.14	4.969	10/30/2045
MML MANAGED BOND FUND	FIXED INCOME	DIAMOND RESORTS OWNER TRUST	628,539.14	634,583	0.05	2.99	5/22/2028
MML MANAGED BOND FUND	FIXED INCOME	DRB PRIME STUDENT LOAN TRUST	899,792.86	900,550	0.07	3.2	1/25/2040
MML MANAGED BOND FUND	FIXED INCOME	FREDDIE MAC STACR	170,084.90	169,854	0.01	3.00213	7/25/2028
MML MANAGED BOND FUND	FIXED INCOME	DRB PRIME STUDENT LOAN TRUST	711,102.76	712,956	0.05	3.55213	4/25/2040
MML MANAGED BOND FUND	FIXED INCOME	SOCIAL PROFESSIONAL LOAN PROGR	879,398.92	858,507	0.06	3.07862	8/25/2036
MML MANAGED BOND FUND	FIXED INCOME	ELEMENT RAIL LEASING LLC	1,231,950.71	1,213,090	0.09	3.968	3/19/2046
MML MANAGED BOND FUND	FIXED INCOME	FNMA POOL AL8173	1,819,851.73	1,684,926	0.13	5	2/1/2044
MML MANAGED BOND FUND	FIXED INCOME	OSCAR US FUNDING TRUST	518,218.10	515,557	0.04	2.95028	7/15/2020
MML MANAGED BOND FUND	FIXED INCOME	FED HM LN PC POOL G60485	1,495,956.34	1,394,831	0.11	4.5	10/1/2041
MML MANAGED BOND FUND	FIXED INCOME	NAVIENT STUDENT LOAN TRUST	2,436,942.55	2,370,000	0.18	2.8275	6/25/2065
MML MANAGED BOND FUND	FIXED INCOME	ONDECK ASSET SECURITIZATION TR	873,216.65	870,000	0.06	4.21	5/17/2020
MML MANAGED BOND FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	5,044,437.03	5,100,000	0.37	1.91742	10/25/2064
MML MANAGED BOND FUND	FIXED INCOME	SMB PRIVATE EDUCATION LOAN TRU	2,983,021.20	3,000,000	0.22	2.7	5/15/2031
MML MANAGED BOND FUND	FIXED INCOME	BANK OF NOVA SCOTIA	1,168,008.75	1,175,000	0.09	4.65	12/31/2099
MML MANAGED BOND FUND	FIXED INCOME	FNMA POOL CA0620	15,211,022.22	14,528,305	1.11	4	10/1/2047
MML MANAGED BOND FUND	FIXED INCOME	MP CLO III, LTD	1,763,105.75	1,750,000	0.13	2.61261	10/20/2030
MML MANAGED BOND FUND	FIXED INCOME	BPCE SA	2,528,856.87	2,570,000	0.18	3.5	10/23/2027
MML MANAGED BOND FUND	FIXED INCOME	BANCO SANTANDER SA	1,790,840.21	1,800,000	0.13	3.125	2/23/2023
MML MANAGED BOND FUND	FIXED INCOME	MOSAIC SOLAR LOANS LLC	1,129,267.89	1,124,989	0.08	3.82	9/20/2042
MML MANAGED BOND FUND	FIXED INCOME	GOLDENTREE LOAN MANAGEMENT US	1,955,875.35	1,950,000	0.14	2.72439	11/28/2030
MML MANAGED BOND FUND	FIXED INCOME	GLENCORE FUNDING LLC	962,091.00	975,000	0.07	3.875	10/27/2027
MML MANAGED BOND FUND	FIXED INCOME	GLENCORE FUNDING LLC	841,712.50	850,000	0.06	3	10/27/2022
MML MANAGED BOND FUND	CASH EQUIVALENT	FLORIDA PWR & LGT CO	4,694,232.72	4,700,000	0.34	0	1/23/2018
MML MANAGED BOND FUND	FIXED INCOME	SOCIAL PROFESSIONAL LOAN PROGR	1,788,672.66	1,760,041	0.13	2.75213	6/25/2033
MML MANAGED BOND FUND	FIXED INCOME	FLIR SYSTEMS INC	1,244,136.94	1,235,000	0.09	3.125	6/15/2021
MML MANAGED BOND FUND	FIXED INCOME	REINSURANCE GRP OF AMER	2,309,746.67	2,260,000	0.17	3.95	9/15/2026
MML MANAGED BOND FUND	FIXED INCOME	OXFORD FINANCE FUNDING TRUST	1,405,314.54	1,400,000	0.10	3.968	6/17/2024
MML MANAGED BOND FUND	FIXED INCOME	FNMA POOL AS1304	1,860,496.74	1,795,142	0.14	3.5	12/1/2028
MML MANAGED BOND FUND	FIXED INCOME	FED HM LN PC POOL Q41916	1,975,755.04	1,907,790	0.14	3.5	7/1/2046
MML MANAGED BOND FUND	FIXED INCOME	NAVIENT STUDENT LOAN TRUST	2,842,611.53	2,833,898	0.21	2.0275	2/25/2070
MML MANAGED BOND FUND	FIXED INCOME	SOCIAL PROFESSIONAL LOAN PROGR	562,768.47	570,000	0.04	2.36	12/27/2032
MML MANAGED BOND FUND	FIXED INCOME	FANNIE MAE CAS	2,893,956.27	2,878,255	0.21	2.90213	1/25/2029
MML MANAGED BOND FUND	FIXED INCOME	FIRST INVESTORS AUTO OWNER TRU	2,954,575.98	2,990,000	0.22	2.21	7/15/2022
MML MANAGED BOND FUND	FIXED INCOME	FREDDIE MAC STACR	797,457.36	790,000	0.06	2.90213	3/25/2029
MML MANAGED BOND FUND	FIXED INCOME	FREDDIE MAC STACR	510,221.54	509,538	0.04	2.35213	3/25/2029
MML MANAGED BOND FUND	FIXED INCOME	ALM LOAN FUNDING	2,641,869.14	2,620,000	0.19	2.83917	10/15/2028
MML MANAGED BOND FUND	FIXED INCOME	HERO FUNDING TRUST	1,616,447.38	1,637,884	0.12	3.08	9/20/2042
MML MANAGED BOND FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	2,382,117.61	2,526,478	0.17	1.57742	10/25/2040
MML MANAGED BOND FUND	FIXED INCOME	APIDOS CLO	772,370.83	770,000	0.06	2.82261	10/20/2028
MML MANAGED BOND FUND	FIXED INCOME	DRB PRIME STUDENT LOAN TRUST	4,638,111.10	4,592,189	0.34	3.46375	10/25/2044
MML MANAGED BOND FUND	FIXED INCOME	NAVIENT STUDENT LOAN TRUST	14,138,291.75	13,750,000	1.03	2.85213	3/25/2066
MML MANAGED BOND FUND	FIXED INCOME	EARNEST STUDENT LOAN PROGRAM L	1,740,244.92	1,758,902	0.13	2.72	1/25/2041
MML MANAGED BOND FUND	FIXED INCOME	GOODGREEN TRUST	2,771,219.80	2,778,499	0.20	3.23	10/15/2052
MML MANAGED BOND FUND	FIXED INCOME	FANNIE MAE CAS	2,343,622.16	2,320,712	0.17	2.85213	4/25/2029
MML MANAGED BOND FUND	FIXED INCOME	VELOCITY COMMERCIAL CAPITAL LO	1,781,976.84	1,782,146	0.13	2.99694	10/25/2046
MML MANAGED BOND FUND	FIXED INCOME	LAZARD GROUP LLC	1,250,409.55	1,253,000	0.09	3.625	3/1/2027
MML MANAGED BOND FUND	FIXED INCOME	FED HM LN PC POOL Q44275	1,598,633.16	1,543,641	0.12	3.5	11/1/2046
MML MANAGED BOND FUND	FIXED INCOME	FED HM LN PC POOL Q44277	458,711.76	444,071	0.03	3.5	11/1/2046
MML MANAGED BOND FUND	FIXED INCOME	SOCIAL PROFESSIONAL LOAN PROGR	1,600,451.73	1,610,000	0.12	2.49	1/25/2036

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML MANAGED BOND FUND	FIXED INCOME	SOFI CONSUMER LOAN PROGRAM TRU	7,086,277.61	7,068,678	0.52	3.06	9/25/2028
MML MANAGED BOND FUND	FIXED INCOME	NEW RESIDENTIAL ADVANCE RECEIV	2,986,641.00	3,000,000	0.22	3.1068	12/15/2050
MML MANAGED BOND FUND	FIXED INCOME	AVNET INC	410,825.50	405,000	0.03	3.75	12/1/2021
MML MANAGED BOND FUND	FIXED INCOME	LCM LTD PARTNERSHIP	3,068,450.70	3,030,000	0.22	2.76261	10/20/2029
MML MANAGED BOND FUND	FIXED INCOME	TREMAN PARK CLO LTD	1,752,906.75	1,750,000	0.13	2.73261	4/20/2027
MML MANAGED BOND FUND	FIXED INCOME	LABRADOR AVIATION FINANCE LIMI	2,702,244.83	2,658,438	0.20	4.3	1/15/2042
MML MANAGED BOND FUND	FIXED INCOME	ALTERNA FUNDING LLC	549,392.30	550,424	0.04	2.5	2/15/2024
MML MANAGED BOND FUND	FIXED INCOME	CONSUMER INSTALLMENT LOAN TRUS	464,512.19	463,404	0.03	3.96	7/15/2022
MML MANAGED BOND FUND	FIXED INCOME	PARK AEROSPACE HOLDINGS	2,111,718.75	2,125,000	0.15	5.25	8/15/2022
MML MANAGED BOND FUND	FIXED INCOME	PETROLEOS MEXICANOS	591,531.25	575,000	0.04	4.625	9/21/2023
MML MANAGED BOND FUND	FIXED INCOME	TECH DATA CORP	857,651.38	855,000	0.06	3.7	2/15/2022
MML MANAGED BOND FUND	FIXED INCOME	FNMA POOL BF0105	2,352,355.39	2,235,432	0.17	4	6/1/2056
MML MANAGED BOND FUND	FIXED INCOME	CROWN CASTLE INTL CORP	807,716.86	790,000	0.06	4	3/1/2027
MML MANAGED BOND FUND	FIXED INCOME	AT+T INC	1,369,622.90	1,295,000	0.10	5.25	3/1/2037
MML MANAGED BOND FUND	FIXED INCOME	AT+T INC	1,720,505.42	1,680,000	0.13	3.8	3/1/2024
MML MANAGED BOND FUND	FIXED INCOME	STANDARD INDUSTRIES INC	3,105,332.50	3,037,000	0.23	5	2/15/2027
MML MANAGED BOND FUND	FIXED INCOME	MPLX LP	268,869.48	245,000	0.02	5.2	3/1/2047
MML MANAGED BOND FUND	FIXED INCOME	SUTTONPARK STRUCTURED SETTLEME	2,021,278.54	2,025,793	0.15	4.19	1/15/2071
MML MANAGED BOND FUND	FIXED INCOME	RPM INTERNATIONAL INC	733,616.97	725,000	0.05	3.75	3/15/2027
MML MANAGED BOND FUND	FIXED INCOME	ENSTAR GROUP LTD	936,983.60	920,000	0.07	4.5	3/10/2022
MML MANAGED BOND FUND	FIXED INCOME	BROOKFIELD FINANCE LLC	3,136,736.99	3,030,000	0.23	4	4/1/2024
MML MANAGED BOND FUND	FIXED INCOME	HOST HOTELS + RESORTS LP	1,704,159.52	1,675,000	0.12	3.875	4/1/2024
MML MANAGED BOND FUND	FIXED INCOME	HUMANA INC	1,718,738.27	1,660,000	0.13	3.95	3/15/2027
MML MANAGED BOND FUND	FIXED INCOME	HUMANA INC	935,858.59	830,000	0.07	4.8	3/15/2047
MML MANAGED BOND FUND	FIXED INCOME	VERIZON COMMUNICATIONS	1,256,469.12	1,205,000	0.09	4.125	3/16/2027
MML MANAGED BOND FUND	FIXED INCOME	OSCAR US FUNDING TRUST	953,148.30	950,000	0.07	3.3	5/10/2024
MML MANAGED BOND FUND	FIXED INCOME	GENPACT LUXEMBOURG SARL	2,385,327.00	2,400,000	0.17	3.7	4/1/2022
MML MANAGED BOND FUND	FIXED INCOME	BANCO SANTANDER SA	1,866,041.39	1,800,000	0.14	4.25	4/11/2027
MML MANAGED BOND FUND	FIXED INCOME	SBA TOWER TRUST	1,921,202.10	1,930,000	0.14	3.168	4/9/2047
MML MANAGED BOND FUND	FIXED INCOME	NAVIENT STUDENT LOAN TRUST	2,565,333.75	2,500,000	0.19	2.60213	7/26/2066
MML MANAGED BOND FUND	FIXED INCOME	GLOBAL SC FINANCE SRL	1,768,965.40	1,741,347	0.13	3.85	4/15/2037
MML MANAGED BOND FUND	FIXED INCOME	BANK OF AMERICA CORP	1,762,362.16	1,625,000	0.13	4.244	4/24/2038
MML MANAGED BOND FUND	FIXED INCOME	FED HM LN PC POOL Q47742	1,485,816.60	1,404,664	0.11	4	4/1/2047
MML MANAGED BOND FUND	FIXED INCOME	MID AMERICA APARTMENTS	1,116,901.80	1,115,000	0.08	3.6	6/1/2027
MML MANAGED BOND FUND	FIXED INCOME	SHERWIN WILLIAMS CO	765,340.91	700,000	0.06	4.5	6/1/2047
MML MANAGED BOND FUND	FIXED INCOME	QUALCOMM INC	1,410,367.94	1,400,000	0.10	4.3	5/20/2047
MML MANAGED BOND FUND	FIXED INCOME	BECTON DICKINSON AND CO	1,629,539.80	1,625,000	0.12	3.363	6/6/2024
MML MANAGED BOND FUND	FIXED INCOME	BECTON DICKINSON AND CO	1,718,145.84	1,705,000	0.13	3.7	6/6/2027
MML MANAGED BOND FUND	FIXED INCOME	ARROW ELECTRONICS INC	982,047.01	985,000	0.07	3.875	1/12/2028
MML MANAGED BOND FUND	FIXED INCOME	TRITON CONTAINER FINANCE LLC	901,030.25	914,234	0.07	3.52	6/20/2042
MML MANAGED BOND FUND	FIXED INCOME	FED HM LN PC POOL Q48869	10,885,192.32	10,226,840	0.79	4.5	6/1/2047
MML MANAGED BOND FUND	FIXED INCOME	DOMINOS PIZZA MASTER ISSUER LL	794,693.66	778,050	0.06	4.118	7/25/2047
MML MANAGED BOND FUND	FIXED INCOME	BAIN CAPITAL CREDIT CLO, LIMIT	1,996,101.34	1,990,000	0.15	2.5644	7/20/2030
MML MANAGED BOND FUND	FIXED INCOME	SABINE PASS LIQUEFACTION	1,603,671.11	1,585,000	0.12	4.2	3/15/2028
MML MANAGED BOND FUND	FIXED INCOME	EDP FINANCE BV	2,683,985.46	2,665,000	0.20	3.625	7/15/2024
MML MANAGED BOND FUND	FIXED INCOME	LENDMARK FUNDING TRUST	1,266,680.47	1,270,000	0.09	2.83	12/22/2025
MML MANAGED BOND FUND	FIXED INCOME	MARLETTE FUNDING TRUST	1,001,992.90	1,000,000	0.07	3.19	7/15/2024
MML MANAGED BOND FUND	FIXED INCOME	ATHENE GLOBAL FUNDING	2,256,683.37	2,280,000	0.16	3	7/1/2022
MML MANAGED BOND FUND	FIXED INCOME	KINROSS GOLD CORP	1,026,375.00	1,020,000	0.07	4.5	7/15/2027
MML MANAGED BOND FUND	FIXED INCOME	NABORS INDUSTRIES INC	1,372,550.00	1,415,000	0.10	5.5	1/15/2023
MML MANAGED BOND FUND	FIXED INCOME	DXC TECHNOLOGY CO	612,967.36	610,000	0.04	2.875	3/27/2020
MML MANAGED BOND FUND	FIXED INCOME	DXC TECHNOLOGY CO	1,961,995.20	1,845,000	0.14	4.75	4/15/2027

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML MANAGED BOND FUND	FUTURE	US ULTRA BOND CBT MAR18	-	10,000,000	0.00	0	3/20/2018
MML MANAGED BOND FUND	FIXED INCOME	NAVIENT STUDENT LOAN TRUST	2,624,802.18	2,600,000	0.19	2.55213	9/27/2066
MML MANAGED BOND FUND	FUTURE	US 2YR NOTE (CBT) MAR18	-	63,600,000	0.00	0	3/29/2018
MML MANAGED BOND FUND	FUTURE	US 5YR NOTE (CBT) MAR18	-	111,900,000	0.04	0	3/29/2018
MML MANAGED BOND FUND	FIXED INCOME	CHURCH + DWIGHT CO INC	512,319.20	520,000	0.04	3.15	8/1/2027
MML MANAGED BOND FUND	FIXED INCOME	DAE FUNDING LLC	1,059,490.00	1,049,000	0.08	4	8/1/2020
MML MANAGED BOND FUND	FIXED INCOME	TRIP RAIL MASTER FUNDING LLC	802,460.44	810,000	0.06	3.736	8/15/2047
MML MANAGED BOND FUND	FIXED INCOME	CROWN CASTLE INTL CORP	1,588,357.95	1,605,000	0.12	3.2	9/1/2024
MML MANAGED BOND FUND	FIXED INCOME	DRB PRIME STUDENT LOAN TRUST	1,191,876.14	1,210,000	0.09	3.02	8/25/2042
MML MANAGED BOND FUND	FIXED INCOME	AT+T INC	1,847,261.03	1,835,000	0.13	3.9	8/14/2027
MML MANAGED BOND FUND	FIXED INCOME	AT+T INC	860,705.49	850,000	0.06	4.9	8/14/2037
MML MANAGED BOND FUND	FIXED INCOME	AT+T INC	2,015,294.29	2,005,000	0.15	3.4	8/14/2024
MML MANAGED BOND FUND	FIXED INCOME	KIMCO REALTY CORP	952,516.51	960,000	0.07	3.3	2/1/2025
MML MANAGED BOND FUND	FIXED INCOME	US TREASURY N/B	2,366,437.44	2,400,000	0.17	2.25	8/15/2027
MML MANAGED BOND FUND	FIXED INCOME	GENERAL MOTORS CO	852,922.89	800,000	0.06	5.15	4/1/2038
MML MANAGED BOND FUND	FIXED INCOME	GENERAL MOTORS CO	1,362,616.26	1,315,000	0.10	4.2	10/1/2027
MML MANAGED BOND FUND	FIXED INCOME	CENOVUS ENERGY INC	1,870,483.95	1,875,000	0.14	4.25	4/15/2027
MML MANAGED BOND FUND	FIXED INCOME	CNA FINANCIAL CORP	1,098,784.93	1,115,000	0.08	3.45	8/15/2027
MML MANAGED BOND FUND	FIXED INCOME	ARES CAPITAL CORP	3,054,033.67	3,100,000	0.22	3.5	2/10/2023
MML MANAGED BOND FUND	FIXED INCOME	FNMA POOL BH9008	364,449.68	348,196	0.03	4	8/1/2047
MML MANAGED BOND FUND	FIXED INCOME	AMAZON.COM INC	1,982,998.86	1,840,000	0.14	4.05	8/22/2047
MML MANAGED BOND FUND	FIXED INCOME	TRITON CONTAINER FINANCE LLC	3,331,272.68	3,327,725	0.24	3.62	8/20/2042
MML MANAGED BOND FUND	FIXED INCOME	IPALCO ENTERPRISES INC	1,059,036.92	1,060,000	0.08	3.7	9/1/2024
MML MANAGED BOND FUND	FIXED INCOME	US TREASURY N/B	12,874,641.12	13,200,000	0.94	1.625	8/31/2022
MML MANAGED BOND FUND	FIXED INCOME	ARROW ELECTRONICS INC	945,588.54	965,000	0.07	3.25	9/8/2024
MML MANAGED BOND FUND	FIXED INCOME	ANGLO AMERICAN CAPITAL	661,814.54	665,000	0.05	3.625	9/11/2024
MML MANAGED BOND FUND	FIXED INCOME	DISCOVERY COMMUNICATIONS	1,030,912.81	995,000	0.08	5	9/20/2037
MML MANAGED BOND FUND	CASH EQUIVALENT	WPP CP FINANCE PLC	4,989,745.00	5,000,000	0.36	0	2/9/2018
MML MANAGED BOND FUND	FIXED INCOME	PITNEY BOWES INC	836,550.00	845,000	0.06	3.625	9/15/2020
MML MANAGED BOND FUND	FIXED INCOME	PARK AEROSPACE HOLDINGS	1,480,250.00	1,550,000	0.11	4.5	3/15/2023
MML MANAGED BOND FUND	FIXED INCOME	SUNOCO LOGISTICS PARTNER	1,348,256.66	1,375,000	0.10	4	10/1/2027
MML MANAGED BOND FUND	FIXED INCOME	EQT CORP	3,066,897.56	3,085,000	0.22	3.9	10/1/2027
MML MANAGED BOND FUND	FIXED INCOME	GNMA II POOL MA4778	15,355,592.20	14,827,927	1.12	3.5	10/20/2047
MML MANAGED BOND FUND	FIXED INCOME	CLEVELAND ELECTRIC ILLUM	946,031.80	945,000	0.07	3.5	4/1/2028
MML MANAGED BOND FUND	FIXED INCOME	FNMA POOL MA3210	2,125,763.86	2,068,398	0.15	3.5	12/1/2047
MML MANAGED BOND FUND	FIXED INCOME	PLAINS ALL AMERICAN PIPE	2,341,482.50	2,345,000	0.17	6.125	12/31/2099
MML MANAGED BOND FUND	FIXED INCOME	BEAR STEARNS COMMERCIAL MORTGA	748,908.90	750,208	0.05	5.513	1/12/2045
MML MANAGED BOND FUND	FIXED INCOME	321 HENDERSON RECEIVABLES LLC	565,266.92	590,191	0.04	1.67703	3/15/2042
MML MANAGED BOND FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	247,000.00	247,000	0.02	0.5	3/15/2028
MML MANAGED BOND FUND	FIXED INCOME	FANNIE MAE BENCHMARK REMIC	746,722.87	692,179	0.05	5.5	6/25/2037
MML MANAGED BOND FUND	FIXED INCOME	FNMA POOL 888586	143,196.09	136,047	0.01	3.282	10/1/2034
MML MANAGED BOND FUND	FIXED INCOME	GSAMP TRUST	95,041.70	94,599	0.01	2.19713	4/25/2035
MML MANAGED BOND FUND	FIXED INCOME	MORGAN STANLEY CAPITAL I TRUST	1,396,868.93	1,325,000	0.10	5.2	6/15/2044
MML MANAGED BOND FUND	FIXED INCOME	FNMA POOL AR0306	16,031.01	15,940	0.00	3	1/1/2043
MML MANAGED BOND FUND	FIXED INCOME	FNMA POOL AP8668	225,894.77	224,614	0.02	3	12/1/2042
MML MANAGED BOND FUND	FIXED INCOME	FNMA POOL MA1368	309,526.88	307,772	0.02	3	3/1/2043
MML MANAGED BOND FUND	FIXED INCOME	ASHLAND LLC	335,220.00	302,000	0.02	6.875	5/15/2043
MML MANAGED BOND FUND	FIXED INCOME	VALLEY NATIONAL BANCORP	1,637,830.67	1,530,000	0.12	5.125	9/27/2023
MML MANAGED BOND FUND	FIXED INCOME	GLOBAL SC FINANCE SRL	931,830.19	947,375	0.07	3.67	11/17/2028
MML MANAGED BOND FUND	FIXED INCOME	HYUNDAI CAPITAL AMERICA	1,043,162.57	1,045,000	0.08	2.55	2/6/2019
MML MANAGED BOND FUND	FIXED INCOME	LEAR CORP	565,894.70	535,000	0.04	5.375	3/15/2024
MML MANAGED BOND FUND	FIXED INCOME	FREDDIE MAC	1,811,917.88	1,766,814	0.13	3.5	12/15/2038

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML MANAGED BOND FUND	FIXED INCOME	TURKIYE GARANTI BANKASI	3,055,210.20	3,010,000	0.22	4.75	10/17/2019
MML MANAGED BOND FUND	FIXED INCOME	FS INVESTMENT CORP	2,479,043.72	2,450,000	0.18	4	7/15/2019
MML MANAGED BOND FUND	FIXED INCOME	FREDDIE MAC	1,580,477.35	1,433,354	0.12	5.5	5/15/2033
MML MANAGED BOND FUND	FIXED INCOME	GLOBAL SC FINANCE SRL	326,777.05	329,167	0.02	3.19	7/17/2029
MML MANAGED BOND FUND	FIXED INCOME	FREDDIE MAC	2,654,660.85	2,619,540	0.19	3	8/15/2043
MML MANAGED BOND FUND	FIXED INCOME	FANNIE MAE	2,513,440.28	2,422,568	0.18	4	10/25/2040
MML MANAGED BOND FUND	FIXED INCOME	CFC LLC	84,277.41	84,342	0.01	1.44	11/16/2020
MML MANAGED BOND FUND	FIXED INCOME	FANNIE MAE	1,376,553.03	1,331,858	0.10	3.5	5/25/2025
MML MANAGED BOND FUND	FIXED INCOME	ORANGE LAKE TIMESHARE TRUST	233,567.51	236,866	0.02	2.29	7/9/2029
MML MANAGED BOND FUND	FIXED INCOME	SPIRE INC	2,042,672.85	1,840,000	0.15	4.7	8/15/2044
MML MANAGED BOND FUND	FIXED INCOME	MIRAMAX LLC	971,112.85	970,320	0.07	3.34	7/20/2026
MML MANAGED BOND FUND	FIXED INCOME	SOUTH CAROLINA STUDENT LOAN CO	2,969,695.03	3,050,000	0.22	2.86069	8/1/2035
MML MANAGED BOND FUND	FIXED INCOME	BROWN + BROWN INC	478,008.99	456,000	0.03	4.2	9/15/2024
MML MANAGED BOND FUND	FIXED INCOME	ARES FINANCE CO LLC	2,000,856.42	2,080,000	0.15	4	10/8/2024
MML MANAGED BOND FUND	FIXED INCOME	NATIONS EQUIPMENT FINANCE FUND	13,720.34	13,727	0.00	1.558	7/20/2018
MML MANAGED BOND FUND	FIXED INCOME	CELGENE CORP	2,328,263.54	2,330,000	0.17	3.45	11/15/2027
MML MANAGED BOND FUND	FIXED INCOME	CELGENE CORP	1,963,198.34	1,890,000	0.14	4.35	11/15/2047
MML MANAGED BOND FUND	FIXED INCOME	GENERAL MOTORS FINL CO	1,921,065.97	1,925,000	0.14	3.5	11/7/2024
MML MANAGED BOND FUND	FIXED INCOME	FNMA POOL CA0770	15,256,217.06	14,844,513	1.11	3.5	11/1/2047
MML MANAGED BOND FUND	FIXED INCOME	STEELE CREEK CLO LTD	660,251.46	660,000	0.05	2.8841	1/15/2030
MML MANAGED BOND FUND	FIXED INCOME	MOSAIC CO	1,139,939.90	1,150,000	0.08	3.25	11/15/2022
MML MANAGED BOND FUND	FIXED INCOME	WAVE 2017 1 LLC	2,727,074.19	2,727,156	0.20	6.656	11/15/2042
MML MANAGED BOND FUND	CASH EQUIVALENT	MARRIOTT INTERNATIONAL	7,393,643.40	7,400,000	0.54	0	1/16/2018
MML MANAGED BOND FUND	FIXED INCOME	ENERGY TRANSFER PARTNERS	2,301,862.50	2,370,000	0.17	6.25	12/31/2099
MML MANAGED BOND FUND	FIXED INCOME	MARBLE POINT CLO XI LTD	1,200,475.20	1,200,000	0.09	2.79331	12/18/2030
MML MANAGED BOND FUND	FIXED INCOME	FED HM LN PC POOL V83655	11,773,062.38	11,454,485	0.86	3.5	12/1/2047
MML MANAGED BOND FUND	CASH EQUIVALENT	MOLEX ELECTRONIC TECHNOLOGIES	6,798,587.84	6,800,000	0.50	0	1/2/2018
MML MANAGED BOND FUND	FIXED INCOME	ANDEAVOR LOGIS LP/CORP	449,146.25	450,000	0.03	3.5	12/1/2022
MML MANAGED BOND FUND	CASH EQUIVALENT	ENTERPRISE PRODS OPER LLC	1,998,085.56	2,000,000	0.15	0	1/18/2018
MML MANAGED BOND FUND	CASH EQUIVALENT	HYUNDAI CAPITAL AMERICA	8,991,825.21	9,000,000	0.66	0	1/17/2018
MML MANAGED BOND FUND	FIXED INCOME	ANDEAVOR LOGISTICS LP	1,568,484.00	1,545,000	0.11	6.875	12/31/2099
MML MANAGED BOND FUND	FIXED INCOME	AXIS SPECIALTY FINAN PLC	1,632,327.82	1,625,000	0.12	4	12/6/2027
MML MANAGED BOND FUND	FIXED INCOME	CONTINENTAL RESOURCES	1,552,865.60	1,573,000	0.11	4.375	1/15/2028
MML MANAGED BOND FUND	FIXED INCOME	INFRASTRUCTURA ENERGETI	808,930.00	820,000	0.06	3.75	1/14/2028
MML MANAGED BOND FUND	FIXED INCOME	FED HM LN PC POOL Q52834	1,645,249.63	1,570,000	0.12	4	12/1/2047
MML MANAGED BOND FUND	FIXED INCOME	ANDEAVOR	806,924.22	805,000	0.06	3.8	4/1/2028
MML MANAGED BOND FUND	FIXED INCOME	ANDEAVOR	515,779.35	510,000	0.04	4.5	4/1/2048
MML MANAGED BOND FUND	FIXED INCOME	GNMA POOL BF1053	1,839,135.72	1,775,000	0.13	3.5	12/15/2047
MML MANAGED BOND FUND	CASH EQUIVALENT	AMEREN CORP	8,197,709.49	8,200,000	0.60	0	1/4/2018
MML MANAGED BOND FUND	CASH EQUIVALENT	EURO TIME DEPOSIT (USD)	177,528.71	177,529	0.01	0.000003	1/2/2018
MML MANAGED BOND FUND	FIXED INCOME	NAVIENT STUDENT LOAN TRUST	2,919,108.30	3,000,000	0.21	2.0775	2/25/2039
MML MANAGED BOND FUND	FIXED INCOME	GNMA POOL 783896	5,177,447.49	4,982,619	0.38	3.5	5/15/2044
MML MANAGED BOND FUND	FIXED INCOME	AMTRUST FINANCIAL SERVIC	2,910,315.00	3,030,000	0.21	6.125	8/15/2023
MML MANAGED BOND FUND	FIXED INCOME	EL PUERTO DE LIVERPOOL	2,633,100.00	2,620,000	0.19	3.95	10/2/2024
MML MANAGED BOND FUND	FIXED INCOME	321 HENDERSON RECEIVABLES LLC	1,211,772.61	1,227,142	0.09	3.26	9/15/2072
MML MANAGED BOND FUND	FIXED INCOME	EDUCATIONAL SERVICES OF AMERIC	963,229.19	1,100,000	0.07	3.05213	10/25/2056
MML MANAGED BOND FUND	FIXED INCOME	NAVIENT STUDENT LOAN TRUST	939,998.78	940,000	0.07	2.8275	10/25/2058
MML MANAGED BOND FUND	FIXED INCOME	BM1047877 CDS USD R F 3.00000	2,731,779.52	3,200,000	0.20	3	11/17/2045
MML MANAGED BOND FUND	FIXED INCOME	BM1047877 CDS USD P V 01MEVENT	(3,200,000.00)	(3,200,000)	0.23	1	11/17/2045
MML MANAGED BOND FUND	FIXED INCOME	HELMERICH + PAYNE INTL	984,227.10	935,000	0.07	4.65	3/15/2025
MML MANAGED BOND FUND	FIXED INCOME	SBA TOWER TRUST	1,209,000.00	1,200,000	0.09	3.156	10/10/2045
MML MANAGED BOND FUND	FIXED INCOME	BM1058585 CDS USD R F 3.00000	2,168,349.99	2,540,000	0.16	3	5/11/2063

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML MANAGED BOND FUND	FIXED INCOME	BM1058585 CDS USD P V 01MEVENT	(2,540,000.00)	(2,540,000)	0.19	1	5/11/2063
MML MANAGED BOND FUND	FIXED INCOME	BM1058676 CDS USD R F 3.00000	785,386.61	920,000	0.06	3	5/11/2063
MML MANAGED BOND FUND	FIXED INCOME	BM1058676 CDS USD P V 01MEVENT	(920,000.00)	(920,000)	0.07	1	5/11/2063
MML MANAGED BOND FUND	FIXED INCOME	FED HM LN PC POOL C03537	1,254,453.71	1,166,934	0.09	4.5	8/1/2040
MML MANAGED BOND FUND	FIXED INCOME	EARNST STUDENT LOAN PROGRAM L	1,234,856.63	1,241,118	0.09	3.02	5/25/2034
MML MANAGED BOND FUND	FIXED INCOME	DRB PRIME STUDENT LOAN TRUST	1,684,984.11	1,681,476	0.12	2.89	6/25/2040
MML MANAGED BOND FUND	FIXED INCOME	SOCIAL PROFESSIONAL LOAN PROGR	2,274,360.29	2,300,000	0.17	2.74	10/25/2032
MML MANAGED BOND FUND	FIXED INCOME	SOFI CONSUMER LOAN PROGRAM TRU	3,268,657.96	3,249,696	0.24	3.26	8/25/2025
MML MANAGED BOND FUND	FIXED INCOME	EARNST STUDENT LOAN PROGRAM L	2,801,669.17	2,759,276	0.20	3.40213	10/27/2036
MML MANAGED BOND FUND	FIXED INCOME	HERO FUNDING TRUST	1,829,232.44	1,799,946	0.13	3.57	9/20/2047
MML MANAGED BOND FUND	FIXED INCOME	MOSAIC SOLAR LOANS LLC	568,311.48	556,998	0.04	4.45	6/20/2042
MML MANAGED BOND FUND	FIXED INCOME	DISCOVER FINANCIAL SVS	1,792,579.86	1,750,000	0.13	4.1	2/9/2027
MML MANAGED BOND FUND	FIXED INCOME	NAVIENT STUDENT LOAN TRUST	6,142,770.60	6,000,000	0.45	2.70213	7/26/2066
MML MANAGED BOND FUND	FIXED INCOME	BIRCHWOOD PARK CLO LTD	2,187,268.12	2,180,000	0.16	2.53917	7/15/2026
MML MANAGED BOND FUND	FIXED INCOME	SYMPHONY CLO LTD	2,908,569.50	2,900,000	0.21	2.53333	10/17/2026
MML MANAGED BOND FUND	FIXED INCOME	JP MORGAN MORTGAGE TRUST	3,358,044.86	3,338,137	0.24	3.5	1/25/2047
MML MANAGED BOND FUND	FIXED INCOME	SOFI CONSUMER LOAN PROGRAM TRU	2,699,820.96	2,682,667	0.20	3.28	2/25/2026
MML MANAGED BOND FUND	FIXED INCOME	ECMC GROUP STUDENT LOAN TRUST	3,100,252.66	3,064,931	0.23	2.75213	12/27/2066
MML MANAGED BOND FUND	FIXED INCOME	NEUBERGER BERMAN GRP/FIN	1,209,570.44	1,150,000	0.09	4.5	3/15/2027
MML MANAGED BOND FUND	FIXED INCOME	FULTON FINANCIAL CORP	1,571,226.90	1,565,000	0.11	3.6	3/16/2022
MML MANAGED BOND FUND	FIXED INCOME	WESTGATE RESORTS	1,460,991.14	1,463,739	0.11	3.05	12/20/2030
MML MANAGED BOND FUND	FIXED INCOME	CAPITAL AUTOMOTIVE REIT	1,009,209.69	993,333	0.07	4.18	4/15/2047
MML MANAGED BOND FUND	FIXED INCOME	TAL ADVANTAGE LLC	2,605,072.87	2,540,244	0.19	4.5	4/20/2042
MML MANAGED BOND FUND	FIXED INCOME	BRE GRAND ISLANDER TIMESHARE I	1,134,184.75	1,146,498	0.08	2.94	5/25/2029
MML MANAGED BOND FUND	FIXED INCOME	ALM LOAN FUNDING	2,455,002.90	2,450,000	0.18	2.52796	7/28/2026
MML MANAGED BOND FUND	FIXED INCOME	HELIOS ISSUER, LLC	1,753,554.60	1,711,284	0.13	4.94	9/20/2049
MML MANAGED BOND FUND	FIXED INCOME	SOCIAL PROFESSIONAL LOAN PROGR	2,400,000.00	1,200	0.17	0	3/25/2033
MML MANAGED BOND FUND	FIXED INCOME	GOODGREEN TRUST	1,267,188.26	1,276,156	0.09	3.74	10/15/2052
MML MANAGED BOND FUND	FIXED INCOME	FED HM LN PC POOL Q47730	1,769,029.23	1,672,409	0.13	4	4/1/2047
MML MANAGED BOND FUND	FIXED INCOME	AVERY POINT CLO LTD	1,253,235.00	1,250,000	0.09	2.47389	1/18/2025
MML MANAGED BOND FUND	FIXED INCOME	FED HM LN PC POOL Q48208	1,223,768.78	1,146,891	0.09	4.5	5/1/2047
MML MANAGED BOND FUND	FIXED INCOME	SOCIAL PROFESSIONAL LOAN PROGR	953,380.99	990,000	0.07	4.21	7/25/2040
MML MANAGED BOND FUND	FIXED INCOME	OPORTUN FUNDING LLC	1,870,602.26	1,880,000	0.14	3.23	6/8/2023
MML MANAGED BOND FUND	FIXED INCOME	UDR INC	1,434,668.01	1,435,000	0.10	3.5	7/1/2027
MML MANAGED BOND FUND	FIXED INCOME	SOCIAL PROFESSIONAL LOAN PROGR	2,653,222.15	4,688,500	0.19	0.01	9/25/2040
MML MANAGED BOND FUND	FIXED INCOME	TRIP RAIL MASTER FUNDING LLC	593,181.38	595,509	0.04	2.709	8/15/2047
MML MANAGED BOND FUND	FIXED INCOME	CARLYLE GLOBAL MARKET STRATEGI	4,016,188.00	4,000,000	0.29	2.63289	8/14/2030
MML MANAGED BOND FUND	FIXED INCOME	HERO FUNDING TRUST	485,217.77	487,153	0.04	3.28	9/20/2048
MML MANAGED BOND FUND	FIXED INCOME	HERO FUNDING TRUST	399,415.96	391,659	0.03	4.07	9/20/2048
MML MANAGED BOND FUND	FIXED INCOME	FNMA POOL CA0185	6,088,615.70	5,704,665	0.44	4.5	8/1/2047
MML MANAGED BOND FUND	FIXED INCOME	FNMA POOL CA0181	10,925,793.74	10,438,526	0.80	4	8/1/2047
MML MANAGED BOND FUND	FIXED INCOME	SHERWIN WILLIAMS CO	336,762.19	315,000	0.02	7.25	6/15/2019
MML MANAGED BOND FUND	FIXED INCOME	TCP CAPITAL CORP	2,824,805.25	2,870,000	0.21	4.125	8/11/2022
MML MANAGED BOND FUND	FIXED INCOME	MVW OWNER TRUST	476,254.59	480,647	0.03	2.42	12/20/2034
MML MANAGED BOND FUND	FIXED INCOME	FNMA POOL BH9011	364,804.18	348,535	0.03	4	9/1/2047
MML MANAGED BOND FUND	FIXED INCOME	NAVIENT STUDENT LOAN TRUST	2,075,424.85	2,068,297	0.15	2.35213	7/26/2066
MML MANAGED BOND FUND	FIXED INCOME	CBAM CLO MANAGEMENT	3,513,538.08	3,510,000	0.26	2.5989	10/17/2029
MML MANAGED BOND FUND	FIXED INCOME	FNMA POOL BHS155	15,941,512.36	15,513,675	1.16	3.5	9/1/2047
MML MANAGED BOND FUND	FIXED INCOME	GNMA II POOL BC4641	2,885,496.65	2,787,183	0.21	3.5	9/20/2047
MML MANAGED BOND FUND	FIXED INCOME	CLEAR CREEK CLO LTD	2,053,823.04	2,040,000	0.15	2.56261	10/20/2030
MML MANAGED BOND FUND	FIXED INCOME	PHILLIPS 66 PARTNERS LP	830,379.12	830,000	0.06	3.75	3/1/2028
MML MANAGED BOND FUND	CASH EQUIVALENT	GLENCORE FUNDING LLC	5,196,906.00	5,200,000	0.38	0	1/10/2018

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML MANAGED BOND FUND	FIXED INCOME	GNMA II POOL AC2985	888,240.42	847,678	0.06	4	10/20/2047
MML MANAGED BOND FUND	FIXED INCOME	HERCULES CAPITAL INC	2,950,559.73	2,910,000	0.22	4.625	10/23/2022
MML MANAGED BOND FUND	CASH EQUIVALENT	NASDAQ INC	6,294,039.51	6,300,000	0.46	0	1/18/2018
MML MANAGED BOND FUND	CASH EQUIVALENT	NASDAQ INC	3,690,494.59	3,700,000	0.27	0	2/20/2018
MML MANAGED BOND FUND	CASH EQUIVALENT	DOMINION RESOURCES	7,998,516.48	8,000,000	0.58	0	1/2/2018
MML MANAGED BOND FUND	FIXED INCOME	GNMA II POOL BC4885	4,348,081.39	4,193,290	0.32	3.5	11/20/2047
MML MANAGED BOND FUND	FIXED INCOME	WAVE 2017 1 LLC	4,042,487.43	4,034,016	0.29	3.844	11/15/2042
MML MANAGED BOND FUND	FIXED INCOME	MOSAIC CO	1,173,067.35	1,170,000	0.09	4.05	11/15/2027
MML MANAGED BOND FUND	CASH EQUIVALENT	ENTERGY CORPORATION	1,998,614.78	2,000,000	0.15	0	1/11/2018
MML MANAGED BOND FUND	FIXED INCOME	FED HM LN PC POOL Q52216	3,863,431.99	3,758,888	0.28	3.5	11/1/2047
MML MANAGED BOND FUND	CASH EQUIVALENT	THOMSON REUTERS CORP	10,974,826.50	11,000,000	0.80	0	2/13/2018
MML MANAGED BOND FUND	FIXED INCOME	NP SPE II LLC	2,298,666.34	2,260,000	0.17	4.219	10/21/2047
MML MANAGED BOND FUND	CASH EQUIVALENT	TRANSCANADA PIPELINES LTD	3,997,928.32	4,000,000	0.29	0	1/9/2018
MML MANAGED BOND FUND	FIXED INCOME	FED HM LN PC POOL V83763	13,937,517.60	13,560,370	1.02	3.5	12/1/2047
MML MANAGED BOND FUND	FIXED INCOME	FED HM LN PC POOL V83764	11,091,193.49	10,565,007	0.81	4	12/1/2047
MML MANAGED BOND FUND	FIXED INCOME	HERO FUNDING TRUST	1,566,913.19	1,571,201	0.11	3.19	9/20/2048
MML MANAGED BOND FUND	CASH EQUIVALENT	BELL CANADA	6,579,517.30	6,600,000	0.48	0	3/1/2018
MML MANAGED BOND FUND	CASH EQUIVALENT	CENTERPOINT ENGY INC	3,887,287.29	3,900,000	0.28	0	3/5/2018
MML MANAGED BOND FUND	FIXED INCOME	BANK OF MONTREAL	1,487,888.15	1,505,000	0.11	3.803	12/15/2032
MML MANAGED BOND FUND	FIXED INCOME	FED HM LN PC POOL Q52868	5,987,007.81	5,825,000	0.44	3.5	12/1/2047
MML MANAGED BOND FUND	FIXED INCOME	FED HM LN PC POOL V83796	18,050,589.08	17,225,000	1.32	4	12/1/2047
MML MANAGED BOND FUND	CASH EQUIVALENT	CARNIVAL CORP	11,955,249.96	12,000,000	0.87	0	3/14/2018
MML MANAGED BOND FUND	OPTIONS	BM1106210 SWAPTION	1,590,497.60	32,720,000	0.12	0	12/13/2032
MML MANAGED BOND FUND	CASH EQUIVALENT	SPECTRA ENERGY PARTNERS	3,495,427.25	3,500,000	0.25	0	1/25/2018
MML MANAGED BOND FUND	FIXED INCOME	GNMA II POOL BD6940	2,743,888.71	2,650,000	0.20	3.5	12/20/2047
MML MANAGED BOND FUND	CASH EQUIVALENT	ENBRIDGE (US) INC	2,987,543.07	3,000,000	0.22	0	3/22/2018
MML MANAGED BOND FUND	CASH EQUIVALENT	PUBLIC SEVC. ENT. GR	1,994,803.06	2,000,000	0.15	0	2/20/2018
MML MANAGED BOND FUND	FIXED INCOME	EDLINC STUDENT LOAN FUNDING TR	3,773,574.80	3,800,000	0.28	1	12/1/2047
MML MANAGED BOND FUND	CASH EQUIVALENT	AMERICAN ELEC PWR INC	1,998,770.06	2,000,000	0.15	0	1/11/2018
MML MANAGED BOND FUND	OPTIONS	BM1105949 SWAPTION	3,148,073.86	66,610,000	0.23	0	12/13/2032
MML MANAGED BOND FUND	CASH EQUIVALENT	TELUS CORP	995,635.50	1,000,000	0.07	0	3/26/2018
MML MANAGED BOND FUND	FIXED INCOME	SOCIAL PROFESSIONAL LOAN PROGR	1,198,356.83	1,220,000	0.09	3.44	3/26/2040
MML MANAGED BOND FUND	FIXED INCOME	RACE POINT CLO LTD	705,299.70	700,000	0.05	2.77567	2/20/2030
MML MANAGED BOND FUND	CASH EQUIVALENT	HYUNDAI CAPITAL AMERICA	1,999,441.34	2,000,000	0.15	0	1/4/2018
MML MANAGED BOND FUND	CASH EQUIVALENT	DOMINION RESOURCES	2,984,639.58	3,000,000	0.22	0	4/9/2018
MML MANAGED BOND FUND	FIXED INCOME	CIFC FUNDING LTD	2,330,766.57	2,330,000	0.17	2.54287	11/16/2030
MML MANAGED BOND FUND	CASH EQUIVALENT	FORTIVE CORPORATION	9,991,410.00	10,000,000	0.73	0	1/16/2018
MML MANAGED BOND FUND	CASH EQUIVALENT	NASDAQ INC	1,997,517.00	2,000,000	0.15	0	1/24/2018
MML MANAGED BOND FUND	CASH EQUIVALENT	GLENORE FUNDING LLC	6,741,374.99	6,750,000	0.49	0	1/23/2018
MML US GOVERNMENT MONEY MARKET FUND	CASH EQUIVALENT	FED HOME LN DISCOUNT NT	9,973,600.00	10,000,000	6.66	0	3/14/2018
MML US GOVERNMENT MONEY MARKET FUND	CASH EQUIVALENT	FED HOME LN DISCOUNT NT	2,429,829.90	2,430,000	1.62	0	1/3/2018
MML US GOVERNMENT MONEY MARKET FUND	CASH EQUIVALENT	FED HOME LN DISCOUNT NT	1,549,814.00	1,550,000	1.04	0.01	1/5/2018
MML US GOVERNMENT MONEY MARKET FUND	CASH EQUIVALENT	FED HOME LN DISCOUNT NT	2,498,412.50	2,500,000	1.67	0	1/19/2018
MML US GOVERNMENT MONEY MARKET FUND	CASH EQUIVALENT	FED FARM CRD DISCOUNT NT	448,727.63	450,000	0.30	1.17	3/29/2018
MML US GOVERNMENT MONEY MARKET FUND	CASH EQUIVALENT	FREDDIE MAC	1,100,497.64	1,100,000	0.74	1.54263	3/8/2018
MML US GOVERNMENT MONEY MARKET FUND	CASH EQUIVALENT	FEDERAL HOME LOAN BANK	12,001,628.87	12,000,000	8.02	1.302	2/26/2018
MML US GOVERNMENT MONEY MARKET FUND	CASH EQUIVALENT	FEDERAL HOME LOAN BANK	13,999,936.54	14,000,000	9.35	1.387	1/25/2018
MML US GOVERNMENT MONEY MARKET FUND	CASH EQUIVALENT	FEDERAL HOME LOAN BANK	2,000,000.00	2,000,000	1.34	1.322	10/11/2018
MML US GOVERNMENT MONEY MARKET FUND	CASH EQUIVALENT	FEDERAL HOME LOAN BANK	8,000,000.00	8,000,000	5.35	1.371	7/20/2018
MML US GOVERNMENT MONEY MARKET FUND	CASH EQUIVALENT	FEDERAL HOME LOAN BANK	16,402,825.86	16,400,000	10.96	1.42	3/16/2018
MML US GOVERNMENT MONEY MARKET FUND	CASH EQUIVALENT	FEDERAL HOME LOAN BANK	8,000,007.76	8,000,000	5.35	1.262	8/8/2018
MML US GOVERNMENT MONEY MARKET FUND	CASH EQUIVALENT	2018-01-02 1.35%	20,000,000.00	20,000,000	13.36	1.35	1/2/2018

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML US GOVERNMENT MONEY MARKET FUND	CASH EQUIVALENT	FEDERAL HOME LOAN BANK	5,000,850.87	5,000,000	3.34	1.338	3/6/2018
MML US GOVERNMENT MONEY MARKET FUND	CASH EQUIVALENT	FEDERAL HOME LOAN BANK	3,999,334.10	4,000,000	2.67	1.023	2/9/2018
MML US GOVERNMENT MONEY MARKET FUND	CASH EQUIVALENT	FEDERAL FARM CREDIT BANK	3,001,549.16	3,000,000	2.01	1.54078	4/16/2018
MML US GOVERNMENT MONEY MARKET FUND	CASH EQUIVALENT	FEDERAL HOME LOAN BANK	4,999,987.75	5,000,000	3.34	1.387	1/23/2018
MML US GOVERNMENT MONEY MARKET FUND	CASH EQUIVALENT	FED HOME LN DISCOUNT NT	369,866.59	370,000	0.25	0	1/12/2018
MML US GOVERNMENT MONEY MARKET FUND	CASH EQUIVALENT	FED HOME LN DISCOUNT NT	2,998,412.50	3,000,000	2.00	0	1/16/2018
MML US GOVERNMENT MONEY MARKET FUND	CASH EQUIVALENT	FED HOME LN DISCOUNT NT	1,615,391.55	1,620,000	1.08	0	3/19/2018
MML US GOVERNMENT MONEY MARKET FUND	CASH EQUIVALENT	FED HOME LN DISCOUNT NT	2,699,909.19	2,700,000	1.80	0	1/2/2018
MML US GOVERNMENT MONEY MARKET FUND	CASH EQUIVALENT	FED HOME LN DISCOUNT NT	798,497.78	800,000	0.53	0	2/22/2018
MML US GOVERNMENT MONEY MARKET FUND	CASH EQUIVALENT	FED HOME LN DISCOUNT NT	1,799,498.25	1,800,000	1.20	1.115	1/10/2018
MML US GOVERNMENT MONEY MARKET FUND	CASH EQUIVALENT	FED HOME LN DISCOUNT NT	898,768.00	900,000	0.60	1.12	2/14/2018
MML US GOVERNMENT MONEY MARKET FUND	CASH EQUIVALENT	FED HOME LN DISCOUNT NT	3,995,750.00	4,000,000	2.67	0	1/31/2018
MML US GOVERNMENT MONEY MARKET FUND	CASH EQUIVALENT	FEDERAL HOME LOAN BANK	5,000,336.13	5,000,000	3.34	1.452	12/27/2018
MML US GOVERNMENT MONEY MARKET FUND	CASH EQUIVALENT	FEDERAL HOME LOAN BANK	4,999,723.90	5,000,000	3.34	1.371	8/20/2018
MML US GOVERNMENT MONEY MARKET FUND	CASH EQUIVALENT	EURO TIME DEPOSIT (USD)	87,793.74	87,794	0.06	0.000003	1/2/2018
MML US GOVERNMENT MONEY MARKET FUND	CASH EQUIVALENT	FED HOME LN DISCOUNT NT	2,996,693.33	3,000,000	2.00	0	2/1/2018
MML US GOVERNMENT MONEY MARKET FUND	CASH EQUIVALENT	FED HOME LN DISCOUNT NT	997,962.22	1,000,000	0.67	0	2/26/2018
MML US GOVERNMENT MONEY MARKET FUND	CASH EQUIVALENT	FED HOME LN DISCOUNT NT	4,990,756.25	5,000,000	3.33	0	2/21/2018
MML BLEND FUND	EQUITY	MEDTRONIC PLC	2,931,225.00	36,300	0.60		
MML BLEND FUND	EQUITY	SAFeway PDC LLC CVR	940.00	18,800	0.00		
MML BLEND FUND	EQUITY	SAFeway CASA LEY CVR	18,988.00	18,800	0.00		
MML BLEND FUND	EQUITY	EVERSOURCE ENERGY	51,302.16	812	0.01		
MML BLEND FUND	EQUITY	MYLAN NV	1,364,370.57	32,247	0.28		
MML BLEND FUND	EQUITY	ALLERGAN PLC	1,601,448.20	9,790	0.33		
MML BLEND FUND	EQUITY	WESTROCK CO	579,446.07	9,167	0.12		
MML BLEND FUND	EQUITY	WEC ENERGY GROUP INC	301,725.06	4,542	0.06		
MML BLEND FUND	EQUITY	KRAFT HEINZ CO/THE	385,534.08	4,958	0.08		
MML BLEND FUND	EQUITY	PAYPAL HOLDINGS INC	2,273,164.74	30,877	0.47		
MML BLEND FUND	EQUITY	WELLTOWER INC	133,917.00	2,100	0.03		
MML BLEND FUND	EQUITY	ALPHABET INC CL C	6,896,822.40	6,591	1.41		
MML BLEND FUND	EQUITY	ALPHABET INC CL A	11,608,468.00	11,020	2.38		
MML BLEND FUND	EQUITY	HEWLETT PACKARD ENTERPRISE	966,054.64	67,274	0.20		
MML BLEND FUND	EQUITY	HP INC	446,966.74	21,274	0.09		
MML BLEND FUND	EQUITY	CSRA INC	93,529.92	3,126	0.02		
MML BLEND FUND	EQUITY	CHUBB LTD	1,105,911.84	7,568	0.23		
MML BLEND FUND	EQUITY	BROADCOM LTD	56,261.10	219	0.01		
MML BLEND FUND	EQUITY	DENTSPLY SIRONA INC	3,686.48	56	0.00		
MML BLEND FUND	EQUITY	S+P GLOBAL INC	933,055.20	5,508	0.19		
MML BLEND FUND	EQUITY	CHARTER COMMUNICATIONS INC A	134,719.96	401	0.03		
MML BLEND FUND	EQUITY	FORTIVE CORP	425,273.30	5,878	0.09		
MML BLEND FUND	EQUITY	XL GROUP LTD	133,186.08	3,788	0.03		
MML BLEND FUND	EQUITY	JOHNSON CONTROLS INTERNATION	2,477.15	65	0.00		
MML BLEND FUND	EQUITY	ARCONIC INC	218.00	8	0.00		
MML BLEND FUND	EQUITY	L3 TECHNOLOGIES INC	191,914.50	970	0.04		
MML BLEND FUND	EQUITY	HILTON WORLDWIDE HOLDINGS IN	1,014,222.00	12,700	0.21		
MML BLEND FUND	EQUITY	TECHNIPFMC PLC	261,125.40	8,340	0.05		
MML BLEND FUND	EQUITY	GGP INC	460,783.00	19,700	0.09		
MML BLEND FUND	EQUITY	DXC TECHNOLOGY CO	1,611,307.10	16,979	0.33		
MML BLEND FUND	EQUITY	XEROX CORP	1,615,959.40	55,436	0.33		
MML BLEND FUND	EQUITY	BAKER HUGHES A GE CO	980.84	31	0.00		
MML BLEND FUND	EQUITY	BRIGHTHOUSE FINANCIAL INC	1,524.64	26	0.00		
MML BLEND FUND	EQUITY	ANDEAVOR	287,793.78	2,517	0.06		

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML BLEND FUND	EQUITY	DOWDUPONT INC	200,840.40	2,820	0.04		
MML BLEND FUND	EQUITY	TAPESTRY INC	275,110.60	6,220	0.06		
MML BLEND FUND	EQUITY	DELPHI TECHNOLOGIES PLC	162,657.00	3,100	0.03		
MML BLEND FUND	EQUITY	APTIV PLC	788,919.00	9,300	0.16		
MML BLEND FUND	EQUITY	CITIZENS FINANCIAL GROUP	2,430,642.00	57,900	0.50		
MML BLEND FUND	EQUITY	FREEPORT MCMORAN INC	1,343,581.44	70,864	0.27		
MML BLEND FUND	EQUITY	LINCOLN NATIONAL CORP	2,371,516.37	30,851	0.49		
MML BLEND FUND	EQUITY	RANGE RESOURCES CORP	1,688.94	99	0.00		
MML BLEND FUND	EQUITY	CAPITAL ONE FINANCIAL CORP	910,360.36	9,142	0.19		
MML BLEND FUND	EQUITY	ANADARKO PETROLEUM CORP	2,574.72	48	0.00		
MML BLEND FUND	EQUITY	TIFFANY + CO	83,367.90	802	0.02		
MML BLEND FUND	EQUITY	AFLAC INC	1,270,352.16	14,472	0.26		
MML BLEND FUND	EQUITY	RAYMOND JAMES FINANCIAL INC	437,570.00	4,900	0.09		
MML BLEND FUND	EQUITY	MOODY S CORP	491,541.30	3,330	0.10		
MML BLEND FUND	EQUITY	NOBLE ENERGY INC	1,631.84	56	0.00		
MML BLEND FUND	EQUITY	DISCOVERY COMMUNICATIONS A	624,402.00	27,900	0.13		
MML BLEND FUND	EQUITY	DISCOVERY COMMUNICATIONS C	146,073.00	6,900	0.03		
MML BLEND FUND	EQUITY	E TRADE FINANCIAL CORP	632,562.77	12,761	0.13		
MML BLEND FUND	EQUITY	HCA HEALTHCARE INC	228,384.00	2,600	0.05		
MML BLEND FUND	EQUITY	AMERICAN AIRLINES GROUP INC	1,467,246.00	28,200	0.30		
MML BLEND FUND	EQUITY	LYONDELLBASELL INDU CL A	1,128,573.60	10,230	0.23		
MML BLEND FUND	EQUITY	CITIGROUP INC	7,087,626.91	95,251	1.45		
MML BLEND FUND	EQUITY	PROLOGIS INC	1,744,221.38	27,038	0.36		
MML BLEND FUND	EQUITY	MARATHON PETROLEUM CORP	2,487,841.88	37,706	0.51		
MML BLEND FUND	EQUITY	PVH CORP	222,280.20	1,620	0.05		
MML BLEND FUND	EQUITY	RALPH LAUREN CORP	1,384,261.50	13,350	0.28		
MML BLEND FUND	EQUITY	CBRE GROUP INC A	1,051,869.97	24,287	0.22		
MML BLEND FUND	EQUITY	XYLEM INC	228,811.00	3,355	0.05		
MML BLEND FUND	EQUITY	TRIPADVISOR INC	1,275.02	37	0.00		
MML BLEND FUND	EQUITY	MICHAEL KORS HOLDINGS LTD	434,355.00	6,900	0.09		
MML BLEND FUND	EQUITY	EXPEDIA INC	617,653.89	5,157	0.13		
MML BLEND FUND	EQUITY	AMERICAN TOWER CORP	16,977.73	119	0.00		
MML BLEND FUND	EQUITY	AON PLC	461,630.00	3,445	0.09		
MML BLEND FUND	EQUITY	EXPRESS SCRIPTS HOLDING CO	1,739,186.64	23,301	0.36		
MML BLEND FUND	EQUITY	PHILLIPS 66	290,199.35	2,869	0.06		
MML BLEND FUND	EQUITY	FACEBOOK INC A	10,705,828.20	60,670	2.19		
MML BLEND FUND	EQUITY	DUKE ENERGY CORP	486,996.90	5,790	0.10		
MML BLEND FUND	EQUITY	MONDELEZ INTERNATIONAL INC A	3,210.00	75	0.00		
MML BLEND FUND	EQUITY	EATON CORP PLC	1,071,849.66	13,566	0.22		
MML BLEND FUND	EQUITY	ABBVIE INC	4,769,930.62	49,322	0.98		
MML BLEND FUND	EQUITY	ZOETIS INC	821,256.00	11,400	0.17		
MML BLEND FUND	EQUITY	L BRANDS INC	132,484.00	2,200	0.03		
MML BLEND FUND	EQUITY	NEWS CORP CLASS A	1,315,700.86	81,166	0.27		
MML BLEND FUND	EQUITY	TWENTY FIRST CENTURY FOX A	675,648.51	19,567	0.14		
MML BLEND FUND	EQUITY	TWENTY FIRST CENTURY FOX B	276,372.00	8,100	0.06		
MML BLEND FUND	EQUITY	INTERCONTINENTAL EXCHANGE IN	1,058.40	15	0.00		
MML BLEND FUND	EQUITY	YUM BRANDS INC	2,856.35	35	0.00		
MML BLEND FUND	EQUITY	NETFLIX INC	305,792.28	1,593	0.06		
MML BLEND FUND	EQUITY	JM SMUCKER CO/THE	104,982.80	845	0.02		
MML BLEND FUND	EQUITY	SKYWORKS SOLUTIONS INC	570,649.50	6,010	0.12		
MML BLEND FUND	EQUITY	CONOCOPHILLIPS	2,140.71	39	0.00		
MML BLEND FUND	EQUITY	CENTERPOINT ENERGY INC	673,011.16	23,731	0.14		

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML BLEND FUND	EQUITY	WYNN RESORTS LTD	512,176.42	3,038	0.10		
MML BLEND FUND	EQUITY	COMCAST CORP CLASS A	5,143,381.20	128,424	1.05		
MML BLEND FUND	EQUITY	ALTRIA GROUP INC	1,996,552.19	27,959	0.41		
MML BLEND FUND	EQUITY	PRICELINE GROUP INC/THE	1,548,326.34	891	0.32		
MML BLEND FUND	EQUITY	INTUITIVE SURGICAL INC	105,102.72	288	0.02		
MML BLEND FUND	EQUITY	BIOGEN INC	1,166,603.34	3,662	0.24		
MML BLEND FUND	EQUITY	NRG ENERGY INC	34,176.00	1,200	0.01		
MML BLEND FUND	EQUITY	ASSURANT INC	525,981.44	5,216	0.11		
MML BLEND FUND	EQUITY	SALESFORCE.COM INC	716,018.92	7,004	0.15		
MML BLEND FUND	EQUITY	REGIONS FINANCIAL CORP	456,451.20	26,415	0.09		
MML BLEND FUND	EQUITY	PATTERSON COS INC	3,107.18	86	0.00		
MML BLEND FUND	EQUITY	EXTRA SPACE STORAGE INC	612,150.00	7,000	0.13		
MML BLEND FUND	EQUITY	DIGITAL REALTY TRUST INC	31,892.00	280	0.01		
MML BLEND FUND	EQUITY	CF INDUSTRIES HOLDINGS INC	1,616,094.60	37,990	0.33		
MML BLEND FUND	EQUITY	AMERIPRISE FINANCIAL INC	1,924,501.32	11,356	0.39		
MML BLEND FUND	EQUITY	C.H. ROBINSON WORLDWIDE INC	10,690.80	120	0.00		
MML BLEND FUND	EQUITY	AT+T INC	7,163,756.64	184,253	1.47		
MML BLEND FUND	EQUITY	VIACOM INC CLASS B	394,676.10	12,810	0.08		
MML BLEND FUND	EQUITY	CBS CORP CLASS B WHEN DISTRI	3,363.00	57	0.00		
MML BLEND FUND	EQUITY	FIDELITY NATIONAL INFO SERV	517,495.00	5,500	0.11		
MML BLEND FUND	EQUITY	CA INC	501,629.44	15,073	0.10		
MML BLEND FUND	EQUITY	HESS CORP	1,519.04	32	0.00		
MML BLEND FUND	EQUITY	MASTERCARD INC A	2,700,262.40	17,840	0.55		
MML BLEND FUND	EQUITY	WYNDHAM WORLDWIDE CORP	661,501.83	5,709	0.14		
MML BLEND FUND	EQUITY	ALLEGION PLC	129,921.48	1,633	0.03		
MML BLEND FUND	EQUITY	PERRIGO CO PLC	1,795,496.00	20,600	0.37		
MML BLEND FUND	EQUITY	NAVIENT CORP	1,904,640.12	142,991	0.39		
MML BLEND FUND	EQUITY	PENTAIR PLC	1,272,784.26	18,023	0.26		
MML BLEND FUND	EQUITY	SYNCHRONY FINANCIAL	776,061.00	20,100	0.16		
MML BLEND FUND	EQUITY	ANTHEM INC	1,304,157.96	5,796	0.27		
MML BLEND FUND	EQUITY	WALGREENS BOOTS ALLIANCE INC	1,202,369.34	16,557	0.25		
MML BLEND FUND	EQUITY	IRON MOUNTAIN INC	1,811.04	48	0.00		
MML BLEND FUND	EQUITY	EQUINIX INC	54,386.40	120	0.01		
MML BLEND FUND	EQUITY	INVESCO LTD	1,359,726.48	37,212	0.28		
MML BLEND FUND	EQUITY	DISH NETWORK CORP A	582,550.00	12,200	0.12		
MML BLEND FUND	EQUITY	DOLLAR TREE INC	5,150.88	48	0.00		
MML BLEND FUND	EQUITY	PHILIP MORRIS INTERNATIONAL	1,741,745.90	16,486	0.36		
MML BLEND FUND	EQUITY	VISA INC CLASS A SHARES	1,353,645.44	11,872	0.28		
MML BLEND FUND	EQUITY	NETAPP INC	1,980,345.36	35,798	0.41		
MML BLEND FUND	EQUITY	DR PEPPER SNAPPLE GROUP INC	427,452.24	4,404	0.09		
MML BLEND FUND	EQUITY	SCRIPPS NETWORKS INTER CL A	689,187.36	8,072	0.14		
MML BLEND FUND	EQUITY	ACTIVISION BLIZZARD INC	1,507,016.00	23,800	0.31		
MML BLEND FUND	EQUITY	SIGNET JEWELERS LTD	1,973,595.00	34,900	0.40		
MML BLEND FUND	EQUITY	EQT CORP	5,521.24	97	0.00		
MML BLEND FUND	EQUITY	TIME WARNER INC	1,646,917.35	18,005	0.34		
MML BLEND FUND	EQUITY	AMERICAN INTERNATIONAL GROUP	2,740.68	46	0.00		
MML BLEND FUND	EQUITY	INGERSOLL RAND PLC	856,224.00	9,600	0.18		
MML BLEND FUND	EQUITY	ACCENTURE PLC CL A	1,356,377.40	8,860	0.28		
MML BLEND FUND	EQUITY	MERCK + CO. INC.	2,902,575.41	51,583	0.59		
MML BLEND FUND	EQUITY	BERKSHIRE HATHAWAY INC CL B	2,673,194.92	13,486	0.55		
MML BLEND FUND	EQUITY	STANLEY BLACK + DECKER INC	1,527.21	9	0.00		
MML BLEND FUND	EQUITY	CAMPBELL SOUP CO	78,130.64	1,624	0.02		

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML BLEND FUND	EQUITY	PARKER HANNIFIN CORP	2,438,468.44	12,218	0.50		
MML BLEND FUND	EQUITY	VF CORP	1,102,600.00	14,900	0.23		
MML BLEND FUND	EQUITY	TYSON FOODS INC CL A	348,682.07	4,301	0.07		
MML BLEND FUND	EQUITY	DANAHER CORP	1,044,781.92	11,256	0.21		
MML BLEND FUND	EQUITY	SEALED AIR CORP	2,612.90	53	0.00		
MML BLEND FUND	EQUITY	REPUBLIC SERVICES INC	22,784.57	337	0.00		
MML BLEND FUND	EQUITY	AKAMAI TECHNOLOGIES INC	1,691.04	26	0.00		
MML BLEND FUND	EQUITY	BLACKROCK INC	1,633,597.80	3,180	0.33		
MML BLEND FUND	EQUITY	AGILENT TECHNOLOGIES INC	1,015,466.11	15,163	0.21		
MML BLEND FUND	EQUITY	PACCAR INC	996,683.76	14,022	0.20		
MML BLEND FUND	EQUITY	MICROCHIP TECHNOLOGY INC	1,091,557.48	12,421	0.22		
MML BLEND FUND	EQUITY	NATIONAL OILWELL VARCO INC	201,495.88	5,594	0.04		
MML BLEND FUND	EQUITY	STARBUCKS CORP	3,101.22	54	0.00		
MML BLEND FUND	EQUITY	LEGGETT + PLATT INC	4,104.78	86	0.00		
MML BLEND FUND	EQUITY	VERIZON COMMUNICATIONS INC	378,714.15	7,155	0.08		
MML BLEND FUND	EQUITY	JUNIPER NETWORKS INC	726,436.50	25,489	0.15		
MML BLEND FUND	EQUITY	NEWFIELD EXPLORATION CO	1,138,233.00	36,100	0.23		
MML BLEND FUND	EQUITY	QUANTA SERVICES INC	508.43	13	0.00		
MML BLEND FUND	EQUITY	FORD MOTOR CO	1,605,127.37	128,513	0.33		
MML BLEND FUND	EQUITY	XCEL ENERGY INC	263,257.92	5,472	0.05		
MML BLEND FUND	EQUITY	CONSTELLATION BRANDS INC A	123,884.94	542	0.03		
MML BLEND FUND	EQUITY	NASDAQ INC	3,457.35	45	0.00		
MML BLEND FUND	EQUITY	DAVITA INC	218,917.50	3,030	0.04		
MML BLEND FUND	EQUITY	MONSANTO CO	781,725.32	6,694	0.16		
MML BLEND FUND	EQUITY	EXELON CORP	872,537.40	22,140	0.18		
MML BLEND FUND	EQUITY	FLUOR CORP	868,184.85	16,809	0.18		
MML BLEND FUND	EQUITY	AETNA INC	1,123,288.53	6,227	0.23		
MML BLEND FUND	EQUITY	T ROWE PRICE GROUP INC	1,637,537.58	15,606	0.34		
MML BLEND FUND	EQUITY	JPMORGAN CHASE + CO	11,733,670.68	109,722	2.40		
MML BLEND FUND	EQUITY	ALIGN TECHNOLOGY INC	542,143.60	2,440	0.11		
MML BLEND FUND	EQUITY	US BANCORP	407,315.16	7,602	0.08		
MML BLEND FUND	EQUITY	RAYTHEON COMPANY	166,998.65	889	0.03		
MML BLEND FUND	EQUITY	ALLIANCE DATA SYSTEMS CORP	223,062.40	880	0.05		
MML BLEND FUND	EQUITY	ROCKWELL COLLINS INC	1,084.96	8	0.00		
MML BLEND FUND	EQUITY	ZIMMER BIOMET HOLDINGS INC	296,244.85	2,455	0.06		
MML BLEND FUND	EQUITY	AMERISOURCEBERGEN CORP	138,372.74	1,507	0.03		
MML BLEND FUND	EQUITY	NEXTERA ENERGY INC	474,817.60	3,040	0.10		
MML BLEND FUND	EQUITY	GARMIN LTD	125,097.00	2,100	0.03		
MML BLEND FUND	EQUITY	SEAGATE TECHNOLOGY	728,016.00	17,400	0.15		
MML BLEND FUND	EQUITY	UNITED CONTINENTAL HOLDINGS	1,489,540.00	22,100	0.30		
MML BLEND FUND	EQUITY	GENERAL MOTORS CO	1,852,748.00	45,200	0.38		
MML BLEND FUND	EQUITY	MOTOROLA SOLUTIONS INC	283,396.58	3,137	0.06		
MML BLEND FUND	EQUITY	O REILLY AUTOMOTIVE INC	80,099.82	333	0.02		
MML BLEND FUND	EQUITY	KINDER MORGAN INC	686.66	38	0.00		
MML BLEND FUND	EQUITY	TE CONNECTIVITY LTD	1,359,072.00	14,300	0.28		
MML BLEND FUND	EQUITY	PRUDENTIAL FINANCIAL INC	1,809,440.26	15,737	0.37		
MML BLEND FUND	EQUITY	CENTENE CORP	1,775,488.00	17,600	0.36		
MML BLEND FUND	EQUITY	3M CO	2,638,968.44	11,212	0.54		
MML BLEND FUND	EQUITY	BOEING CO/THE	5,394,493.72	18,292	1.10		
MML BLEND FUND	EQUITY	CORNING INC	213,277.33	6,667	0.04		
MML BLEND FUND	EQUITY	DOVER CORP	522,421.27	5,173	0.11		
MML BLEND FUND	EQUITY	EQUIFAX INC	15,565.44	132	0.00		

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML BLEND FUND	EQUITY	FISERV INC	219,773.88	1,676	0.04		
MML BLEND FUND	EQUITY	HALLIBURTON CO	873,160.29	17,867	0.18		
MML BLEND FUND	EQUITY	HERSHEY CO/THE	186,950.97	1,647	0.04		
MML BLEND FUND	EQUITY	KLA TENCOR CORP	2,068,723.23	19,689	0.42		
MML BLEND FUND	EQUITY	KOHL'S CORP	343,275.90	6,330	0.07		
MML BLEND FUND	EQUITY	PPG INDUSTRIES INC	934.56	8	0.00		
MML BLEND FUND	EQUITY	QUALCOMM INC	2,247,102.00	35,100	0.46		
MML BLEND FUND	EQUITY	ROCKWELL AUTOMATION INC	96,800.55	493	0.02		
MML BLEND FUND	EQUITY	SOUTHWEST AIRLINES CO	679,567.35	10,383	0.14		
MML BLEND FUND	EQUITY	SUNTRUST BANKS INC	781,539.00	12,100	0.16		
MML BLEND FUND	EQUITY	TJX COMPANIES INC	237,484.76	3,106	0.05		
MML BLEND FUND	EQUITY	VULCAN MATERIALS CO	641.85	5	0.00		
MML BLEND FUND	EQUITY	WEYERHAEUSER CO	727,272.76	20,626	0.15		
MML BLEND FUND	EQUITY	WILLIAMS COS INC	1,463.52	48	0.00		
MML BLEND FUND	EQUITY	XILINX INC	253,229.52	3,756	0.05		
MML BLEND FUND	EQUITY	VERISIGN INC	1,841,454.04	16,091	0.38		
MML BLEND FUND	EQUITY	HARTFORD FINANCIAL SVCS GRP	334,978.56	5,952	0.07		
MML BLEND FUND	EQUITY	ELECTRONIC ARTS INC	91,087.02	867	0.02		
MML BLEND FUND	EQUITY	METLIFE INC	1,627,526.40	32,190	0.33		
MML BLEND FUND	EQUITY	SCHWAB (CHARLES) CORP	236,918.44	4,612	0.05		
MML BLEND FUND	EQUITY	ADOBE SYSTEMS INC	2,208,024.00	12,600	0.45		
MML BLEND FUND	EQUITY	HORMEL FOODS CORP	572,487.48	15,732	0.12		
MML BLEND FUND	EQUITY	MCCORMICK + CO NON VTG SHRS	16,407.51	161	0.00		
MML BLEND FUND	EQUITY	UNITEDHEALTH GROUP INC	5,940,074.24	26,944	1.22		
MML BLEND FUND	EQUITY	AUTODESK INC	3,878.71	37	0.00		
MML BLEND FUND	EQUITY	JACOBS ENGINEERING GROUP INC	1,802,027.20	27,320	0.37		
MML BLEND FUND	EQUITY	LABORATORY CRP OF AMER HLDGS	319.02	2	0.00		
MML BLEND FUND	EQUITY	COMERICA INC	757,070.01	8,721	0.15		
MML BLEND FUND	EQUITY	SEMPRA ENERGY	238,538.52	2,231	0.05		
MML BLEND FUND	EQUITY	PROGRESSIVE CORP	1,020,180.48	18,114	0.21		
MML BLEND FUND	EQUITY	AMAZON.COM INC	4,151,618.50	3,550	0.85		
MML BLEND FUND	EQUITY	MCKESSON CORP	1,173,523.75	7,525	0.24		
MML BLEND FUND	EQUITY	CINTAS CORP	292,648.74	1,878	0.06		
MML BLEND FUND	EQUITY	ROBERT HALF INTL INC	1,444.04	26	0.00		
MML BLEND FUND	EQUITY	FASTENAL CO	4,484.58	82	0.00		
MML BLEND FUND	EQUITY	EBAY INC	784,123.98	20,777	0.16		
MML BLEND FUND	EQUITY	BROWN FORMAN CORP CLASS B	824.04	12	0.00		
MML BLEND FUND	EQUITY	BORGWARNER INC	1,701,297.00	33,300	0.35		
MML BLEND FUND	EQUITY	EOG RESOURCES INC	699,040.98	6,478	0.14		
MML BLEND FUND	EQUITY	EDISON INTERNATIONAL	1,108,344.24	17,526	0.23		
MML BLEND FUND	EQUITY	LOEWS CORP	1,039,773.49	20,783	0.21		
MML BLEND FUND	EQUITY	NISOURCE INC	18,302.71	713	0.00		
MML BLEND FUND	EQUITY	PFIZER INC	7,506,269.02	207,241	1.54		
MML BLEND FUND	EQUITY	PRAXAIR INC	1,041,924.48	6,736	0.21		
MML BLEND FUND	EQUITY	WAL MART STORES INC	3,053,547.50	30,922	0.62		
MML BLEND FUND	EQUITY	WATERS CORP	297,512.60	1,540	0.06		
MML BLEND FUND	EQUITY	WELLS FARGO + CO	1,056,628.72	17,416	0.22		
MML BLEND FUND	EQUITY	BAXTER INTERNATIONAL INC	2,402,087.04	37,161	0.49		
MML BLEND FUND	EQUITY	HANESBRANDS INC	144,279.00	6,900	0.03		
MML BLEND FUND	EQUITY	WESTERN UNION CO	1,366,590.88	71,888	0.28		
MML BLEND FUND	EQUITY	TRAVELERS COS INC/THE	310,208.68	2,287	0.06		
MML BLEND FUND	EQUITY	PEOPLE S UNITED FINANCIAL	474,063.70	25,351	0.10		

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML BLEND FUND	EQUITY	DELTA AIR LINES INC	1,299,200.00	23,200	0.27		
MML BLEND FUND	EQUITY	MACY S INC	1,928,319.69	76,551	0.39		
MML BLEND FUND	EQUITY	DISCOVER FINANCIAL SERVICES	137,148.36	1,783	0.03		
MML BLEND FUND	EQUITY	BANK OF NEW YORK MELLON CORP	1,600,019.02	29,707	0.33		
MML BLEND FUND	EQUITY	HCP INC	912.80	35	0.00		
MML BLEND FUND	EQUITY	EASTMAN CHEMICAL CO	562,324.80	6,070	0.12		
MML BLEND FUND	EQUITY	ENTERGY CORP	1,749,722.22	21,498	0.36		
MML BLEND FUND	EQUITY	FIRSTENERGY CORP	1,377,287.60	44,980	0.28		
MML BLEND FUND	EQUITY	GOODYEAR TIRE + RUBBER CO	140,580.81	4,351	0.03		
MML BLEND FUND	EQUITY	HELMERICH + PAYNE	3,878.40	60	0.00		
MML BLEND FUND	EQUITY	HUMANA INC	268,907.88	1,084	0.06		
MML BLEND FUND	EQUITY	INTERNATIONAL PAPER CO	207,830.78	3,587	0.04		
MML BLEND FUND	EQUITY	KEYCORP	660,849.88	32,764	0.14		
MML BLEND FUND	EQUITY	LAM RESEARCH CORP	1,918,561.61	10,423	0.39		
MML BLEND FUND	EQUITY	LOCKHEED MARTIN CORP	491,206.50	1,530	0.10		
MML BLEND FUND	EQUITY	NORFOLK SOUTHERN CORP	1,132,103.70	7,813	0.23		
MML BLEND FUND	EQUITY	NORTHROP GRUMMAN CORP	1,217,818.88	3,968	0.25		
MML BLEND FUND	EQUITY	OCCIDENTAL PETROLEUM CORP	980,782.90	13,315	0.20		
MML BLEND FUND	EQUITY	P G + E CORP	623,854.28	13,916	0.13		
MML BLEND FUND	EQUITY	PPL CORP	359,577.10	11,618	0.07		
MML BLEND FUND	EQUITY	PIONEER NATURAL RESOURCES CO	172.85	1	0.00		
MML BLEND FUND	EQUITY	PUBLIC SERVICE ENTERPRISE GP	73,336.00	1,424	0.02		
MML BLEND FUND	EQUITY	H+R BLOCK INC	762,031.86	29,063	0.16		
MML BLEND FUND	EQUITY	GENUINE PARTS CO	3,230.34	34	0.00		
MML BLEND FUND	EQUITY	KIMBERLY CLARK CORP	886,247.70	7,345	0.18		
MML BLEND FUND	EQUITY	TOTAL SYSTEM SERVICES INC	2,064,802.63	26,107	0.42		
MML BLEND FUND	EQUITY	VENTAS INC	1,729,788.25	28,825	0.35		
MML BLEND FUND	EQUITY	RED HAT INC	1,823,238.10	15,181	0.37		
MML BLEND FUND	EQUITY	F5 NETWORKS INC	813,564.00	6,200	0.17		
MML BLEND FUND	EQUITY	INTUIT INC	1,532,043.80	9,710	0.31		
MML BLEND FUND	EQUITY	LEUCADIA NATIONAL CORP	980.13	37	0.00		
MML BLEND FUND	EQUITY	HUNTINGTON BANCSHARES INC	99,008.00	6,800	0.02		
MML BLEND FUND	EQUITY	STRYKER CORP	716,909.20	4,630	0.15		
MML BLEND FUND	EQUITY	ESTEE LAUDER COMPANIES CL A	1,006,468.40	7,910	0.21		
MML BLEND FUND	EQUITY	CITRIX SYSTEMS INC	6,776.00	77	0.00		
MML BLEND FUND	EQUITY	NORTHERN TRUST CORP	505,343.51	5,059	0.10		
MML BLEND FUND	EQUITY	NORDSTROM INC	109,353.04	2,308	0.02		
MML BLEND FUND	EQUITY	KELLOGG CO	572,935.44	8,428	0.12		
MML BLEND FUND	EQUITY	M + T BANK CORP	231,691.45	1,355	0.05		
MML BLEND FUND	EQUITY	PACKAGING CORP OF AMERICA	90,412.50	750	0.02		
MML BLEND FUND	EQUITY	EXPEDITORS INTL WASH INC	8,150.94	126	0.00		
MML BLEND FUND	EQUITY	NEWMONT MINING CORP	888,098.40	23,670	0.18		
MML BLEND FUND	EQUITY	ROYAL CARIBBEAN CRUISES LTD	443,721.60	3,720	0.09		
MML BLEND FUND	EQUITY	FIFTH THIRD BANCORP	2,051,621.14	67,621	0.42		
MML BLEND FUND	EQUITY	BB+T CORP	157,413.52	3,166	0.03		
MML BLEND FUND	EQUITY	FLOWSERVE CORP	2,949.10	70	0.00		
MML BLEND FUND	EQUITY	STERICYCLE INC	6,595.03	97	0.00		
MML BLEND FUND	EQUITY	VARIAN MEDICAL SYSTEMS INC	233,081.55	2,097	0.05		
MML BLEND FUND	EQUITY	WESTERN DIGITAL CORP	2,039,705.91	25,647	0.42		
MML BLEND FUND	EQUITY	AMPHENOL CORP CL A	374,379.20	4,264	0.08		
MML BLEND FUND	EQUITY	APARTMENT INVT + MGMT CO A	29,941.35	685	0.01		
MML BLEND FUND	EQUITY	BALL CORP	151.40	4	0.00		

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML BLEND FUND	EQUITY	ESSEX PROPERTY TRUST INC	362,055.00	1,500	0.07		
MML BLEND FUND	EQUITY	GILEAD SCIENCES INC	3,912,260.40	54,610	0.80		
MML BLEND FUND	EQUITY	NVIDIA CORP	1,448,541.00	7,486	0.30		
MML BLEND FUND	EQUITY	SYMANTEC CORP	1,543.30	55	0.00		
MML BLEND FUND	EQUITY	UNIVERSAL HEALTH SERVICES B	5,667.50	50	0.00		
MML BLEND FUND	EQUITY	BECTON DICKINSON AND CO	1,209,985.92	5,653	0.25		
MML BLEND FUND	EQUITY	CENTURYLINK INC	467.04	28	0.00		
MML BLEND FUND	EQUITY	CLOROX COMPANY	107,539.02	723	0.02		
MML BLEND FUND	EQUITY	CONAGRA BRANDS INC	1,701,704.58	45,174	0.35		
MML BLEND FUND	EQUITY	FRANKLIN RESOURCES INC	276,748.71	6,387	0.06		
MML BLEND FUND	EQUITY	GENERAL DYNAMICS CORP	122,476.90	602	0.03		
MML BLEND FUND	EQUITY	HASBRO INC	41,900.29	461	0.01		
MML BLEND FUND	EQUITY	HONEYWELL INTERNATIONAL INC	2,288,437.92	14,922	0.47		
MML BLEND FUND	EQUITY	PROCTER + GAMBLE CO/THE	6,324,008.52	68,829	1.29		
MML BLEND FUND	EQUITY	CHEVRON CORP	2,226,879.72	17,788	0.46		
MML BLEND FUND	EQUITY	PRINCIPAL FINANCIAL GROUP	573,582.24	8,129	0.12		
MML BLEND FUND	EQUITY	FOOT LOCKER INC	1,983,024.00	42,300	0.41		
MML BLEND FUND	EQUITY	AVERY DENNISON CORP	219,956.90	1,915	0.05		
MML BLEND FUND	EQUITY	PINNACLE WEST CAPITAL	118,911.28	1,396	0.02		
MML BLEND FUND	EQUITY	SOUTHERN CO/THE	380,968.98	7,922	0.08		
MML BLEND FUND	EQUITY	UNUM GROUP	2,027,142.59	36,931	0.41		
MML BLEND FUND	EQUITY	DARDEN RESTAURANTS INC	254,837.08	2,654	0.05		
MML BLEND FUND	EQUITY	MID AMERICA APARTMENT COMM	6,033.60	60	0.00		
MML BLEND FUND	EQUITY	TEXTRON INC	264,388.48	4,672	0.05		
MML BLEND FUND	EQUITY	CADENCE DESIGN SYS INC	1,359,150.00	32,500	0.28		
MML BLEND FUND	EQUITY	COSTCO WHOLESALE CORP	1,371,704.40	7,370	0.28		
MML BLEND FUND	EQUITY	INTEL CORP	7,635,925.68	165,423	1.56		
MML BLEND FUND	EQUITY	JOHNSON + JOHNSON	7,981,085.84	57,122	1.63		
MML BLEND FUND	EQUITY	PULTEGROUP INC	561,027.25	16,873	0.11		
MML BLEND FUND	EQUITY	SCANA CORP	117,231.66	2,947	0.02		
MML BLEND FUND	EQUITY	THERMO FISHER SCIENTIFIC INC	754,013.48	3,971	0.15		
MML BLEND FUND	EQUITY	MARATHON OIL CORP	1,805,195.11	106,627	0.37		
MML BLEND FUND	EQUITY	UNION PACIFIC CORP	2,241,079.20	16,712	0.46		
MML BLEND FUND	EQUITY	UNITED RENTALS INC	1,222,280.10	7,110	0.25		
MML BLEND FUND	EQUITY	VALERO ENERGY CORP	3,078,985.00	33,500	0.63		
MML BLEND FUND	EQUITY	CHESAPEAKE ENERGY CORP	356.40	90	0.00		
MML BLEND FUND	EQUITY	HOLOGIC INC	59,850.00	1,400	0.01		
MML BLEND FUND	EQUITY	QUEST DIAGNOSTICS INC	325,903.41	3,309	0.07		
MML BLEND FUND	EQUITY	AMETEK INC	1,847,985.00	25,500	0.38		
MML BLEND FUND	EQUITY	ANSYS INC	346,836.50	2,350	0.07		
MML BLEND FUND	EQUITY	APPLIED MATERIALS INC	2,113,249.68	41,339	0.43		
MML BLEND FUND	EQUITY	CABOT OIL + GAS CORP	1,372.80	48	0.00		
MML BLEND FUND	EQUITY	CELGENE CORP	1,688,127.36	16,176	0.35		
MML BLEND FUND	EQUITY	COGNIZANT TECH SOLUTIONS A	728,381.12	10,256	0.15		
MML BLEND FUND	EQUITY	COOPER COS INC/THE	270,171.20	1,240	0.06		
MML BLEND FUND	EQUITY	FLIR SYSTEMS INC	132,960.24	2,852	0.03		
MML BLEND FUND	EQUITY	ROPER TECHNOLOGIES INC	171,717.00	663	0.04		
MML BLEND FUND	EQUITY	EVEREST RE GROUP LTD	663,780.00	3,000	0.14		
MML BLEND FUND	EQUITY	ALASKA AIR GROUP INC	1,595,167.00	21,700	0.33		
MML BLEND FUND	EQUITY	ALBEMARLE CORP	653,517.90	5,110	0.13		
MML BLEND FUND	EQUITY	ALLSTATE CORP	1,260,184.85	12,035	0.26		
MML BLEND FUND	EQUITY	AMEREN CORPORATION	38,933.40	660	0.01		

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML BLEND FUND	EQUITY	AES CORP	605,256.21	55,887		0.12	
MML BLEND FUND	EQUITY	AMGEN INC	4,831,115.90	27,781		0.99	
MML BLEND FUND	EQUITY	APPLE INC	20,290,169.31	119,897		4.15	
MML BLEND FUND	EQUITY	BEST BUY CO INC	814,245.24	11,892		0.17	
MML BLEND FUND	EQUITY	BOSTON SCIENTIFIC CORP	1,155,214.00	46,600		0.24	
MML BLEND FUND	EQUITY	CVS HEALTH CORP	1,572,815.00	21,694		0.32	
MML BLEND FUND	EQUITY	CISCO SYSTEMS INC	3,946,508.60	103,042		0.81	
MML BLEND FUND	EQUITY	WALT DISNEY CO/THE	215.02	2		0.00	
MML BLEND FUND	EQUITY	EXXON MOBIL CORP	5,344,345.08	63,897		1.09	
MML BLEND FUND	EQUITY	GAP INC/THE	374,319.40	10,990		0.08	
MML BLEND FUND	EQUITY	GENERAL ELECTRIC CO	1,500.70	86		0.00	
MML BLEND FUND	EQUITY	HOME DEPOT INC	2,252,943.11	11,887		0.46	
MML BLEND FUND	EQUITY	MICROSOFT CORP	14,344,630.30	167,695		2.94	
MML BLEND FUND	EQUITY	MICRON TECHNOLOGY INC	1,226,075.04	29,817		0.25	
MML BLEND FUND	EQUITY	MORGAN STANLEY	3,231,994.59	61,597		0.66	
MML BLEND FUND	EQUITY	OMNICOM GROUP	272,894.01	3,747		0.06	
MML BLEND FUND	EQUITY	ORACLE CORP	4,139,694.96	87,557		0.85	
MML BLEND FUND	EQUITY	AMERICAN ELECTRIC POWER	616,884.45	8,385		0.13	
MML BLEND FUND	EQUITY	APACHE CORP	886.62	21		0.00	
MML BLEND FUND	EQUITY	ARCHER DANIELS MIDLAND CO	3,687.36	92		0.00	
MML BLEND FUND	EQUITY	CMS ENERGY CORP	373,811.90	7,903		0.08	
MML BLEND FUND	EQUITY	CSX CORP	192,920.07	3,507		0.04	
MML BLEND FUND	EQUITY	CINCINNATI FINANCIAL CORP	331,292.43	4,419		0.07	
MML BLEND FUND	EQUITY	CONSOLIDATED EDISON INC	185,360.90	2,182		0.04	
MML BLEND FUND	EQUITY	CUMMINS INC	2,083,468.80	11,795		0.43	
MML BLEND FUND	EQUITY	DR HORTON INC	1,110,619.29	21,747		0.23	
MML BLEND FUND	EQUITY	DTE ENERGY COMPANY	330,569.20	3,020		0.07	
MML BLEND FUND	EQUITY	DEVON ENERGY CORP	1,806,985.80	43,647		0.37	
MML BLEND FUND	EQUITY	DOMINION ENERGY INC	139,098.96	1,716		0.03	
MML BLEND FUND	EQUITY	PERKINELMER INC	198,886.40	2,720		0.04	
MML BLEND FUND	EQUITY	MASCO CORP	1,098.50	25		0.00	
MML BLEND FUND	EQUITY	PNC FINANCIAL SERVICES GROUP	1,863,938.22	12,918		0.38	
MML BLEND FUND	EQUITY	TORCHMARK CORP	297,710.22	3,282		0.06	
MML BLEND FUND	EQUITY	BANK OF AMERICA CORP	8,221,260.96	278,498		1.68	
MML BLEND FUND	EQUITY	EMERSON ELECTRIC CO	339,320.61	4,869		0.07	
MML BLEND FUND	EQUITY	WW GRAINGER INC	803,722.50	3,402		0.16	
MML BLEND FUND	EQUITY	HARRIS CORP	109,070.50	770		0.02	
MML BLEND FUND	EQUITY	INTL BUSINESS MACHINES CORP	2,307,436.80	15,040		0.47	
MML BLEND FUND	CASH	US DOLLAR	(121,156.17)	(121,156)		0.02	0
MML BLEND FUND	EQUITY	EDWARDS LIFESCIENCES CORP	3,381.30	30		0.00	
MML BLEND FUND	EQUITY	ABBOTT LABORATORIES	1,803,469.07	31,601		0.37	
MML BLEND FUND	EQUITY	BRISTOL MYERS SQUIBB CO	1,272,601.76	20,767		0.26	
MML BLEND FUND	EQUITY	ILLINOIS TOOL WORKS	2,486,899.25	14,905		0.51	
MML BLEND FUND	EQUITY	LOWE S COS INC	8,829.30	95		0.00	
MML BLEND FUND	EQUITY	MARSH + MCLENNAN COS	473,120.07	5,813		0.10	
MML BLEND FUND	EQUITY	MATTEL INC	1,384.20	90		0.00	
MML BLEND FUND	EQUITY	NUCOR CORP	3,560.48	56		0.00	
MML BLEND FUND	EQUITY	SYS CO CORP	323,933.82	5,334		0.07	
MML BLEND FUND	EQUITY	TEXAS INSTRUMENTS INC	2,326,296.56	22,274		0.48	
MML BLEND FUND	EQUITY	ELI LILLY + CO	1,403,218.44	16,614		0.29	
MML BLEND FUND	EQUITY	MCDONALD S CORP	1,265,082.00	7,350		0.26	
MML BLEND FUND	EQUITY	STATE STREET CORP	1,705,832.36	17,476		0.35	

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML BLEND FUND	EQUITY	SYNOPSIS INC	51,144.00	600	0.01		
MML BLEND FUND	EQUITY	TARGET CORP	1,127,911.50	17,286	0.23		
MML BLEND FUND	EQUITY	UNITED TECHNOLOGIES CORP	179,873.70	1,410	0.04		
MML BLEND FUND	EQUITY	WASTE MANAGEMENT INC	170,269.90	1,973	0.03		
MML BLEND FUND	EQUITY	WHIRLPOOL CORP	209,619.52	1,243	0.04		
MML BLEND FUND	EQUITY	AMERICAN EXPRESS CO	2,338,651.19	23,549	0.48		
MML BLEND FUND	EQUITY	COCA COLA CO/THE	1,143,788.40	24,930	0.23		
MML BLEND FUND	EQUITY	MARRIOTT INTERNATIONAL CL A	1,923,429.83	14,171	0.39		
MML BLEND FUND	EQUITY	NIKE INC CL B	5,254.20	84	0.00		
MML BLEND FUND	EQUITY	ANALOG DEVICES INC	95,440.16	1,072	0.02		
MML BLEND FUND	EQUITY	CARDINAL HEALTH INC	966,718.06	15,778	0.20		
MML BLEND FUND	EQUITY	HARLEY DAVIDSON INC	1,775,813.76	34,902	0.36		
MML BLEND FUND	EQUITY	INTERPUBLIC GROUP OF COS INC	139,547.52	6,922	0.03		
MML BLEND FUND	EQUITY	KROGER CO	959,597.10	34,958	0.20		
MML BLEND FUND	EQUITY	PEPSICO INC	4,349,498.40	36,270	0.89		
MML BLEND FUND	EQUITY	UNITED PARCEL SERVICE CL B	581,452.00	4,880	0.12		
MML BLEND FUND	EQUITY	SHERWIN WILLIAMS CO/THE	1,230.12	3	0.00		
MML BLEND FUND	EQUITY	SNAP ON INC	174.30	1	0.00		
MML BLEND FUND	EQUITY	DEERE + CO	918,713.70	5,870	0.19		
MML BLEND FUND	EQUITY	KIMCO REALTY CORP	50,221.05	2,767	0.01		
MML BLEND FUND	EQUITY	VORNADO REALTY TRUST	107,341.14	1,373	0.02		
MML BLEND FUND	EQUITY	ZIONS BANCORPORATION	215,570.03	4,241	0.04		
MML BLEND FUND	EQUITY	AVALONBAY COMMUNITIES INC	371,271.21	2,081	0.08		
MML BLEND FUND	EQUITY	BOSTON PROPERTIES INC	390.09	3	0.00		
MML BLEND FUND	EQUITY	EQUITY RESIDENTIAL	3,571.12	56	0.00		
MML BLEND FUND	EQUITY	HOST HOTELS + RESORTS INC	552,564.45	27,837	0.11		
MML BLEND FUND	EQUITY	DUKE REALTY CORP	1,853,001.00	68,100	0.38		
MML BLEND FUND	EQUITY	PUBLIC STORAGE	42,427.00	203	0.01		
MML BLEND FUND	EQUITY	SIMON PROPERTY GROUP INC	110,772.30	645	0.02		
MML BLEND FUND	EQUITY	AIR PRODUCTS + CHEMICALS INC	1,279,003.60	7,795	0.26		
MML BLEND FUND	EQUITY	AUTOMATIC DATA PROCESSING	563,566.71	4,809	0.12		
MML BLEND FUND	EQUITY	CIGNA CORP	1,322,522.08	6,512	0.27		
MML BLEND FUND	EQUITY	CATERPILLAR INC	3,254,814.90	20,655	0.67		
MML BLEND FUND	EQUITY	COLGATE PALMOLIVE CO	445,607.70	5,906	0.09		
MML BLEND FUND	EQUITY	ECOLAB INC	268.36	2	0.00		
MML BLEND FUND	EQUITY	GENERAL MILLS INC	116,326.98	1,962	0.02		
MML BLEND FUND	EQUITY	GOLDMAN SACHS GROUP INC	3,306,784.80	12,980	0.68		
MML BLEND FUND	EQUITY	PAYCHEX INC	4,357.12	64	0.00		
MML BLEND FUND	EQUITY	ROSS STORES INC	212,181.00	2,644	0.04		
MML BLEND FUND	EQUITY	SCHLUMBERGER LTD	305,344.09	4,531	0.06		
MML BLEND FUND	EQUITY	AUTOZONE INC	351,416.78	494	0.07		
MML BLEND FUND	FIXED INCOME	ENTERPRISE PRODUCTS OPER	185,138.06	150,000	0.08	5.95	2/1/2041
MML BLEND FUND	FIXED INCOME	PACIFIC GAS + ELECTRIC	149,749.68	120,000	0.06	5.8	3/1/2037
MML BLEND FUND	FIXED INCOME	EXPEDIA INC	438,332.84	425,000	0.19	7.456	8/15/2018
MML BLEND FUND	FIXED INCOME	CHUBB CORP	49,625.00	50,000	0.02	3.60917	3/29/2067
MML BLEND FUND	FIXED INCOME	KINDER MORGAN ENER PART	12,433.46	10,000	0.01	6.95	1/15/2038
MML BLEND FUND	FIXED INCOME	GOLDMAN SACHS GROUP INC	100,398.25	75,000	0.04	6.75	10/1/2037
MML BLEND FUND	FIXED INCOME	ENCANA CORP	100,955.62	80,000	0.04	6.5	2/1/2038
MML BLEND FUND	FIXED INCOME	UNITEDHEALTH GROUP INC	159,546.72	110,000	0.07	6.875	2/15/2038
MML BLEND FUND	FIXED INCOME	AAMES MORTGAGE INVESTMENT TRUS	110,400.11	110,812	0.05	3.0525	1/25/2035
MML BLEND FUND	FIXED INCOME	ISRAEL ELECTRIC CORP LTD	208,376.00	200,000	0.09	7.25	1/15/2019
MML BLEND FUND	FIXED INCOME	FNMA POOL 530520	13,024.59	11,277	0.01	7.5	3/1/2030

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML BLEND FUND	FIXED INCOME	REGIONS BANK	132,603.19	130,000	0.06	7.5	5/15/2018
MML BLEND FUND	FIXED INCOME	UNITED TECHNOLOGIES CORP	106,056.87	80,000	0.05	6.125	7/15/2038
MML BLEND FUND	FIXED INCOME	JOHNSON + JOHNSON	54,193.68	40,000	0.02	5.85	7/15/2038
MML BLEND FUND	FIXED INCOME	BANC OF AMERICA COMMERCIAL MOR	99,540.49	99,582	0.04	6.18382	2/10/2051
MML BLEND FUND	EQUITY	SWAP BARCLAYS BANK BOC	(790,000.00)	(790,000)	0.34		
MML BLEND FUND	FIXED INCOME	TIME WARNER CABLE LLC	69,304.78	65,000	0.03	8.75	2/14/2019
MML BLEND FUND	FIXED INCOME	FNMA TBA 30 YR 4	1,568,906.25	1,500,000	0.67	4	1/18/2048
MML BLEND FUND	FIXED INCOME	FNMA POOL 535351	3,306.56	2,794	0.00	8	6/1/2030
MML BLEND FUND	CASH	US DOLLAR	99,614.74	99,615	0.04	0	
MML BLEND FUND	CASH	EURO CURRENCY	7.22	6	0.00	0	
MML BLEND FUND	FIXED INCOME	HIGHWOODS REALTY LP	269,010.08	265,000	0.12	7.5	4/15/2018
MML BLEND FUND	FIXED INCOME	FNMA POOL 602008	3,031.96	2,572	0.00	8	8/1/2031
MML BLEND FUND	FIXED INCOME	PROGRESS ENERGY INC	33,407.18	25,000	0.01	7	10/30/2031
MML BLEND FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	350,000.00	350,000	0.15	0.5	6/17/2030
MML BLEND FUND	FIXED INCOME	FREDDIE MAC	435,378.73	404,026	0.19	5.5	10/15/2033
MML BLEND FUND	FIXED INCOME	ERAC USA FINANCE LLC	98,452.36	78,000	0.04	6.7	6/1/2034
MML BLEND FUND	FIXED INCOME	UNITED MEXICAN STATES	208,000.00	160,000	0.09	6.75	9/27/2034
MML BLEND FUND	FIXED INCOME	XLIT LTD	378,596.25	325,000	0.16	6.375	11/15/2024
MML BLEND FUND	FIXED INCOME	FLORIDA POWER + LIGHT CO	148,116.46	125,000	0.06	4.95	6/1/2035
MML BLEND FUND	FIXED INCOME	LONG BEACH MORTGAGE LOAN TRUST	94,876.52	94,801	0.04	2.37713	6/25/2035
MML BLEND FUND	FIXED INCOME	GCCFC COMMERCIAL MORTGAGE TRUS	185,672.74	183,840	0.08	5.76666	7/10/2038
MML BLEND FUND	FIXED INCOME	ANADARKO PETROLEUM CORP	306,202.91	250,000	0.13	6.45	9/15/2036
MML BLEND FUND	FIXED INCOME	NEVADA POWER CO	187,617.74	135,000	0.08	6.65	4/1/2036
MML BLEND FUND	FIXED INCOME	GOLDMAN SACHS GROUP INC	247,652.69	212,000	0.11	5.95	1/15/2027
MML BLEND FUND	FIXED INCOME	VALE OVERSEAS LIMITED	116,375.00	95,000	0.05	6.875	11/21/2036
MML BLEND FUND	FIXED INCOME	GSR MORTGAGE LOAN TRUST	7,780.13	7,725	0.00	3.59628	8/25/2034
MML BLEND FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	328,741.74	330,000	0.14	1.50742	10/25/2028
MML BLEND FUND	FIXED INCOME	SLC STUDENT LOAN TRUST	219,006.21	230,000	0.09	1.80917	7/15/2036
MML BLEND FUND	FIXED INCOME	BANK OF AMERICA CORP	127,845.51	100,000	0.05	6.11	1/29/2037
MML BLEND FUND	FIXED INCOME	SPRINT COMMUNICATIONS	488,925.00	410,000	0.21	9.25	4/15/2022
MML BLEND FUND	FIXED INCOME	GNMA POOL 354674	4,412.87	4,046	0.00	7	10/15/2023
MML BLEND FUND	FIXED INCOME	FNMA POOL 252981	9,367.90	8,068	0.00	7.5	1/1/2030
MML BLEND FUND	FIXED INCOME	GOLDMAN SACHS GROUP INC	80,855.90	60,000	0.03	6.25	2/1/2041
MML BLEND FUND	FIXED INCOME	MCKESSON CORP	152,693.44	125,000	0.07	6	3/1/2041
MML BLEND FUND	FIXED INCOME	KINDER MORGAN ENER PART	75,553.64	65,000	0.03	6.375	3/1/2041
MML BLEND FUND	FIXED INCOME	WILLIS TOWERS WATSON PLC	250,277.27	230,000	0.11	5.75	3/15/2021
MML BLEND FUND	FIXED INCOME	HOME DEPOT INC	203,134.28	150,000	0.09	5.95	4/1/2041
MML BLEND FUND	FIXED INCOME	TIME WARNER INC	30,874.48	25,000	0.01	6.25	3/29/2041
MML BLEND FUND	FIXED INCOME	ASCIANO FINANCE LTD	251,590.27	250,000	0.11	5	4/7/2018
MML BLEND FUND	FIXED INCOME	INTL LEASE FINANCE CORP	15,718.57	15,000	0.01	6.25	5/15/2019
MML BLEND FUND	FIXED INCOME	PUGET ENERGY INC	299,998.96	271,000	0.13	6.5	12/15/2020
MML BLEND FUND	FIXED INCOME	JPMORGAN CHASE + CO	250,828.05	195,000	0.11	5.6	7/15/2041
MML BLEND FUND	FIXED INCOME	ENTERPRISE PRODUCTS OPER	6,046.66	5,000	0.00	5.7	2/15/2042
MML BLEND FUND	FIXED INCOME	XLIT LTD	126,217.05	115,000	0.05	5.75	10/1/2021
MML BLEND FUND	FIXED INCOME	NEWFIELD EXPLORATION CO	213,500.00	200,000	0.09	5.75	1/30/2022
MML BLEND FUND	FIXED INCOME	LEIDOS HOLDINGS INC	866,312.50	835,000	0.37	4.45	12/1/2020
MML BLEND FUND	FIXED INCOME	AMGEN INC	138,012.21	115,000	0.06	5.15	11/15/2041
MML BLEND FUND	FIXED INCOME	NISOURCE FINANCE CORP	216,828.76	175,000	0.09	5.8	2/1/2042
MML BLEND FUND	FIXED INCOME	MARATHON PETROLEUM CORP	213,068.93	170,000	0.09	6.5	3/1/2041
MML BLEND FUND	FIXED INCOME	CVS PASS THROUGH TRUST	312,354.31	274,008	0.13	5.926	1/10/2034
MML BLEND FUND	FIXED INCOME	ENERGY TRANSFER LP	113,231.52	100,000	0.05	6.5	2/1/2042
MML BLEND FUND	FIXED INCOME	GS MORTGAGE SECURITIES TRUST	106,862.93	100,000	0.05	4.948	1/10/2045

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML BLEND FUND	FIXED INCOME	HUGHES SATELLITE SYSTEMS	182,875.00	175,000	0.08	6.5	6/15/2019
MML BLEND FUND	FIXED INCOME	PETROLEOS MEXICANOS	38,480.00	37,000	0.02	6.625	6/15/2038
MML BLEND FUND	FIXED INCOME	US TREASURY N/B	2,946,037.50	2,580,000	1.26	3.5	2/15/2039
MML BLEND FUND	FIXED INCOME	TIME WARNER CABLE LLC	48,095.42	45,000	0.02	8.25	4/1/2019
MML BLEND FUND	FIXED INCOME	CALIFORNIA ST	188,833.20	120,000	0.08	7.55	4/1/2039
MML BLEND FUND	FIXED INCOME	ENCANA CORP	131,343.06	125,000	0.06	6.5	5/15/2019
MML BLEND FUND	FIXED INCOME	ONCOR ELECTRIC DELIVERY	60,507.93	40,000	0.03	7.5	9/1/2038
MML BLEND FUND	FIXED INCOME	TIME WARNER CABLE LLC	131,986.44	110,000	0.06	6.75	6/15/2039
MML BLEND FUND	FIXED INCOME	CITIGROUP INC	143,903.46	90,000	0.06	8.125	7/15/2039
MML BLEND FUND	FIXED INCOME	CENTURYLINK INC	144,900.00	140,000	0.06	6.15	9/15/2019
MML BLEND FUND	FIXED INCOME	ENTERPRISE PRODUCTS OPER	5,031.90	4,000	0.00	6.125	10/15/2039
MML BLEND FUND	FIXED INCOME	REPUBLIC OF COLOMBIA	748,650.00	620,000	0.32	6.125	1/18/2041
MML BLEND FUND	FIXED INCOME	MAJAPAHIT HOLDING BV	213,291.00	195,000	0.09	7.75	1/20/2020
MML BLEND FUND	FIXED INCOME	CISCO SYSTEMS INC	72,776.07	55,000	0.03	5.5	1/15/2040
MML BLEND FUND	FIXED INCOME	GNMA II TBA 30 YR 4	1,876,781.16	1,800,000	0.80	4	1/24/2048
MML BLEND FUND	FIXED INCOME	INCITEC PIVOT FIN LLC	195,969.72	185,000	0.08	6	12/10/2019
MML BLEND FUND	FIXED INCOME	CROWN CASTLE TOWERS LLC	179,204.23	170,000	0.08	6.113	1/15/2040
MML BLEND FUND	FIXED INCOME	BRAMBLES USA INC	94,701.18	90,000	0.04	5.35	4/1/2020
MML BLEND FUND	FIXED INCOME	KINDER MORGAN ENER PART	506,270.98	475,000	0.22	5.3	9/15/2020
MML BLEND FUND	FIXED INCOME	KINDER MORGAN ENER PART	105,221.83	90,000	0.05	6.55	9/15/2040
MML BLEND FUND	FIXED INCOME	FNMA POOL AD6437	106,754.99	97,807	0.05	5	6/1/2040
MML BLEND FUND	FIXED INCOME	QEP RESOURCES INC	280,800.00	260,000	0.12	6.875	3/1/2021
MML BLEND FUND	FIXED INCOME	SVB FINANCIAL GROUP	80,158.02	75,000	0.03	5.375	9/15/2020
MML BLEND FUND	FIXED INCOME	ASCIANO FINANCE LTD	108,529.97	105,000	0.05	4.625	9/23/2020
MML BLEND FUND	FIXED INCOME	PETROLEOS MEXICANOS	302,385.00	285,000	0.13	5.5	1/21/2021
MML BLEND FUND	FIXED INCOME	SLC STUDENT LOAN TRUST	123,722.15	125,000	0.05	1.65917	7/15/2036
MML BLEND FUND	FIXED INCOME	FNMA TBA 30 YR 3.5	6,034,267.73	5,875,000	2.58	3.5	1/18/2048
MML BLEND FUND	FIXED INCOME	CALIFORNIA ST	167,677.65	105,000	0.07	7.6	11/1/2040
MML BLEND FUND	FIXED INCOME	SOUTH CAROLINA ST STUDENT LOAN	171,941.40	170,000	0.07	2.288	10/27/2036
MML BLEND FUND	FIXED INCOME	KINDER MORGAN FIN CO LLC	150,263.71	150,000	0.06	6	1/15/2018
MML BLEND FUND	FIXED INCOME	FHLMC TBA 30 YR 3.5	1,181,265.63	1,150,000	0.51	3.5	1/18/2048
MML BLEND FUND	FIXED INCOME	ORANGE CNTY CA LOCAL TRANSPRTN	324,281.60	230,000	0.14	6.908	2/15/2041
MML BLEND FUND	FIXED INCOME	GNMA II TBA 30 YR 3.5	3,231,933.75	3,125,000	1.38	3.5	1/24/2048
MML BLEND FUND	FIXED INCOME	USF+G CAPITAL I	220,115.23	150,000	0.09	8.5	12/15/2045
MML BLEND FUND	FIXED INCOME	GNMA POOL 352021	2,484.80	2,273	0.00	7	11/15/2023
MML BLEND FUND	FIXED INCOME	FNMA POOL 524317	1,246.98	1,066	0.00	7.5	3/1/2030
MML BLEND FUND	FIXED INCOME	FED HM LN PC POOL C00470	17,248.83	14,995	0.01	8	8/1/2026
MML BLEND FUND	FIXED INCOME	FNMA POOL 522769	75.95	65	0.00	7.5	12/1/2029
MML BLEND FUND	FIXED INCOME	FNMA POOL 253481	2,729.08	2,306	0.00	8	10/1/2030
MML BLEND FUND	FIXED INCOME	FED HM LN PC POOL C01079	8,316.40	7,124	0.00	7.5	10/1/2030
MML BLEND FUND	FIXED INCOME	FED HM LN PC POOL C01135	24,038.71	20,639	0.01	7.5	2/1/2031
MML BLEND FUND	FIXED INCOME	FNMA POOL 253795	66,900.42	58,051	0.03	7	5/1/2031
MML BLEND FUND	FIXED INCOME	PANHANDLE PLAINS STUDENT FINAN	294,813.00	300,000	0.13	2.29	12/1/2031
MML BLEND FUND	FIXED INCOME	FNMA POOL 190317	1,057.09	897	0.00	8	8/1/2031
MML BLEND FUND	FIXED INCOME	FNMA POOL 596656	757.84	718	0.00	8	8/1/2031
MML BLEND FUND	FIXED INCOME	FNMA POOL 572844	27,162.69	23,373	0.01	7	4/1/2031
MML BLEND FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	549,622.44	550,000	0.24	4.892	12/15/2039
MML BLEND FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	50,000.00	50,000	0.02	0.5	6/17/2030
MML BLEND FUND	FIXED INCOME	MERRILL LYNCH MORTGAGE INVESTO	3,648.96	3,544	0.00	3.5875	7/25/2033
MML BLEND FUND	FIXED INCOME	TRI STATE 2003 SERIES A	16,666.15	16,620	0.01	6.04	1/31/2018
MML BLEND FUND	FIXED INCOME	WAMU MORTGAGE PASS THROUGH CER	76,207.97	75,650	0.03	2.46289	4/25/2044
MML BLEND FUND	FIXED INCOME	COUNTRYWIDE ASSET BACKED CERTI	36,559.10	36,692	0.02	2.01213	9/25/2034

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML BLEND FUND	FIXED INCOME	INDYMAC INDX MORTGAGE LOAN TRU	48,141.66	49,390	0.02	3.19023	8/25/2034
MML BLEND FUND	FIXED INCOME	MERRILL LYNCH MORTGAGE INVESTO	5,276.67	5,418	0.00	3.52457	2/25/2034
MML BLEND FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	160,000.00	160,000	0.07	0.5	3/15/2028
MML BLEND FUND	FIXED INCOME	GNMA POOL 363066	4,385.31	3,996	0.00	7	8/15/2023
MML BLEND FUND	FIXED INCOME	FNMA POOL 526380	6,951.98	5,847	0.00	8	5/1/2030
MML BLEND FUND	FIXED INCOME	GNMA POOL 359587	31.34	31	0.00	7	6/15/2023
MML BLEND FUND	FIXED INCOME	FNMA POOL 536949	1,742.91	1,459	0.00	8	5/1/2030
MML BLEND FUND	FIXED INCOME	GNMA POOL 337539	537.41	492	0.00	7	7/15/2023
MML BLEND FUND	FIXED INCOME	FNMA POOL 499386	1,591.48	1,369	0.00	7.5	9/1/2029
MML BLEND FUND	FIXED INCOME	FNMA POOL 531196	1,120.66	963	0.00	7.5	2/1/2030
MML BLEND FUND	FIXED INCOME	FNMA POOL 530299	294.52	260	0.00	7.5	3/1/2030
MML BLEND FUND	FIXED INCOME	FNMA POOL 253265	2,257.49	1,964	0.00	7.5	5/1/2030
MML BLEND FUND	FIXED INCOME	HYUNDAI CAPITAL AMERICA	135,281.07	135,000	0.06	2.875	8/9/2018
MML BLEND FUND	FIXED INCOME	VIACOM INC	125,581.29	123,000	0.05	4.25	9/1/2023
MML BLEND FUND	FIXED INCOME	PETROLEOS MEXICANOS	97,900.00	100,000	0.04	3.5	1/30/2023
MML BLEND FUND	FIXED INCOME	QVC INC	153,816.11	150,000	0.07	4.375	3/15/2023
MML BLEND FUND	FIXED INCOME	ALLY FINANCIAL INC	364,500.00	360,000	0.16	4.75	9/10/2018
MML BLEND FUND	FIXED INCOME	VERIZON COMMUNICATIONS	194,507.70	149,000	0.08	6.55	9/15/2043
MML BLEND FUND	FIXED INCOME	MAGELLAN MIDSTREAM PARTN	192,296.15	170,000	0.08	5.15	10/15/2043
MML BLEND FUND	FIXED INCOME	LAZARD GROUP LLC	624,947.56	600,000	0.27	4.25	11/14/2020
MML BLEND FUND	FIXED INCOME	WPP FINANCE 2010	233,979.45	204,000	0.10	5.625	11/15/2043
MML BLEND FUND	FIXED INCOME	DIAMOND RESORTS OWNER TRUST	307,043.45	307,886	0.13	2.27	5/20/2026
MML BLEND FUND	FIXED INCOME	FIVE CORNERS FUNDING TRS	230,400.15	215,000	0.10	4.419	11/15/2023
MML BLEND FUND	FIXED INCOME	VNO MORTGAGE TRUST	247,379.69	240,000	0.11	3.808	12/13/2029
MML BLEND FUND	FIXED INCOME	ARCH CAPITAL GRP US INC	198,291.03	170,000	0.08	5.144	11/1/2043
MML BLEND FUND	FIXED INCOME	LEGG MASON INC	195,103.32	175,000	0.08	5.625	1/15/2044
MML BLEND FUND	FIXED INCOME	HYUNDAI CAPITAL AMERICA	169,701.09	170,000	0.07	2.55	2/6/2019
MML BLEND FUND	FIXED INCOME	COMM MORTGAGE TRUST	335,211.20	319,000	0.14	3.961	3/10/2047
MML BLEND FUND	FIXED INCOME	MCKESSON CORP	65,294.22	60,000	0.03	4.883	3/15/2044
MML BLEND FUND	FIXED INCOME	AXIS SPECIALTY FINAN PLC	94,682.64	95,000	0.04	2.65	4/1/2019
MML BLEND FUND	FIXED INCOME	LEAR CORP	89,908.50	85,000	0.04	5.375	3/15/2024
MML BLEND FUND	FIXED INCOME	FREDDIE MAC	294,897.44	287,557	0.13	3.5	12/15/2038
MML BLEND FUND	FIXED INCOME	SUNOCO LOGISTICS PARTNER	74,017.41	75,000	0.03	5.3	4/1/2044
MML BLEND FUND	FIXED INCOME	PLAINS ALL AMER PIPELINE	93,485.21	100,000	0.04	4.7	6/15/2044
MML BLEND FUND	FIXED INCOME	GLENCORE FUNDING LLC	374,809.00	355,000	0.16	4.625	4/29/2024
MML BLEND FUND	FIXED INCOME	ADT CORP	481,800.00	440,000	0.21	6.25	10/15/2021
MML BLEND FUND	FIXED INCOME	ANTERO RESOURCES CORP	486,875.00	475,000	0.21	5.375	11/1/2021
MML BLEND FUND	FIXED INCOME	PENNSYLVANIA ELECTRIC CO	308,855.51	295,000	0.13	4.15	4/15/2025
MML BLEND FUND	FIXED INCOME	QVC INC	155,578.43	155,000	0.07	3.125	4/1/2019
MML BLEND FUND	FIXED INCOME	GNMA POOL 783896	826,101.42	795,015	0.35	3.5	5/15/2044
MML BLEND FUND	FIXED INCOME	MONSANTO CO	106,554.75	100,000	0.05	4.4	7/15/2044
MML BLEND FUND	FIXED INCOME	FS INVESTMENT CORP	394,623.29	390,000	0.17	4	7/15/2019
MML BLEND FUND	FIXED INCOME	AMERICAN INTL GROUP	215,420.35	200,000	0.09	4.5	7/16/2044
MML BLEND FUND	FIXED INCOME	GLOBAL SC FINANCE SRL	163,388.52	164,583	0.07	3.19	7/17/2029
MML BLEND FUND	FIXED INCOME	FANNIE MAE	399,865.50	385,409	0.17	4	10/25/2040
MML BLEND FUND	FIXED INCOME	SOUTH CAROLINA STUDENT LOAN CO	287,081.79	290,000	0.12	2.36069	1/3/2033
MML BLEND FUND	FIXED INCOME	MARATHON PETROLEUM CORP	104,482.85	100,000	0.04	4.75	9/15/2044
MML BLEND FUND	FIXED INCOME	AMER AIRLN 14 1 B PTT	33,911.67	33,202	0.01	4.375	4/1/2024
MML BLEND FUND	FIXED INCOME	BROWN + BROWN INC	72,330.31	69,000	0.03	4.2	9/15/2024
MML BLEND FUND	FIXED INCOME	UNITED MEXICAN STATES	731,964.00	724,000	0.31	4.75	3/8/2044
MML BLEND FUND	FIXED INCOME	PLAINS ALL AMER PIPELINE	192,112.92	191,000	0.08	3.65	6/1/2022
MML BLEND FUND	FIXED INCOME	ERICSSON LM	503,510.28	500,000	0.22	4.125	5/15/2022

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML BLEND FUND	FIXED INCOME	KINROSS GOLD CORP	390,937.50	375,000	0.17	5.125	9/1/2021
MML BLEND FUND	FIXED INCOME	WESTERN GAS PARTNERS	490,705.03	481,000	0.21	4	7/1/2022
MML BLEND FUND	FIXED INCOME	ICICI BANK LTD/DUBAI	396,010.41	395,000	0.17	4.7	2/21/2018
MML BLEND FUND	FIXED INCOME	CENOVUS ENERGY INC	198,752.46	200,000	0.09	3	8/15/2022
MML BLEND FUND	FIXED INCOME	GENERAL ELECTRIC CO	282,852.14	270,000	0.12	4.125	10/9/2042
MML BLEND FUND	FIXED INCOME	UNITEDHEALTH GROUP INC	57,168.78	55,000	0.02	3.95	10/15/2042
MML BLEND FUND	FIXED INCOME	KENNAMETAL INC	150,118.73	150,000	0.06	2.65	11/1/2019
MML BLEND FUND	FIXED INCOME	NATIONAL OILWELL VARCO I	190,513.39	216,000	0.08	3.95	12/1/2042
MML BLEND FUND	FIXED INCOME	AVNET INC	130,758.69	123,000	0.06	4.875	12/1/2022
MML BLEND FUND	EQUITY	ALLSTATE CORP	524,800.00	20,000	0.22		
MML BLEND FUND	FIXED INCOME	JOBSOHIO BEVERAGE SYS STWD LIQ	363,785.50	325,000	0.16	4.532	1/1/2035
MML BLEND FUND	FIXED INCOME	QVC INC	31,728.64	30,000	0.01	5.125	7/2/2022
MML BLEND FUND	FIXED INCOME	ARROW ELECTRONICS INC	84,147.56	80,000	0.04	4.5	3/1/2023
MML BLEND FUND	FIXED INCOME	INTL LEASE FINANCE CORP	271,236.34	270,000	0.12	3.875	4/15/2018
MML BLEND FUND	FIXED INCOME	CKE RESTAURANTS HOLDINGS INC	155,598.56	155,092	0.07	4.474	3/20/2043
MML BLEND FUND	FIXED INCOME	GOLDENTREE LOAN OPPORTUNITIES	490,153.87	490,052	0.21	2.51742	4/25/2025
MML BLEND FUND	FIXED INCOME	RELIANCE STEEL + ALUM	39,001.44	37,000	0.02	4.5	4/15/2023
MML BLEND FUND	FIXED INCOME	JPMORGAN CHASE + CO	142,304.68	140,000	0.06	3.375	5/1/2023
MML BLEND FUND	FIXED INCOME	LYB INTL FINANCE BV	203,529.21	175,000	0.09	5.25	7/15/2043
MML BLEND FUND	FIXED INCOME	CNH INDUSTRIAL CAPITAL L	116,600.88	116,000	0.05	3.625	4/15/2018
MML BLEND FUND	FIXED INCOME	FORD MOTOR CREDIT CO LLC	210,600.78	200,000	0.09	4.375	8/6/2023
MML BLEND FUND	FIXED INCOME	FED HM LN PC POOL G00924	17,577.22	15,267	0.01	8	3/1/2028
MML BLEND FUND	FIXED INCOME	FNMA POOL 521006	742.10	639	0.00	7.5	12/1/2029
MML BLEND FUND	FIXED INCOME	FNMA POOL 253183	3,860.10	3,324	0.00	7.5	4/1/2030
MML BLEND FUND	FIXED INCOME	EL PUERTO DE LIVERPOOL	447,225.00	445,000	0.19	3.95	10/2/2024
MML BLEND FUND	FIXED INCOME	PETROLEOS MEXICANOS	50,250.00	50,000	0.02	3.125	1/23/2019
MML BLEND FUND	FIXED INCOME	PETROLEOS MEXICANOS	80,428.00	80,000	0.03	6.375	1/23/2045
MML BLEND FUND	FIXED INCOME	STANDARD INDUSTRIES INC	257,143.80	246,000	0.11	5.375	11/15/2024
MML BLEND FUND	FIXED INCOME	CRONOS CONTAINERS PROGRAM LTD	195,913.06	197,222	0.08	3.27	11/18/2029
MML BLEND FUND	FIXED INCOME	ASSOC BANC CORP	508,647.48	494,000	0.22	4.25	1/15/2025
MML BLEND FUND	FIXED INCOME	ENTERGY LOUISIANA LLC	173,375.75	165,000	0.07	4.95	1/15/2045
MML BLEND FUND	FIXED INCOME	LENNAR CORP	529,545.00	516,000	0.23	4.5	11/15/2019
MML BLEND FUND	FIXED INCOME	ARES CAPITAL CORP	259,505.18	255,000	0.11	3.875	1/15/2020
MML BLEND FUND	FIXED INCOME	QVC INC	249,917.07	245,000	0.11	4.45	2/15/2025
MML BLEND FUND	FIXED INCOME	BECTON DICKINSON AND CO	246,036.59	225,000	0.11	4.685	12/15/2044
MML BLEND FUND	FIXED INCOME	SVB FINANCIAL GROUP	461,100.00	460,000	0.20	3.5	1/29/2025
MML BLEND FUND	FIXED INCOME	AFFILIATED MANAGERS GROU	293,247.46	290,000	0.13	3.5	8/1/2025
MML BLEND FUND	FIXED INCOME	PHILLIPS 66 PARTNERS LP	28,759.69	28,000	0.01	4.68	2/15/2045
MML BLEND FUND	FIXED INCOME	ARROW ELECTRONICS INC	258,415.64	255,000	0.11	3.5	4/1/2022
MML BLEND FUND	FIXED INCOME	ELEMENT RAIL LEASING LLC	63,596.69	65,141	0.03	2.707	2/19/2045
MML BLEND FUND	FIXED INCOME	ALLERGAN FUNDING SCS	105,816.63	100,000	0.05	4.55	3/15/2035
MML BLEND FUND	FIXED INCOME	ALLERGAN FUNDING SCS	202,265.73	190,000	0.09	4.75	3/15/2045
MML BLEND FUND	FIXED INCOME	VERIZON COMMUNICATIONS	387,483.78	372,000	0.17	4.862	8/21/2046
MML BLEND FUND	FIXED INCOME	CITIGROUP INC	575,290.52	562,000	0.25	3.875	3/26/2025
MML BLEND FUND	FIXED INCOME	XLIT LTD	106,249.51	100,000	0.05	5.5	3/31/2045
MML BLEND FUND	FIXED INCOME	XLIT LTD	404,007.11	395,000	0.17	4.45	3/31/2025
MML BLEND FUND	FIXED INCOME	AT+T INC	254,292.21	260,000	0.11	4.75	5/15/2046
MML BLEND FUND	FIXED INCOME	ABBVIE INC	185,010.33	165,000	0.08	4.7	5/14/2045
MML BLEND FUND	FIXED INCOME	ENLINK MIDSTREAM PARTNER	126,303.90	125,000	0.05	4.15	6/1/2025
MML BLEND FUND	FIXED INCOME	CNO FINANCIAL GROUP INC	490,575.00	465,000	0.21	5.25	5/30/2025
MML BLEND FUND	FIXED INCOME	WENDYS FUNDING LLC	465,015.84	464,313	0.20	3.371	6/15/2045
MML BLEND FUND	FIXED INCOME	WENDYS FUNDING LLC	310,200.87	303,025	0.13	4.08	6/15/2045

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML BLEND FUND	FIXED INCOME	CNH INDUSTRIAL CAPITAL L	231,725.00	230,000	0.10	3.375	7/15/2019
MML BLEND FUND	FIXED INCOME	ARCELORMITTAL	334,400.00	320,000	0.14	5.125	6/1/2020
MML BLEND FUND	FIXED INCOME	WELK RESORTS LLC	115,652.33	117,816	0.05	2.79	6/16/2031
MML BLEND FUND	FIXED INCOME	REYNOLDS AMERICAN INC	149,852.36	120,000	0.06	5.85	8/15/2045
MML BLEND FUND	FIXED INCOME	ENERGY TRANSFER LP	81,443.77	75,000	0.03	6.125	12/15/2045
MML BLEND FUND	FIXED INCOME	ENTERGY NEW ORLEANS STORE RECO	89,146.85	89,348	0.04	2.67	6/1/2027
MML BLEND FUND	FIXED INCOME	SPIRIT AIR 2015 1 PTT A	316,483.54	304,927	0.14	4.1	10/1/2029
MML BLEND FUND	FIXED INCOME	AERCAP IRELAND CAP/GLOBA	304,563.45	290,000	0.13	4.5	5/15/2021
MML BLEND FUND	FIXED INCOME	GNMA II POOL 784026	228,353.20	220,456	0.10	3.5	12/20/2044
MML BLEND FUND	FIXED INCOME	HILTON GRAND VACATIONS TRUST	43,282.73	43,583	0.02	2.28	1/25/2026
MML BLEND FUND	FIXED INCOME	AMERICAN AIRLINES GROUP	903,172.50	879,000	0.39	5.5	10/1/2019
MML BLEND FUND	FIXED INCOME	NELNET STUDENT LOAN TRUST	181,937.35	182,843	0.08	1.95862	1/25/2037
MML BLEND FUND	FIXED INCOME	EDLINC STUDENT LOAN FUNDING TR	312,640.64	270,000	0.13	5.79213	11/26/2040
MML BLEND FUND	FIXED INCOME	DBCRCRE MORTGAGE TRUST	169,771.19	165,000	0.07	4.2382	1/10/2034
MML BLEND FUND	FIXED INCOME	TURKIYE GARANTI BANKASI	451,683.90	445,000	0.19	4.75	10/17/2019
MML BLEND FUND	FIXED INCOME	NAVIENT STUDENT LOAN TRUST	193,091.18	220,000	0.08	2.8275	6/25/2048
MML BLEND FUND	FIXED INCOME	ARL LLC	566,171.58	574,284	0.24	2.92	6/15/2044
MML BLEND FUND	FIXED INCOME	FREDDIE MAC	421,537.93	415,961	0.18	3	8/15/2043
MML BLEND FUND	FIXED INCOME	FANNIE MAE	218,671.18	211,571	0.09	3.5	5/25/2025
MML BLEND FUND	FIXED INCOME	SPIRE INC	321,943.00	290,000	0.14	4.7	8/15/2044
MML BLEND FUND	FIXED INCOME	MIRAMAX LLC	139,441.84	139,328	0.06	3.34	7/20/2026
MML BLEND FUND	FIXED INCOME	ARES FINANCE CO LLC	341,492.32	355,000	0.15	4	10/8/2024
MML BLEND FUND	FIXED INCOME	NATIONS EQUIPMENT FINANCE FUND	2,421.24	2,422	0.00	1.558	7/20/2018
MML BLEND FUND	FIXED INCOME	CAPITAL AUTOMOTIVE REIT	160,071.74	160,000	0.07	3.66	10/15/2044
MML BLEND FUND	FIXED INCOME	ASSOC BANC CORP	461,562.80	460,000	0.20	2.75	11/15/2019
MML BLEND FUND	FIXED INCOME	DIAMOND RESORTS OWNER TRUST	46,857.13	46,901	0.02	2.54	5/20/2027
MML BLEND FUND	FIXED INCOME	NAVIENT STUDENT LOAN TRUST	152,344.11	155,000	0.07	2.8275	7/26/2049
MML BLEND FUND	FIXED INCOME	SPIRIT MASTER FUNDING, LLC	160,449.12	160,000	0.07	3.5014	1/20/2045
MML BLEND FUND	FIXED INCOME	INGRAM MICRO INC	201,616.57	203,000	0.09	5.45	12/15/2024
MML BLEND FUND	FIXED INCOME	321 HENDERSON RECEIVABLES LLC	50,490.53	51,131	0.02	3.26	9/15/2072
MML BLEND FUND	FIXED INCOME	COMM MORTGAGE TRUST	137,926.38	140,000	0.06	4.25385	5/10/2048
MML BLEND FUND	FIXED INCOME	AVERY POINT CLO LTD	571,713.99	570,000	0.24	2.84139	8/5/2027
MML BLEND FUND	FIXED INCOME	WILLIS NORTH AMERICA INC	104,028.90	97,000	0.04	7	9/29/2019
MML BLEND FUND	FIXED INCOME	GNMA II POOL 082462	80,694.81	78,314	0.03	2.375	1/20/2040
MML BLEND FUND	FIXED INCOME	FANNIE MAE	94,749.61	88,669	0.04	5.5	5/25/2040
MML BLEND FUND	FIXED INCOME	COLLEGE LOAN CORPORATION TRUST	105,477.97	130,000	0.05	1.182	1/25/2047
MML BLEND FUND	FIXED INCOME	ARCELORMITTAL	651,990.00	618,000	0.28	5.75	8/5/2020
MML BLEND FUND	FIXED INCOME	KNOWLEDGEWORKS FOUNDATION	169,629.43	168,726	0.07	2.41206	2/25/2042
MML BLEND FUND	FIXED INCOME	WELLS FARGO COMMERCIAL MORTGAG	22,019.57	21,753	0.01	3.349	11/15/2043
MML BLEND FUND	FIXED INCOME	STRUCTURED RECEIVABLES FINANCE	90,086.23	90,830	0.04	3.73	8/15/2036
MML BLEND FUND	FIXED INCOME	STEELCASE INC	109,439.53	100,000	0.05	6.375	2/15/2021
MML BLEND FUND	FIXED INCOME	DBUBS MORTGAGE TRUST	118,116.44	110,000	0.05	5.471	11/10/2046
MML BLEND FUND	FIXED INCOME	MASTR ASSET BACKED SECURITIES	92,873.14	92,686	0.04	2.27213	3/25/2035
MML BLEND FUND	FIXED INCOME	NORTH CAROLINA STATE EDUCATION	246,953.98	250,000	0.11	2.16742	7/25/2036
MML BLEND FUND	FIXED INCOME	MORGAN STANLEY CAPITAL I TRUST	263,560.18	250,000	0.11	5.2	6/15/2044
MML BLEND FUND	FIXED INCOME	321 HENDERSON RECEIVABLES LLC	73,678.07	77,423	0.03	1.70703	11/15/2040
MML BLEND FUND	FIXED INCOME	ACADEMIC LOAN FUNDING TRUST	494,412.14	495,000	0.21	2.4275	12/27/2044
MML BLEND FUND	FIXED INCOME	WF RBS COMMERCIAL MORTGAGE TRU	196,897.17	190,000	0.08	4.311	8/15/2045
MML BLEND FUND	FIXED INCOME	GNMA II POOL 082488	107,263.93	104,191	0.05	2.375	3/20/2040
MML BLEND FUND	FIXED INCOME	FAIRWAY OUTDOOR FUNDING LLC	387,082.30	379,590	0.17	4.212	10/15/2042
MML BLEND FUND	FIXED INCOME	COMM MORTGAGE TRUST	195,255.31	195,000	0.08	3.703	10/15/2045
MML BLEND FUND	FIXED INCOME	AAMES MORTGAGE INVESTMENT TRUS	45,479.27	45,606	0.02	2.4525	6/25/2035

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML BLEND FUND	FIXED INCOME	FNMA POOL AD6996	709,074.59	655,744	0.30	5	7/1/2040
MML BLEND FUND	FIXED INCOME	MATTEL INC	288,912.50	290,000	0.12	1.7	3/15/2018
MML BLEND FUND	FIXED INCOME	OHA CREDIT PARTNERS LTD	312,695.94	312,239	0.13	2.48261	4/20/2025
MML BLEND FUND	FIXED INCOME	TRANSELEC SA	186,154.25	175,000	0.08	4.625	7/26/2023
MML BLEND FUND	FIXED INCOME	ALLSTATE CORP	376,395.00	345,000	0.16	5.75	8/15/2053
MML BLEND FUND	FIXED INCOME	FNMA POOL AH6787	195,320.60	181,647	0.08	4.5	3/1/2041
MML BLEND FUND	FIXED INCOME	VALLEY NATIONAL BANCORP	262,267.00	245,000	0.11	5.125	9/27/2023
MML BLEND FUND	FIXED INCOME	OXFORD FINANCE FUNDING TRUST	220,835.14	220,000	0.09	3.968	6/17/2024
MML BLEND FUND	FIXED INCOME	WESTJET AIRLINES LTD	118,090.69	117,000	0.05	3.5	6/16/2021
MML BLEND FUND	FIXED INCOME	SOFI CONSUMER LOAN PROGRAM TRU	516,103.89	513,110	0.22	3.26	8/25/2025
MML BLEND FUND	FIXED INCOME	SBA TOWER TRUST	198,500.00	200,000	0.08	2.877	7/10/2046
MML BLEND FUND	FIXED INCOME	MOLSON COORS BREWING CO	91,712.10	90,000	0.04	4.2	7/15/2046
MML BLEND FUND	FIXED INCOME	ORACLE CORP	287,282.96	270,000	0.12	4	7/15/2046
MML BLEND FUND	FIXED INCOME	EXPRESS SCRIPTS HOLDING	207,438.65	195,000	0.09	4.8	7/15/2046
MML BLEND FUND	FIXED INCOME	HEALTHCARE TRUST OF AMER	196,915.47	200,000	0.08	3.5	8/1/2026
MML BLEND FUND	FIXED INCOME	ENLINK MIDSTREAM PARTNER	156,132.34	149,000	0.07	4.85	7/15/2026
MML BLEND FUND	FIXED INCOME	COMCAST CORP	208,154.32	220,000	0.09	3.4	7/15/2046
MML BLEND FUND	FIXED INCOME	SMB PRIVATE EDUCATION LOAN TRU	240,721.39	245,000	0.10	2.43	2/17/2032
MML BLEND FUND	FIXED INCOME	CPS AUTO TRUST	44,397.80	44,462	0.02	1.62	1/15/2020
MML BLEND FUND	FIXED INCOME	TEVA PHARMACEUTICALS NE	406,494.37	445,000	0.17	2.2	7/21/2021
MML BLEND FUND	FIXED INCOME	TEVA PHARMACEUTICALS NE	97,159.63	100,000	0.04	1.7	7/19/2019
MML BLEND FUND	FIXED INCOME	TEVA PHARMACEUTICALS NE	57,112.81	75,000	0.02	4.1	10/1/2046
MML BLEND FUND	FIXED INCOME	MARLETTE FUNDING TRUST	101,051.47	100,873	0.04	3.06	1/17/2023
MML BLEND FUND	FIXED INCOME	KRAFT HEINZ FOODS CO	303,118.27	315,000	0.13	3	6/1/2026
MML BLEND FUND	FIXED INCOME	DOLLAR TREE INC	492,325.00	470,000	0.21	5.75	3/1/2023
MML BLEND FUND	FIXED INCOME	FIRST REPUBLIC BANK	700,291.63	685,000	0.30	4.375	8/1/2046
MML BLEND FUND	FIXED INCOME	SOFI CONSUMER LOAN PROGRAM TRU	350,392.66	348,663	0.15	3.09	10/27/2025
MML BLEND FUND	FIXED INCOME	NAVIENT STUDENT LOAN TRUST	462,882.88	452,042	0.20	2.80213	6/25/2065
MML BLEND FUND	FIXED INCOME	WEINGARTEN REALTY INVEST	81,581.89	85,000	0.03	3.25	8/15/2026
MML BLEND FUND	FIXED INCOME	DUKE ENERGY CORP	192,837.63	195,000	0.08	3.75	9/1/2046
MML BLEND FUND	FIXED INCOME	BUNGE LTD FINANCE CORP	157,685.43	165,000	0.07	3.25	8/15/2026
MML BLEND FUND	FIXED INCOME	ECMC GROUP STUDENT LOAN TRUST	553,281.00	548,216	0.24	2.6775	7/26/2066
MML BLEND FUND	FIXED INCOME	MPLX LP	398,679.75	372,000	0.17	4.875	6/1/2025
MML BLEND FUND	FIXED INCOME	TCI SYMPHONY CLO	345,864.32	340,000	0.15	2.83861	10/13/2029
MML BLEND FUND	FIXED INCOME	SOCIAL PROFESSIONAL LOAN PROGR	108,241.66	107,156	0.05	2.50213	1/25/2039
MML BLEND FUND	FIXED INCOME	VSE VOI MORTGAGE LLC	283,701.56	286,137	0.12	2.54	7/20/2033
MML BLEND FUND	FIXED INCOME	TIFFANY + CO	166,551.23	165,000	0.07	4.9	10/1/2044
MML BLEND FUND	FIXED INCOME	WENDYS FUNDING LLC	423,172.70	415,438	0.18	4.497	6/15/2045
MML BLEND FUND	FIXED INCOME	GALAXY CLO LTD	425,442.43	425,000	0.18	2.81261	7/20/2027
MML BLEND FUND	FIXED INCOME	BLUEMOUNTAIN CLO LTD	381,789.80	380,000	0.16	2.78389	7/18/2027
MML BLEND FUND	FIXED INCOME	NELNET STUDENT LOAN TRUST	135,762.74	150,000	0.06	2.8275	6/25/2054
MML BLEND FUND	FIXED INCOME	NAVIENT STUDENT LOAN TRUST	149,999.81	150,000	0.06	2.8275	10/25/2058
MML BLEND FUND	FIXED INCOME	GLS AUTO RECEIVABLES TRUST	11,342.58	11,348	0.00	2.25	12/15/2020
MML BLEND FUND	FIXED INCOME	BM1047901 CDS USD R F 3.00000	426,840.55	500,000	0.18	3	11/17/2045
MML BLEND FUND	FIXED INCOME	BM1047901 CDS USD P V 01MEVENT	(500,000.00)	(500,000)	0.21	1	11/17/2045
MML BLEND FUND	FIXED INCOME	CAZENOVIA CREEK FUNDING LLC	37,328.69	37,469	0.02	2	12/10/2023
MML BLEND FUND	FIXED INCOME	321 HENDERSON RECEIVABLES LLC	98,049.45	94,620	0.04	3.87	3/15/2058
MML BLEND FUND	FIXED INCOME	SMB PRIVATE EDUCATION LOAN TRU	193,517.97	192,124	0.08	2.67703	7/15/2027
MML BLEND FUND	FIXED INCOME	DRUG ROYALTY CORPORATION, INC.	13,489.45	13,462	0.01	5.8	7/15/2024
MML BLEND FUND	FIXED INCOME	ORANGE LAKE TIMESHARE TRUST	37,370.80	37,899	0.02	2.29	7/9/2029
MML BLEND FUND	FIXED INCOME	HELMERICH + PAYNE INTL	200,003.37	190,000	0.09	4.65	3/15/2025
MML BLEND FUND	FIXED INCOME	SANTANDER DRIVE AUTO RECEIVABL	251,697.83	250,000	0.11	2.97	3/15/2021

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML BLEND FUND	FIXED INCOME	DRB PRIME STUDENT LOAN TRUST	160,767.94	160,035	0.07	3.17	7/25/2031
MML BLEND FUND	FIXED INCOME	DRB PRIME STUDENT LOAN TRUST	46,800.11	45,822	0.02	3.23756	10/27/2031
MML BLEND FUND	FIXED INCOME	SBA TOWER TRUST	211,575.00	210,000	0.09	3.156	10/10/2045
MML BLEND FUND	FIXED INCOME	DOMINOS PIZZA MASTER ISSUER LL	504,939.76	502,350	0.22	3.484	10/25/2045
MML BLEND FUND	FIXED INCOME	DOMINOS PIZZA MASTER ISSUER LL	542,775.39	531,900	0.23	4.474	10/25/2045
MML BLEND FUND	FIXED INCOME	CVS HEALTH CORP	219,935.24	175,000	0.09	6.125	9/15/2039
MML BLEND FUND	FIXED INCOME	OSCAR US FUNDING TRUST	687,141.33	690,000	0.29	2.99	12/15/2023
MML BLEND FUND	FIXED INCOME	PITNEY BOWES INC	451,050.00	485,000	0.19	3.625	10/1/2021
MML BLEND FUND	FIXED INCOME	SPRINGCASTLE SPV	196,941.35	195,728	0.08	3.05	4/25/2029
MML BLEND FUND	FIXED INCOME	SHIRE ACQ INV IRELAND DA	93,392.07	95,000	0.04	2.875	9/23/2023
MML BLEND FUND	FIXED INCOME	MPLX LP	139,954.88	136,000	0.06	5.5	2/15/2023
MML BLEND FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	386,445.23	409,864	0.17	1.57742	10/25/2040
MML BLEND FUND	FIXED INCOME	DRB PRIME STUDENT LOAN TRUST	719,706.89	712,581	0.31	3.46375	10/25/2044
MML BLEND FUND	FIXED INCOME	SOFI CONSUMER LOAN PROGRAM TRU	226,215.90	225,136	0.10	3.05	12/26/2025
MML BLEND FUND	FIXED INCOME	NAVIENT STUDENT LOAN TRUST	2,210,714.71	2,150,000	0.95	2.85213	3/25/2066
MML BLEND FUND	FIXED INCOME	CNH INDUSTRIAL CAP LLC	508,770.00	500,000	0.22	3.875	10/15/2021
MML BLEND FUND	FIXED INCOME	NEW RESIDENTIAL ADVANCE RECEIV	1,620,638.42	1,650,000	0.69	2.8332	10/16/2051
MML BLEND FUND	FIXED INCOME	ORANGE LAKE TIMESHARE TRUST	168,252.12	171,101	0.07	2.91	3/8/2029
MML BLEND FUND	FIXED INCOME	VELOCITY COMMERCIAL CAPITAL LO	257,917.70	257,942	0.11	2.99694	10/25/2046
MML BLEND FUND	FIXED INCOME	LAZARD GROUP LLC	183,619.60	184,000	0.08	3.625	3/1/2027
MML BLEND FUND	FIXED INCOME	US TREASURY N/B	2,187,521.12	2,260,000	0.94	2	11/15/2026
MML BLEND FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	298,080.75	300,000	0.13	2.11742	10/25/2040
MML BLEND FUND	FIXED INCOME	FNMA POOL 564594	11,952.33	10,437	0.01	7	1/1/2031
MML BLEND FUND	FIXED INCOME	MORGAN STANLEY MORTGAGE LOAN T	252.08	237	0.00	3.49997	2/25/2034
MML BLEND FUND	FIXED INCOME	GOAL CAPITAL FUNDING TRUST	149,445.93	160,748	0.06	1.91206	8/25/2042
MML BLEND FUND	FIXED INCOME	COUNTRYWIDE HOME LOANS	6,987.48	7,502	0.00	3.88685	9/25/2033
MML BLEND FUND	FIXED INCOME	NELNET STUDENT LOAN TRUST	298,701.56	301,926	0.13	1.75793	3/23/2037
MML BLEND FUND	FIXED INCOME	NELNET STUDENT LOAN TRUST	100,228.70	116,553	0.04	1.92464	6/25/2041
MML BLEND FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	164,983.53	180,067	0.07	1.51742	4/25/2040
MML BLEND FUND	FIXED INCOME	SLC STUDENT LOAN TRUST	10,858.81	10,859	0.00	1.52917	7/15/2036
MML BLEND FUND	FIXED INCOME	KINDER MORGAN ENER PART	140,433.01	120,000	0.06	6.5	2/1/2037
MML BLEND FUND	FIXED INCOME	JP MORGAN CHASE COMMERCIAL MOR	81,724.55	81,858	0.03	5.466	6/12/2047
MML BLEND FUND	FIXED INCOME	NELNET STUDENT LOAN TRUST	187,802.80	200,000	0.08	2.347	3/22/2032
MML BLEND FUND	FIXED INCOME	LONG BEACH MORTGAGE LOAN TRUST	49,012.50	48,880	0.02	2.34713	2/25/2035
MML BLEND FUND	FIXED INCOME	SIERRA RECEIVABLES FUNDING CO	33,502.43	33,686	0.01	3.08	9/20/2032
MML BLEND FUND	FIXED INCOME	FIRST HORIZON NATIONAL	638,238.19	625,000	0.27	3.5	12/15/2020
MML BLEND FUND	FIXED INCOME	MICROSOFT CORP	386,791.86	330,000	0.17	4.45	11/3/2045
MML BLEND FUND	FIXED INCOME	ALLY FINANCIAL INC	486,212.50	485,000	0.21	3.25	11/5/2018
MML BLEND FUND	FIXED INCOME	ARBYS FUNDING LLC	320,289.31	313,600	0.14	4.969	10/30/2045
MML BLEND FUND	FIXED INCOME	BLUE VIRGO	214,369.39	213,895	0.09	3	12/15/2022
MML BLEND FUND	FIXED INCOME	IPALCO ENTERPRISES INC	621,150.00	615,000	0.27	3.45	7/15/2020
MML BLEND FUND	FIXED INCOME	BUNGE LTD FINANCE CORP	163,337.85	160,000	0.07	3.5	11/24/2020
MML BLEND FUND	FIXED INCOME	BANK OF NOVA SCOTIA	210,391.33	200,000	0.09	4.5	12/16/2025
MML BLEND FUND	FIXED INCOME	PUGET ENERGY INC	358,810.26	350,000	0.15	3.65	5/15/2025
MML BLEND FUND	FIXED INCOME	AMERICAN TOWER CORP	147,221.85	140,000	0.06	4.4	2/15/2026
MML BLEND FUND	FIXED INCOME	ANHEUSER BUSCH INBEV FIN	666,418.68	575,000	0.29	4.9	2/1/2046
MML BLEND FUND	FIXED INCOME	STANDARD INDUSTRIES INC	185,565.00	178,000	0.08	5.5	2/15/2023
MML BLEND FUND	FIXED INCOME	EXPRESS SCRIPTS HOLDING	191,017.31	180,000	0.08	4.5	2/25/2026
MML BLEND FUND	FIXED INCOME	ELEMENT RAIL LEASING LLC	184,792.61	181,963	0.08	3.968	3/19/2046
MML BLEND FUND	FIXED INCOME	TRINITY ACQUISITION PLC	275,265.17	270,000	0.12	3.5	9/15/2021
MML BLEND FUND	FIXED INCOME	TRINITY ACQUISITION PLC	74,031.21	70,000	0.03	4.4	3/15/2026
MML BLEND FUND	FIXED INCOME	FNMA POOL AL8173	279,977.19	259,219	0.12	5	2/1/2044

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML BLEND FUND	FIXED INCOME	OSCAR US FUNDING TRUST	82,443.79	82,020	0.04	2.95028	7/15/2020
MML BLEND FUND	FIXED INCOME	AIRCATTLE LTD	289,781.25	275,000	0.12	5	4/1/2023
MML BLEND FUND	FIXED INCOME	ANDEAVOR LOGIS LP/CORP	102,914.09	97,000	0.04	6.25	10/15/2022
MML BLEND FUND	FIXED INCOME	AMCOR FINANCE USA INC	482,837.47	490,000	0.21	3.625	4/28/2026
MML BLEND FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	741,828.98	750,000	0.32	1.91742	10/25/2064
MML BLEND FUND	FIXED INCOME	TACO BELL FUNDING, LLC	390,523.26	385,125	0.17	3.832	5/25/2046
MML BLEND FUND	FIXED INCOME	US TREASURY N/B	5,585,213.43	5,870,000	2.39	2.5	5/15/2046
MML BLEND FUND	FIXED INCOME	DRB PRIME STUDENT LOAN TRUST	252,747.62	252,221	0.11	2.89	6/25/2040
MML BLEND FUND	FIXED INCOME	DELL INT LLC / EMC CORP	83,799.00	76,000	0.04	6.02	6/15/2026
MML BLEND FUND	FIXED INCOME	DELL INT LLC / EMC CORP	455,637.34	450,000	0.20	3.48	6/1/2019
MML BLEND FUND	FIXED INCOME	SMB PRIVATE EDUCATION LOAN TRU	447,453.18	450,000	0.19	2.7	5/15/2031
MML BLEND FUND	FIXED INCOME	DRIVE AUTO RECEIVABLES TRUST	73,136.14	73,067	0.03	2.56	6/15/2020
MML BLEND FUND	FIXED INCOME	SOCIAL PROFESSIONAL LOAN PROGR	296,655.69	300,000	0.13	2.74	10/25/2032
MML BLEND FUND	FIXED INCOME	BAXALTA INC	163,160.19	140,000	0.07	5.25	6/23/2045
MML BLEND FUND	FIXED INCOME	FLIR SYSTEMS INC	196,442.67	195,000	0.08	3.125	6/15/2021
MML BLEND FUND	FIXED INCOME	REINSURANCE GRP OF AMER	367,924.25	360,000	0.16	3.95	9/15/2026
MML BLEND FUND	FIXED INCOME	VALE OVERSEAS LIMITED	517,275.00	475,000	0.22	5.875	6/10/2021
MML BLEND FUND	FIXED INCOME	BECTON DICKINSON AND CO	240,670.49	240,000	0.10	3.363	6/6/2024
MML BLEND FUND	FIXED INCOME	BECTON DICKINSON AND CO	297,274.50	295,000	0.13	3.7	6/6/2027
MML BLEND FUND	FIXED INCOME	ARROW ELECTRONICS INC	144,565.30	145,000	0.06	3.875	1/12/2028
MML BLEND FUND	FIXED INCOME	UDR INC	219,949.10	220,000	0.09	3.5	7/1/2027
MML BLEND FUND	FIXED INCOME	FED HM LN PC POOL Q48869	961,947.22	903,767	0.41	4.5	6/1/2047
MML BLEND FUND	FIXED INCOME	DOMINOS PIZZA MASTER ISSUER LL	112,072.18	109,725	0.05	4.118	7/25/2047
MML BLEND FUND	FIXED INCOME	SABINE PASS LIQUEFACTION	242,827.17	240,000	0.10	4.2	3/15/2028
MML BLEND FUND	FIXED INCOME	EDP FINANCE BV	422,992.08	420,000	0.18	3.625	7/15/2024
MML BLEND FUND	FIXED INCOME	LENDMARK FUNDING TRUST	199,477.24	200,000	0.09	2.83	12/22/2025
MML BLEND FUND	FIXED INCOME	MARLETTE FUNDING TRUST	140,279.01	140,000	0.06	3.19	7/15/2024
MML BLEND FUND	FIXED INCOME	ATHENE GLOBAL FUNDING	361,267.29	365,000	0.15	3	7/1/2022
MML BLEND FUND	FIXED INCOME	KINROSS GOLD CORP	167,037.50	166,000	0.07	4.5	7/15/2027
MML BLEND FUND	FIXED INCOME	NABORS INDUSTRIES INC	208,550.00	215,000	0.09	5.5	1/15/2023
MML BLEND FUND	FIXED INCOME	DXC TECHNOLOGY CO	90,437.81	90,000	0.04	2.875	3/27/2020
MML BLEND FUND	FIXED INCOME	DXC TECHNOLOGY CO	292,438.31	275,000	0.13	4.75	4/15/2027
MML BLEND FUND	FUTURE	US ULTRA BOND CBT MAR18	-	1,800,000	0.01	0	3/20/2018
MML BLEND FUND	FIXED INCOME	NAVIENT STUDENT LOAN TRUST	706,677.51	700,000	0.30	2.55213	9/27/2066
MML BLEND FUND	FIXED INCOME	JPMORGAN CHASE + CO	207,208.99	205,000	0.09	3.625	12/1/2027
MML BLEND FUND	FIXED INCOME	PLAINS ALL AMER PIPELINE	212,876.98	210,000	0.09	4.5	12/15/2026
MML BLEND FUND	FIXED INCOME	SPS SERVICER ADVANCE RECEIVABL	669,162.70	670,000	0.29	2.75	11/15/2049
MML BLEND FUND	FIXED INCOME	SOFI CONSUMER LOAN PROGRAM TRU	1,080,957.60	1,078,273	0.46	3.06	9/25/2028
MML BLEND FUND	FIXED INCOME	ABBOTT LABORATORIES	128,358.27	125,000	0.05	3.75	11/30/2026
MML BLEND FUND	FIXED INCOME	ABBOTT LABORATORIES	131,847.16	115,000	0.06	4.9	11/30/2046
MML BLEND FUND	FIXED INCOME	BANK OF AMERICA CORP	485,583.85	465,000	0.21	4.183	11/25/2027
MML BLEND FUND	FIXED INCOME	CHARTER COMM OPT LLC/CAP	254,577.19	244,000	0.11	4.464	7/23/2022
MML BLEND FUND	FIXED INCOME	CHARTER COMM OPT LLC/CAP	262,334.24	225,000	0.11	6.484	10/23/2045
MML BLEND FUND	FIXED INCOME	CHARTER COMM OPT LLC/CAP	275,033.09	270,000	0.12	3.579	7/23/2020
MML BLEND FUND	FIXED INCOME	AVNET INC	30,431.52	30,000	0.01	3.75	12/1/2021
MML BLEND FUND	FIXED INCOME	FORD MOTOR COMPANY	87,056.73	80,000	0.04	5.291	12/8/2046
MML BLEND FUND	FIXED INCOME	PETROLEOS MEXICANOS	65,580.00	60,000	0.03	6.5	3/13/2027
MML BLEND FUND	FIXED INCOME	TREMAN PARK CLO LTD	490,813.89	490,000	0.21	2.73261	4/20/2027
MML BLEND FUND	FIXED INCOME	NELNET PRIVATE EDUCATION LOAN	183,429.43	185,833	0.08	3.6	12/26/2040
MML BLEND FUND	FIXED INCOME	FNMA POOL BF0094	1,114,370.94	1,058,981	0.48	4	5/1/2056
MML BLEND FUND	FIXED INCOME	PBF HOLDING CO LLC	182,000.00	175,000	0.08	7	11/15/2023
MML BLEND FUND	FIXED INCOME	BARCLAYS PLC	269,090.89	260,000	0.12	4.337	1/10/2028

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML BLEND FUND	FIXED INCOME	CREDIT SUISSE GROUP AG	260,649.94	250,000	0.11	4.282	1/9/2028
MML BLEND FUND	FIXED INCOME	ENERGY TRANSFER LP	164,142.35	165,000	0.07	4.2	4/15/2027
MML BLEND FUND	FIXED INCOME	PARK AEROSPACE HOLDINGS	347,812.50	350,000	0.15	5.25	8/15/2022
MML BLEND FUND	FIXED INCOME	PETROLEOS MEXICANOS	102,875.00	100,000	0.04	4.625	9/21/2023
MML BLEND FUND	FIXED INCOME	TECH DATA CORP	130,403.13	130,000	0.06	3.7	2/15/2022
MML BLEND FUND	FIXED INCOME	MOSAIC SOLAR LOANS LLC	82,255.62	80,618	0.04	4.45	6/20/2042
MML BLEND FUND	FIXED INCOME	FNMA POOL BF0105	282,282.65	268,252	0.12	4	6/1/2056
MML BLEND FUND	FIXED INCOME	CARLYLE GLOBAL MARKET STRATEGI	250,485.25	250,000	0.11	2.55917	10/15/2026
MML BLEND FUND	FIXED INCOME	CROWN CASTLE INTL CORP	122,691.17	120,000	0.05	4	3/1/2027
MML BLEND FUND	FIXED INCOME	AT+T INC	200,948.53	190,000	0.09	5.25	3/1/2037
MML BLEND FUND	FIXED INCOME	AT+T INC	261,148.14	255,000	0.11	3.8	3/1/2024
MML BLEND FUND	FIXED INCOME	STANDARD INDUSTRIES INC	481,597.50	471,000	0.21	5	2/15/2027
MML BLEND FUND	FIXED INCOME	DISCOVER FINANCIAL SVS	271,447.81	265,000	0.12	4.1	2/9/2027
MML BLEND FUND	FIXED INCOME	MPLX LP	38,409.93	35,000	0.02	5.2	3/1/2047
MML BLEND FUND	FIXED INCOME	NAVIENT STUDENT LOAN TRUST	767,846.33	750,000	0.33	2.70213	7/26/2066
MML BLEND FUND	FIXED INCOME	SUTTONPARK STRUCTURED SETTLEME	346,787.98	347,562	0.15	4.19	1/15/2071
MML BLEND FUND	FIXED INCOME	SYMPHONY CLO LTD	431,270.65	430,000	0.18	2.53333	10/17/2026
MML BLEND FUND	FIXED INCOME	SOFI CONSUMER LOAN PROGRAM TRU	404,973.15	402,400	0.17	3.28	2/25/2026
MML BLEND FUND	FIXED INCOME	RPM INTERNATIONAL INC	111,307.40	110,000	0.05	3.75	3/15/2027
MML BLEND FUND	FIXED INCOME	SHERWIN WILLIAMS CO	114,801.14	105,000	0.05	4.5	6/1/2047
MML BLEND FUND	FIXED INCOME	AIMCO	250,417.00	250,000	0.11	2.46261	7/20/2026
MML BLEND FUND	FIXED INCOME	ACCESS GROUP INC	125,689.47	133,318	0.05	2.52	7/1/2038
MML BLEND FUND	FIXED INCOME	TIAA SEASONED COMMERCIAL MORTG	25,804.66	25,863	0.01	5.476	8/15/2039
MML BLEND FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	136,000.00	136,000	0.06	0.5	3/15/2028
MML BLEND FUND	FIXED INCOME	FANNIE MAE BENCHMARK REMIC	117,690.01	109,093	0.05	5.5	6/25/2037
MML BLEND FUND	FIXED INCOME	FNMA POOL 725692	51,470.22	49,793	0.02	3.229	10/1/2033
MML BLEND FUND	FIXED INCOME	WEATHERFORD BERMUDA	75,090.00	75,000	0.03	6	3/15/2018
MML BLEND FUND	FIXED INCOME	BANK OF AMERICA CORP	142,346.67	95,000	0.06	7.75	5/14/2038
MML BLEND FUND	FIXED INCOME	FREDDIE MAC	89,567.74	82,590	0.04	5.5	3/15/2038
MML BLEND FUND	FIXED INCOME	AVERY POINT CLO LTD	250,647.00	250,000	0.11	2.47389	1/18/2025
MML BLEND FUND	FIXED INCOME	MID AMERICA APARTMENTS	155,264.38	155,000	0.07	3.6	6/1/2027
MML BLEND FUND	FIXED INCOME	ECMC GROUP STUDENT LOAN TRUST	410,327.55	405,653	0.18	2.75213	12/27/2066
MML BLEND FUND	FIXED INCOME	ENSTAR GROUP LTD	142,584.46	140,000	0.06	4.5	3/10/2022
MML BLEND FUND	FIXED INCOME	BROOKFIELD FINANCE LLC	471,028.16	455,000	0.20	4	4/1/2024
MML BLEND FUND	FIXED INCOME	HOST HOTELS + RESORTS LP	249,265.12	245,000	0.11	3.875	4/1/2024
MML BLEND FUND	FIXED INCOME	FULTON FINANCIAL CORP	230,915.14	230,000	0.10	3.6	3/16/2022
MML BLEND FUND	FIXED INCOME	HUMANA INC	258,846.13	250,000	0.11	3.95	3/15/2027
MML BLEND FUND	FIXED INCOME	HUMANA INC	140,942.56	125,000	0.06	4.8	3/15/2047
MML BLEND FUND	FIXED INCOME	VERIZON COMMUNICATIONS	182,474.77	175,000	0.08	4.125	3/16/2027
MML BLEND FUND	FIXED INCOME	OSCAR US FUNDING TRUST	150,497.10	150,000	0.06	3.3	5/10/2024
MML BLEND FUND	FIXED INCOME	GENPACT LUXEMBOURG SARL	357,799.05	360,000	0.15	3.7	4/1/2022
MML BLEND FUND	FIXED INCOME	BANCO SANTANDER SA	207,337.93	200,000	0.09	4.25	4/11/2027
MML BLEND FUND	FIXED INCOME	SBA TOWER TRUST	258,814.79	260,000	0.11	3.168	4/9/2047
MML BLEND FUND	FIXED INCOME	NAVIENT STUDENT LOAN TRUST	307,840.05	300,000	0.13	2.60213	7/26/2066
MML BLEND FUND	FIXED INCOME	HELIOS ISSUER, LLC	250,507.80	244,469	0.11	4.94	9/20/2049
MML BLEND FUND	FIXED INCOME	BANK OF AMERICA CORP	260,287.33	240,000	0.11	4.244	4/24/2038
MML BLEND FUND	FIXED INCOME	FED HM LN PC POOL Q47730	252,718.46	238,916	0.11	4	4/1/2047
MML BLEND FUND	FIXED INCOME	FED HM LN PC POOL Q47742	204,940.22	193,747	0.09	4	4/1/2047
MML BLEND FUND	FIXED INCOME	CNA FINANCIAL CORP	182,309.61	185,000	0.08	3.45	8/15/2027
MML BLEND FUND	FIXED INCOME	ARES CAPITAL CORP	502,437.80	510,000	0.22	3.5	2/10/2023
MML BLEND FUND	FIXED INCOME	AMAZON.COM INC	323,315.03	300,000	0.14	4.05	8/22/2047
MML BLEND FUND	FIXED INCOME	TRITON CONTAINER FINANCE LLC	835,246.21	834,357	0.36	3.62	8/20/2042

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML BLEND FUND	FIXED INCOME	IPALCO ENTERPRISES INC	169,845.54	170,000	0.07	3.7	9/1/2024
MML BLEND FUND	FIXED INCOME	US TREASURY N/B	5,510,736.54	5,650,000	2.36	1.625	8/31/2022
MML BLEND FUND	FIXED INCOME	ARROW ELECTRONICS INC	151,882.10	155,000	0.07	3.25	9/8/2024
MML BLEND FUND	FIXED INCOME	NAVIAL STUDENT LOAN TRUST	506,676.49	504,936	0.22	2.35213	7/26/2066
MML BLEND FUND	FIXED INCOME	SOCIAL PROFESSIONAL LOAN PROGR	485,721.00	500,000	0.21	3.61	9/25/2040
MML BLEND FUND	FUTURE	US 2YR NOTE (CBT) MAR18	-	11,800,000	0.00	0	3/29/2018
MML BLEND FUND	FUTURE	US 5YR NOTE (CBT) MAR18	-	15,000,000	0.03	0	3/29/2018
MML BLEND FUND	FIXED INCOME	CHURCH + DWIGHT CO INC	83,744.48	85,000	0.04	3.15	8/1/2027
MML BLEND FUND	FIXED INCOME	DAE FUNDING LLC	174,730.00	173,000	0.07	4	8/1/2020
MML BLEND FUND	FIXED INCOME	CROWN CASTLE INTL CORP	262,252.25	265,000	0.11	3.2	9/1/2024
MML BLEND FUND	FIXED INCOME	DRB PRIME STUDENT LOAN TRUST	187,154.10	190,000	0.08	3.02	8/25/2042
MML BLEND FUND	FIXED INCOME	AT+T INC	307,037.94	305,000	0.13	3.9	8/14/2027
MML BLEND FUND	FIXED INCOME	AT+T INC	202,518.94	200,000	0.09	4.9	8/14/2037
MML BLEND FUND	FIXED INCOME	AT+T INC	331,694.32	330,000	0.14	3.4	8/14/2024
MML BLEND FUND	FIXED INCOME	KIMCO REALTY CORP	158,752.75	160,000	0.07	3.3	2/1/2025
MML BLEND FUND	FIXED INCOME	US TREASURY N/B	2,405,878.06	2,440,000	1.03	2.25	8/15/2027
MML BLEND FUND	FIXED INCOME	GENERAL MOTORS CO	138,599.97	130,000	0.06	5.15	4/1/2038
MML BLEND FUND	FIXED INCOME	GENERAL MOTORS CO	222,785.17	215,000	0.10	4.2	10/1/2027
MML BLEND FUND	FIXED INCOME	SHERWIN WILLIAMS CO	133,635.79	125,000	0.06	7.25	6/15/2019
MML BLEND FUND	FIXED INCOME	CENOVUS ENERGY INC	299,277.43	300,000	0.13	4.25	4/15/2027
MML BLEND FUND	FIXED INCOME	QUALCOMM INC	206,518.16	205,000	0.09	4.3	5/20/2047
MML BLEND FUND	FIXED INCOME	PITNEY BOWES INC	133,650.00	135,000	0.06	3.625	9/15/2020
MML BLEND FUND	FIXED INCOME	PARK AEROSPACE HOLDINGS	238,750.00	250,000	0.10	4.5	3/15/2023
MML BLEND FUND	FIXED INCOME	SUNOCO LOGISTICS PARTNER	225,526.57	230,000	0.10	4	10/1/2027
MML BLEND FUND	FIXED INCOME	EQT CORP	511,978.04	515,000	0.22	3.9	10/1/2027
MML BLEND FUND	FIXED INCOME	GNMA II POOL MA4778	2,267,268.66	2,189,358	0.97	3.5	10/20/2047
MML BLEND FUND	FIXED INCOME	CLEVELAND ELECTRIC ILLUM	155,169.24	155,000	0.07	3.5	4/1/2028
MML BLEND FUND	FIXED INCOME	FNMA POOL MA3210	332,950.96	323,966	0.14	3.5	12/1/2047
MML BLEND FUND	FIXED INCOME	PLAINS ALL AMERICAN PIPE	384,422.50	385,000	0.16	6.125	12/31/2099
MML BLEND FUND	FIXED INCOME	BANK OF NOVA SCOTIA	188,869.50	190,000	0.08	4.65	12/31/2099
MML BLEND FUND	CASH EQUIVALENT	GLENCORE FUNDING LLC	1,998,810.00	2,000,000	0.86	0	1/10/2018
MML BLEND FUND	FIXED INCOME	BPCE SA	413,276.22	420,000	0.18	3.5	10/23/2027
MML BLEND FUND	FIXED INCOME	BANCO SANTANDER SA	397,964.49	400,000	0.17	3.125	2/23/2023
MML BLEND FUND	FIXED INCOME	MOSAIC SOLAR LOANS LLC	173,733.52	173,075	0.07	3.82	9/20/2042
MML BLEND FUND	CASH EQUIVALENT	FORTIVE CORPORATION	1,498,711.50	1,500,000	0.64	0	1/16/2018
MML BLEND FUND	CASH EQUIVALENT	HP INC	1,999,203.34	2,000,000	0.86	0	1/8/2018
MML BLEND FUND	FIXED INCOME	GENERAL MOTORS FINL CO	314,356.25	315,000	0.13	3.5	11/7/2024
MML BLEND FUND	FIXED INCOME	FNMA POOL CA0770	2,256,381.69	2,195,491	0.97	3.5	11/1/2047
MML BLEND FUND	FIXED INCOME	MOSAIC CO	183,381.64	185,000	0.08	3.25	11/15/2022
MML BLEND FUND	FIXED INCOME	MOSAIC CO	190,498.12	190,000	0.08	4.05	11/15/2027
MML BLEND FUND	CASH EQUIVALENT	MARRIOTT INTERNATION	999,141.00	1,000,000	0.43	0	1/16/2018
MML BLEND FUND	FIXED INCOME	ENERGY TRANSFER PARTNERS	373,931.25	385,000	0.16	6.25	12/31/2099
MML BLEND FUND	FIXED INCOME	MARBLE POINT CLO XI LTD	1,000,396.00	1,000,000	0.43	2.79331	12/18/2030
MML BLEND FUND	FIXED INCOME	ANDEAVOR LOGIS LP/CORP	74,857.71	75,000	0.03	3.5	12/1/2022
MML BLEND FUND	FIXED INCOME	ANDEAVOR LOGISTICS LP	253,800.00	250,000	0.11	6.875	12/31/2099
MML BLEND FUND	CASH EQUIVALENT	TELUS CORP	1,493,291.63	1,500,000	0.64	0	3/28/2018
MML BLEND FUND	FIXED INCOME	AXIS SPECIALTY FINAN PLC	266,195.00	265,000	0.11	4	12/6/2027
MML BLEND FUND	FIXED INCOME	CONTINENTAL RESOURCES	256,672.00	260,000	0.11	4.375	1/15/2028
MML BLEND FUND	FIXED INCOME	MARINER FINANCE ISSUANCE TRUST	748,530.45	750,000	0.32	2.92	12/20/2029
MML BLEND FUND	FIXED INCOME	BANK OF MONTREAL	242,214.35	245,000	0.10	3.803	12/15/2032
MML BLEND FUND	FIXED INCOME	FED HM LN PC POOL Q52834	261,982.43	250,000	0.11	4	12/1/2047
MML BLEND FUND	FIXED INCOME	KDAC AVIATION FINANCE LIMITED	439,984.86	440,000	0.19	4.212	12/15/2042

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML BLEND FUND	FIXED INCOME	ANDEAVOR	135,322.70	135,000	0.06	3.8	4/1/2028
MML BLEND FUND	FIXED INCOME	ANDEAVOR	85,963.22	85,000	0.04	4.5	4/1/2048
MML BLEND FUND	CASH EQUIVALENT	MOLEX ELECTRONIC TECHNOLOGIES	1,991,728.44	2,000,000	0.85	0	3/13/2018
MML BLEND FUND	OPTIONS	BM1105964 SWAPTION	509,949.21	10,790,000	0.22	0	12/13/2032
MML BLEND FUND	OPTIONS	BM1106236 SWAPTION	257,629.50	5,300,000	0.11	0	12/13/2032
MML BLEND FUND	CASH EQUIVALENT	BELL CANADA	1,991,911.12	2,000,000	0.85	0	3/19/2018
MML BLEND FUND	FIXED INCOME	EDLINC STUDENT LOAN FUNDING TR	595,827.60	600,000	0.26	1	12/1/2047
MML BLEND FUND	FIXED INCOME	GNMA POOL BF1053	310,839.84	300,000	0.13	3.5	12/15/2047
MML BLEND FUND	CASH EQUIVALENT	FIXED INC CLEARING CORP.REPO	400,810.25	400,810	0.17	0.54	1/2/2018
MML BLEND FUND	CASH EQUIVALENT	EURO TIME DEPOSIT (USD)	36,207.77	36,208	0.02	0.000003	1/2/2018
MML BLEND FUND	FIXED INCOME	GNMA POOL 368814	480.57	470	0.00	7	10/15/2023
MML BLEND FUND	FIXED INCOME	FED HM LN PC POOL C55867	56,173.74	49,739	0.02	7.5	2/1/2030
MML BLEND FUND	FIXED INCOME	COUNTRYWIDE HOME LOANS	20,297.65	19,777	0.01	3.44453	2/25/2034
MML BLEND FUND	FIXED INCOME	STRUCTURED ADJUSTABLE RATE MOR	31,433.01	30,484	0.01	3.49421	3/25/2034
MML BLEND FUND	FIXED INCOME	WACHOVIA BANK COMMERCIAL MORTG	123,016.22	122,654	0.05	6.01095	2/15/2051
MML BLEND FUND	FIXED INCOME	FANNIE MAE	140,896.54	129,745	0.06	5.5	4/25/2037
MML BLEND FUND	FIXED INCOME	FNMA POOL 888586	88,674.59	84,247	0.04	3.282	10/1/2034
MML BLEND FUND	FIXED INCOME	GNMA POOL 362651	4,328.42	4,121	0.00	7	10/15/2023
MML BLEND FUND	FIXED INCOME	GSAMP TRUST	23,760.42	23,650	0.01	2.19713	4/25/2035
MML BLEND FUND	FIXED INCOME	FIRST FRANKLIN MTG LOAN ASSET	429,424.21	420,000	0.18	3.27713	1/25/2035
MML BLEND FUND	FIXED INCOME	GLOBAL SC FINANCE SRL	151,960.00	154,495	0.07	3.67	11/17/2028
MML BLEND FUND	FIXED INCOME	FREDDIE MAC	249,788.09	226,536	0.11	5.5	5/15/2033
MML BLEND FUND	FIXED INCOME	AMTRUST FINANCIAL SERVIC	475,447.50	495,000	0.20	6.125	8/15/2023
MML BLEND FUND	FIXED INCOME	OSCAR US FUNDING TRUST	348,920.95	350,000	0.15	2.44	6/15/2022
MML BLEND FUND	FIXED INCOME	FED HM LN PC POOL G60172	231,777.77	215,513	0.10	4.5	9/1/2043
MML BLEND FUND	FIXED INCOME	AUTORIDAD CANAL DE PANAM	234,150.00	210,000	0.10	4.95	7/29/2035
MML BLEND FUND	FIXED INCOME	BRAMBLES USA INC	138,967.52	134,000	0.06	4.125	10/23/2025
MML BLEND FUND	FIXED INCOME	US TREASURY N/B	742,500.00	750,000	0.32	1.625	11/30/2020
MML BLEND FUND	FIXED INCOME	FREDDIE MAC STACR	32,708.64	32,664	0.01	3.00213	7/25/2028
MML BLEND FUND	FIXED INCOME	BM1058692 CDS USD P V 01MEVENT	(160,000.00)	(160,000)	0.07	1	5/11/2063
MML BLEND FUND	FIXED INCOME	BM1058692 CDS USD R F 3.00000	136,588.98	160,000	0.06	3	5/11/2063
MML BLEND FUND	FIXED INCOME	FED HM LN PC POOL G60485	227,955.25	212,546	0.10	4.5	10/1/2041
MML BLEND FUND	FIXED INCOME	FNMA POOL AV1897	46,434.99	44,804	0.02	3.5	12/1/2028
MML BLEND FUND	FIXED INCOME	FNMA POOL AV2325	159,358.24	153,760	0.07	3.5	12/1/2028
MML BLEND FUND	FIXED INCOME	FED HM LN PC POOL C03537	248,817.26	231,458	0.11	4.5	8/1/2040
MML BLEND FUND	FIXED INCOME	ONDECK ASSET SECURITIZATION TR	130,480.65	130,000	0.06	4.21	5/17/2020
MML BLEND FUND	FIXED INCOME	EARNEST STUDENT LOAN PROGRAM L	189,536.14	190,497	0.08	3.02	5/25/2034
MML BLEND FUND	FIXED INCOME	SOCIAL PROFESSIONAL LOAN PROGR	277,552.65	273,110	0.12	2.75213	6/25/2033
MML BLEND FUND	FIXED INCOME	FNMA POOL AS1304	289,947.55	279,762	0.12	3.5	12/1/2028
MML BLEND FUND	FIXED INCOME	FED HM LN PC POOL Q41916	305,343.96	294,840	0.13	3.5	7/1/2046
MML BLEND FUND	FIXED INCOME	FED HM LN PC POOL Q42045	121,080.88	116,916	0.05	3.5	7/1/2046
MML BLEND FUND	FIXED INCOME	NAVIENT STUDENT LOAN TRUST	473,768.59	472,316	0.20	2.0275	2/25/2070
MML BLEND FUND	FIXED INCOME	BAIN CAPITAL CREDIT CLO, LIMIT	401,226.40	400,000	0.17	2.5644	7/20/2030
MML BLEND FUND	FIXED INCOME	WELK RESORTS LLC	266,474.78	269,125	0.11	3.41	6/15/2033
MML BLEND FUND	FIXED INCOME	TEXTAINER MARINE CONTAINERS LI	238,727.28	240,271	0.10	3.52	6/20/2042
MML BLEND FUND	FIXED INCOME	CIT EDUCATION LOAN TRUST	469,208.96	507,608	0.20	1.79849	6/15/2043
MML BLEND FUND	FIXED INCOME	SOCIAL PROFESSIONAL LOAN PROGR	565,900.00	1,000,000	0.24	0.01	9/25/2040
MML BLEND FUND	FIXED INCOME	TRIP RAIL MASTER FUNDING LLC	138,696.87	140,000	0.06	3.736	8/15/2047
MML BLEND FUND	FIXED INCOME	CARLYLE GLOBAL MARKET STRATEGI	753,035.25	750,000	0.32	2.63289	8/14/2030
MML BLEND FUND	FIXED INCOME	FNMA POOL CA0185	524,880.66	491,781	0.22	4.5	8/1/2047
MML BLEND FUND	FIXED INCOME	FNMA POOL CA0181	2,539,092.91	2,425,855	1.09	4	8/1/2047
MML BLEND FUND	FIXED INCOME	TCP CAPITAL CORP	462,598.77	470,000	0.20	4.125	8/11/2022

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML BLEND FUND	FIXED INCOME	FNMA POOL BH9008	52,064.25	49,742	0.02	4	8/1/2047
MML BLEND FUND	FIXED INCOME	FNMA POOL BH9011	52,114.88	49,791	0.02	4	9/1/2047
MML BLEND FUND	FIXED INCOME	DISCOVERY COMMUNICATIONS	165,774.92	160,000	0.07	5	9/20/2037
MML BLEND FUND	FIXED INCOME	EARNEST STUDENT LOAN PROGRAM L	421,637.34	415,257	0.18	3.40213	10/27/2036
MML BLEND FUND	FIXED INCOME	FIRST INVESTORS AUTO OWNER TRU	444,668.63	450,000	0.19	2.21	7/15/2022
MML BLEND FUND	FIXED INCOME	ALM LOAN FUNDING	413,422.27	410,000	0.18	2.83917	10/15/2028
MML BLEND FUND	FIXED INCOME	HERO FUNDING TRUST	248,684.22	251,982	0.11	3.08	9/20/2042
MML BLEND FUND	FIXED INCOME	APIDOS CLO	250,769.75	250,000	0.11	2.82261	10/20/2028
MML BLEND FUND	FIXED INCOME	DRB PRIME STUDENT LOAN TRUST	719,706.89	712,581	0.31	3.07	10/25/2044
MML BLEND FUND	FIXED INCOME	EARNEST STUDENT LOAN PROGRAM L	265,115.43	267,958	0.11	2.72	1/25/2041
MML BLEND FUND	FIXED INCOME	FED HM LN PC POOL Q44275	244,496.83	236,086	0.10	3.5	11/1/2046
MML BLEND FUND	FIXED INCOME	FED HM LN PC POOL Q44277	110,090.82	106,577	0.05	3.5	11/1/2046
MML BLEND FUND	FIXED INCOME	PENNSYLVANIA HIGHER EDUCATION	497,949.77	497,061	0.21	2.50213	11/25/2065
MML BLEND FUND	FIXED INCOME	NEW RESIDENTIAL ADVANCE RECEIV	447,996.15	450,000	0.19	3.1068	12/15/2050
MML BLEND FUND	FIXED INCOME	HERO FUNDING TRUST	261,318.92	257,135	0.11	3.57	9/20/2047
MML BLEND FUND	FIXED INCOME	ACCESS GROUP INC	394,609.28	400,000	0.17	1.699	7/1/2039
MML BLEND FUND	FIXED INCOME	SOCIAL PROFESSIONAL LOAN PROGR	176,806.75	180,000	0.08	3.44	3/26/2040
MML BLEND FUND	FIXED INCOME	RACE POINT CLO LTD	251,892.75	250,000	0.11	2.77567	2/20/2030
MML BLEND FUND	FIXED INCOME	BIRCHWOOD PARK CLO LTD	346,150.23	345,000	0.15	2.53917	7/15/2026
MML BLEND FUND	FIXED INCOME	JP MORGAN MORTGAGE TRUST	513,034.63	509,993	0.22	3.5	1/25/2047
MML BLEND FUND	FIXED INCOME	NEUBERGER BERMAN GRP/FIN	178,806.06	170,000	0.08	4.5	3/15/2027
MML BLEND FUND	FIXED INCOME	CAPITAL AUTOMOTIVE REIT	141,289.36	139,067	0.06	4.18	4/15/2047
MML BLEND FUND	FIXED INCOME	TAL ADVANTAGE LLC	394,125.42	384,317	0.17	4.5	4/20/2042
MML BLEND FUND	FIXED INCOME	BRE GRAND ISLANDER TIMESHARE I	173,853.14	175,741	0.07	2.94	5/25/2029
MML BLEND FUND	FIXED INCOME	SOCIAL PROFESSIONAL LOAN PROGR	200,000.00	100	0.09	0	3/25/2033
MML BLEND FUND	CASH EQUIVALENT	NASDAQ INC	399,503.40	400,000	0.17	0	1/24/2018
MML BLEND FUND	FIXED INCOME	GLENORE FUNDING LLC	157,881.60	160,000	0.07	3.875	10/27/2027
MML BLEND FUND	FIXED INCOME	GLENORE FUNDING LLC	138,635.00	140,000	0.06	3	10/27/2022
MML BLEND FUND	FIXED INCOME	CELGENE CORP	379,716.80	380,000	0.16	3.45	11/15/2027
MML BLEND FUND	FIXED INCOME	CELGENE CORP	316,812.43	305,000	0.14	4.35	11/15/2047
MML BLEND FUND	FIXED INCOME	GOODGREEN TRUST	473,451.73	477,115	0.20	3.26	10/15/2053
MML BLEND FUND	FIXED INCOME	FED HM LN PC POOL Q52216	665,226.71	647,226	0.28	3.5	11/1/2047
MML BLEND FUND	CASH EQUIVALENT	THOMSON REUTERS CORP	1,247,139.38	1,250,000	0.53	0	2/13/2018
MML BLEND FUND	FIXED INCOME	NP SPE II LLC	386,501.42	380,000	0.17	4.219	10/21/2047
MML BLEND FUND	FIXED INCOME	FED HM LN PC POOL V83655	1,975,001.74	1,921,558	0.85	3.5	12/1/2047
MML BLEND FUND	FIXED INCOME	FED HM LN PC POOL V83763	2,387,088.64	2,322,494	1.02	3.5	12/1/2047
MML BLEND FUND	FIXED INCOME	FED HM LN PC POOL V83764	2,071,404.93	1,973,134	0.89	4	12/1/2047
MML BLEND FUND	FIXED INCOME	HERO FUNDING TRUST	257,846.48	258,552	0.11	3.19	9/20/2048
MML BLEND FUND	FIXED INCOME	FED HM LN PC POOL Q52868	1,002,117.19	975,000	0.43	3.5	12/1/2047
MML BLEND FUND	FIXED INCOME	FED HM LN PC POOL V83796	3,038,996.13	2,900,000	1.30	4	12/1/2047
MML BLEND FUND	CASH EQUIVALENT	CARNIVAL CORP	1,992,541.66	2,000,000	0.85	0	3/14/2018
MML BLEND FUND	CASH EQUIVALENT	SPECTRA ENERGY PARTNERS	1,997,387.00	2,000,000	0.86	0	1/25/2018
MML BLEND FUND	CASH EQUIVALENT	PUBLIC SEVC. ENT. GR	1,994,803.06	2,000,000	0.85	0	2/20/2018
MML BLEND FUND	CASH EQUIVALENT	AMEREN CORP	1,999,441.34	2,000,000	0.86	0	1/4/2018
MML BLEND FUND	FIXED INCOME	GOODGREEN TRUST	190,554.63	191,903	0.08	3.74	10/15/2052
MML BLEND FUND	FIXED INCOME	FED HM LN PC POOL Q48208	127,475.91	119,468	0.05	4.5	5/1/2047
MML BLEND FUND	FIXED INCOME	OPORTUN FUNDING LLC	278,600.34	280,000	0.12	3.23	6/8/2023
MML BLEND FUND	FIXED INCOME	TRITON CONTAINER FINANCE LLC	159,557.44	161,896	0.07	3.52	6/20/2042
MML BLEND FUND	FIXED INCOME	FNMA POOL BH5155	2,754,693.34	2,680,763	1.18	3.5	9/1/2047
MML BLEND FUND	FIXED INCOME	GNMA II POOL BD6940	440,057.62	425,000	0.19	3.5	12/20/2047
MML BLEND FUND	FIXED INCOME	ALTERNA FUNDING LLC	88,513.21	88,679	0.04	2.5	2/15/2024
MML BLEND FUND	FIXED INCOME	FED HM LN PC POOL G06057	179,688.61	167,493	0.08	4.5	10/1/2040

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML BLEND FUND	FIXED INCOME	GOODGREEN TRUST	418,801.71	419,902	0.18	3.23	10/15/2052
MML BLEND FUND	FIXED INCOME	DIAMOND RESORTS OWNER TRUST	434,419.77	441,276	0.19	3.08	11/20/2028
MML BLEND FUND	FIXED INCOME	GOAL CAPITAL FUNDING TRUST	504,146.05	500,000	0.22	3.25	8/25/2051
MML BLEND FUND	FIXED INCOME	SMB PRIVATE EDUCATION LOAN TRU	289,666.59	300,000	0.12	3.5	6/17/2041
MML BLEND FUND	FIXED INCOME	GNMA II POOL BC4641	463,740.53	447,940	0.20	3.5	9/20/2047
MML BLEND FUND	FIXED INCOME	CLEAR CREEK CLO LTD	483,252.48	480,000	0.21	2.56261	10/20/2030
MML BLEND FUND	FIXED INCOME	FNMA POOL CA0620	2,374,276.20	2,267,711	1.02	4	10/1/2047
MML BLEND FUND	FIXED INCOME	MP CLO III, LTD	302,246.70	300,000	0.13	2.61261	10/20/2030
MML BLEND FUND	FIXED INCOME	PHILLIPS 66 PARTNERS LP	135,061.66	135,000	0.06	3.75	3/1/2028
MML BLEND FUND	FIXED INCOME	GNMA II POOL AC2985	130,623.59	124,658	0.06	4	10/20/2047
MML BLEND FUND	FIXED INCOME	HERCULES CAPITAL INC	476,550.88	470,000	0.20	4.625	10/23/2022
MML BLEND FUND	CASH EQUIVALENT	NASDAQ INC	1,595,889.55	1,600,000	0.68	0	2/20/2018
MML BLEND FUND	CASH EQUIVALENT	DOMINION RESOURCES	1,999,629.12	2,000,000	0.86	0	1/2/2018
MML BLEND FUND	FIXED INCOME	SMB PRIVATE EDUCATION LOAN TRU	149,084.39	150,000	0.06	3.5	12/16/2041
MML BLEND FUND	FIXED INCOME	GNMA II POOL BC4885	698,798.79	673,922	0.30	3.5	11/20/2047
MML BLEND FUND	FIXED INCOME	WAVE 2017 1 LLC	696,980.59	695,520	0.30	3.844	11/15/2042
MML BLEND FUND	FIXED INCOME	BM1058478 CDS USD R F 3.00000	367,082.87	430,000	0.16	3	5/11/2063
MML BLEND FUND	FIXED INCOME	BM1058478 CDS USD P V 01MEVENT	(430,000.00)	(430,000)	0.18	1	5/11/2063
MML BLEND FUND	FIXED INCOME	CIFC FUNDING LTD	340,111.86	340,000	0.15	2.54287	11/16/2030
MML EQUITY FUND	EQUITY	WEATHERFORD INTERNATIONAL PL	7,171,941.30	1,719,890	1.39		
MML EQUITY FUND	EQUITY	CROWN CASTLE INTL CORP	7,626,387.00	68,700	1.48		
MML EQUITY FUND	EQUITY	WALGREENS BOOTS ALLIANCE INC	1,550,437.00	21,350	0.30		
MML EQUITY FUND	EQUITY	WESTROCK CO	5,484,731.70	86,770	1.06		
MML EQUITY FUND	EQUITY	ALPHABET INC CL A	3,571,026.00	3,390	0.69		
MML EQUITY FUND	EQUITY	HP INC	4,453,279.60	211,960	0.86		
MML EQUITY FUND	EQUITY	BROADCOM LTD	3,091,020.80	12,032	0.60		
MML EQUITY FUND	EQUITY	COCA COLA EUROPEAN PARTNERS	4,668,427.50	117,150	0.91		
MML EQUITY FUND	EQUITY	XL GROUP LTD	5,641,422.00	160,450	1.09		
MML EQUITY FUND	EQUITY	INVITATION HOMES INC	2,360,771.20	100,160	0.46		
MML EQUITY FUND	EQUITY	TAPESTRY INC	3,955,046.60	89,420	0.77		
MML EQUITY FUND	CASH EQUIVALENT	FIXED INC CLEARING CORP.REPO	9,052,851.34	9,052,851	1.76	0.54	1/2/2018
MML EQUITY FUND	EQUITY	FIRST DATA CORP CLASS A	5,548,722.60	332,060	1.08		
MML EQUITY FUND	EQUITY	TE CONNECTIVITY LTD	3,840,566.40	40,410	0.75		
MML EQUITY FUND	EQUITY	ENBRIDGE INC	6,432,695.47	164,477	1.25		
MML EQUITY FUND	EQUITY	EDISON INTERNATIONAL	7,487,616.00	118,400	1.45		
MML EQUITY FUND	EQUITY	EASTMAN CHEMICAL CO	8,409,859.20	90,780	1.63		
MML EQUITY FUND	EQUITY	ENTERGY CORP	4,985,951.40	61,260	0.97		
MML EQUITY FUND	EQUITY	KEYCORP	7,209,363.10	357,430	1.40		
MML EQUITY FUND	EQUITY	LOCKHEED MARTIN CORP	10,206,500.55	31,791	1.98		
MML EQUITY FUND	EQUITY	THERMO FISHER SCIENTIFIC INC	4,302,680.80	22,660	0.84		
MML EQUITY FUND	EQUITY	ZEBRA TECHNOLOGIES CORP CL A	2,426,844.00	23,380	0.47		
MML EQUITY FUND	EQUITY	GILEAD SCIENCES INC	1,786,701.60	24,940	0.35		
MML EQUITY FUND	EQUITY	PROCTER + GAMBLE CO/THE	6,207,412.80	67,560	1.20		
MML EQUITY FUND	EQUITY	AMGEN INC	5,003,103.00	28,770	0.97		
MML EQUITY FUND	EQUITY	BOSTON SCIENTIFIC CORP	2,528,827.90	102,010	0.49		
MML EQUITY FUND	EQUITY	WALT DISNEY CO/THE	3,960,668.40	36,840	0.77		
MML EQUITY FUND	EQUITY	MICROSOFT CORP	7,440,269.20	86,980	1.44		
MML EQUITY FUND	EQUITY	MORGAN STANLEY	5,833,614.60	111,180	1.13		
MML EQUITY FUND	EQUITY	PFIZER INC	11,335,049.00	312,950	2.20		
MML EQUITY FUND	EQUITY	WAL MART STORES INC	9,471,112.50	95,910	1.84		
MML EQUITY FUND	EQUITY	BANK OF AMERICA CORP	28,367,539.20	960,960	5.51		
MML EQUITY FUND	EQUITY	BRISTOL MYERS SQUIBB CO	6,235,852.80	101,760	1.21		

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML EQUITY FUND	EQUITY	TEXAS INSTRUMENTS INC	4,867,948.40	46,610	0.94		
MML EQUITY FUND	EQUITY	SYNOPSIS INC	5,804,844.00	68,100	1.13		
MML EQUITY FUND	EQUITY	TARGET CORP	6,541,312.50	100,250	1.27		
MML EQUITY FUND	EQUITY	WASTE MANAGEMENT INC	5,676,814.00	65,780	1.10		
MML EQUITY FUND	EQUITY	WHIRLPOOL CORP	3,571,795.20	21,180	0.69		
MML EQUITY FUND	EQUITY	COCA COLA CO/THE	4,789,872.00	104,400	0.93		
MML EQUITY FUND	EQUITY	ZIONS BANCORPORATION	8,602,469.20	169,240	1.67		
MML EQUITY FUND	EQUITY	CATERPILLAR INC	9,686,442.60	61,470	1.88		
MML EQUITY FUND	EQUITY	GOLDMAN SACHS GROUP INC	9,150,979.20	35,920	1.78		
MML EQUITY FUND	EQUITY	CHECK POINT SOFTWARE TECH	1,873,449.60	18,080	0.36		
MML EQUITY FUND	EQUITY	FEDEX CORP	3,241,524.60	12,990	0.63		
MML EQUITY FUND	EQUITY	HALLIBURTON CO	5,821,247.79	119,117	1.13		
MML EQUITY FUND	EQUITY	SOUTHWEST AIRLINES CO	4,507,541.50	68,870	0.87		
MML EQUITY FUND	EQUITY	HARTFORD FINANCIAL SVCS GRP	7,243,236.00	128,700	1.41		
MML EQUITY FUND	EQUITY	METLIFE INC	6,528,307.20	129,120	1.27		
MML EQUITY FUND	EQUITY	UNITEDHEALTH GROUP INC	15,617,386.40	70,840	3.03		
MML EQUITY FUND	EQUITY	PARKER HANNIFIN CORP	7,403,020.94	37,093	1.44		
MML EQUITY FUND	EQUITY	DANAHER CORP	5,749,085.16	61,938	1.12		
MML EQUITY FUND	EQUITY	BLACKROCK INC	6,971,044.70	13,570	1.35		
MML EQUITY FUND	EQUITY	PACCAR INC	2,588,022.80	36,410	0.50		
MML EQUITY FUND	EQUITY	MARVELL TECHNOLOGY GROUP LTD	6,543,841.30	304,790	1.27		
MML EQUITY FUND	EQUITY	KANSAS CITY SOUTHERN	3,157,652.20	30,010	0.61		
MML EQUITY FUND	EQUITY	NASDAQ INC	8,659,509.30	112,710	1.68		
MML EQUITY FUND	EQUITY	FLUOR CORP	3,877,365.50	75,070	0.75		
MML EQUITY FUND	EQUITY	JPMORGAN CHASE + CO	26,037,751.20	243,480	5.05		
MML EQUITY FUND	EQUITY	SIEMENS AG SPONS ADR	3,205,815.60	46,280	0.62		
MML EQUITY FUND	EQUITY	ZIMMER BIOMET HOLDINGS INC	6,987,999.70	57,910	1.36		
MML EQUITY FUND	EQUITY	CHEVRON CORP	14,952,943.98	119,442	2.90		
MML EQUITY FUND	EQUITY	CONOCOPHILLIPS	6,449,629.89	117,501	1.25		
MML EQUITY FUND	EQUITY	CARNIVAL CORP	3,829,549.00	57,700	0.74		
MML EQUITY FUND	EQUITY	DIGITAL REALTY TRUST INC	3,206,285.00	28,150	0.62		
MML EQUITY FUND	EQUITY	AMERIPRISE FINANCIAL INC	5,690,802.60	33,580	1.10		
MML EQUITY FUND	EQUITY	AT+T INC	9,772,488.00	251,350	1.90		
MML EQUITY FUND	EQUITY	WYNDHAM WORLDWIDE CORP	5,038,027.60	43,480	0.98		
MML EQUITY FUND	EQUITY	HANESBRANDS INC	4,847,774.40	231,840	0.94		
MML EQUITY FUND	EQUITY	CONCHO RESOURCES INC	5,095,462.40	33,920	0.99		
MML EQUITY FUND	EQUITY	DISH NETWORK CORP A	3,053,135.00	63,940	0.59		
MML EQUITY FUND	EQUITY	PHILIP MORRIS INTERNATIONAL	5,618,467.00	53,180	1.09		
MML EQUITY FUND	EQUITY	SUNCOR ENERGY INC	14,625,208.80	398,290	2.84		
MML EQUITY FUND	EQUITY	NEXTERA ENERGY INC	2,393,611.75	15,325	0.46		
MML EQUITY FUND	EQUITY	CITIGROUP INC	13,573,872.20	182,420	2.63		
MML EQUITY FUND	EQUITY	PROLOGIS INC	6,594,212.20	102,220	1.28		
MML EQUITY FUND	EQUITY	XPO LOGISTICS INC	7,752,177.60	84,640	1.50		
MML EQUITY FUND	EQUITY	AON PLC	5,766,020.00	43,030	1.12		
MML EQUITY FUND	EQUITY	PHILLIPS 66	4,665,948.35	46,129	0.91		
MML EQUITY FUND	EQUITY	PPG INDUSTRIES INC	1,086,426.00	9,300	0.31		
MML EQUITY FUND	EQUITY	SOUTHWEST AIRLINES CO	1,544,620.00	23,600	0.44		
MML EQUITY FUND	EQUITY	SUNTRUST BANKS INC	1,201,374.00	18,600	0.34		
MML EQUITY FUND	EQUITY	HARTFORD FINANCIAL SVCS GRP	799,176.00	14,200	0.23		
MML EQUITY FUND	EQUITY	AFLAC INC	1,360,590.00	15,500	0.38		
MML EQUITY FUND	EQUITY	MOTOROLA SOLUTIONS INC	596,244.00	6,600	0.17		
MML EQUITY FUND	EQUITY	HCA HEALTHCARE INC	1,256,112.00	14,300	0.36		

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML EQUITY FUND	EQUITY	HUNTINGTON INGALLS INDUSTRIE	424,260.00	1,800	0.12		
MML EQUITY FUND	EQUITY	CITIGROUP INC	7,827,932.00	105,200	2.21		
MML EQUITY FUND	EQUITY	MARATHON PETROLEUM CORP	1,345,992.00	20,400	0.38		
MML EQUITY FUND	EQUITY	HOLLYFRONTIER CORP	343,174.00	6,700	0.10		
MML EQUITY FUND	EQUITY	PVH CORP	411,630.00	3,000	0.12		
MML EQUITY FUND	EQUITY	RALPH LAUREN CORP	197,011.00	1,900	0.06		
MML EQUITY FUND	EQUITY	MICHAEL KORS HOLDINGS LTD	276,980.00	4,400	0.08		
MML EQUITY FUND	EQUITY	ALLISON TRANSMISSION HOLDING	223,964.00	5,200	0.06		
MML EQUITY FUND	EQUITY	PHILLIPS 66	2,023,000.00	20,000	0.57		
MML EQUITY FUND	EQUITY	INGREDION INC	363,480.00	2,600	0.10		
MML EQUITY FUND	EQUITY	DUKE ENERGY CORP	1,892,475.00	22,500	0.54		
MML EQUITY FUND	EQUITY	EATON CORP PLC	1,358,972.00	17,200	0.38		
MML EQUITY FUND	EQUITY	ABBVIE INC	5,986,349.00	61,900	1.69		
MML EQUITY FUND	EQUITY	TYSON FOODS INC CL A	648,560.00	8,000	0.18		
MML EQUITY FUND	EQUITY	PACCAR INC	952,472.00	13,400	0.27		
MML EQUITY FUND	EQUITY	LEGGETT + PLATT INC	238,650.00	5,000	0.07		
MML EQUITY FUND	EQUITY	MARVELL TECHNOLOGY GROUP LTD	422,959.00	19,700	0.12		
MML EQUITY FUND	EQUITY	VERIZON COMMUNICATIONS INC	7,870,691.00	148,700	2.23		
MML EQUITY FUND	EQUITY	JUNIPER NETWORKS INC	407,550.00	14,300	0.12		
MML EQUITY FUND	EQUITY	FORD MOTOR CO	1,781,074.00	142,600	0.50		
MML EQUITY FUND	EQUITY	XCEL ENERGY INC	851,547.00	17,700	0.24		
MML EQUITY FUND	EQUITY	NASDAQ INC	414,882.00	5,400	0.12		
MML EQUITY FUND	EQUITY	DAVITA INC	563,550.00	7,800	0.16		
MML EQUITY FUND	EQUITY	QORVO INC	339,660.00	5,100	0.10		
MML EQUITY FUND	EQUITY	EVERSOURCE ENERGY	764,478.00	12,100	0.22		
MML EQUITY FUND	EQUITY	MADISON SQUARE GARDEN CO A	189,765.00	900	0.05		
MML EQUITY FUND	EQUITY	HP INC	1,367,751.00	65,100	0.39		
MML EQUITY FUND	EQUITY	CSRA INC	137,632.00	4,600	0.04		
MML EQUITY FUND	EQUITY	HUBBELL INC	203,010.00	1,500	0.06		
MML EQUITY FUND	EQUITY	WILLIS TOWERS WATSON PLC	738,381.00	4,900	0.21		
MML EQUITY FUND	EQUITY	ARRIS INTERNATIONAL PLC	179,830.00	7,000	0.05		
MML EQUITY FUND	EQUITY	CHUBB LTD	2,484,210.00	17,000	0.70		
MML EQUITY FUND	EQUITY	XL GROUP LTD	365,664.00	10,400	0.10		
MML EQUITY FUND	EQUITY	ASHLAND GLOBAL HOLDINGS INC	121,040.00	1,700	0.03		
MML EQUITY FUND	EQUITY	ADIANT PLC	204,620.00	2,600	0.06		
MML EQUITY FUND	EQUITY	L3 TECHNOLOGIES INC	613,335.00	3,100	0.17		
MML EQUITY FUND	EQUITY	XEROX CORP	288,585.00	9,900	0.08		
MML EQUITY FUND	EQUITY	APTIV PLC	899,198.00	10,600	0.25		
MML EQUITY FUND	CASH EQUIVALENT	FIXED INC CLEARING CORP.REPO	1,308,497.39	1,308,497	0.37	0.54	1/2/2018
MML EQUITY FUND	EQUITY	VOYA FINANCIAL INC	371,025.00	7,500	0.10		
MML EQUITY FUND	EQUITY	APPLE INC	16,956,846.00	100,200	4.79		
MML EQUITY FUND	EQUITY	CAPITAL ONE FINANCIAL CORP	1,852,188.00	18,600	0.52		
MML EQUITY FUND	EQUITY	RAYMOND JAMES FINANCIAL INC	464,360.00	5,200	0.13		
MML EQUITY FUND	EQUITY	CIT GROUP INC	236,304.00	4,800	0.07		
MML EQUITY FUND	EQUITY	E TRADE FINANCIAL CORP	510,571.00	10,300	0.14		
MML EQUITY FUND	EQUITY	AMERICAN AIRLINES GROUP INC	1,024,991.00	19,700	0.29		
MML EQUITY FUND	EQUITY	CHEVRON CORP	9,051,237.00	72,300	2.56		
MML EQUITY FUND	EQUITY	PRINCIPAL FINANCIAL GROUP	790,272.00	11,200	0.22		
MML EQUITY FUND	EQUITY	PRUDENTIAL FINANCIAL INC	1,908,668.00	16,600	0.54		
MML EQUITY FUND	EQUITY	JETBLUE AIRWAYS CORP	265,846.00	11,900	0.08		
MML EQUITY FUND	EQUITY	SKYWORKS SOLUTIONS INC	674,145.00	7,100	0.19		
MML EQUITY FUND	EQUITY	CONOCOPHILLIPS	2,563,363.00	46,700	0.72		

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML EQUITY FUND	EQUITY	CARMAX INC	474,562.00	7,400	0.13		
MML EQUITY FUND	EQUITY	COMCAST CORP CLASS A	6,696,360.00	167,200	1.89		
MML EQUITY FUND	EQUITY	CROWN HOLDINGS INC	292,500.00	5,200	0.08		
MML EQUITY FUND	EQUITY	CARNIVAL CORP	1,380,496.00	20,800	0.39		
MML EQUITY FUND	EQUITY	CARTER S INC	199,733.00	1,700	0.06		
MML EQUITY FUND	EQUITY	BIOGEN INC	2,675,988.00	8,400	0.76		
MML EQUITY FUND	EQUITY	SYNNEX CORP	149,545.00	1,100	0.04		
MML EQUITY FUND	EQUITY	ASSURANT INC	221,848.00	2,200	0.06		
MML EQUITY FUND	EQUITY	REGIONS FINANCIAL CORP	794,880.00	46,000	0.22		
MML EQUITY FUND	EQUITY	WESTLAKE CHEMICAL CORP	521,997.00	4,900	0.15		
MML EQUITY FUND	EQUITY	HERBALIFE LTD	250,564.00	3,700	0.07		
MML EQUITY FUND	EQUITY	CELANESE CORP SERIES A	578,232.00	5,400	0.16		
MML EQUITY FUND	EQUITY	HUNTSMAN CORP	292,952.00	8,800	0.08		
MML EQUITY FUND	EQUITY	LAZARD LTD CL A	252,000.00	4,800	0.07		
MML EQUITY FUND	EQUITY	WESTERN ALLIANCE BANCORP	169,860.00	3,000	0.05		
MML EQUITY FUND	EQUITY	AMERIPRISE FINANCIAL INC	1,135,449.00	6,700	0.32		
MML EQUITY FUND	EQUITY	CA INC	512,512.00	15,400	0.14		
MML EQUITY FUND	EQUITY	WYNDHAM WORLDWIDE CORP	475,067.00	4,100	0.13		
MML EQUITY FUND	EQUITY	HANESBRANDS INC	278,103.00	13,300	0.08		
MML EQUITY FUND	EQUITY	WESTERN UNION CO	330,774.00	17,400	0.09		
MML EQUITY FUND	EQUITY	OWENS CORNING	422,924.00	4,600	0.12		
MML EQUITY FUND	EQUITY	SPIRIT AEROSYSTEMS HOLD CL A	418,800.00	4,800	0.12		
MML EQUITY FUND	EQUITY	TRAVELERS COS INC/THE	3,445,256.00	25,400	0.97		
MML EQUITY FUND	EQUITY	DELTA AIR LINES INC	1,612,800.00	28,800	0.46		
MML EQUITY FUND	EQUITY	DISCOVER FINANCIAL SERVICES	1,199,952.00	15,600	0.34		
MML EQUITY FUND	EQUITY	BANK OF NEW YORK MELLON CORP	2,154,400.00	40,000	0.61		
MML EQUITY FUND	EQUITY	INVESCO LTD	573,678.00	15,700	0.16		
MML EQUITY FUND	EQUITY	NETAPP INC	420,432.00	7,600	0.12		
MML EQUITY FUND	EQUITY	DR PEPPER SNAPPLE GROUP INC	465,888.00	4,800	0.13		
MML EQUITY FUND	EQUITY	REINSURANCE GROUP OF AMERICA	405,418.00	2,600	0.11		
MML EQUITY FUND	EQUITY	TIME WARNER INC	4,317,384.00	47,200	1.22		
MML EQUITY FUND	EQUITY	AMERICAN INTERNATIONAL GROUP	2,859,840.00	48,000	0.81		
MML EQUITY FUND	EQUITY	INGERSOLL RAND PLC	838,386.00	9,400	0.24		
MML EQUITY FUND	EQUITY	HYATT HOTELS CORP CL A	110,310.00	1,500	0.03		
MML EQUITY FUND	EQUITY	LEAR CORP	459,316.00	2,600	0.13		
MML EQUITY FUND	EQUITY	DOLLAR GENERAL CORP	939,401.00	10,100	0.27		
MML EQUITY FUND	EQUITY	PILGRIM S PRIDE CORP	295,070.00	9,500	0.08		
MML EQUITY FUND	EQUITY	LYONDELLBASELL INDU CL A	2,074,016.00	18,800	0.59		
MML EQUITY FUND	EQUITY	GARMIN LTD	458,689.00	7,700	0.13		
MML EQUITY FUND	EQUITY	BOOZ ALLEN HAMILTON HOLDINGS	205,902.00	5,400	0.06		
MML EQUITY FUND	EQUITY	GENERAL MOTORS CO	2,393,816.00	58,400	0.68		
MML EQUITY FUND	EQUITY	JABIL INC	173,250.00	6,600	0.05		
MML EQUITY FUND	EQUITY	METLIFE INC	2,108,352.00	41,700	0.60		
MML EQUITY FUND	EQUITY	MANPOWERGROUP INC	327,886.00	2,600	0.09		
MML EQUITY FUND	EQUITY	CARLISLE COS INC	272,760.00	2,400	0.08		
MML EQUITY FUND	EQUITY	JACOBS ENGINEERING GROUP INC	303,416.00	4,600	0.09		
MML EQUITY FUND	EQUITY	LABORATORY CRP OF AMER HLDGS	669,942.00	4,200	0.19		
MML EQUITY FUND	EQUITY	NORWEGIAN CRUISE LINE HOLDIN	473,925.00	8,900	0.13		
MML EQUITY FUND	EQUITY	L BRANDS INC	632,310.00	10,500	0.18		
MML EQUITY FUND	EQUITY	NEWS CORP CLASS A	236,666.00	14,600	0.07		
MML EQUITY FUND	EQUITY	TWENTY FIRST CENTURY FOX A	1,377,747.00	39,900	0.39		
MML EQUITY FUND	EQUITY	ZIONS BANCORPORATION	401,557.00	7,900	0.11		

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML EQUITY FUND	EQUITY	CIGNA CORP	2,030,900.00	10,000	0.57		
MML EQUITY FUND	EQUITY	GOLDMAN SACHS GROUP INC	3,872,352.00	15,200	1.09		
MML EQUITY FUND	EQUITY	CORNING INC	1,532,321.00	47,900	0.43		
MML EQUITY FUND	EQUITY	FEDEX CORP	374,310.00	1,500	0.11		
MML EQUITY FUND	EQUITY	KLA TENCOR CORP	598,899.00	5,700	0.17		
MML EQUITY FUND	EQUITY	KOHL'S CORP	341,649.00	6,300	0.10		
MML EQUITY FUND	EQUITY	FNF GROUP	361,008.00	9,200	0.10		
MML EQUITY FUND	EQUITY	SYNCHRONY FINANCIAL	1,196,910.00	31,000	0.34		
MML EQUITY FUND	EQUITY	CITIZENS FINANCIAL GROUP	822,808.00	19,600	0.23		
MML EQUITY FUND	EQUITY	ANTHEM INC	2,182,597.00	9,700	0.62		
MML EQUITY FUND	EQUITY	DTE ENERGY COMPANY	810,004.00	7,400	0.23		
MML EQUITY FUND	EQUITY	EASTMAN CHEMICAL CO	518,784.00	5,600	0.15		
MML EQUITY FUND	EQUITY	ENTERGY CORP	602,286.00	7,400	0.17		
MML EQUITY FUND	EQUITY	GOODYEAR TIRE + RUBBER CO	319,869.00	9,900	0.09		
MML EQUITY FUND	EQUITY	INTERNATIONAL PAPER CO	938,628.00	16,200	0.27		
MML EQUITY FUND	EQUITY	KEYCORP	792,681.00	39,300	0.22		
MML EQUITY FUND	EQUITY	NATIONAL FUEL GAS CO	175,712.00	3,200	0.05		
MML EQUITY FUND	EQUITY	NORFOLK SOUTHERN CORP	1,101,240.00	7,600	0.31		
MML EQUITY FUND	EQUITY	OLD REPUBLIC INTL CORP	220,214.00	10,300	0.06		
MML EQUITY FUND	EQUITY	PUBLIC SERVICE ENTERPRISE GP	1,009,400.00	19,600	0.29		
MML EQUITY FUND	EQUITY	PULTEGROUP INC	402,325.00	12,100	0.11		
MML EQUITY FUND	EQUITY	MARATHON OIL CORP	402,934.00	23,800	0.11		
MML EQUITY FUND	EQUITY	UNITED RENTALS INC	601,685.00	3,500	0.17		
MML EQUITY FUND	EQUITY	VALERO ENERGY CORP	1,608,425.00	17,500	0.45		
MML EQUITY FUND	EQUITY	WESTAR ENERGY INC	274,560.00	5,200	0.08		
MML EQUITY FUND	EQUITY	AMERCO	226,746.00	600	0.06		
MML EQUITY FUND	EQUITY	CREDIT ACCEPTANCE CORP	194,088.00	600	0.05		
MML EQUITY FUND	EQUITY	ENERGEN CORP	207,252.00	3,600	0.06		
MML EQUITY FUND	EQUITY	QUEST DIAGNOSTICS INC	512,148.00	5,200	0.14		
MML EQUITY FUND	EQUITY	RELIANCE STEEL + ALUMINUM	188,738.00	2,200	0.05		
MML EQUITY FUND	EQUITY	THOR INDUSTRIES INC	301,440.00	2,000	0.09		
MML EQUITY FUND	EQUITY	TOLL BROTHERS INC	326,536.00	6,800	0.09		
MML EQUITY FUND	EQUITY	TRACTOR SUPPLY COMPANY	261,625.00	3,500	0.07		
MML EQUITY FUND	EQUITY	EDISON INTERNATIONAL	87,903.60	1,390	0.02		
MML EQUITY FUND	EQUITY	LINCOLN NATIONAL CORP	638,021.00	8,300	0.18		
MML EQUITY FUND	EQUITY	LOEWS CORP	640,384.00	12,800	0.18		
MML EQUITY FUND	EQUITY	OGE ENERGY CORP	263,280.00	8,000	0.07		
MML EQUITY FUND	EQUITY	PINNACLE WEST CAPITAL	391,828.00	4,600	0.11		
MML EQUITY FUND	EQUITY	UNUM GROUP	494,010.00	9,000	0.14		
MML EQUITY FUND	EQUITY	TRINITY INDUSTRIES INC	213,522.00	5,700	0.06		
MML EQUITY FUND	EQUITY	EVEREST RE GROUP LTD	331,890.00	1,500	0.09		
MML EQUITY FUND	EQUITY	AGCO CORP	214,290.00	3,000	0.06		
MML EQUITY FUND	EQUITY	ALLEGHANY CORP	417,263.00	700	0.12		
MML EQUITY FUND	EQUITY	ALLSTATE CORP	1,570,650.00	15,000	0.44		
MML EQUITY FUND	EQUITY	AMEREN CORPORATION	560,405.00	9,500	0.16		
MML EQUITY FUND	EQUITY	AMERICAN ELECTRIC POWER	1,419,901.00	19,300	0.40		
MML EQUITY FUND	EQUITY	ARROW ELECTRONICS INC	265,353.00	3,300	0.08		
MML EQUITY FUND	EQUITY	AUTONATION INC	133,458.00	2,600	0.04		
MML EQUITY FUND	EQUITY	WR BERKLEY CORP	336,755.00	4,700	0.10		
MML EQUITY FUND	EQUITY	BRUNSWICK CORP	182,226.00	3,300	0.05		
MML EQUITY FUND	EQUITY	CINCINNATI FINANCIAL CORP	457,317.00	6,100	0.13		
MML EQUITY FUND	EQUITY	CUMMINS INC	1,201,152.00	6,800	0.34		

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML EQUITY FUND	EQUITY	H+R BLOCK INC	209,760.00	8,000	0.06		
MML EQUITY FUND	EQUITY	GENUINE PARTS CO	389,541.00	4,100	0.11		
MML EQUITY FUND	EQUITY	KIMBERLY CLARK CORP	1,098,006.00	9,100	0.31		
MML EQUITY FUND	EQUITY	PNC FINANCIAL SERVICES GROUP	2,698,223.00	18,700	0.76		
MML EQUITY FUND	EQUITY	TORCHMARK CORP	1,034,094.00	11,400	0.29		
MML EQUITY FUND	EQUITY	INTL BUSINESS MACHINES CORP	5,216,280.00	34,000	1.47		
MML EQUITY FUND	EQUITY	SONOCO PRODUCTS CO	207,246.00	3,900	0.06		
MML EQUITY FUND	EQUITY	BRISTOL MYERS SQUIBB CO	2,794,368.00	45,600	0.79		
MML EQUITY FUND	EQUITY	LOWE S COS INC	2,806,788.00	30,200	0.79		
MML EQUITY FUND	EQUITY	NUCOR CORP	782,034.00	12,300	0.22		
MML EQUITY FUND	EQUITY	TEXTRON INC	605,513.00	10,700	0.17		
MML EQUITY FUND	EQUITY	ISHARES RUSSELL 1000 VALUE ETF	5,334,186.00	42,900	1.51		
MML EQUITY FUND	EQUITY	AETNA INC	2,272,914.00	12,600	0.64		
MML EQUITY FUND	EQUITY	T ROWE PRICE GROUP INC	986,342.00	9,400	0.28		
MML EQUITY FUND	EQUITY	JPMORGAN CHASE + CO	14,490,370.00	135,500	4.10		
MML EQUITY FUND	EQUITY	US BANCORP	3,493,416.00	65,200	0.99		
MML EQUITY FUND	EQUITY	ALLIANCE DATA SYSTEMS CORP	405,568.00	1,600	0.11		
MML EQUITY FUND	EQUITY	AMERISOURCEBERGEN CORP	560,102.00	6,100	0.16		
MML EQUITY FUND	EQUITY	INTEL CORP	8,327,264.00	180,400	2.35		
MML EQUITY FUND	EQUITY	JOHNSON + JOHNSON	14,349,244.00	102,700	4.06		
MML EQUITY FUND	EQUITY	STATE STREET CORP	1,405,584.00	14,400	0.40		
MML EQUITY FUND	EQUITY	TARGET CORP	991,800.00	15,200	0.28		
MML EQUITY FUND	EQUITY	UNITED TECHNOLOGIES CORP	3,941,913.00	30,900	1.11		
MML EQUITY FUND	EQUITY	WHIRLPOOL CORP	404,736.00	2,400	0.11		
MML EQUITY FUND	EQUITY	AMERICAN EXPRESS CO	3,416,264.00	34,400	0.97		
MML EQUITY FUND	EQUITY	UNITED PARCEL SERVICE CL B	3,026,410.00	25,400	0.86		
MML EQUITY FUND	EQUITY	SNAP ON INC	383,460.00	2,200	0.11		
MML EQUITY FUND	EQUITY	APPLIED MATERIALS INC	1,932,336.00	37,800	0.55		
MML EQUITY FUND	EQUITY	EAST WEST BANCORP INC	328,482.00	5,400	0.09		
MML EQUITY FUND	EQUITY	GENTEX CORP	232,545.00	11,100	0.07		
MML EQUITY FUND	EQUITY	JONES LANG LASALLE INC	253,181.00	1,700	0.07		
MML EQUITY FUND	EQUITY	STEEL DYNAMICS INC	409,735.00	9,500	0.12		
MML EQUITY FUND	EQUITY	TERADYNE INC	238,659.00	5,700	0.07		
MML EQUITY FUND	EQUITY	UGI CORP	305,175.00	6,500	0.09		
MML EQUITY FUND	EQUITY	CULLEN/FROST BANKERS INC	227,160.00	2,400	0.06		
MML EQUITY FUND	EQUITY	GILEAD SCIENCES INC	3,410,064.00	47,600	0.96		
MML EQUITY FUND	EQUITY	NVR INC	350,822.00	100	0.10		
MML EQUITY FUND	EQUITY	FRANKLIN RESOURCES INC	940,261.00	21,700	0.27		
MML EQUITY FUND	EQUITY	GENERAL DYNAMICS CORP	2,543,125.00	12,500	0.72		
MML EQUITY FUND	EQUITY	HASBRO INC	418,094.00	4,600	0.12		
MML EQUITY FUND	EQUITY	HONEYWELL INTERNATIONAL INC	4,524,120.00	29,500	1.28		
MML EQUITY FUND	EQUITY	AES CORP	96,387.00	8,900	0.03		
MML EQUITY FUND	EQUITY	AMGEN INC	4,660,520.00	26,800	1.32		
MML EQUITY FUND	EQUITY	BEST BUY CO INC	739,476.00	10,800	0.21		
MML EQUITY FUND	EQUITY	CVS HEALTH CORP	1,935,750.00	26,700	0.55		
MML EQUITY FUND	EQUITY	CISCO SYSTEMS INC	7,238,700.00	189,000	2.05		
MML EQUITY FUND	EQUITY	WALT DISNEY CO/THE	6,439,849.00	59,900	1.82		
MML EQUITY FUND	EQUITY	GAP INC/THE	374,660.00	11,000	0.11		
MML EQUITY FUND	EQUITY	MORGAN STANLEY	3,688,641.00	70,300	1.04		
MML EQUITY FUND	EQUITY	ORACLE CORP	7,333,128.00	155,100	2.07		
MML EQUITY FUND	EQUITY	PFIZER INC	7,895,960.00	218,000	2.23		
MML EQUITY FUND	EQUITY	WAL MART STORES INC	11,425,375.00	115,700	3.23		

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML EQUITY FUND	EQUITY	WELLS FARGO + CO	11,600,104.00	191,200	3.28		
MML EQUITY FUND	EQUITY	PROSPERITY BANCSHARES INC	182,182.00	2,600	0.05		
MML EQUITY FUND	EQUITY	COMMERCE BANCSHARES INC	228,944.00	4,100	0.06		
MML EQUITY FUND	EQUITY	HUNTINGTON BANCSHARES INC	438,256.00	30,100	0.12		
MML EQUITY FUND	EQUITY	MARKEL CORP	683,478.00	600	0.19		
MML EQUITY FUND	EQUITY	NORTHERN TRUST CORP	799,120.00	8,000	0.23		
MML EQUITY FUND	EQUITY	NORDSTROM INC	222,686.00	4,700	0.06		
MML EQUITY FUND	EQUITY	M + T BANK CORP	1,025,940.00	6,000	0.29		
MML EQUITY FUND	EQUITY	PACKAGING CORP OF AMERICA	421,925.00	3,500	0.12		
MML EQUITY FUND	EQUITY	BOK FINANCIAL CORPORATION	221,568.00	2,400	0.06		
MML EQUITY FUND	EQUITY	NEWMONT MINING CORP	506,520.00	13,500	0.14		
MML EQUITY FUND	EQUITY	WILLIAMS SONOMA INC	175,780.00	3,400	0.05		
MML EQUITY FUND	EQUITY	ROYAL CARIBBEAN CRUISES LTD	1,013,880.00	8,500	0.29		
MML EQUITY FUND	EQUITY	FIFTH THIRD BANCORP	873,792.00	28,800	0.25		
MML EQUITY FUND	EQUITY	BB+T CORP	1,436,908.00	28,900	0.41		
MML EQUITY FUND	EQUITY	COMERICA INC	503,498.00	5,800	0.14		
MML EQUITY FUND	EQUITY	USG CORP	208,224.00	5,400	0.06		
MML EQUITY FUND	EQUITY	MCKESSON CORP	1,232,005.00	7,900	0.35		
MML EQUITY FUND	EQUITY	MOHAWK INDUSTRIES INC	827,700.00	3,000	0.23		
MML EQUITY FUND	EQUITY	ROBERT HALF INTL INC	283,254.00	5,100	0.08		
MML EQUITY FUND	EQUITY	RPM INTERNATIONAL INC	241,132.00	4,600	0.07		
MML EQUITY FUND	EQUITY	AMERICAN FINANCIAL GROUP INC	727,218.00	6,700	0.21		
MML EQUITY FUND	EQUITY	BORGWARNER INC	418,938.00	8,200	0.12		
MML EQUITY FUND	EQUITY	CDW CORP/DE	423,889.00	6,100	0.12		
MML EQUITY FUND	EQUITY	PERRIGO CO PLC	453,232.00	5,200	0.13		
MML EQUITY FUND	EQUITY	SANTANDER CONSUMER USA HOLDI	245,784.00	13,200	0.07		
MML EQUITY FUND	EQUITY	ALLY FINANCIAL INC	513,216.00	17,600	0.15		
MML EQUITY FUND	EQUITY	INVESTORS BANCORP INC	158,232.00	11,400	0.04		
MML EQUITY FUND	EQUITY	SYNOVUS FINANCIAL CORP	230,112.00	4,800	0.07		
MML EQUITY FUND	EQUITY	PENTAIR PLC	416,658.00	5,900	0.12		
MML SMALL CAP EQUITY FUND	EQUITY	YELP INC	1,536,575.20	36,620	1.28		
MML SMALL CAP EQUITY FUND	EQUITY	REXNORD CORP	1,245,057.00	47,850	1.04		
MML SMALL CAP EQUITY FUND	EQUITY	FOUR CORNERS PROPERTY TRUST	1,986,353.00	77,290	1.66		
MML SMALL CAP EQUITY FUND	EQUITY	CRYOPORT INC	200,061.10	23,290	0.17		
MML SMALL CAP EQUITY FUND	EQUITY	ADVANCED DISPOSAL SERVICES I	1,052,593.92	43,968	0.88		
MML SMALL CAP EQUITY FUND	EQUITY	ELF BEAUTY INC	953,529.40	42,740	0.80		
MML SMALL CAP EQUITY FUND	EQUITY	BANK OF NT BUTTERFIELD + SON	915,560.41	25,229	0.76		
MML SMALL CAP EQUITY FUND	EQUITY	PROOFPOINT INC	1,324,157.10	14,910	1.10		
MML SMALL CAP EQUITY FUND	EQUITY	CUSTOMERS BANCORP INC	643,252.50	24,750	0.54		
MML SMALL CAP EQUITY FUND	EQUITY	REALOGY HOLDINGS CORP	1,164,940.00	43,960	0.97		
MML SMALL CAP EQUITY FUND	EQUITY	MASONITE INTERNATIONAL CORP	1,122,853.45	15,143	0.94		
MML SMALL CAP EQUITY FUND	EQUITY	STERLING BANCORP/DE	1,349,556.00	54,860	1.13		
MML SMALL CAP EQUITY FUND	EQUITY	HOUGHTON MIFFLIN HARCOURT CO	1,053,318.00	113,260	0.88		
MML SMALL CAP EQUITY FUND	EQUITY	PAYLOCITY HOLDING CORP	825,771.60	17,510	0.69		
MML SMALL CAP EQUITY FUND	EQUITY	Q2 HOLDINGS INC	817,701.50	22,190	0.68		
MML SMALL CAP EQUITY FUND	EQUITY	GALAPAGOS NV	453,107.55	4,783	0.38		
MML SMALL CAP EQUITY FUND	EQUITY	SAGE THERAPEUTICS INC	794,890.46	4,826	0.66		
MML SMALL CAP EQUITY FUND	EQUITY	PAPA JOHN S INTL INC	970,141.90	17,290	0.81		
MML SMALL CAP EQUITY FUND	EQUITY	HOSTESS BRANDS INC	2,149,375.30	145,130	1.79		
MML SMALL CAP EQUITY FUND	EQUITY	CANADA GOOSE HOLDINGS INC	1,312,107.00	41,575	1.09		
MML SMALL CAP EQUITY FUND	EQUITY	WIDEPENWEST INC	698,803.84	66,112	0.58		
MML SMALL CAP EQUITY FUND	EQUITY	MANITOWOC COMPANY INC	999,904.78	25,417	0.83		

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML SMALL CAP EQUITY FUND	EQUITY	CNX MIDSTREAM PARTNERS LP	702,579.15	41,895	0.59		
MML SMALL CAP EQUITY FUND	CASH EQUIVALENT	FIXED INC CLEARING CORP.REPO	2,783,590.76	2,783,591	2.32	0.54	1/2/2018
MML SMALL CAP EQUITY FUND	EQUITY	NOBLE MIDSTREAM PARTNERS LP	986,250.00	19,725	0.82		
MML SMALL CAP EQUITY FUND	EQUITY	FCB FINANCIAL HOLDINGS CL A	1,172,616.40	23,083	0.98		
MML SMALL CAP EQUITY FUND	EQUITY	JAMES RIVER GROUP HOLDINGS L	1,051,662.85	26,285	0.88		
MML SMALL CAP EQUITY FUND	EQUITY	BENEFICIAL BANCORP INC	779,236.50	47,370	0.65		
MML SMALL CAP EQUITY FUND	EQUITY	SUMMIT MATERIALS INC CL A	1,685,467.21	53,609	1.41		
MML SMALL CAP EQUITY FUND	EQUITY	ETSY INC	988,144.00	48,320	0.82		
MML SMALL CAP EQUITY FUND	EQUITY	NATIONAL STORAGE AFFILIATES	1,822,603.60	66,860	1.52		
MML SMALL CAP EQUITY FUND	EQUITY	WRIGHT MEDICAL GROUP NV	829,614.00	37,370	0.69		
MML SMALL CAP EQUITY FUND	EQUITY	SUBURBAN PROPANE PARTNERS LP	1,608,208.00	66,400	1.34		
MML SMALL CAP EQUITY FUND	EQUITY	BERKSHIRE HILLS BANCORP INC	924,516.00	25,260	0.77		
MML SMALL CAP EQUITY FUND	EQUITY	KORN/FERRY INTERNATIONAL	2,345,873.58	56,691	1.96		
MML SMALL CAP EQUITY FUND	EQUITY	GLATFELTER	791,564.80	36,920	0.66		
MML SMALL CAP EQUITY FUND	EQUITY	GREENBRIER COMPANIES INC	1,362,881.00	25,570	1.14		
MML SMALL CAP EQUITY FUND	EQUITY	UNIVERSAL CORP/VA	953,400.00	18,160	0.80		
MML SMALL CAP EQUITY FUND	EQUITY	MATTHEWS INTL CORP CLASS A	1,145,232.00	21,690	0.96		
MML SMALL CAP EQUITY FUND	EQUITY	BRANDYWINE REALTY TRUST	2,066,202.10	113,590	1.72		
MML SMALL CAP EQUITY FUND	EQUITY	FRED S INC CLASS A	329,184.00	81,280	0.27		
MML SMALL CAP EQUITY FUND	EQUITY	GENESSEE + WYOMING INC CL A	1,592,707.90	20,230	1.33		
MML SMALL CAP EQUITY FUND	EQUITY	IBERIABANK CORP	1,198,925.00	15,470	1.00		
MML SMALL CAP EQUITY FUND	EQUITY	OCEANFIRST FINANCIAL CORP	1,219,312.50	46,450	1.02		
MML SMALL CAP EQUITY FUND	EQUITY	QUIDEL CORP	864,832.50	19,950	0.72		
MML SMALL CAP EQUITY FUND	EQUITY	STIFEL FINANCIAL CORP	1,452,072.80	24,380	1.21		
MML SMALL CAP EQUITY FUND	EQUITY	WSFS FINANCIAL CORP	564,151.50	11,790	0.47		
MML SMALL CAP EQUITY FUND	EQUITY	AMEDISYS INC	1,325,656.50	25,150	1.11		
MML SMALL CAP EQUITY FUND	EQUITY	BLACK HILLS CORP	1,832,152.80	30,480	1.53		
MML SMALL CAP EQUITY FUND	EQUITY	CACI INTERNATIONAL INC CL A	2,273,905.35	17,181	1.90		
MML SMALL CAP EQUITY FUND	EQUITY	CHEMICAL FINANCIAL CORP	1,206,924.84	22,572	1.01		
MML SMALL CAP EQUITY FUND	EQUITY	GROUP 1 AUTOMOTIVE INC	2,113,486.60	29,780	1.76		
MML SMALL CAP EQUITY FUND	EQUITY	ON ASSIGNMENT INC	2,275,158.00	35,400	1.90		
MML SMALL CAP EQUITY FUND	EQUITY	PEGASYSTEMS INC	1,465,704.90	31,086	1.22		
MML SMALL CAP EQUITY FUND	EQUITY	SEMTECH CORP	1,647,756.00	48,180	1.37		
MML SMALL CAP EQUITY FUND	EQUITY	SONIC CORP	1,465,233.60	53,320	1.22		
MML SMALL CAP EQUITY FUND	EQUITY	DYCOM INDUSTRIES INC	1,311,531.10	11,770	1.09		
MML SMALL CAP EQUITY FUND	EQUITY	MKS INSTRUMENTS INC	1,560,195.00	16,510	1.30		
MML SMALL CAP EQUITY FUND	EQUITY	WEBSTER FINANCIAL CORP	1,767,916.80	31,480	1.47		
MML SMALL CAP EQUITY FUND	EQUITY	ALLEGHENY TECHNOLOGIES INC	965,237.90	39,985	0.81		
MML SMALL CAP EQUITY FUND	EQUITY	NAVISTAR INTERNATIONAL CORP	1,028,262.40	23,980	0.86		
MML SMALL CAP EQUITY FUND	EQUITY	EXACT SCIENCES CORP	702,459.80	13,370	0.59		
MML SMALL CAP EQUITY FUND	EQUITY	MB FINANCIAL INC	1,454,468.40	32,670	1.21		
MML SMALL CAP EQUITY FUND	EQUITY	BROOKS AUTOMATION INC	1,173,658.50	49,210	0.98		
MML SMALL CAP EQUITY FUND	EQUITY	COMPASS MINERALS INTERNATION	1,279,547.50	17,710	1.07		
MML SMALL CAP EQUITY FUND	EQUITY	NUVASIVE INC	1,383,288.50	23,650	1.15		
MML SMALL CAP EQUITY FUND	EQUITY	TEXAS ROADHOUSE INC	829,710.00	15,750	0.69		
MML SMALL CAP EQUITY FUND	EQUITY	NORTHWESTERN CORP	1,698,465.00	28,450	1.42		
MML SMALL CAP EQUITY FUND	EQUITY	PRESTIGE BRANDS HOLDINGS INC	2,432,380.11	54,771	2.03		
MML SMALL CAP EQUITY FUND	EQUITY	DIAMONDROCK HOSPITALITY CO	1,727,031.30	152,970	1.44		
MML SMALL CAP EQUITY FUND	EQUITY	DSW INC CLASS A	1,305,795.90	60,990	1.09		
MML SMALL CAP EQUITY FUND	EQUITY	ACCO BRANDS CORP	1,580,388.00	129,540	1.32		
MML SMALL CAP EQUITY FUND	EQUITY	NXSTAGE MEDICAL INC	553,170.90	22,830	0.46		
MML SMALL CAP EQUITY FUND	EQUITY	KAISER ALUMINUM CORP	1,578,708.75	14,775	1.32		

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML SMALL CAP EQUITY FUND	EQUITY	COMMVault SYSTEMS INC	856,275.00	16,310	0.71		
MML SMALL CAP EQUITY FUND	EQUITY	EMERGENT BIOSOLUTIONS INC	875,959.50	18,850	0.73		
MML SMALL CAP EQUITY FUND	EQUITY	KBR INC	1,293,233.28	65,216	1.08		
MML SMALL CAP EQUITY FUND	EQUITY	TERADATA CORP	1,253,411.40	32,590	1.05		
MML SMALL CAP EQUITY FUND	EQUITY	ADDUS HOMECARE CORP	436,461.60	12,542	0.36		
MML SMALL CAP EQUITY FUND	EQUITY	GENERAC HOLDINGS INC	1,849,572.00	37,350	1.54		
MML SMALL CAP EQUITY FUND	EQUITY	MAXLINEAR INC	1,155,346.60	43,730	0.96		
MML SMALL CAP EQUITY FUND	EQUITY	ORITANI FINANCIAL CORP	674,860.00	41,150	0.56		
MML SMALL CAP EQUITY FUND	EQUITY	ENVESTNET INC	913,750.50	18,330	0.76		
MML SMALL CAP EQUITY FUND	EQUITY	VISTEON CORP	2,298,821.80	18,370	1.92		
MML SMALL CAP EQUITY FUND	EQUITY	LIGAND PHARMACEUTICALS	640,832.40	4,680	0.53		
MML SMALL CAP EQUITY FUND	EQUITY	RIGNET INC	263,613.35	17,633	0.22		
MML SMALL CAP EQUITY FUND	EQUITY	BANKUNITED INC	1,788,788.88	43,929	1.49		
MML SMALL CAP EQUITY FUND	EQUITY	SPIRIT AIRLINES INC	1,775,163.00	39,580	1.48		
MML SMALL CAP EQUITY FUND	EQUITY	WESCO AIRCRAFT HOLDINGS INC	719,724.00	97,260	0.60		
MML SMALL CAP EQUITY FUND	EQUITY	CYS INVESTMENTS INC	1,692,402.80	210,760	1.41		
MML SMALL CAP EQUITY FUND	EQUITY	CLOVIS ONCOLOGY INC	466,480.00	6,860	0.39		
MML SMALL CAP EQUITY FUND	EQUITY	J2 GLOBAL INC	1,748,274.03	23,301	1.46		
MML SMALL CAP EQUITY FUND	EQUITY	ZYNGA INC CL A	1,997,440.00	499,360	1.67		
MML SMALL CAP EQUITY FUND	EQUITY	THERAPEUTICSMD INC	580,262.80	96,070	0.48		
MML SMALL CAP EQUITY FUND	EQUITY	RENEWABLE ENERGY GROUP INC	939,032.20	79,579	0.78		
MML SMALL CAP EQUITY FUND	EQUITY	MATADOR RESOURCES CO	917,245.45	29,465	0.77		
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	DRB PRIME STUDENT LOAN TRUST	97,911.75	98,605	0.01	2.32	4/25/2030
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	BM1059542 IRS USD R V 12MUSCPI	8,500,000.00	8,500,000	0.69	1	2/17/2018
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	BM1059542 IRS USD P F 1.03300	(8,330,408.77)	(8,500,000)	0.68	1.033	2/17/2018
MML INFLATION-PROTECTED & INCOME FUND	CASH EQUIVALENT	REVERSE REPO HSBC	(94,453,250.00)	(94,453,250)	7.66	1.52	3/6/2018
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	SOCIAL PROFESSIONAL LOAN PROGR	1,196,987.16	1,200,000	0.10	2.05	1/25/2041
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	MARINER FINANCE ISSUANCE TRUST	1,596,864.96	1,600,000	0.13	2.92	12/20/2029
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	AIMCO	2,450,000.00	2,450,000	0.20	1	1/15/2028
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	FREDDIE MAC	772,366.11	766,456	0.06	3	3/15/2041
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	SOFI CONSUMER LOAN PROGRAM TRU	2,522,234.40	2,515,970	0.20	3.06	9/25/2028
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	CPS AUTO TRUST	2,001,327.40	2,000,000	0.16	2.68	5/17/2021
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	FLAGSHIP CREDIT AUTO TRUST	1,322,815.56	1,320,000	0.11	2.83	3/15/2023
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	EXETER AUTOMOBILE RECEIVABLES	697,460.82	700,000	0.06	3	12/15/2021
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	SOCIAL PROFESSIONAL LOAN PROGR	1,239,931.68	1,233,521	0.10	2.25213	3/26/2040
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	BM1069863 IRS USD P F 2.19500	(8,640,403.75)	(8,600,000)	0.70	2.195	2/16/2019
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	BM1069863 IRS USD R V 12MUSCPI	8,600,000.00	8,600,000	0.70	1	2/16/2019
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	MARINER FINANCE ISSUANCE TRUST	772,643.26	770,000	0.06	3.62	2/20/2029
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	ECMC GROUP STUDENT LOAN TRUST	1,914,861.93	1,893,045	0.16	2.75213	12/27/2066
MML INFLATION-PROTECTED & INCOME FUND	CASH EQUIVALENT	FEDEX CORPORATION	5,997,181.68	6,000,000	0.49	0	1/8/2018
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	DT AUTO OWNER TRUST	1,778,574.65	1,780,157	0.14	1.85	8/17/2020
MML INFLATION-PROTECTED & INCOME FUND	CASH EQUIVALENT	FMC TECH INC	5,998,324.02	6,000,000	0.49	0	1/4/2018
MML INFLATION-PROTECTED & INCOME FUND	CASH EQUIVALENT	THOMSON REUTERS CORP	5,986,575.00	6,000,000	0.49	0	2/12/2018
MML INFLATION-PROTECTED & INCOME FUND	CASH EQUIVALENT	MARRIOTT INTERNATION	499,570.50	500,000	0.04	0	1/16/2018
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	FLAGSHIP CREDIT AUTO TRUST	2,180,401.23	2,190,000	0.18	2.66	10/17/2022
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	FLAGSHIP CREDIT AUTO TRUST	1,705,922.68	1,710,000	0.14	2.07	4/15/2022
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	SANTANDER RETAIL AUTO LEASE TR	5,500,406.72	5,502,493	0.45	1.5	11/20/2018
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	FIRST INVESTORS AUTO OWNER TRU	2,066,854.72	2,071,110	0.17	2	3/15/2022
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	NEUBERGER BERMAN CLO LTD	2,450,139.65	2,450,000	0.20	1	1/15/2028
MML INFLATION-PROTECTED & INCOME FUND	CASH EQUIVALENT	PUBLIC SEVC. ENT. GR	5,993,064.00	6,000,000	0.49	0	1/22/2018
MML INFLATION-PROTECTED & INCOME FUND	CASH EQUIVALENT	TRANSCANADA PIPELINES LTD	5,996,892.48	6,000,000	0.49	0	1/9/2018
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	BM1105360 IRS USD R V 12MUSCPI	8,500,000.00	8,500,000	0.69	1	11/20/2019

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	BM1105360 IRS USD P F 2.01250	(8,493,878.64)	(8,500,000)	0.69	2.0125	11/20/2019
MML INFLATION-PROTECTED & INCOME FUND	CASH EQUIVALENT	WPP CP FINANCE PLC	2,999,019.99	3,000,000	0.24	0	1/5/2018
MML INFLATION-PROTECTED & INCOME FUND	CASH EQUIVALENT	WALGREENS BOOTS	5,984,409.18	6,000,000	0.49	0	2/20/2018
MML INFLATION-PROTECTED & INCOME FUND	CASH EQUIVALENT	ENTERPRISE PRODS OPER LLC	5,994,256.68	6,000,000	0.49	0	1/18/2018
MML INFLATION-PROTECTED & INCOME FUND	CASH EQUIVALENT	SCHLUMBERGER HOLDINGS	5,984,144.16	6,000,000	0.49	0	2/20/2018
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	AMERICAN CREDIT ACCEPTANCE REC	1,429,421.14	1,430,000	0.12	2	7/10/2020
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	AMERICAN CREDIT ACCEPTANCE REC	1,449,239.77	1,450,000	0.12	2.94	1/10/2024
MML INFLATION-PROTECTED & INCOME FUND	CASH EQUIVALENT	WPP CP FINANCE PLC	1,999,060.56	2,000,000	0.16	0	1/8/2018
MML INFLATION-PROTECTED & INCOME FUND	CASH EQUIVALENT	HYUNDAI CAPITAL AMERICA	5,998,324.02	6,000,000	0.49	0	1/4/2018
MML INFLATION-PROTECTED & INCOME FUND	CASH EQUIVALENT	SUNCOR ENERGY INC	5,996,019.36	6,000,000	0.49	0	1/12/2018
MML INFLATION-PROTECTED & INCOME FUND	CASH EQUIVALENT	GLENORE FUNDING LLC	5,996,430.00	6,000,000	0.49	0	1/10/2018
MML INFLATION-PROTECTED & INCOME FUND	CASH EQUIVALENT	FLORIDA PWR & LGT CO	5,992,637.52	6,000,000	0.49	0	1/23/2018
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	BM1105022 IRS USD R V 12MUSCPI	8,700,000.00	8,700,000	0.71	1	10/31/2019
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	BM1105022 IRS USD P F 2.09000	(8,685,412.54)	(8,700,000)	0.70	2.09	10/31/2019
MML INFLATION-PROTECTED & INCOME FUND	CASH EQUIVALENT	XCEL ENERGY INC	5,960,670.00	6,000,000	0.48	0	4/23/2018
MML INFLATION-PROTECTED & INCOME FUND	CASH EQUIVALENT	HP INC	5,997,610.02	6,000,000	0.49	0	1/8/2018
MML INFLATION-PROTECTED & INCOME FUND	CASH EQUIVALENT	ROGERS COMMUNICATIONS	5,996,310.18	6,000,000	0.49	0	1/11/2018
MML INFLATION-PROTECTED & INCOME FUND	CASH EQUIVALENT	REVERSE REPO PARIBAS	(74,574,500.00)	(74,574,500)	6.05	1.43	2/2/2018
MML INFLATION-PROTECTED & INCOME FUND	CASH EQUIVALENT	REVERSE REPO GOLDMAN	(64,633,710.83)	(64,633,711)	5.24	1.45	1/31/2018
MML INFLATION-PROTECTED & INCOME FUND	CASH EQUIVALENT	REVERSE REPO DAIWA SECURITIES	(58,105,000.44)	(58,105,000)	4.71	1.43	2/6/2018
MML INFLATION-PROTECTED & INCOME FUND	FUTURE	US 10YR NOTE (CBT)MAR18	-	(5,100,000)	0.00	0	3/20/2018
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	ONEMAIN DIRECT AUTO RECEIVABLE	939,175.43	940,000	0.08	2.31	12/14/2021
MML INFLATION-PROTECTED & INCOME FUND	CASH EQUIVALENT	SPECTRA ENERGY PARTNERS	5,998,039.98	6,000,000	0.49	0	1/5/2018
MML INFLATION-PROTECTED & INCOME FUND	CASH EQUIVALENT	CARNIVAL CORP	5,986,800.00	6,000,000	0.49	0	2/12/2018
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	CIFC FUNDING LTD	2,447,540.20	2,450,000	0.20	1	4/15/2027
MML INFLATION-PROTECTED & INCOME FUND	CASH EQUIVALENT	MOLEX ELECTRONIC TECHNOLOGIES	3,734,490.83	3,750,000	0.30	0	3/13/2018
MML INFLATION-PROTECTED & INCOME FUND	CASH EQUIVALENT	TIME WARNER INC	5,990,953.14	6,000,000	0.49	0	1/29/2018
MML INFLATION-PROTECTED & INCOME FUND	OPTIONS	BM1106277 SWAPTION	546,368.98	11,240,000	0.04	0	12/13/2032
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	MP CLO VII, LTD	1,898,630.29	1,900,000	0.15	2.36954	4/18/2027
MML INFLATION-PROTECTED & INCOME FUND	CASH EQUIVALENT	WESTAR ENERGY INC	3,194,860.80	3,200,000	0.26	0	1/31/2018
MML INFLATION-PROTECTED & INCOME FUND	CASH EQUIVALENT	FIXED INC CLEARING CORP.REPO	370,643.08	370,643	0.03	0.54	1/2/2018
MML INFLATION-PROTECTED & INCOME FUND	CASH EQUIVALENT	EURO TIME DEPOSIT (USD)	68,868.13	68,868	0.01	0.000003	1/2/2018
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	COLLEGE LOAN CORPORATON TRUST	551,418.39	604,236	0.04	1.84917	1/15/2037
MML INFLATION-PROTECTED & INCOME FUND	EQUITY	FORWARDS GOLDMAN SACHS BOC	(610,420.00)	(610,420)	0.05		
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	TAL ADVANTAGE LLC	108,163.91	108,351	0.01	1.7	5/20/2039
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	BANK OF THE WEST AUTO TRUST	442,527.37	442,747	0.04	1.65	3/16/2020
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	OSCAR US FUNDING TRUST	747,687.75	750,000	0.06	2.44	6/15/2022
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	BCC FUNDING CORP	147,820.20	148,048	0.01	2.224	10/20/2020
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	BM1048172 CDS USD R F 3.00000	589,039.96	690,000	0.05	3	11/17/2045
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	BM1048172 CDS USD P V 01MEVENT	(690,000.00)	(690,000)	0.06	1	11/17/2045
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	ELARA HGV TIMESHARE ISSUER	239,816.62	244,981	0.02	3.02	2/25/2027
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	DRB PRIME STUDENT LOAN TRUST	184,472.83	186,872	0.01	2.54	4/27/2026
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	BM1058767 CDS USD R F 3.00000	281,714.76	330,000	0.02	3	5/11/2063
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	BM1058767 CDS USD P V 01MEVENT	(330,000.00)	(330,000)	0.03	1	5/11/2063
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	BM1058601 CDS USD R F 3.00000	759,776.18	890,000	0.06	3	5/11/2063
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	BM1058601 CDS USD P V 01MEVENT	(890,000.00)	(890,000)	0.07	1	5/11/2063
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	HERTZ FLEET LEASE FUNDING LP	1,134,727.48	1,131,677	0.09	2.53185	4/10/2030
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	AMERICAN CREDIT ACCEPTANCE REC	31,245.14	31,254	0.00	2.22	7/13/2020
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	CPS AUTO TRUST	57,770.94	57,785	0.00	2.07	11/15/2019
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	NEXTGEAR FLOORPLAN MASTER OWNE	974,730.82	960,000	0.08	3.17703	4/15/2021
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	NAVIENT STUDENT LOAN TRUST	757,756.88	750,000	0.06	2.40213	6/25/2065
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	EARNST STUDENT LOAN PROGRAM L	954,231.87	939,793	0.08	3.40213	10/27/2036

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	NAVISTAR FINANCIAL DEALER NOTE	784,507.23	780,000	0.06	2.90213	9/27/2021
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	EXETER AUTOMOBILE RECEIVABLES	417,173.65	420,000	0.03	2.84	8/16/2021
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	AMERICAN CREDIT ACCEPTANCE REC	949,956.68	950,000	0.08	2.39	2/16/2021
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	DRIVE AUTO RECEIVABLES TRUST	652,745.99	650,000	0.05	2.84	4/15/2022
MML INFLATION-PROTECTED & INCOME FUND	CASH EQUIVALENT	DEUTSCHE TELEKOM AG	5,991,250.02	6,000,000	0.49	0	1/26/2018
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	DT AUTO OWNER TRUST	806,105.12	810,000	0.07	2.4	5/17/2021
MML INFLATION-PROTECTED & INCOME FUND	CASH EQUIVALENT	EQUIFAX INC	5,993,064.00	6,000,000	0.49	0	1/22/2018
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	FANNIE MAE	1,178,774.12	1,173,558	0.10	3	4/25/2040
MML INFLATION-PROTECTED & INCOME FUND	CASH EQUIVALENT	REVERSE REPO MORGAN STANLEY	(44,526,425.00)	(44,526,425)	3.61	1.36	1/3/2018
MML INFLATION-PROTECTED & INCOME FUND	CASH EQUIVALENT	CENTERPOINT ENGY INC	5,998,324.02	6,000,000	0.49	0	1/4/2018
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	CPS AUTO TRUST	1,639,653.61	1,643,225	0.13	1.87	3/15/2021
MML INFLATION-PROTECTED & INCOME FUND	CASH EQUIVALENT	DOMINION RESOURCES	5,969,279.16	6,000,000	0.48	0	4/9/2018
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	DRIVE AUTO RECEIVABLES TRUST	1,192,538.59	1,192,629	0.10	1.45	11/15/2018
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	ENTERPRISE FLEET FINANCING LLC	2,265,693.64	2,266,890	0.18	1.5	10/22/2018
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	MARLETTE FUNDING TRUST	607,962.68	608,209	0.05	2.36	12/15/2024
MML INFLATION-PROTECTED & INCOME FUND	CASH EQUIVALENT	FORTIVE CORPORATION	5,994,846.00	6,000,000	0.49	0	1/16/2018
MML INFLATION-PROTECTED & INCOME FUND	CASH EQUIVALENT	NASDAQ INC	5,992,551.00	6,000,000	0.49	0	1/24/2018
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	AVANT LOANS FUNDING TRUST	1,650,386.40	1,650,809	0.13	2.29	6/15/2020
MML INFLATION-PROTECTED & INCOME FUND	CASH EQUIVALENT	ENTERGY CORPORATION	4,998,941.10	5,000,000	0.41	0	1/2/2018
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	DRB PRIME STUDENT LOAN TRUST	976,949.26	980,000	0.08	1.87	11/25/2042
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	ALLY AUTO RECEIVABLES TRUST	1,363,721.83	1,364,169	0.11	1.4	12/17/2018
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	FIRST INVESTORS AUTO OWNER TRU	597,118.80	600,000	0.05	2.72	4/17/2023
MML INFLATION-PROTECTED & INCOME FUND	CASH EQUIVALENT	MOLEX ELECTRONIC TECHNOLOGIES	5,998,753.98	6,000,000	0.49	0	1/2/2018
MML INFLATION-PROTECTED & INCOME FUND	CASH EQUIVALENT	MARRIOTT INTERNATION	5,994,256.68	6,000,000	0.49	0	1/18/2018
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	OCP CLO LTD	2,453,856.30	2,450,000	0.20	2.19064	10/26/2027
MML INFLATION-PROTECTED & INCOME FUND	CASH EQUIVALENT	SEMPRA ENERGY HOLDIN	5,993,959.02	6,000,000	0.49	0	1/19/2018
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	EDLINC STUDENT LOAN FUNDING TR	1,290,959.80	1,300,000	0.10	1	12/1/2047
MML INFLATION-PROTECTED & INCOME FUND	CASH EQUIVALENT	TELUS CORP	5,993,064.00	6,000,000	0.49	0	1/22/2018
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	AMERICREDIT AUTOMOBILE RECEIVA	2,434,576.19	2,435,204	0.20	1.45	11/19/2018
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	AVERY POINT CLO LTD	2,452,905.70	2,450,000	0.20	2.46742	4/25/2026
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	WESTGATE RESORTS	730,495.57	731,869	0.06	3.05	12/20/2030
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	TSY INFL IX N/B	18,430,613.67	18,561,324	1.50	0.125	4/15/2022
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	COMMONBOND STUDENT LOAN TRUST	771,544.42	766,696	0.06	2.40213	5/25/2041
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	TRAFIGURA SECURITISATION FINAN	1,003,860.00	1,000,000	0.08	2.32703	12/15/2020
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	MARLETTE FUNDING TRUST	788,599.80	788,691	0.06	2.39	7/15/2024
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	TRAFIGURA SECURITISATION FINAN	1,336,191.15	1,330,000	0.11	3.17703	12/15/2020
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	TSY INFL IX N/B	15,446,370.05	15,529,052	1.25	0.375	7/15/2027
MML INFLATION-PROTECTED & INCOME FUND	FUTURE	US ULTRA BOND CBT MAR18	-	(500,000)	0.00	0	3/20/2018
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	NAVIENT STUDENT LOAN TRUST	1,463,831.99	1,450,000	0.12	2.55213	9/27/2066
MML INFLATION-PROTECTED & INCOME FUND	FUTURE	US 5YR NOTE (CBT) MAR18	-	(2,900,000)	0.00	0	3/29/2018
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	TRIP RAIL MASTER FUNDING LLC	301,298.48	302,481	0.02	2.709	8/15/2047
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	MVW OWNER TRUST	209,552.02	211,485	0.02	2.42	12/20/2034
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	AMERICREDIT AUTOMOBILE RECEIVA	1,329,208.45	1,329,442	0.11	1.4	8/20/2018
MML INFLATION-PROTECTED & INCOME FUND	FUTURE	US LONG BOND(CBT) MAR18	-	(100,000)	0.00	0	3/20/2018
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	OSCAR US FUNDING TRUST	939,729.50	940,589	0.08	1.45	10/10/2018
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	SANTANDER DRIVE AUTO RECEIVABL	1,312,717.05	1,312,853	0.11	1.4	10/15/2018
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	FANNIE MAE	609,883.56	606,025	0.05	3	1/25/2041
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	JP MORGAN MORTGAGE TRUST	1,145,527.78	1,130,000	0.09	3.5	12/25/2048
MML INFLATION-PROTECTED & INCOME FUND	OPTIONS	BM1106004 SWAPTION	1,081,338.09	22,880,000	0.09	0	12/13/2032
MML INFLATION-PROTECTED & INCOME FUND	CASH EQUIVALENT	BELL CANADA	5,975,733.36	6,000,000	0.48	0	3/19/2018
MML INFLATION-PROTECTED & INCOME FUND	CASH EQUIVALENT	ENBRIDGE (US) INC	5,975,086.14	6,000,000	0.48	0	3/22/2018
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	BM1106707 IRS USD R V 12MUSCPI	17,000,000.00	17,000,000	1.38	1	12/20/2019

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	BM1106707 IRS USD P F 1.91000	(16,970,704.41)	(17,000,000)	1.38	1.91	12/20/2019
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	OSCAR US FUNDING TRUST	499,768.50	500,000	0.04	2.82	6/10/2021
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	MARLETTE FUNDING TRUST	1,461,200.51	1,456,922	0.12	2.827	3/15/2024
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	ORANGE LAKE TIMESHARE TRUST	462,507.40	467,241	0.04	2.61	3/8/2029
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	FANNIE MAE CAS	847,092.34	838,812	0.07	2.85213	4/25/2029
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	DRIVE AUTO RECEIVABLES TRUST	164,556.33	164,401	0.01	2.56	6/15/2020
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	SOCIAL PROFESSIONAL LOAN PROGR	644,848.04	645,788	0.05	1.68	3/25/2031
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	OXFORD FINANCE FUNDING TRUST	501,898.05	500,000	0.04	3.968	6/17/2024
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	CHESAPEAKE FUNDING II LLC	1,459,657.69	1,451,653	0.12	2.47703	6/15/2028
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	NEW RESIDENTIAL ADVANCE RECEIV	248,500.00	250,000	0.02	2.7511	6/15/2049
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	FANNIE MAE CAS	644,997.86	639,298	0.05	3.00213	1/25/2029
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	NEW YORK CITY TAX LIEN	1,033,167.20	1,039,037	0.08	1.47	11/10/2029
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	FLAGSHIP CREDIT AUTO TRUST	242,185.95	242,491	0.02	1.61	12/15/2019
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	FANNIE MAE CAS	465,208.00	462,684	0.04	2.90213	1/25/2029
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	CONSUMER INSTALLMENT LOAN TRUS	159,261.32	158,881	0.01	3.96	7/15/2022
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	ECMC GROUP STUDENT LOAN TRUST	1,227,829.06	1,216,588	0.10	2.6775	7/26/2066
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	461,427.14	489,390	0.04	1.57742	10/25/2040
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	NAVIENT STUDENT LOAN TRUST	2,262,126.68	2,200,000	0.18	2.85213	3/25/2066
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	OSCAR US FUNDING TRUST	421,391.88	420,000	0.03	3.3	5/10/2024
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	550,000.00	550,000	0.04	0.5	6/17/2030
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	750,000.00	750,000	0.06	0.5	9/15/2028
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	COUNTRYWIDE ASSET BACKED CERTI	72,233.72	72,497	0.01	2.01213	9/25/2034
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	240,000.00	240,000	0.02	0.5	3/15/2028
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	159,268.27	158,501	0.01	2.56742	7/27/2026
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	327,088.19	373,504	0.03	1.83742	10/25/2064
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	NELNET STUDENT LOAN TRUST	884,454.27	941,383	0.07	1.56742	1/25/2038
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	SLC STUDENT LOAN TRUST	1,482,580.97	1,599,829	0.12	1.81849	12/15/2039
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	ACE SECURITIES CORP.	110,084.24	109,256	0.01	2.28713	8/25/2035
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	CREDIT SUISSE FIRST BOSTON MOR	178,318.64	179,379	0.01	2.25213	3/25/2045
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	398,868.20	400,000	0.03	1.66742	7/25/2025
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	446,755.46	492,765	0.04	1.67742	1/25/2055
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	458,066.03	493,946	0.04	1.58742	1/25/2041
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	421,650.48	449,753	0.03	1.56742	1/25/2070
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	SLC STUDENT LOAN TRUST	2,158,244.26	2,313,260	0.18	1.86849	3/15/2040
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	NELNET STUDENT LOAN TRUST	390,891.93	454,555	0.03	1.92464	6/25/2041
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	KEYCORP STUDENT LOAN TRUST	688,773.54	691,414	0.06	1.98464	9/27/2035
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	SLC STUDENT LOAN TRUST	565,201.20	565,202	0.05	1.52917	7/15/2036
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	NELNET STUDENT LOAN TRUST	1,048,313.53	1,133,474	0.09	1.82793	3/23/2037
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	ACCESS GROUP INC	125,689.47	133,318	0.01	2.52	7/1/2038
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	BM1047976 CDS USD P V 01MEVENT	(1,600,000.00)	(1,600,000)	0.13	1	11/17/2045
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	SIERRA RECEIVABLES FUNDING CO	114,722.60	117,243	0.01	3.02	6/20/2032
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	FLAGSHIP CREDIT AUTO TRUST	291,633.49	291,607	0.02	1.98	10/15/2020
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	CPS AUTO TRUST	598,068.98	598,117	0.05	2.55	2/18/2020
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	GENERAL MOTORS FINL CO	1,749,272.78	1,720,000	0.14	3.41917	1/15/2019
MML INFLATION-PROTECTED & INCOME FUND	EQUITY	FORWARDS DAIWA BOC	(2,431,000.00)	(2,431,000)	0.20		
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	BLUE VIRGO	773,135.47	771,423	0.06	3	12/15/2022
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	WESTGATE RESORTS	460,813.18	461,618	0.04	3.2	7/20/2028
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	FNA TRUST	202,872.34	204,038	0.02	3.24	12/10/2023
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	DRB PRIME STUDENT LOAN TRUST	851,786.60	835,733	0.07	3.25213	1/25/2040
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	EDUCATIONAL SERVICES OF AMERIC	941,768.40	1,000,000	0.08	3.05213	12/25/2058
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	BM1058171 IRS USD R V 12MUSCPI	8,300,000.00	8,300,000	0.67	1	1/13/2018
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	BM1058171 IRS USD P F 1.29500	(8,202,239.45)	(8,300,000)	0.67	1.295	1/13/2018

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	DT AUTO OWNER TRUST	59,036.70	59,029	0.00	2.79	5/15/2020
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	ENTERPRISE FLEET FINANCING LLC	491,303.84	491,576	0.04	1.83	9/20/2021
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	FIRST INVESTORS AUTO OWNER TRU	148,954.38	148,968	0.01	1.92	5/15/2020
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	NATIONS EQUIPMENT FINANCE	276,805.54	276,489	0.02	3.61	2/20/2021
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	FLAGSHIP CREDIT AUTO TRUST	358,910.12	357,696	0.03	2.77	12/15/2020
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	DRB PRIME STUDENT LOAN TRUST	246,150.96	246,792	0.02	3.55213	4/25/2040
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	SOCIAL PROFESSIONAL LOAN PROGR	747,201.70	729,451	0.06	3.07862	8/25/2036
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	ELEMENT RAIL LEASING LLC	415,783.37	409,418	0.03	3.968	3/19/2046
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	OSCAR US FUNDING TRUST	182,554.10	181,617	0.01	2.95028	7/15/2020
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	NELNET STUDENT LOAN TRUST	1,476,058.74	1,550,897	0.12	1.71742	10/25/2040
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	1,829,844.81	1,850,000	0.15	1.91742	10/25/2064
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	EARNST STUDENT LOAN PROGRAM L	682,833.71	680,516	0.06	3.28788	2/26/2035
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	DRB PRIME STUDENT LOAN TRUST	666,972.88	665,584	0.05	2.89	6/25/2040
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	573,472.50	600,000	0.05	1.47742	1/26/2043
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	FED HM LN PC POOL 1Q0239	645,446.60	609,932	0.05	3.237	3/1/2037
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	321 HENDERSON RECEIVABLES LLC	726,771.75	758,817	0.06	1.67703	3/15/2042
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	CIT EDUCATION LOAN TRUST	415,248.17	417,602	0.03	1.70849	3/15/2026
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	ACCESS GROUP INC	148,506.56	148,507	0.01	1.49472	11/22/2024
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	321 HENDERSON RECEIVABLES LLC	172,482.78	182,406	0.01	1.45028	9/15/2041
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	321 HENDERSON RECEIVABLES LLC	381,571.05	390,713	0.03	1.67703	12/15/2041
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	BRAZOS TX HGR EDU AUTH	436,315.95	450,000	0.04	0.4455	6/25/2026
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	GNMA II POOL 082462	170,355.70	165,330	0.01	2.375	1/20/2040
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	JP MORGAN STUDENT LOAN TRUST	636,822.96	667,634	0.05	1.66389	6/28/2039
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	GOAL CAPITAL FUNDING TRUST	436,997.43	440,371	0.04	2.16206	8/25/2048
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	456,751.72	440,000	0.04	3.97703	1/15/2043
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	LOUISIANA ST PUBLIC FACS AUTH	155,661.67	155,094	0.01	2.26742	4/26/2027
MML INFLATION-PROTECTED & INCOME FUND	EQUITY	FORWARDS GOLDMAN SACHS COC	168,000.00	168,000	0.01		
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	DIAMOND RESORTS OWNER TRUST	354,438.11	355,327	0.03	1.95	1/20/2025
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	SIERRA RECEIVABLES FUNDING CO	81,817.45	81,858	0.01	1.59	11/20/2029
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	LCM LTD PARTNERSHIP	1,326,263.57	1,324,431	0.11	2.50917	7/15/2025
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	SIERRA RECEIVABLES FUNDING CO	236,030.97	236,123	0.02	2.28	11/20/2025
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	NELNET STUDENT LOAN TRUST	340,694.03	375,000	0.03	2.8275	6/25/2041
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	321 HENDERSON RECEIVABLES LLC	673,627.37	688,543	0.05	1.67703	3/15/2041
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	MIRAMAX LLC	595,117.87	594,632	0.05	3.34	7/20/2026
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	WESTGATE RESORTS	205,480.46	207,758	0.02	2.15	12/20/2026
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	NATIONS EQUIPMENT FINANCE FUND	4,035.39	4,037	0.00	1.558	7/20/2018
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	321 HENDERSON RECEIVABLES LLC	1,834,843.55	1,878,529	0.15	1.67703	6/15/2041
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	DONG FANG CONTAINER FINANCE SP	182,199.56	183,333	0.01	1.95	11/25/2039
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	ALLY MASTER OWNER TRUST	1,202,074.44	1,200,000	0.10	2.04703	1/15/2021
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	MUFG AMERICAS HLDGS CORP	1,130,178.78	1,130,000	0.09	1.97258	2/9/2018
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	CFC LLC	112,268.88	112,458	0.01	1.75	6/15/2021
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	KENTUCKY ST HGR EDU STUDENT LO	449,642.69	450,648	0.04	2.111	12/1/2031
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	ALLERGAN FUNDING SCS	1,752,555.95	1,750,000	0.14	2.62878	3/12/2018
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	FLAGSHIP CREDIT AUTO TRUST	70,969.36	71,089	0.01	1.63	6/15/2020
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	PRESTIGE AUTO RECEIVABLES TRUS	699,638.87	700,000	0.06	2.04	4/15/2021
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	NAVITAS EQUIPMENT RECEIVABLES	61,025.63	61,061	0.00	2.12	11/15/2018
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	FREDDIE MAC STACR	77,610.82	77,547	0.01	2.45213	10/25/2027
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	EDUCATIONAL SERVICES OF AMERIC	591,652.71	591,285	0.05	2.35213	10/25/2056
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	GLS AUTO RECEIVABLES TRUST	73,726.76	73,761	0.01	2.25	12/15/2020
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	BM1047976 CDS USD R F 3.00000	1,365,889.76	1,600,000	0.11	3	11/17/2045
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	CAZENOVIA CREEK FUNDING LLC	380,199.65	381,631	0.03	2	12/10/2023
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	DRB PRIME STUDENT LOAN TRUST	1,599,348.66	1,583,514	0.13	3.46375	10/25/2044

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	SANTANDER DRIVE AUTO RECEIVABL	964,868.41	963,850	0.08	2.33	11/15/2019
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	HILTON GRAND VACATIONS TRUST	147,335.92	149,849	0.01	1.77	11/25/2026
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	DRUG ROYALTY II LP 1	319,215.09	316,496	0.03	4.15361	7/15/2023
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	SIERRA RECEIVABLES FUNDING CO	266,496.92	267,550	0.02	2.05	6/20/2031
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	TSY INFL IX N/B	15,728,026.57	15,915,029	1.28	0.125	7/15/2024
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	CFC LLC	21,912.13	21,929	0.00	1.44	11/16/2020
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	SMB PRIVATE EDUCATION LOAN TRU	734,627.49	727,805	0.06	3.05	5/15/2026
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	SIERRA RECEIVABLES FUNDING CO	283,976.60	285,813	0.02	2.3	10/20/2031
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	OXFORD FINANCE FUNDING TRUST	122,342.55	123,023	0.01	3.475	12/15/2022
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	NAVIENT STUDENT LOAN TRUST	812,123.02	796,507	0.07	2.67703	12/15/2028
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	TSY INFL IX N/B	15,803,156.33	15,944,293	1.28	0.25	1/15/2025
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	SOCIAL PROFESSIONAL LOAN PROGR	231,426.38	228,088	0.02	2.52862	3/25/2033
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	TSY INFL IX N/B	8,706,262.83	8,662,825	0.71	0.75	2/15/2045
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	WESTGATE RESORTS	241,774.48	241,869	0.02	2.75	5/20/2027
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	CPS AUTO TRUST	22,745.82	22,751	0.00	1.53	7/15/2019
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	SANTANDER DRIVE AUTO RECEIVABL	1,202,463.60	1,200,000	0.10	2.44	4/15/2021
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	TSY INFL IX N/B	11,562,758.94	11,586,520	0.94	0.125	4/15/2020
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	ALLY FINANCIAL INC	1,710,115.00	1,705,000	0.14	3.6	5/21/2018
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	CPS AUTO TRUST	130,069.89	130,146	0.01	1.65	11/15/2019
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	TSY INFL IX N/B	15,990,856.58	15,966,456	1.30	0.375	7/15/2025
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	DIAMOND RESORTS OWNER TRUST	87,233.32	87,807	0.01	2.73	7/20/2027
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	SIERRA RECEIVABLES FUNDING CO	60,913.52	61,248	0.00	3.08	9/20/2032
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	FREDDIE MAC	923,595.20	916,666	0.07	3	8/15/2040
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	FLAGSHIP CREDIT AUTO TRUST	2,014,797.16	2,011,223	0.16	2.38	10/15/2020
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	DIAMOND RESORTS OWNER TRUST	159,602.18	160,761	0.01	3.54	5/22/2028
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	TSY INFL IX N/B	14,238,942.91	14,014,624	1.16	0.625	1/15/2026
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	CPS AUTO TRUST	1,183,537.99	1,182,998	0.10	2.25	10/15/2019
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	TSY INFL IX N/B	6,806,084.91	6,371,165	0.55	1	2/15/2046
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	TSY INFL IX N/B	17,899,853.04	17,973,925	1.45	0.125	4/15/2021
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	TACO BELL FUNDING, LLC	851,140.44	839,375	0.07	3.832	5/25/2046
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	DELL INT LLC / EMC CORP	1,113,780.16	1,100,000	0.09	3.48	6/1/2019
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	SMB PRIVATE EDUCATION LOAN TRU	203,209.49	203,132	0.02	2.17703	5/15/2023
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	WESTLAKE AUTOMOBILE RECEIVABLE	162,476.92	162,546	0.01	1.57	6/17/2019
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	SOFI CONSUMER LOAN PROGRAM TRU	1,164,100.99	1,157,348	0.09	3.26	8/25/2025
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	TSY INFL IX N/B	13,674,598.62	13,995,216	1.11	0.125	7/15/2026
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	CPS AUTO TRUST	110,994.49	111,155	0.01	1.62	1/15/2020
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	SOCIAL PROFESSIONAL LOAN PROGR	633,400.99	635,825	0.05	1.48	5/26/2031
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	MARLETTE FUNDING TRUST	305,259.65	304,720	0.02	3.06	1/17/2023
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	SOFI CONSUMER LOAN PROGRAM TRU	760,852.64	757,096	0.06	3.09	10/27/2025
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	NAVIENT STUDENT LOAN TRUST	2,700,150.11	2,636,912	0.22	2.80213	6/25/2065
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	SPRINGCASTLE SPV	1,086,572.97	1,079,876	0.09	3.05	4/25/2029
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	NELNET STUDENT LOAN TRUST	101,130.92	100,121	0.01	2.1275	4/25/2046
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	TSY INFL IX N/B	15,351,885.70	14,907,004	1.25	1.125	1/15/2021
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	TSY INFL IX N/B	5,918,085.94	4,516,784	0.48	2.125	2/15/2041
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	TSY INFL IX N/B	11,712,666.37	11,491,620	0.95	0.625	7/15/2021
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	NELNET STUDENT LOAN TRUST	651,076.99	650,000	0.05	1.48742	4/25/2031
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	TSY INFL IX N/B	16,129,785.77	16,195,022	1.31	0.125	1/15/2022
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	TSY INFL IX N/B	7,721,363.33	7,646,938	0.63	0.75	2/15/2042
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	TSY INFL IX N/B	16,298,319.13	16,320,218	1.32	0.125	7/15/2022
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	SVO VOI MORTGAGE CORP	578,842.07	584,398	0.05	2	9/20/2029
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	ARL LLC	786,081.81	780,244	0.06	3.22703	12/15/2042
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	TSY INFL IX N/B	16,742,935.93	16,873,984	1.36	0.125	1/15/2023

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	TSY INFL IX N/B	5,668,917.92	5,793,552	0.46	0.625	2/15/2043
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	CPS AUTO TRUST	146,888.76	146,956	0.01	1.82	9/15/2020
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	TSY INFL IX N/B	16,403,021.19	16,280,678	1.33	0.375	7/15/2023
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	DIAMOND RESORTS OWNER TRUST	572,594.53	574,166	0.05	2.27	5/20/2026
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	ACADEMIC LOAN FUNDING TRUST	2,287,551.15	2,298,859	0.19	2.35213	12/26/2044
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	SANTANDER DRIVE AUTO RECEIVABL	63,596.31	63,568	0.01	2.36	4/15/2020
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	TSY INFL IX N/B	16,135,059.31	15,857,407	1.31	0.625	1/15/2024
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	TSY INFL IX N/B	9,163,892.27	7,937,925	0.74	1.375	2/15/2044
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	SMB PRIVATE EDUCATION LOAN TRU	386,343.15	380,000	0.03	2.57703	9/15/2034
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	SOFI CONSUMER LOAN PROGRAM TRU	508,985.78	506,557	0.04	3.05	12/26/2025
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	NEW RESIDENTIAL ADVANCE RECEIV	3,763,710.00	3,800,000	0.31	2.5751	10/15/2049
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	FLAGSHIP CREDIT AUTO TRUST	667,900.90	680,000	0.05	2.71	11/15/2022
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	BLACKBIRD CAPITAL AIRCRAFT	359,652.54	363,021	0.03	2.487	12/16/2041
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	OAK HILL CREDIT PARTNERS	390,139.62	390,000	0.03	2.6125	1/21/2030
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	LCM LTD PARTNERSHIP	580,540.56	580,000	0.05	2.56261	10/20/2029
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	SPRINGLEAF FUNDING TRUST	1,832,696.69	1,830,000	0.15	2.9	11/15/2029
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	NELNET PRIVATE EDUCATION LOAN	837,860.56	836,217	0.07	3.0775	12/26/2040
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	HP ENTERPRISE CO	1,721,699.62	1,700,000	0.14	3.2725	10/5/2018
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	TSY INFL IX N/B	12,165,534.06	12,253,831	0.99	0.375	1/15/2027
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	TSY INFL IX N/B	6,902,034.31	6,642,025	0.56	0.875	2/15/2047
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	SOFI CONSUMER LOAN PROGRAM TRU	1,012,432.86	1,006,000	0.08	3.28	2/25/2026
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	TSY INFL IX N/B	6,002,980.53	4,575,270	0.49	3.625	4/15/2028
MML INFLATION-PROTECTED & INCOME FUND	CASH	US DOLLAR	(19,518.08)	(19,518)	0.00	0	
MML INFLATION-PROTECTED & INCOME FUND	CASH	EURO CURRENCY	0.14	0	0.00	0	
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	TSY INFL IX N/B	9,164,223.51	6,722,106	0.74	3.875	4/15/2029
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	TSY INFL IX N/B	3,844,814.37	2,779,360	0.31	3.375	4/15/2032
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	700,000.00	700,000	0.06	0.5	6/17/2030
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	KEYCORP STUDENT LOAN TRUST	470,460.39	476,758	0.04	1.78206	5/25/2029
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	TSY INFL IX N/B	11,639,098.10	10,213,701	0.94	2.375	1/15/2025
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	LONG BEACH MORTGAGE LOAN TRUST	176,666.64	176,526	0.01	2.37713	6/25/2035
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	TSY INFL IX N/B	9,366,054.72	8,326,760	0.76	2	1/15/2026
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	RAAC SERIES	86,203.62	86,391	0.01	1.80213	2/25/2037
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	GCCFC COMMERCIAL MORTGAGE TRUS	417,242.09	413,124	0.03	5.76666	7/10/2038
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	CITIGROUP MORTGAGE LOAN TRUST	219,502.27	219,084	0.02	2.22713	5/25/2035
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	ACCESS GROUP INC	181.52	182	0.00	1.62742	4/25/2029
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	MORGAN STANLEY CAPITAL INC	58,960.88	58,071	0.00	2.49713	4/25/2035
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	697,330.97	700,000	0.06	1.50742	10/25/2028
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	TSY INFL IX N/B	7,441,523.02	6,360,432	0.60	2.375	1/15/2027
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	TSY INFL IX N/B	7,278,470.11	6,475,865	0.59	1.75	1/15/2028
MML INFLATION-PROTECTED & INCOME FUND	EQUITY	SWAP GOLDMAN SACHS COC	119,000.00	119,000	0.01		
MML INFLATION-PROTECTED & INCOME FUND	EQUITY	SWAP BARCLAYS BANK BOC	(1,660,000.00)	(1,660,000)	0.13		
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	39,625.41	39,610	0.00	1.86849	9/15/2022
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	TSY INFL IX N/B	8,111,091.58	6,686,598	0.66	2.5	1/15/2029
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	TSY INFL IX N/B	3,341,284.59	2,567,790	0.27	2.125	2/15/2040
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	522,190.69	550,270	0.04	2.23849	12/15/2038
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	TSY INFL IX N/B	8,175,229.64	7,917,420	0.66	1.25	7/15/2020
MML INFLATION-PROTECTED & INCOME FUND	EQUITY	FORWARDS MORGAN STANLEY BOC	(413,628.00)	(413,628)	0.03		
MML GROWTH & INCOME FUND	EQUITY	CROWN HOLDINGS INC	2,290,500.00	40,720	1.61		
MML GROWTH & INCOME FUND	EQUITY	BIOGEN INC	1,631,396.97	5,121	1.15		
MML GROWTH & INCOME FUND	EQUITY	FIDELITY NATIONAL INFO SERV	2,806,610.61	29,829	1.97		
MML GROWTH & INCOME FUND	EQUITY	MASTERCARD INC A	3,017,361.60	19,935	2.12		
MML GROWTH & INCOME FUND	EQUITY	DANONE	2,016,796.22	24,056	1.42		

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML GROWTH & INCOME FUND	EQUITY	BLACKSTONE GROUP LP/THE	1,132,643.46	35,373		0.80	
MML GROWTH & INCOME FUND	EQUITY	VISA INC CLASS A SHARES	4,379,622.22	38,411		3.08	
MML GROWTH & INCOME FUND	EQUITY	ACCENTURE PLC CL A	3,171,259.35	20,715		2.23	
MML GROWTH & INCOME FUND	EQUITY	AMERICAN TOWER CORP	3,657,488.12	25,636		2.57	
MML GROWTH & INCOME FUND	EQUITY	FACEBOOK INC A	2,110,638.06	11,961		1.48	
MML GROWTH & INCOME FUND	EQUITY	MONDELEZ INTERNATIONAL INC A	2,259,968.40	52,803		1.59	
MML GROWTH & INCOME FUND	EQUITY	ZOETIS INC	1,658,648.96	23,024		1.16	
MML GROWTH & INCOME FUND	EQUITY	COTY INC CL A	1,115,291.97	56,073		0.78	
MML GROWTH & INCOME FUND	EQUITY	TWENTY FIRST CENTURY FOX A	670,054.65	19,405		0.47	
MML GROWTH & INCOME FUND	EQUITY	ARAMARK	1,117,437.30	26,145		0.78	
MML GROWTH & INCOME FUND	EQUITY	MEDTRONIC PLC	2,816,721.50	34,882		1.98	
MML GROWTH & INCOME FUND	EQUITY	ALPHABET INC CL C	3,421,728.00	3,270		2.40	
MML GROWTH & INCOME FUND	EQUITY	ENTERPRISE PRODUCTS PARTNERS	1,902,649.21	71,771		1.34	
MML GROWTH & INCOME FUND	EQUITY	STRYKER CORP	846,045.76	5,464		0.59	
MML GROWTH & INCOME FUND	EQUITY	ESTEE LAUDER COMPANIES CL A	997,561.60	7,840		0.70	
MML GROWTH & INCOME FUND	EQUITY	CANADIAN NATL RAILWAY CO	2,716,230.00	32,924		1.91	
MML GROWTH & INCOME FUND	EQUITY	MCKESSON CORP	1,526,594.55	9,789		1.07	
MML GROWTH & INCOME FUND	EQUITY	EOG RESOURCES INC	2,589,192.54	23,994		1.82	
MML GROWTH & INCOME FUND	EQUITY	AMERICAN ELECTRIC POWER	777,487.76	10,568		0.55	
MML GROWTH & INCOME FUND	EQUITY	THERMO FISHER SCIENTIFIC INC	3,950,073.64	20,803		2.77	
MML GROWTH & INCOME FUND	EQUITY	TRACTOR SUPPLY COMPANY	1,324,420.50	17,718		0.93	
MML GROWTH & INCOME FUND	EQUITY	AMETEK INC	1,261,992.58	17,414		0.89	
MML GROWTH & INCOME FUND	EQUITY	COGNIZANT TECH SOLUTIONS A	3,369,046.76	47,438		2.37	
MML GROWTH & INCOME FUND	EQUITY	DIAGEO PLC	1,257,738.63	34,366		0.88	
MML GROWTH & INCOME FUND	EQUITY	PERNOD RICARD SA	2,191,534.28	13,845		1.54	
MML GROWTH & INCOME FUND	EQUITY	HONEYWELL INTERNATIONAL INC	2,630,277.36	17,151		1.85	
MML GROWTH & INCOME FUND	EQUITY	APPLE INC	1,656,592.47	9,789		1.16	
MML GROWTH & INCOME FUND	EQUITY	WALT DISNEY CO/THE	902,976.49	8,399		0.63	
MML GROWTH & INCOME FUND	EQUITY	MORGAN STANLEY	1,974,288.69	37,627		1.39	
MML GROWTH & INCOME FUND	EQUITY	KIMBERLY CLARK CORP	673,403.46	5,581		0.47	
MML GROWTH & INCOME FUND	EQUITY	BANK OF AMERICA CORP	4,463,364.96	151,198		3.13	
MML GROWTH & INCOME FUND	EQUITY	ABBOTT LABORATORIES	1,473,204.98	25,814		1.03	
MML GROWTH & INCOME FUND	EQUITY	TEXAS INSTRUMENTS INC	2,037,937.72	19,513		1.43	
MML GROWTH & INCOME FUND	EQUITY	COSTCO WHOLESALE CORP	1,435,543.56	7,713		1.01	
MML GROWTH & INCOME FUND	EQUITY	JOHNSON + JOHNSON	2,690,588.04	19,257		1.89	
MML GROWTH & INCOME FUND	EQUITY	ELI LILLY + CO	2,000,097.26	23,681		1.40	
MML GROWTH & INCOME FUND	EQUITY	UNITED TECHNOLOGIES CORP	1,835,987.44	14,392		1.29	
MML GROWTH & INCOME FUND	EQUITY	NIKE INC CL B	1,458,603.45	23,319		1.02	
MML GROWTH & INCOME FUND	EQUITY	INTERPUBLIC GROUP OF COS INC	387,757.44	19,234		0.27	
MML GROWTH & INCOME FUND	EQUITY	SHERWIN WILLIAMS CO/THE	2,019,036.96	4,924		1.42	
MML GROWTH & INCOME FUND	EQUITY	ALPHABET INC CL A	4,291,551.60	4,074		3.01	
MML GROWTH & INCOME FUND	EQUITY	HEWLETT PACKARD ENTERPRISE	965,595.12	67,242		0.68	
MML GROWTH & INCOME FUND	EQUITY	CHUBB LTD	1,678,887.57	11,489		1.18	
MML GROWTH & INCOME FUND	EQUITY	BROADCOM LTD	3,524,924.90	13,721		2.48	
MML GROWTH & INCOME FUND	EQUITY	DXC TECHNOLOGY CO	1,949,340.90	20,541		1.37	
MML GROWTH & INCOME FUND	EQUITY	MICRO FOCUS INTL SPN ADR	221,022.20	6,580		0.16	
MML GROWTH & INCOME FUND	CASH EQUIVALENT	FIXED INC CLEARING CORP.REPO	1,989,656.05	1,989,656		1.40	0.54
MML GROWTH & INCOME FUND	CASH EQUIVALENT	EURO TIME DEPOSIT (USD)	9,210.09	9,210		0.01	0.000003
MML GROWTH & INCOME FUND	EQUITY	NEWELL BRANDS INC	2,053,644.90	66,461		1.44	1/2/2018
MML GROWTH & INCOME FUND	EQUITY	COLGATE PALMOLIVE CO	1,730,370.30	22,934		1.21	
MML GROWTH & INCOME FUND	EQUITY	GOLDMAN SACHS GROUP INC	3,026,039.28	11,878		2.12	
MML GROWTH & INCOME FUND	EQUITY	ROSS STORES INC	1,553,319.00	19,356		1.09	

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML GROWTH & INCOME FUND	EQUITY	SCHLUMBERGER LTD	2,651,055.21	39,339	1.86		
MML GROWTH & INCOME FUND	EQUITY	AUTOZONE INC	602,530.39	847	0.42		
MML GROWTH & INCOME FUND	EQUITY	PPG INDUSTRIES INC	1,454,409.00	12,450	1.02		
MML GROWTH & INCOME FUND	EQUITY	ADOBE SYSTEMS INC	1,337,256.44	7,631	0.94		
MML GROWTH & INCOME FUND	EQUITY	AMDOCS LTD	880,706.00	13,450	0.62		
MML GROWTH & INCOME FUND	EQUITY	DANAHER CORP	2,886,794.82	31,101	2.03		
MML GROWTH & INCOME FUND	EQUITY	BLACKROCK INC	906,698.15	1,765	0.64		
MML GROWTH & INCOME FUND	EQUITY	STARBUCKS CORP	2,106,991.84	36,688	1.48		
MML GROWTH & INCOME FUND	EQUITY	LVMH MOET HENNESSY LOUIS VUI	2,023,643.05	6,889	1.42		
MML GROWTH & INCOME FUND	EQUITY	NASDAQ INC	1,791,982.92	23,324	1.26		
MML GROWTH & INCOME FUND	EQUITY	FLUOR CORP	802,382.75	15,535	0.56		
MML GROWTH & INCOME FUND	EQUITY	JPMORGAN CHASE + CO	5,512,436.18	51,547	3.87		
MML GROWTH & INCOME FUND	EQUITY	US BANCORP	1,613,454.54	30,113	1.13		
MML GROWTH & INCOME FUND	EQUITY	COMCAST CORP CLASS A	3,230,433.00	80,660	2.27		
MML SMALL COMPANY VALUE FUND	EQUITY	CBOE GLOBAL MARKETS INC	974,418.39	7,821	0.89		
MML SMALL COMPANY VALUE FUND	EQUITY	GREEN DOT CORP CLASS A	1,282,332.80	21,280	1.17		
MML SMALL COMPANY VALUE FUND	EQUITY	AMERICAN ASSETS TRUST INC	260,032.00	6,800	0.24		
MML SMALL COMPANY VALUE FUND	EQUITY	BANKUNITED INC	1,376,336.00	33,800	1.25		
MML SMALL COMPANY VALUE FUND	EQUITY	THERMON GROUP HOLDINGS INC	376,353.00	15,900	0.34		
MML SMALL COMPANY VALUE FUND	EQUITY	AEGION CORP	834,104.00	32,800	0.76		
MML SMALL COMPANY VALUE FUND	EQUITY	WPX ENERGY INC	806,211.00	57,300	0.73		
MML SMALL COMPANY VALUE FUND	EQUITY	POST HOLDINGS INC	530,841.00	6,700	0.48		
MML SMALL COMPANY VALUE FUND	EQUITY	MATADOR RESOURCES CO	1,014,838.00	32,600	0.92		
MML SMALL COMPANY VALUE FUND	EQUITY	PUMA BIOTECHNOLOGY INC	375,630.00	3,800	0.34		
MML SMALL COMPANY VALUE FUND	EQUITY	POPULAR INC	869,505.00	24,500	0.79		
MML SMALL COMPANY VALUE FUND	EQUITY	NATIONAL BANK HOLD CL A	885,339.00	27,300	0.81		
MML SMALL COMPANY VALUE FUND	EQUITY	PINNACLE FOODS INC	499,548.00	8,400	0.45		
MML SMALL COMPANY VALUE FUND	EQUITY	CONSTELLUM NV CLASS A	284,325.00	25,500	0.26		
MML SMALL COMPANY VALUE FUND	EQUITY	FRANK S INTERNATIONAL NV	359,765.00	54,100	0.33		
MML SMALL COMPANY VALUE FUND	EQUITY	GTT COMMUNICATIONS INC	319,260.00	6,800	0.29		
MML SMALL COMPANY VALUE FUND	EQUITY	ONE GAS INC	1,216,116.00	16,600	1.11		
MML SMALL COMPANY VALUE FUND	EQUITY	KNOWLES CORP	672,894.00	45,900	0.61		
MML SMALL COMPANY VALUE FUND	EQUITY	MSA SAFETY INC	434,112.00	5,600	0.40		
MML SMALL COMPANY VALUE FUND	EQUITY	SPORTSMAN S WAREHOUSE HOLDIN	252,720.13	38,233	0.23		
MML SMALL COMPANY VALUE FUND	EQUITY	KINSALE CAPITAL GROUP INC	423,585.00	9,413	0.39		
MML SMALL COMPANY VALUE FUND	EQUITY	HOPE BANCORP INC	660,650.00	36,200	0.60		
MML SMALL COMPANY VALUE FUND	EQUITY	FIRST HAWAIIAN INC	392,237.56	13,442	0.36		
MML SMALL COMPANY VALUE FUND	EQUITY	CENTENNIAL RESOURCE DEVELO A	734,580.00	37,100	0.67		
MML SMALL COMPANY VALUE FUND	EQUITY	ILG INC	598,080.00	21,000	0.54		
MML SMALL COMPANY VALUE FUND	EQUITY	CONDUENT INC	282,800.00	17,500	0.26		
MML SMALL COMPANY VALUE FUND	EQUITY	LCI INDUSTRIES	1,157,000.00	8,900	1.05		
MML SMALL COMPANY VALUE FUND	EQUITY	KEANE GROUP INC	339,898.80	17,880	0.31		
MML SMALL COMPANY VALUE FUND	EQUITY	JAGGED PEAK ENERGY INC	377,142.00	23,900	0.34		
MML SMALL COMPANY VALUE FUND	EQUITY	PCSB FINANCIAL CORP	282,187.65	14,813	0.26		
MML SMALL COMPANY VALUE FUND	EQUITY	JANUS HENDERSON GROUP PLC	547,041.48	14,298	0.50		
MML SMALL COMPANY VALUE FUND	EQUITY	JBG SMITH PROPERTIES	678,172.71	19,527	0.62		
MML SMALL COMPANY VALUE FUND	EQUITY	SIMPLY GOOD FOODS CO/THE	18,880.08	4,866	0.02		
MML SMALL COMPANY VALUE FUND	EQUITY	SIMPLY GOOD FOODS CO/THE	309,442.00	21,700	0.28		
MML SMALL COMPANY VALUE FUND	EQUITY	ANDEAVOR	745,611.14	6,521	0.68		
MML SMALL COMPANY VALUE FUND	EQUITY	PDL COMMUNITY BANCORP	251,517.42	16,569	0.23		
MML SMALL COMPANY VALUE FUND	EQUITY	CARGURUS INC	40,832.76	1,362	0.04		
MML SMALL COMPANY VALUE FUND	EQUITY	STERLING BANCORP INC/MI	113,309.40	8,922	0.10		

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML SMALL COMPANY VALUE FUND	CASH EQUIVALENT	FIXED INC CLEARING CORP.REPO	1,761,372.23	1,761,372	1.60	0.54	1/2/2018
MML SMALL COMPANY VALUE FUND	EQUITY	CARPENTER TECHNOLOGY	871,929.00	17,100	0.79		
MML SMALL COMPANY VALUE FUND	EQUITY	RADIAN GROUP INC	991,341.00	48,100	0.90		
MML SMALL COMPANY VALUE FUND	EQUITY	ANALOGIC CORP	443,875.00	5,300	0.40		
MML SMALL COMPANY VALUE FUND	EQUITY	ATRION CORPORATION	1,292,730.00	2,050	1.18		
MML SMALL COMPANY VALUE FUND	EQUITY	BADGER METER INC	587,940.00	12,300	0.54		
MML SMALL COMPANY VALUE FUND	EQUITY	CSS INDUSTRIES INC	389,620.00	14,000	0.35		
MML SMALL COMPANY VALUE FUND	EQUITY	CHESAPEAKE UTILITIES CORP	1,068,280.00	13,600	0.97		
MML SMALL COMPANY VALUE FUND	EQUITY	CIRCOR INTERNATIONAL INC	501,404.00	10,300	0.46		
MML SMALL COMPANY VALUE FUND	EQUITY	COLUMBIA BANKING SYSTEM INC	1,198,944.00	27,600	1.09		
MML SMALL COMPANY VALUE FUND	EQUITY	CULP INC	509,200.00	15,200	0.46		
MML SMALL COMPANY VALUE FUND	EQUITY	ESCO TECHNOLOGIES INC	1,036,300.00	17,200	0.94		
MML SMALL COMPANY VALUE FUND	EQUITY	CAPELLA EDUCATION CO	793,350.00	10,250	0.72		
MML SMALL COMPANY VALUE FUND	EQUITY	NEW GOLD INC	229,642.00	69,800	0.21		
MML SMALL COMPANY VALUE FUND	EQUITY	TOWNE BANK	1,014,750.00	33,000	0.92		
MML SMALL COMPANY VALUE FUND	EQUITY	EMPLOYERS HOLDINGS INC	612,720.00	13,800	0.56		
MML SMALL COMPANY VALUE FUND	EQUITY	AMERICAN PUBLIC EDUCATION	420,840.00	16,800	0.38		
MML SMALL COMPANY VALUE FUND	EQUITY	ENSIGN GROUP INC/THE	459,540.00	20,700	0.42		
MML SMALL COMPANY VALUE FUND	EQUITY	RED ROBIN GOURMET BURGERS	394,800.00	7,000	0.36		
MML SMALL COMPANY VALUE FUND	EQUITY	MGE ENERGY INC	164,060.00	2,600	0.15		
MML SMALL COMPANY VALUE FUND	EQUITY	SAFETY INSURANCE GROUP INC	434,160.00	5,400	0.40		
MML SMALL COMPANY VALUE FUND	EQUITY	CAVCO INDUSTRIES INC	854,560.00	5,600	0.78		
MML SMALL COMPANY VALUE FUND	EQUITY	MOLINA HEALTHCARE INC	460,080.00	6,000	0.42		
MML SMALL COMPANY VALUE FUND	EQUITY	TEXAS CAPITAL BANCSHARES INC	906,780.00	10,200	0.83		
MML SMALL COMPANY VALUE FUND	EQUITY	CEDAR REALTY TRUST INC	946,656.00	155,700	0.86		
MML SMALL COMPANY VALUE FUND	EQUITY	CALLIDUS SOFTWARE INC	696,195.00	24,300	0.63		
MML SMALL COMPANY VALUE FUND	EQUITY	SYNNEX CORP	924,460.00	6,800	0.84		
MML SMALL COMPANY VALUE FUND	EQUITY	ASSURED GUARANTY LTD	531,149.34	15,682	0.48		
MML SMALL COMPANY VALUE FUND	EQUITY	PINNACLE FINANCIAL PARTNERS	497,250.00	7,500	0.45		
MML SMALL COMPANY VALUE FUND	EQUITY	WELLCARE HEALTH PLANS INC	784,329.00	3,900	0.71		
MML SMALL COMPANY VALUE FUND	EQUITY	BELDEN INC	1,401,407.20	18,160	1.28		
MML SMALL COMPANY VALUE FUND	EQUITY	AMERICAN CAMPUS COMMUNITIES	406,197.00	9,900	0.37		
MML SMALL COMPANY VALUE FUND	EQUITY	BEACON ROOFING SUPPLY INC	1,013,784.00	15,900	0.92		
MML SMALL COMPANY VALUE FUND	EQUITY	SUNSTONE HOTEL INVESTORS INC	433,086.00	26,200	0.39		
MML SMALL COMPANY VALUE FUND	EQUITY	NORTHWESTERN CORP	823,860.00	13,800	0.75		
MML SMALL COMPANY VALUE FUND	EQUITY	UNIVERSAL LOGISTICS HOLDINGS	456,000.00	19,200	0.42		
MML SMALL COMPANY VALUE FUND	EQUITY	SVB FINANCIAL GROUP	1,437,685.50	6,150	1.31		
MML SMALL COMPANY VALUE FUND	EQUITY	UNITED FINANCIAL BANCORP INC	717,948.00	40,700	0.65		
MML SMALL COMPANY VALUE FUND	EQUITY	SYNOVUS FINANCIAL CORP	488,988.00	10,200	0.45		
MML SMALL COMPANY VALUE FUND	EQUITY	PARSLEY ENERGY INC CLASS A	524,032.00	17,800	0.48		
MML SMALL COMPANY VALUE FUND	EQUITY	SPARTANNASH CO	493,580.00	18,500	0.45		
MML SMALL COMPANY VALUE FUND	EQUITY	SOUTH STATE CORP	319,666.20	3,668	0.29		
MML SMALL COMPANY VALUE FUND	EQUITY	MERIDIAN BANCORP INC	498,520.00	24,200	0.45		
MML SMALL COMPANY VALUE FUND	EQUITY	HOWARD BANCORP INC	298,826.00	13,583	0.27		
MML SMALL COMPANY VALUE FUND	EQUITY	HALYARD HEALTH INC	955,926.00	20,700	0.87		
MML SMALL COMPANY VALUE FUND	EQUITY	BENEFICIAL BANCORP INC	704,438.35	42,823	0.64		
MML SMALL COMPANY VALUE FUND	EQUITY	BLUE BIRD CORP	326,360.00	16,400	0.30		
MML SMALL COMPANY VALUE FUND	EQUITY	PARTY CITY HOLDCO INC	422,057.25	30,255	0.38		
MML SMALL COMPANY VALUE FUND	EQUITY	NOMAD FOODS LTD	1,239,503.00	73,300	1.13		
MML SMALL COMPANY VALUE FUND	EQUITY	CABLE ONE INC	689,283.00	980	0.63		
MML SMALL COMPANY VALUE FUND	EQUITY	ENERGIZER HOLDINGS INC	561,366.00	11,700	0.51		
MML SMALL COMPANY VALUE FUND	EQUITY	LIVE OAK BANCSHARES INC	323,620.65	13,569	0.29		

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML SMALL COMPANY VALUE FUND	EQUITY	LUMENTUM HOLDINGS INC	112,470.00	2,300	0.10		
MML SMALL COMPANY VALUE FUND	EQUITY	HOULIHAN LOKEY INC	514,540.18	11,326	0.47		
MML SMALL COMPANY VALUE FUND	EQUITY	ATLANTIC CAPITAL BANCSHARES	310,147.20	17,622	0.28		
MML SMALL COMPANY VALUE FUND	EQUITY	CSRA INC	589,424.00	19,700	0.54		
MML SMALL COMPANY VALUE FUND	EQUITY	HILLENBRAND INC	457,281.00	10,230	0.42		
MML SMALL COMPANY VALUE FUND	EQUITY	COLFAX CORP	455,630.00	11,500	0.41		
MML SMALL COMPANY VALUE FUND	EQUITY	CLEARWATER PAPER CORP	740,020.00	16,300	0.67		
MML SMALL COMPANY VALUE FUND	EQUITY	SAFEGUARD SCIENTIFICS INC	215,040.00	19,200	0.20		
MML SMALL COMPANY VALUE FUND	EQUITY	SELECT MEDICAL HOLDINGS CORP	540,090.00	30,600	0.49		
MML SMALL COMPANY VALUE FUND	EQUITY	RETAIL OPPORTUNITY INVESTMEN	359,100.00	18,000	0.33		
MML SMALL COMPANY VALUE FUND	EQUITY	LUMBER LIQUIDATORS HOLDINGS	789,646.84	25,156	0.72		
MML SMALL COMPANY VALUE FUND	EQUITY	MAXLINEAR INC	293,262.00	11,100	0.27		
MML SMALL COMPANY VALUE FUND	EQUITY	EXPRESS INC	348,145.00	34,300	0.32		
MML SMALL COMPANY VALUE FUND	EQUITY	RBC BEARINGS INC	745,760.00	5,900	0.68		
MML SMALL COMPANY VALUE FUND	EQUITY	INNOSPEC INC	330,619.80	4,683	0.30		
MML SMALL COMPANY VALUE FUND	EQUITY	POTLATCH CORP	798,400.00	16,000	0.73		
MML SMALL COMPANY VALUE FUND	EQUITY	CROCS INC	267,968.00	21,200	0.24		
MML SMALL COMPANY VALUE FUND	EQUITY	PORTLAND GENERAL ELECTRIC CO	578,866.00	12,700	0.53		
MML SMALL COMPANY VALUE FUND	EQUITY	POOL CORP	933,480.00	7,200	0.85		
MML SMALL COMPANY VALUE FUND	EQUITY	DORMAN PRODUCTS INC	696,996.00	11,400	0.63		
MML SMALL COMPANY VALUE FUND	EQUITY	HOME BANCSHARES INC	1,805,362.50	77,650	1.64		
MML SMALL COMPANY VALUE FUND	EQUITY	DOUGLAS EMMETT INC	554,310.00	13,500	0.50		
MML SMALL COMPANY VALUE FUND	EQUITY	QUIDEL CORP	1,062,075.00	24,500	0.97		
MML SMALL COMPANY VALUE FUND	EQUITY	RELIANCE STEEL + ALUMINUM	454,687.00	5,300	0.41		
MML SMALL COMPANY VALUE FUND	EQUITY	STATE AUTO FINANCIAL CORP	492,128.00	16,900	0.45		
MML SMALL COMPANY VALUE FUND	EQUITY	STIFEL FINANCIAL CORP	440,744.00	7,400	0.40		
MML SMALL COMPANY VALUE FUND	EQUITY	TETRA TECHNOLOGIES INC	403,515.00	94,500	0.37		
MML SMALL COMPANY VALUE FUND	EQUITY	TRIUMPH GROUP INC	841,840.00	30,950	0.77		
MML SMALL COMPANY VALUE FUND	EQUITY	UNIVERSAL FOREST PRODUCTS	722,304.00	19,200	0.66		
MML SMALL COMPANY VALUE FUND	EQUITY	WSFS FINANCIAL CORP	650,760.00	13,600	0.59		
MML SMALL COMPANY VALUE FUND	EQUITY	AARON S INC	1,032,115.00	25,900	0.94		
MML SMALL COMPANY VALUE FUND	EQUITY	ATMOS ENERGY CORP	618,408.00	7,200	0.56		
MML SMALL COMPANY VALUE FUND	EQUITY	VECTOR GROUP LTD	323,771.46	14,467	0.29		
MML SMALL COMPANY VALUE FUND	EQUITY	EAST WEST BANCORP INC	1,814,315.58	29,826	1.65		
MML SMALL COMPANY VALUE FUND	EQUITY	HAEMONETICS CORP/MASS	656,304.00	11,300	0.60		
MML SMALL COMPANY VALUE FUND	EQUITY	KIRBY CORP	397,460.00	5,950	0.36		
MML SMALL COMPANY VALUE FUND	EQUITY	LANDSTAR SYSTEM INC	1,655,190.00	15,900	1.51		
MML SMALL COMPANY VALUE FUND	EQUITY	LITTELFUSE INC	1,800,162.00	9,100	1.64		
MML SMALL COMPANY VALUE FUND	EQUITY	STEVEN MADDEN LTD	751,870.00	16,100	0.68		
MML SMALL COMPANY VALUE FUND	EQUITY	MYERS INDUSTRIES INC	808,275.00	41,450	0.74		
MML SMALL COMPANY VALUE FUND	EQUITY	NAVIGANT CONSULTING INC	562,890.00	29,000	0.51		
MML SMALL COMPANY VALUE FUND	EQUITY	SUN HYDRAULICS CORP	743,935.00	11,500	0.68		
MML SMALL COMPANY VALUE FUND	EQUITY	EASTGROUP PROPERTIES INC	1,069,398.00	12,100	0.97		
MML SMALL COMPANY VALUE FUND	EQUITY	HARMONIC INC	522,396.00	124,380	0.48		
MML SMALL COMPANY VALUE FUND	EQUITY	HEALTHCARE REALTY TRUST INC	549,252.00	17,100	0.50		
MML SMALL COMPANY VALUE FUND	EQUITY	KILROY REALTY CORP	619,595.00	8,300	0.56		
MML SMALL COMPANY VALUE FUND	EQUITY	PS BUSINESS PARKS INC/CA	713,013.00	5,700	0.65		
MML SMALL COMPANY VALUE FUND	EQUITY	WASHINGTON REIT	653,520.00	21,000	0.59		
MML SMALL COMPANY VALUE FUND	EQUITY	WEBSTER FINANCIAL CORP	869,076.00	15,475	0.79		
MML SMALL COMPANY VALUE FUND	EQUITY	MINERALS TECHNOLOGIES INC	640,305.00	9,300	0.58		
MML SMALL COMPANY VALUE FUND	EQUITY	PROASSURANCE CORP	1,062,990.00	18,600	0.97		
MML SMALL COMPANY VALUE FUND	EQUITY	PNM RESOURCES INC	1,278,220.00	31,600	1.16		

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML SMALL COMPANY VALUE FUND	EQUITY	KMG CHEMICALS INC	1,043,006.72	15,784	0.95		
MML SMALL COMPANY VALUE FUND	CASH EQUIVALENT	ROWE T PRICE GOV RES FD	1,017.14	1,017	0.00	0.01	9/19/2034
MML SMALL COMPANY VALUE FUND	EQUITY	ACADIA REALTY TRUST	612,864.00	22,400	0.56		
MML SMALL COMPANY VALUE FUND	EQUITY	PROSPERITY BANCSHARES INC	1,198,197.00	17,100	1.09		
MML SMALL COMPANY VALUE FUND	EQUITY	RUDOLPH TECHNOLOGIES INC	305,920.00	12,800	0.28		
MML SMALL COMPANY VALUE FUND	EQUITY	WINTRUST FINANCIAL CORP	955,492.00	11,600	0.87		
MML SMALL COMPANY VALUE FUND	EQUITY	SCHOLASTIC CORP	328,902.00	8,200	0.30		
MML SMALL COMPANY VALUE FUND	EQUITY	CABOT MICROELECTRONICS CORP	592,704.00	6,300	0.54		
MML SMALL COMPANY VALUE FUND	EQUITY	AMERICAN VANGUARD CORP	424,440.00	21,600	0.39		
MML SMALL COMPANY VALUE FUND	EQUITY	CALIFORNIA WATER SERVICE GRP	557,805.00	12,300	0.51		
MML SMALL COMPANY VALUE FUND	EQUITY	HERITAGE FINANCIAL CORP	471,240.00	15,300	0.43		
MML SMALL COMPANY VALUE FUND	EQUITY	MCGRATH RENTCORP	667,069.02	14,199	0.61		
MML SMALL COMPANY VALUE FUND	EQUITY	EL PASO ELECTRIC CO	614,385.00	11,100	0.56		
MML SMALL COMPANY VALUE FUND	EQUITY	FTI CONSULTING INC	541,296.00	12,600	0.49		
MML SMALL COMPANY VALUE FUND	EQUITY	GENESEE + WYOMING INC CL A	791,236.50	10,050	0.72		
MML SMALL COMPANY VALUE FUND	EQUITY	KAMAN CORP	376,576.00	6,400	0.34		
MML SMALL COMPANY VALUE FUND	EQUITY	OCEANEERING INTL INC	346,696.00	16,400	0.32		
MML SMALL COMPANY VALUE FUND	EQUITY	PRICESMART INC	628,530.00	7,300	0.57		
MML SMALL COMPANY VALUE FUND	EQUITY	WEST PHARMACEUTICAL SERVICES	1,105,104.00	11,200	1.01		
MML SMALL COMPANY VALUE FUND	EQUITY	BRADY CORPORATION CL A	451,010.00	11,900	0.41		
MML SMALL COMPANY VALUE FUND	EQUITY	COBIZ FINANCIAL INC	815,592.00	40,800	0.74		
MML SMALL COMPANY VALUE FUND	EQUITY	GLACIER BANCORP INC	1,016,262.00	25,800	0.92		
MML SMALL COMPANY VALUE FUND	EQUITY	MATTHEWS INTL CORP CLASS A	300,960.00	5,700	0.27		
MML SMALL COMPANY VALUE FUND	EQUITY	METHODE ELECTRONICS INC	529,320.00	13,200	0.48		
MML SMALL COMPANY VALUE FUND	EQUITY	SAUL CENTERS INC	660,725.00	10,700	0.60		
MML INTERNATIONAL EQUITY FUND	EQUITY	KONINKLIJKE PHILIPS NV	1,150,642.05	30,415	0.61		
MML INTERNATIONAL EQUITY FUND	EQUITY	GLENCORE PLC	8,994,176.34	1,709,500	4.74		
MML INTERNATIONAL EQUITY FUND	EQUITY	INFOSYS LTD SP ADR	1,860,434.00	114,700	0.98		
MML INTERNATIONAL EQUITY FUND	CASH	NEW TAIWAN DOLLAR	96,295.18	2,865,600	0.05		0
MML INTERNATIONAL EQUITY FUND	CASH	POUND STERLING	5.09	4	0.00		0
MML INTERNATIONAL EQUITY FUND	CASH	AUSTRALIAN DOLLAR	50.22	64	0.00		0
MML INTERNATIONAL EQUITY FUND	CASH	SWISS FRANC	70.03	68	0.00		0
MML INTERNATIONAL EQUITY FUND	EQUITY	DIAGEO PLC	2,587,502.80	70,700	1.36		
MML INTERNATIONAL EQUITY FUND	EQUITY	LLOYDS BANKING GROUP PLC	9,725,873.78	10,621,300	5.12		
MML INTERNATIONAL EQUITY FUND	EQUITY	INTESA SANPAOLO	7,177,646.87	2,164,200	3.78		
MML INTERNATIONAL EQUITY FUND	EQUITY	CONTINENTAL AG	4,647,620.47	17,215	2.45		
MML INTERNATIONAL EQUITY FUND	EQUITY	PERNOD RICARD SA	2,040,366.70	12,890	1.07		
MML INTERNATIONAL EQUITY FUND	EQUITY	ALLIANZ SE REG	6,436,426.80	28,105	3.39		
MML INTERNATIONAL EQUITY FUND	EQUITY	AKZO NOBEL	661,356.78	7,561	0.35		
MML INTERNATIONAL EQUITY FUND	EQUITY	KERING	190,927.04	405	0.10		
MML INTERNATIONAL EQUITY FUND	EQUITY	DAIMLER AG REGISTERED SHARES	9,399,818.91	110,700	4.95		
MML INTERNATIONAL EQUITY FUND	EQUITY	SANOFI	344,414.26	4,000	0.18		
MML INTERNATIONAL EQUITY FUND	EQUITY	HENNES + MAURITZ AB B SHS	7,216,066.63	350,200	3.80		
MML INTERNATIONAL EQUITY FUND	EQUITY	ORICA LTD	2,273,540.64	161,111	1.20		
MML INTERNATIONAL EQUITY FUND	EQUITY	KOMATSU LTD	202,851.18	5,600	0.11		
MML INTERNATIONAL EQUITY FUND	EQUITY	OLYMPUS CORP	2,056,068.99	53,700	1.08		
MML INTERNATIONAL EQUITY FUND	EQUITY	TOYOTA MOTOR CORP	6,871,036.63	107,300	3.62		
MML INTERNATIONAL EQUITY FUND	EQUITY	INFOSYS LTD	99,434.16	6,103	0.05		
MML INTERNATIONAL EQUITY FUND	EQUITY	SAMSUNG ELECTRONICS CO LTD	261,340.71	110	0.14		
MML INTERNATIONAL EQUITY FUND	EQUITY	TAIWAN SEMICONDUCTOR MANUFAC	345,782.89	45,000	0.18		
MML INTERNATIONAL EQUITY FUND	EQUITY	MEGGITT PLC	1,218,845.23	188,238	0.64		
MML INTERNATIONAL EQUITY FUND	CASH	EURO CURRENCY	165.68	138	0.00		0

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML INTERNATIONAL EQUITY FUND	EQUITY	GRUPO TELEVISA SA SPON ADR	2,634,337.00	141,100	1.39		
MML INTERNATIONAL EQUITY FUND	EQUITY	SCHRODERS PLC	3,779,408.58	79,900	1.99		
MML INTERNATIONAL EQUITY FUND	EQUITY	BAYERISCHE MOTOREN WERKE AG	8,075,052.29	77,740	4.25		
MML INTERNATIONAL EQUITY FUND	EQUITY	PUBLICIS GROUPE	4,265,806.60	62,791	2.25		
MML INTERNATIONAL EQUITY FUND	EQUITY	LAFARGEHOLCIM LTD REG	4,996,399.11	88,680	2.63		
MML INTERNATIONAL EQUITY FUND	EQUITY	NESTLE SA REG	470,048.75	5,470	0.25		
MML INTERNATIONAL EQUITY FUND	EQUITY	ROYAL BANK OF SCOTLAND GROUP	3,860,760.40	1,035,100	2.03		
MML INTERNATIONAL EQUITY FUND	EQUITY	ASML HOLDING NV	1,687,170.46	9,725	0.89		
MML INTERNATIONAL EQUITY FUND	EQUITY	WPP PLC	4,309,553.10	237,800	2.27		
MML INTERNATIONAL EQUITY FUND	EQUITY	CIE FINANCIERE RICHEMONT REG	2,992,443.08	33,050	1.58		
MML INTERNATIONAL EQUITY FUND	EQUITY	CNH INDUSTRIAL NV	6,538,737.63	489,100	3.44		
MML INTERNATIONAL EQUITY FUND	EQUITY	FERGUSON PLC	443,626.76	6,200	0.23		
MML INTERNATIONAL EQUITY FUND	EQUITY	AXIS BANK LTD FOREIGN	2,953,754.86	335,100	1.56		
MML INTERNATIONAL EQUITY FUND	EQUITY	WILLIS TOWERS WATSON PLC	3,709,837.11	24,619	1.95		
MML INTERNATIONAL EQUITY FUND	EQUITY	VALEO SA	3,890,789.76	52,210	2.05		
MML INTERNATIONAL EQUITY FUND	EQUITY	EXOR NV	3,763,426.94	61,400	1.98		
MML INTERNATIONAL EQUITY FUND	CASH EQUIVALENT	FIXED INC CLEARING CORP.REPO	3,874,879.82	3,874,880	2.04	0.54	1/2/2018
MML INTERNATIONAL EQUITY FUND	EQUITY	LIBERTY GLOBAL PLC C	3,597,192.00	106,300	1.89		
MML INTERNATIONAL EQUITY FUND	EQUITY	LIBERTY GLOBAL PLC A	1,530,368.00	42,700	0.81		
MML INTERNATIONAL EQUITY FUND	EQUITY	SWATCH GROUP AG/THE BR	1,703,979.30	4,180	0.90		
MML INTERNATIONAL EQUITY FUND	EQUITY	CREDIT SUISSE GROUP AG REG	7,537,056.72	423,423	3.97		
MML INTERNATIONAL EQUITY FUND	EQUITY	BNP PARIBAS	8,771,379.43	117,620	4.62		
MML INTERNATIONAL EQUITY FUND	EQUITY	BANK MANDIRI PERSERO TBK PT	3,427,860.36	5,820,200	1.81		
MML INTERNATIONAL EQUITY FUND	EQUITY	AMP LTD	3,518,833.11	870,900	1.85		
MML INTERNATIONAL EQUITY FUND	EQUITY	G4S PLC	1,591,451.80	442,700	0.84		
MML INTERNATIONAL EQUITY FUND	EQUITY	SAFRAN SA	2,804,157.59	27,270	1.48		
MML INTERNATIONAL EQUITY FUND	EQUITY	BAIDU INC SPON ADR	1,989,613.95	8,495	1.05		
MML INTERNATIONAL EQUITY FUND	EQUITY	KUEHNE NAGEL INTL AG REG	1,596,699.24	9,035	0.84		
MML INTERNATIONAL EQUITY FUND	EQUITY	EXPERIAN PLC	2,577,929.04	117,300	1.36		
MML INTERNATIONAL EQUITY FUND	EQUITY	VOLVO AB B SHS	790,215.68	42,470	0.42		
MML INTERNATIONAL EQUITY FUND	EQUITY	SKF AB B SHARES	2,900,437.71	130,800	1.53		
MML INTERNATIONAL EQUITY FUND	EQUITY	DANONE	2,103,819.60	25,094	1.11		
MML INTERNATIONAL EQUITY FUND	EQUITY	SMITHS GROUP PLC	980,252.52	49,000	0.52		
MML INTERNATIONAL EQUITY FUND	EQUITY	BUREAU VERITAS SA	2,509,849.45	91,800	1.32		
MML INTERNATIONAL EQUITY FUND	EQUITY	ASHTREAD GROUP PLC	1,812,109.27	67,900	0.95		
MML ASSET MOMENTUM FUND	EQUITY	SCHINDLER HOLDING PART CERT	161,094.40	700	0.54		
MML ASSET MOMENTUM FUND	EQUITY	ADVANCED MEDICAL SOLUTIONS	233,854.41	54,300	0.79		
MML ASSET MOMENTUM FUND	EQUITY	MASTERCARD INC A	575,168.00	3,800	1.94		
MML ASSET MOMENTUM FUND	EQUITY	NEXUS AG	106,151.90	3,400	0.36		
MML ASSET MOMENTUM FUND	EQUITY	ONEX CORPORATION	124,680.19	1,700	0.42		
MML ASSET MOMENTUM FUND	EQUITY	SAPUTO INC	161,742.24	4,500	0.54		
MML ASSET MOMENTUM FUND	EQUITY	EMIS GROUP PLC	161,122.15	11,800	0.54		
MML ASSET MOMENTUM FUND	EQUITY	ISHARES MSCI INDIA ETF	238,062.00	6,600	0.80		
MML ASSET MOMENTUM FUND	FIXED INCOME	US TREASURY N/B	997,832.00	1,000,000	3.36	0.75	4/30/2018
MML ASSET MOMENTUM FUND	FUTURE	S+P500 EMINI FUT MAR18	-	7,700	0.25	0	3/16/2018
MML ASSET MOMENTUM FUND	FIXED INCOME	US TREASURY N/B	2,992,500.00	3,000,000	10.07	1.75	11/30/2019
MML ASSET MOMENTUM FUND	CASH EQUIVALENT	FIXED INC CLEARING CORP.REPO	3,747,691.33	3,747,691	12.62	0.54	1/2/2018
MML ASSET MOMENTUM FUND	EQUITY	BREEDON GROUP PLC	102,566.37	88,100	0.35		
MML ASSET MOMENTUM FUND	EQUITY	ISHARES MSCI BRAZIL ETF	1,456,200.00	36,000	4.90		
MML ASSET MOMENTUM FUND	EQUITY	VANGUARD TOTAL STOCK MARKET ET	9,401,625.00	68,500	31.65		
MML ASSET MOMENTUM FUND	EQUITY	DRILLISCH AG	313,666.58	3,800	1.06		
MML ASSET MOMENTUM FUND	EQUITY	PORTMEIRION GROUP PLC	69,937.95	5,600	0.24		

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML ASSET MOMENTUM FUND	EQUITY	EQUIFAX INC	271,216.00	2,300	0.91		
MML ASSET MOMENTUM FUND	EQUITY	AMDOCS LTD	340,496.00	5,200	1.15		
MML ASSET MOMENTUM FUND	EQUITY	BRITISH AMERICAN TOB SP ADR	105,710.22	1,578	0.36		
MML ASSET MOMENTUM FUND	EQUITY	HALMA PLC	298,684.25	17,600	1.01		
MML ASSET MOMENTUM FUND	EQUITY	FIELMANN AG	123,211.82	1,400	0.41		
MML ASSET MOMENTUM FUND	EQUITY	RAYTHEON COMPANY	262,990.00	1,400	0.89		
MML ASSET MOMENTUM FUND	EQUITY	NESTLE SA REG	111,711.77	1,300	0.38		
MML ASSET MOMENTUM FUND	EQUITY	FRESENIUS SE + CO KGAA	459,375.13	5,900	1.55		
MML ASSET MOMENTUM FUND	EQUITY	OPEN TEXT CORP	149,389.02	4,200	0.50		
MML ASSET MOMENTUM FUND	EQUITY	RAMSAY HEALTH CARE LTD	163,864.60	3,000	0.55		
MML ASSET MOMENTUM FUND	EQUITY	HENKEL AG + CO KGAA	240,100.16	2,000	0.81		
MML ASSET MOMENTUM FUND	EQUITY	MOHAWK INDUSTRIES INC	496,620.00	1,800	1.67		
MML ASSET MOMENTUM FUND	EQUITY	SMITH (A.O.) CORP	257,376.00	4,200	0.87		
MML ASSET MOMENTUM FUND	EQUITY	ROPER TECHNOLOGIES INC	284,900.00	1,100	0.96		
MML ASSET MOMENTUM FUND	EQUITY	CUMMINS INC	264,960.00	1,500	0.89		
MML ASSET MOMENTUM FUND	EQUITY	LOCKHEED MARTIN CORP	256,840.00	800	0.86		
MML ASSET MOMENTUM FUND	EQUITY	NORTHROP GRUMMAN CORP	276,219.00	900	0.93		
MML ASSET MOMENTUM FUND	EQUITY	NVR INC	2,104,932.00	600	7.09		
MML ASSET MOMENTUM FUND	EQUITY	CSL LTD	308,172.21	2,800	1.04		
MML ASSET MOMENTUM FUND	EQUITY	NTT DOCOMO INC	132,282.04	5,600	0.45		
MML ASSET MOMENTUM FUND	EQUITY	GENERAL DYNAMICS CORP	244,140.00	1,200	0.82		
MML ASSET MOMENTUM FUND	EQUITY	GENERAL ELECTRIC CO	279,200.00	16,000	0.94		
MML ASSET MOMENTUM FUND	CASH	US DOLLAR	(411,943.31)	(411,943)	1.39	0	
MML ASSET MOMENTUM FUND	EQUITY	ILLINOIS TOOL WORKS	283,645.00	1,700	0.95		
MML ASSET MOMENTUM FUND	EQUITY	POOL CORP	661,215.00	5,100	2.23		
MML DYNAMIC BOND FUND	FIXED INCOME	MERRILL LYNCH MORTGAGE INVESTO	2,754,350.98	2,905,873	0.61	1.70213	8/25/2037
MML DYNAMIC BOND FUND	FIXED INCOME	BANCOLOMBIA SA	106,750.00	100,000	0.02	6.125	7/26/2020
MML DYNAMIC BOND FUND	FIXED INCOME	NOMURA ASSET ACCEPTANCE CORPOR	2,998,085.97	3,550,015	0.66	3.64086	2/25/2036
MML DYNAMIC BOND FUND	FIXED INCOME	FRONTIER COMMUNICATIONS	182,600.00	220,000	0.04	8.5	4/15/2020
MML DYNAMIC BOND FUND	FIXED INCOME	AMERICA MOVIL SAB DE CV	105,394.00	100,000	0.02	5	3/30/2020
MML DYNAMIC BOND FUND	FIXED INCOME	BANCO DE CREDITO DEL PER	213,000.00	200,000	0.05	5.375	9/16/2020
MML DYNAMIC BOND FUND	FIXED INCOME	BANCO DEL ESTADO CHILE	208,557.02	200,000	0.05	4.125	10/7/2020
MML DYNAMIC BOND FUND	FIXED INCOME	BOSTON PROPERTIES LP	543,480.50	520,000	0.12	4.125	5/15/2021
MML DYNAMIC BOND FUND	FIXED INCOME	CNOOC FINANCE 2011 LTD	207,871.40	200,000	0.05	4.25	1/26/2021
MML DYNAMIC BOND FUND	FIXED INCOME	REPUBLIC OF INDONESIA	746,552.80	700,000	0.17	4.875	5/5/2021
MML DYNAMIC BOND FUND	FIXED INCOME	JBS USA LUX/JBS USA FIN	259,143.75	255,000	0.06	7.25	6/1/2021
MML DYNAMIC BOND FUND	FIXED INCOME	INTELSAT JACKSON HLDG	216,200.00	230,000	0.05	7.25	10/15/2020
MML DYNAMIC BOND FUND	FIXED INCOME	STATE OF ISRAEL	423,722.40	400,000	0.09	4	6/30/2022
MML DYNAMIC BOND FUND	FIXED INCOME	RELIANCE HOLDINGS USA	651,670.90	600,000	0.14	5.4	2/14/2022
MML DYNAMIC BOND FUND	FIXED INCOME	KROGER CO	685,814.39	670,000	0.15	3.4	4/15/2022
MML DYNAMIC BOND FUND	FIXED INCOME	INVERSIONES CMPC CI	209,366.51	200,000	0.05	4.5	4/25/2022
MML DYNAMIC BOND FUND	FIXED INCOME	LIBERTY MUTUAL GROUP INC	974,103.77	730,000	0.22	6.5	5/1/2042
MML DYNAMIC BOND FUND	FIXED INCOME	CELULOSA ARAUCO CONSTITU	211,598.54	200,000	0.05	4.75	1/11/2022
MML DYNAMIC BOND FUND	FIXED INCOME	QEP RESOURCES INC	161,897.60	160,000	0.04	5.25	5/1/2023
MML DYNAMIC BOND FUND	FIXED INCOME	BANCO SANTANDER CHILE	155,894.02	150,000	0.03	3.875	9/20/2022
MML DYNAMIC BOND FUND	FIXED INCOME	BHARAT PETROLEUM CORP LT	211,080.00	200,000	0.05	4.625	10/25/2022
MML DYNAMIC BOND FUND	FIXED INCOME	US TREASURY N/B	5,912,177.59	5,875,000	1.31	2.75	11/15/2042
MML DYNAMIC BOND FUND	FIXED INCOME	AMERICAN ELECTRIC POWER	317,454.69	313,000	0.07	2.95	12/15/2022
MML DYNAMIC BOND FUND	FIXED INCOME	PHILLIPS 66	299,085.32	235,000	0.07	5.875	5/1/2042
MML DYNAMIC BOND FUND	FIXED INCOME	EXPORT IMPORT BK INDIA	207,104.00	200,000	0.05	4	1/14/2023
MML DYNAMIC BOND FUND	FIXED INCOME	UNIVERSAL HOSPITAL SERVI	310,000.00	310,000	0.07	7.625	8/15/2020
MML DYNAMIC BOND FUND	FIXED INCOME	GS MORTGAGE SECURITIES TRUST	327,602.71	5,353,195	0.07	1.55729	2/10/2046

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML DYNAMIC BOND FUND	FIXED INCOME	FONDO MIVIVIENDA SA	200,780.00	200,000	0.04	3.5	1/31/2023
MML DYNAMIC BOND FUND	FIXED INCOME	BANCO DE CRED E INVER	208,277.11	200,000	0.05	4	2/11/2023
MML DYNAMIC BOND FUND	FIXED INCOME	PETRONAS CAPITAL LTD	820,413.60	800,000	0.18	3.5	3/18/2025
MML DYNAMIC BOND FUND	FIXED INCOME	COMM MORTGAGE TRUST	550,587.83	650,000	0.12	4.12255	3/10/2048
MML DYNAMIC BOND FUND	FIXED INCOME	US TREASURY N/B	6,708,109.72	6,820,000	1.49	1.75	3/31/2022
MML DYNAMIC BOND FUND	FIXED INCOME	BHARTI AIRTEL INTERNATIO	423,915.60	400,000	0.09	5.125	3/11/2023
MML DYNAMIC BOND FUND	FIXED INCOME	TRANSPORT DE GAS PERU	620,400.00	600,000	0.14	4.25	4/30/2028
MML DYNAMIC BOND FUND	FIXED INCOME	FOMENTO ECONOMICO MEX	197,892.52	200,000	0.04	2.875	5/10/2023
MML DYNAMIC BOND FUND	FIXED INCOME	INDIAN OIL CORP LTD	668,365.20	600,000	0.15	5.75	8/1/2023
MML DYNAMIC BOND FUND	FIXED INCOME	ANTHEM INC	425,927.58	425,000	0.09	2.3	7/15/2018
MML DYNAMIC BOND FUND	FIXED INCOME	US TREASURY N/B	4,551,726.66	3,900,000	1.01	3.625	8/15/2043
MML DYNAMIC BOND FUND	FIXED INCOME	ASHLAND LLC	312,000.00	300,000	0.07	4.75	8/15/2022
MML DYNAMIC BOND FUND	FIXED INCOME	UNITED MEXICAN STATES	104,650.00	100,000	0.02	4	10/2/2023
MML DYNAMIC BOND FUND	FIXED INCOME	MEG ENERGY CORP	113,906.25	135,000	0.03	7	3/31/2024
MML DYNAMIC BOND FUND	FIXED INCOME	EMBOTELLADORA ANDINA SA	660,234.64	600,000	0.15	5	10/1/2023
MML DYNAMIC BOND FUND	FIXED INCOME	TENET HEALTHCARE CORP	213,675.00	210,000	0.05	8.125	4/1/2022
MML DYNAMIC BOND FUND	FIXED INCOME	US TREASURY N/B	6,736,546.72	6,770,000	1.49	1.25	11/30/2018
MML DYNAMIC BOND FUND	FIXED INCOME	GRUPO IDESA SA DE CV	376,000.00	400,000	0.08	7.875	12/18/2020
MML DYNAMIC BOND FUND	FIXED INCOME	BANCO SANTANDER MEXICO	416,000.00	400,000	0.09	5.95	1/30/2024
MML DYNAMIC BOND FUND	FIXED INCOME	REPUBLIC OF PHILIPPINES	977,502.60	900,000	0.22	4.2	1/21/2024
MML DYNAMIC BOND FUND	FIXED INCOME	ORANGE SA	567,117.41	564,000	0.13	2.75	2/6/2019
MML DYNAMIC BOND FUND	FIXED INCOME	TAL ADVANTAGE LLC	422,117.72	424,267	0.09	3.51	2/22/2039
MML DYNAMIC BOND FUND	FIXED INCOME	PETROBRAS GLOBAL FINANCE	104,000.00	100,000	0.02	7.25	3/17/2044
MML DYNAMIC BOND FUND	FIXED INCOME	DIGICEL GROUP LTD	463,005.00	500,000	0.10	7.125	4/1/2022
MML DYNAMIC BOND FUND	FIXED INCOME	GS MORTGAGE SECURITIES TRUST	334,726.45	6,841,065	0.07	1.00481	4/10/2047
MML DYNAMIC BOND FUND	FIXED INCOME	OVERSEA CHINESE BANKING	610,495.52	600,000	0.14	4	10/15/2024
MML DYNAMIC BOND FUND	FIXED INCOME	AEROPUERTO INTL TOCUMEN	832,920.00	776,615	0.18	5.75	10/9/2023
MML DYNAMIC BOND FUND	FIXED INCOME	WF RBS COMMERCIAL MORTGAGE TRU	647,424.17	12,615,510	0.14	1.12827	8/15/2047
MML DYNAMIC BOND FUND	FIXED INCOME	GLOBAL SC FINANCE SRL	464,023.41	467,417	0.10	3.19	7/17/2029
MML DYNAMIC BOND FUND	FIXED INCOME	SYNCHRONY FINANCIAL	558,859.54	555,000	0.12	3	8/15/2019
MML DYNAMIC BOND FUND	FIXED INCOME	BURLINGTN NORTH SANTA FE	578,198.74	505,000	0.13	4.55	9/1/2044
MML DYNAMIC BOND FUND	FIXED INCOME	AMERICAN WATER CAPITAL C	515,251.02	500,000	0.11	3.4	3/1/2025
MML DYNAMIC BOND FUND	FIXED INCOME	REPUBLIC OF PANAMA	212,700.00	200,000	0.05	4	9/22/2024
MML DYNAMIC BOND FUND	FIXED INCOME	ITAU CORPBANCA	611,765.59	600,000	0.14	3.875	9/22/2019
MML DYNAMIC BOND FUND	FIXED INCOME	FNMA POOL AX2501	2,585,992.63	2,472,139	0.57	4	10/1/2044
MML DYNAMIC BOND FUND	FIXED INCOME	VERIZON COMMUNICATIONS	575,757.15	565,000	0.13	4.4	11/1/2034
MML DYNAMIC BOND FUND	FIXED INCOME	NUVEEN FINANCE LLC	545,162.70	540,000	0.12	2.95	11/1/2019
MML DYNAMIC BOND FUND	FIXED INCOME	GEORGIA PACIFIC LLC	1,156,188.65	1,125,000	0.26	3.6	3/1/2025
MML DYNAMIC BOND FUND	FIXED INCOME	DUKE ENERGY PROGRESS INC	512,650.15	470,000	0.11	4.15	12/1/2044
MML DYNAMIC BOND FUND	FIXED INCOME	REPUBLIC OF CHILE	610,200.00	600,000	0.14	3.125	3/27/2025
MML DYNAMIC BOND FUND	FIXED INCOME	AIR LEASE CORP	604,439.74	585,000	0.13	3.75	2/1/2022
MML DYNAMIC BOND FUND	FIXED INCOME	NATIONAL RURAL UTIL COOP	358,776.51	360,000	0.08	2	1/27/2020
MML DYNAMIC BOND FUND	FIXED INCOME	MORGAN STANLEY BAML TRUST	177,383.52	175,000	0.04	3.249	2/15/2048
MML DYNAMIC BOND FUND	FIXED INCOME	CITIGROUP COMMERCIAL MORTGAGE	277,963.66	276,000	0.06	3.137	2/10/2048
MML DYNAMIC BOND FUND	FIXED INCOME	ONEMAIN FINANCIAL ISSUANCE TRU	3,015,239.70	3,000,000	0.67	3.19	3/18/2026
MML DYNAMIC BOND FUND	FIXED INCOME	MUFG AMERICAS HLDGS CORP	284,943.45	285,000	0.06	1.625	2/9/2018
MML DYNAMIC BOND FUND	FIXED INCOME	PETSMART INC	118,500.00	200,000	0.03	7.125	3/15/2023
MML DYNAMIC BOND FUND	FIXED INCOME	SPRINGLEAF FUNDING TRUST	3,012,214.80	3,000,000	0.67	3.16	11/15/2024
MML DYNAMIC BOND FUND	FIXED INCOME	FORD MOTOR COMPANY	575,173.68	440,000	0.13	7.45	7/16/2031
MML DYNAMIC BOND FUND	FIXED INCOME	MORGAN STANLEY MORTGAGE LOAN T	733,375.61	809,213	0.16	3.22315	7/25/2035
MML DYNAMIC BOND FUND	FIXED INCOME	COUNTRYWIDE ALTERNATIVE LOAN T	2,374,713.08	2,671,960	0.53	6	8/25/2036
MML DYNAMIC BOND FUND	FIXED INCOME	HARBORVIEW MORTGAGE LOAN TRUST	1,519,092.86	1,761,021	0.34	1.665	12/19/2036

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML DYNAMIC BOND FUND	FIXED INCOME	CITIMORTGAGE ALTERNATIVE LOAN	3,414,107.89	3,519,788	0.76	5.5	4/25/2036
MML DYNAMIC BOND FUND	FIXED INCOME	JP MORGAN CHASE COMMERCIAL MOR	337,919.19	337,087	0.07	5.464	1/15/2049
MML DYNAMIC BOND FUND	FIXED INCOME	COUNTRYWIDE HOME LOANS	1,923,474.34	2,130,452	0.43	3.3909	2/25/2047
MML DYNAMIC BOND FUND	FIXED INCOME	WACHOVIA BANK COMMERCIAL MORTG	300,244.01	295,068	0.07	5.413	12/15/2043
MML DYNAMIC BOND FUND	FIXED INCOME	MORGAN STANLEY CAPITAL I TRUST	173,312.93	173,380	0.04	5.508	2/12/2044
MML DYNAMIC BOND FUND	FIXED INCOME	VALERO ENERGY CORP	309,709.77	235,000	0.07	6.625	6/15/2037
MML DYNAMIC BOND FUND	FIXED INCOME	KINDER MORGAN ENER PART	584,372.68	470,000	0.13	6.95	1/15/2038
MML DYNAMIC BOND FUND	FIXED INCOME	CITIGROUP MORTGAGE LOAN TRUST	2,904,588.47	3,025,576	0.64	3.49541	4/25/2037
MML DYNAMIC BOND FUND	FIXED INCOME	COUNTRYWIDE HOME LOANS	1,970,016.70	2,201,817	0.44	6	9/25/2037
MML DYNAMIC BOND FUND	FIXED INCOME	BRITISH TELECOM PLC	1,026,371.37	1,025,000	0.23	5.95	1/15/2018
MML DYNAMIC BOND FUND	FIXED INCOME	RESIDENTIAL FUNDING MTG SEC I	599,390.86	638,643	0.13	6	4/25/2037
MML DYNAMIC BOND FUND	FIXED INCOME	LEHMAN XS TRUST	3,154,770.02	4,255,854	0.70	1.5275	7/25/2047
MML DYNAMIC BOND FUND	FIXED INCOME	BOEING CO	595,617.78	405,000	0.13	6.875	3/15/2039
MML DYNAMIC BOND FUND	FIXED INCOME	COUNTRYWIDE ALTERNATIVE LOAN T	2,260,172.05	2,767,809	0.50	6	5/25/2036
MML DYNAMIC BOND FUND	FIXED INCOME	SANCHEZ ENERGY CORP	325,325.00	385,000	0.07	6.125	1/15/2023
MML DYNAMIC BOND FUND	FIXED INCOME	RIVERBED TECHNOLOGY INC	155,718.75	165,000	0.03	8.875	3/1/2023
MML DYNAMIC BOND FUND	FIXED INCOME	FED HM LN PC POOL G08632	3,278,764.92	3,184,233	0.73	3.5	3/1/2045
MML DYNAMIC BOND FUND	FIXED INCOME	ALLERGAN FUNDING SCS	551,436.45	551,000	0.12	2.35	3/12/2018
MML DYNAMIC BOND FUND	FIXED INCOME	PILGRIM S PRIDE CORP	310,125.00	300,000	0.07	5.75	3/15/2025
MML DYNAMIC BOND FUND	FIXED INCOME	FNMA POOL MA2248	2,756,608.23	2,773,727	0.61	3	4/1/2045
MML DYNAMIC BOND FUND	FIXED INCOME	ZIMMER BIOMET HOLDINGS	570,277.05	570,000	0.13	2.7	4/1/2020
MML DYNAMIC BOND FUND	FIXED INCOME	SOLERA LLC / SOLERA FINA	151,872.30	135,000	0.03	10.5	3/1/2024
MML DYNAMIC BOND FUND	FIXED INCOME	SUMITOMO MITSUI FINL GRP	449,213.46	445,000	0.10	2.934	3/9/2021
MML DYNAMIC BOND FUND	FIXED INCOME	STATE OF ISRAEL	598,447.20	600,000	0.13	2.875	3/16/2026
MML DYNAMIC BOND FUND	FIXED INCOME	REPUBLIC OF PANAMA	522,500.00	500,000	0.12	3.875	3/17/2028
MML DYNAMIC BOND FUND	FIXED INCOME	FHLMC MULTIFAMILY STRUCTURED P	469,401.76	463,000	0.10	2.995	12/25/2025
MML DYNAMIC BOND FUND	FIXED INCOME	OMNICOM GROUP INC	576,656.65	570,000	0.13	3.6	4/15/2026
MML DYNAMIC BOND FUND	FIXED INCOME	EXELON CORP	750,249.26	750,000	0.17	3.4	4/15/2026
MML DYNAMIC BOND FUND	FIXED INCOME	ALLY FINANCIAL INC	30,750.00	30,000	0.01	4.25	4/15/2021
MML DYNAMIC BOND FUND	FIXED INCOME	GLP CAPITAL LP / FIN II	305,662.50	285,000	0.07	5.375	4/15/2026
MML DYNAMIC BOND FUND	FIXED INCOME	PRIME SECSRV BRW/FINANC	305,250.00	275,000	0.07	9.25	5/15/2023
MML DYNAMIC BOND FUND	FIXED INCOME	SYDNEY AIRPORT FINANCE	303,008.45	300,000	0.07	3.625	4/28/2026
MML DYNAMIC BOND FUND	FIXED INCOME	CROWN CASTLE INTL CORP	699,523.04	700,000	0.16	3.7	6/15/2026
MML DYNAMIC BOND FUND	FIXED INCOME	CARLYLE GLOBAL MARKET STRATEGI	509,896.50	500,000	0.11	7.80917	7/15/2027
MML DYNAMIC BOND FUND	FIXED INCOME	LEVEL 3 FINANCING INC	309,612.50	310,000	0.07	5.375	1/15/2024
MML DYNAMIC BOND FUND	FIXED INCOME	S+P GLOBAL INC	308,799.48	285,000	0.07	4.4	2/15/2026
MML DYNAMIC BOND FUND	FIXED INCOME	WIND RIVER CLO LTD	504,496.00	500,000	0.11	4.55917	7/15/2028
MML DYNAMIC BOND FUND	FIXED INCOME	SOUTHERN CO	14,909.25	15,000	0.00	1.85	7/1/2019
MML DYNAMIC BOND FUND	FIXED INCOME	MARFRIG HOLDING EUROPE B	208,500.00	200,000	0.05	8	6/8/2023
MML DYNAMIC BOND FUND	FIXED INCOME	CENGAGE LEARNING INC	239,825.00	265,000	0.05	9.5	6/15/2024
MML DYNAMIC BOND FUND	FIXED INCOME	VALE OVERSEAS LIMITED	413,820.00	380,000	0.09	5.875	6/10/2021
MML DYNAMIC BOND FUND	FIXED INCOME	SIX FLAGS ENTERTAINMENT	314,650.00	310,000	0.07	4.875	7/31/2024
MML DYNAMIC BOND FUND	FIXED INCOME	ENERGY TRANSFER LP	487,616.76	470,000	0.11	4.75	1/15/2026
MML DYNAMIC BOND FUND	FIXED INCOME	LCM LTD PARTNERSHIP	1,007,942.00	1,000,000	0.22	4.80917	7/15/2027
MML DYNAMIC BOND FUND	FIXED INCOME	ALLIANT HOLD / CO ISSUER	309,750.00	295,000	0.07	8.25	8/1/2023
MML DYNAMIC BOND FUND	FIXED INCOME	FED HM LN PC POOL G08658	4,032,955.03	4,023,682	0.89	3	8/1/2045
MML DYNAMIC BOND FUND	FIXED INCOME	US TREASURY N/B	10,267,288.03	10,010,000	2.28	2.875	8/15/2045
MML DYNAMIC BOND FUND	FIXED INCOME	KRONOS ACQUISITION HOLDI	299,200.00	320,000	0.07	9	8/15/2023
MML DYNAMIC BOND FUND	FIXED INCOME	SOPHIA LP/FIN INC	222,075.00	210,000	0.05	9	9/30/2023
MML DYNAMIC BOND FUND	FIXED INCOME	FIDELITY NATIONAL INFORM	426,401.39	415,000	0.09	3.625	10/15/2020
MML DYNAMIC BOND FUND	FIXED INCOME	FEDEX CORP	587,884.34	525,000	0.13	4.75	11/15/2045
MML DYNAMIC BOND FUND	FIXED INCOME	WELLS FARGO COMMERCIAL MORTGAG	487,367.57	468,000	0.11	4.61052	11/15/2048

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML DYNAMIC BOND FUND	FIXED INCOME	MICROSOFT CORP	609,490.21	520,000	0.14	4.45	11/3/2045
MML DYNAMIC BOND FUND	FIXED INCOME	ASTRAZENECA PLC	274,583.47	275,000	0.06	2.375	11/16/2020
MML DYNAMIC BOND FUND	FIXED INCOME	FHLMC MULTIFAMILY STRUCTURED P	363,288.70	350,000	0.08	3.334	8/25/2025
MML DYNAMIC BOND FUND	FIXED INCOME	AXIATA SPV2 BHD	911,098.80	900,000	0.20	3.466	11/19/2020
MML DYNAMIC BOND FUND	FIXED INCOME	LOCKHEED MARTIN CORP	513,353.37	440,000	0.11	4.7	5/15/2046
MML DYNAMIC BOND FUND	FIXED INCOME	WELLS FARGO COMMERCIAL MORTGAG	434,085.94	421,000	0.10	4.60039	12/15/2048
MML DYNAMIC BOND FUND	FIXED INCOME	MORGAN STANLEY CAPITAL I TRUST	380,846.98	6,581,817	0.08	0.9577	12/15/2048
MML DYNAMIC BOND FUND	FIXED INCOME	WELLS FARGO COMMERCIAL MORTGAG	412,010.62	392,000	0.09	3.809	12/15/2048
MML DYNAMIC BOND FUND	FIXED INCOME	SCHLUMBERGER HLDGS CORP	270,606.07	270,000	0.06	2.35	12/21/2018
MML DYNAMIC BOND FUND	FIXED INCOME	US TREASURY N/B	3,365,237.07	3,390,000	0.75	1.125	1/15/2019
MML DYNAMIC BOND FUND	FIXED INCOME	AMERICAN TOWER CORP	999,005.42	950,000	0.22	4.4	2/15/2026
MML DYNAMIC BOND FUND	FIXED INCOME	REPUBLIC OF CHILE	608,250.00	600,000	0.13	3.125	1/21/2026
MML DYNAMIC BOND FUND	FIXED INCOME	EXPORT IMPORT BK INDIA	401,735.20	400,000	0.09	3.125	7/20/2021
MML DYNAMIC BOND FUND	FIXED INCOME	ANHEUSER BUSCH INBEV FIN	289,747.25	250,000	0.06	4.9	2/1/2046
MML DYNAMIC BOND FUND	FIXED INCOME	UNITED MEXICAN STATES	208,500.00	200,000	0.05	4.125	1/21/2026
MML DYNAMIC BOND FUND	FIXED INCOME	FHLMC MULTIFAMILY STRUCTURED P	365,610.80	6,701,851	0.08	1.31075	3/25/2023
MML DYNAMIC BOND FUND	FIXED INCOME	FNMA POOL MA2711	6,160,649.41	6,198,908	1.37	3	8/1/2046
MML DYNAMIC BOND FUND	FIXED INCOME	SG COMMERCIAL MORTGAGE SECURIT	463,616.45	3,950,150	0.10	2.01746	10/10/2048
MML DYNAMIC BOND FUND	FIXED INCOME	UNITED OVERSEAS BANK LTD	708,263.50	700,000	0.16	3.75	9/19/2024
MML DYNAMIC BOND FUND	FIXED INCOME	SUNOCO LOGISTICS PARTNER	733,925.66	750,000	0.16	3.9	7/15/2026
MML DYNAMIC BOND FUND	FIXED INCOME	SUMITOMO MITSUI FINL GRP	411,605.96	420,000	0.09	2.058	7/14/2021
MML DYNAMIC BOND FUND	FIXED INCOME	JP MORGAN CHASE COMMERCIAL MOR	170,370.17	174,000	0.04	3.4595	8/15/2049
MML DYNAMIC BOND FUND	FIXED INCOME	JP MORGAN CHASE COMMERCIAL MOR	130,445.18	134,000	0.03	3.79372	8/15/2049
MML DYNAMIC BOND FUND	FIXED INCOME	CITIGROUP COMMERCIAL MORTGAGE	460,163.04	3,748,526	0.10	2.00726	7/10/2049
MML DYNAMIC BOND FUND	FIXED INCOME	TEVA PHARMACEUTICALS NE	679,232.18	780,000	0.15	2.8	7/21/2023
MML DYNAMIC BOND FUND	FIXED INCOME	ONGC VIDESH VANKORNEFT	845,758.50	850,000	0.19	3.75	7/27/2026
MML DYNAMIC BOND FUND	FIXED INCOME	COMM MORTGAGE TRUST	205,968.74	210,000	0.05	3.4614	8/10/2029
MML DYNAMIC BOND FUND	FIXED INCOME	DUKE ENERGY CORP	212,615.85	215,000	0.05	3.75	9/1/2046
MML DYNAMIC BOND FUND	FIXED INCOME	KRAFT HEINZ FOODS CO	234,992.96	235,000	0.05	2	7/2/2018
MML DYNAMIC BOND FUND	FIXED INCOME	KRAFT HEINZ FOODS CO	346,989.03	345,000	0.08	2.8	7/2/2020
MML DYNAMIC BOND FUND	FIXED INCOME	US TREASURY N/B	1,555,402.17	1,565,000	0.34	0.75	8/31/2018
MML DYNAMIC BOND FUND	FIXED INCOME	CINCINNATI BELL INC	233,237.50	235,000	0.05	7	7/15/2024
MML DYNAMIC BOND FUND	FIXED INCOME	SHIRE ACQ INV IRELAND DA	570,183.13	580,000	0.13	2.875	9/23/2023
MML DYNAMIC BOND FUND	FIXED INCOME	US TREASURY N/B	2,296,514.12	2,380,000	0.51	1.125	9/30/2021
MML DYNAMIC BOND FUND	FIXED INCOME	MEXICO CITY ARPT TRUST	715,750.00	700,000	0.16	4.25	10/31/2026
MML DYNAMIC BOND FUND	FIXED INCOME	CITIGROUP COMMERCIAL MORTGAGE	526,638.22	534,000	0.12	3.52	9/10/2031
MML DYNAMIC BOND FUND	EQUITY	SANDRIDGE ENERGY INC	13,653.36	648	0.00		
MML DYNAMIC BOND FUND	FIXED INCOME	SIERRA PACIFIC POWER CO	966,294.04	1,000,000	0.21	2.6	5/1/2026
MML DYNAMIC BOND FUND	FIXED INCOME	CSX CORP	596,571.43	600,000	0.13	3.8	11/1/2046
MML DYNAMIC BOND FUND	FIXED INCOME	BANK OF AMERICA CORP	420,478.58	425,000	0.09	2.503	10/21/2022
MML DYNAMIC BOND FUND	FIXED INCOME	US TREASURY N/B	9,877,519.25	9,960,000	2.19	0.75	10/31/2018
MML DYNAMIC BOND FUND	FIXED INCOME	CENTENE CORP	310,337.50	305,000	0.07	4.75	1/15/2025
MML DYNAMIC BOND FUND	FIXED INCOME	N TEXAS ST MUNI WTR DIST WTR S	260,143.40	220,000	0.06	5	9/1/2035
MML DYNAMIC BOND FUND	FIXED INCOME	TELESAT CANADA/TELESAT L	319,200.00	285,000	0.07	8.875	11/15/2024
MML DYNAMIC BOND FUND	FIXED INCOME	US TREASURY N/B	5,571,429.97	5,650,000	1.24	1.75	11/30/2021
MML DYNAMIC BOND FUND	FIXED INCOME	GENESYS/GREENEDEN LUX/US	294,975.00	270,000	0.07	10	11/30/2024
MML DYNAMIC BOND FUND	FIXED INCOME	MSCG TRUST	547,301.19	539,000	0.12	5.205	11/15/2034
MML DYNAMIC BOND FUND	FIXED INCOME	CHARTER COMM OPT LLC/CAP	552,856.31	520,000	0.12	4.908	7/23/2025
MML DYNAMIC BOND FUND	FIXED INCOME	TCI CENT CLO 2016 1 LTD.	1,018,352.00	1,000,000	0.23	5.37446	12/21/2029
MML DYNAMIC BOND FUND	FIXED INCOME	ALM LOAN FUNDING	1,033,969.00	1,000,000	0.23	5.39917	10/15/2028
MML DYNAMIC BOND FUND	FIXED INCOME	MORGAN STANLEY BAML TRUST	474,606.06	454,000	0.11	3.72	12/15/2049
MML DYNAMIC BOND FUND	FIXED INCOME	CITIGROUP COMMERCIAL MORTGAGE	454,948.80	435,000	0.10	3.72	12/10/2049

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML DYNAMIC BOND FUND	FIXED INCOME	US TREASURY N/B	5,562,486.58	5,590,000	1.23	2	12/31/2021
MML DYNAMIC BOND FUND	FIXED INCOME	CFCRE COMMERCIAL MORTGAGE TRUS	412,179.56	563,000	0.09	3.052	1/10/2048
MML DYNAMIC BOND FUND	FIXED INCOME	ALLY FINANCIAL INC	566,100.00	555,000	0.13	4.125	3/30/2020
MML DYNAMIC BOND FUND	FIXED INCOME	JPMBB COMMERCIAL MORTGAGE SECU	454,986.61	8,844,119	0.10	1.18063	10/15/2048
MML DYNAMIC BOND FUND	FIXED INCOME	MALAYSIA SOVEREIGN SUKUK	501,500.00	500,000	0.11	3.043	4/22/2025
MML DYNAMIC BOND FUND	FIXED INCOME	ORACLE CORP	582,408.79	540,000	0.13	4.125	5/15/2045
MML DYNAMIC BOND FUND	FIXED INCOME	CNOOC FINANCE 2015 US	604,744.20	600,000	0.13	3.5	5/5/2025
MML DYNAMIC BOND FUND	FIXED INCOME	ESH HOSPITALITY INC	303,000.00	300,000	0.07	5.25	5/1/2025
MML DYNAMIC BOND FUND	FIXED INCOME	ABBVIE INC	616,701.10	550,000	0.14	4.7	5/14/2045
MML DYNAMIC BOND FUND	FIXED INCOME	COMCAST CORP	573,979.57	525,000	0.13	4.4	8/15/2035
MML DYNAMIC BOND FUND	FIXED INCOME	BLUEMOUNTAIN CLO LTD	1,007,127.00	1,000,000	0.22	4.90389	7/18/2027
MML DYNAMIC BOND FUND	FIXED INCOME	RBSSP RESECURITIZATION TRUST	1,179,507.50	1,383,029	0.26	6.499998	10/26/2037
MML DYNAMIC BOND FUND	FIXED INCOME	XCEL ENERGY INC	1,013,581.45	1,000,000	0.22	3.3	6/1/2025
MML DYNAMIC BOND FUND	FIXED INCOME	CREDIT SUISSE MORTGAGE TRUST	4,769,889.58	4,760,788	1.06	3.75	12/25/2056
MML DYNAMIC BOND FUND	FIXED INCOME	BHARTI AIRTEL LTD	508,757.85	500,000	0.11	4.375	6/10/2025
MML DYNAMIC BOND FUND	FIXED INCOME	REYNOLDS AMERICAN INC	569,431.88	545,000	0.13	4	6/12/2022
MML DYNAMIC BOND FUND	FIXED INCOME	LIMA METRO LINE 2 FIN LT	810,375.00	750,000	0.18	5.875	7/5/2034
MML DYNAMIC BOND FUND	FIXED INCOME	ASTRAZENECA PLC	286,560.86	290,000	0.06	2.375	6/12/2022
MML DYNAMIC BOND FUND	FIXED INCOME	NEW YORK LIFE GLOBAL FDG	532,437.08	540,000	0.12	2.3	6/10/2022
MML DYNAMIC BOND FUND	FIXED INCOME	RAIT TRUST	504,942.04	504,929	0.11	2.18889	6/15/2037
MML DYNAMIC BOND FUND	FIXED INCOME	RAIT TRUST	141,054.03	141,000	0.03	2.53889	6/15/2037
MML DYNAMIC BOND FUND	FIXED INCOME	BRIGHTHOUSE FINANCIAL IN	565,494.50	575,000	0.13	3.7	6/22/2027
MML DYNAMIC BOND FUND	FIXED INCOME	BRAND INDUSTRIAL SERVICE	220,500.00	210,000	0.05	8.5	7/15/2025
MML DYNAMIC BOND FUND	FIXED INCOME	SYSCO CORPORATION	578,047.85	580,000	0.13	3.25	7/15/2027
MML DYNAMIC BOND FUND	FIXED INCOME	ATHENE GLOBAL FUNDING	574,068.58	580,000	0.13	3	7/1/2022
MML DYNAMIC BOND FUND	FIXED INCOME	AMERICAN TOWER CORP	570,797.04	575,000	0.13	3.55	7/15/2027
MML DYNAMIC BOND FUND	FIXED INCOME	NFP CORP	312,325.00	310,000	0.07	6.875	7/15/2025
MML DYNAMIC BOND FUND	FIXED INCOME	NGL ENRGY PART LP/FIN CO	227,150.00	220,000	0.05	7.5	11/1/2023
MML DYNAMIC BOND FUND	FIXED INCOME	ELDORADO RESORTS INC	329,175.00	315,000	0.07	6	4/1/2025
MML DYNAMIC BOND FUND	FIXED INCOME	DBS GROUP HOLDINGS LTD	201,071.14	200,000	0.04	1.98742	7/25/2022
MML DYNAMIC BOND FUND	FIXED INCOME	MORGAN STANLEY	590,384.21	585,000	0.13	3.591	7/22/2028
MML DYNAMIC BOND FUND	FIXED INCOME	TRIP RAIL MASTER FUNDING LLC	470,778.87	472,627	0.10	2.709	8/15/2047
MML DYNAMIC BOND FUND	FIXED INCOME	COUNTRYWIDE ALTERNATIVE LOAN T	3,360,600.06	4,624,919	0.75	6.25	12/25/2036
MML DYNAMIC BOND FUND	FIXED INCOME	WACHOVIA BANK COMMERCIAL MORTG	544,610.64	541,221	0.12	5.632	10/15/2048
MML DYNAMIC BOND FUND	FIXED INCOME	INDYMAC INDX MORTGAGE LOAN TRU	3,291,431.39	3,562,115	0.73	3.50195	5/25/2037
MML DYNAMIC BOND FUND	FIXED INCOME	INTEROCEANICA IV FINANCE	879,684.78	1,022,889	0.20	0.01	11/30/2025
MML DYNAMIC BOND FUND	FIXED INCOME	BARCLAYS COMMERCIAL MORTGAGE S	476,356.40	4,583,885	0.11	1.52375	2/15/2050
MML DYNAMIC BOND FUND	FIXED INCOME	TRANSDIGM INC	308,050.00	305,000	0.07	6.375	6/15/2026
MML DYNAMIC BOND FUND	FIXED INCOME	THACHER PARK CLO	1,002,360.00	1,000,000	0.22	4.76261	10/20/2026
MML DYNAMIC BOND FUND	FIXED INCOME	EVERSOURCE ENERGY	1,001,810.27	1,000,000	0.22	2.75	3/15/2022
MML DYNAMIC BOND FUND	FIXED INCOME	BLUELINE RENTAL CRP / LL	314,912.50	295,000	0.07	9.25	3/15/2024
MML DYNAMIC BOND FUND	FIXED INCOME	ENABLE MIDSTREAM PARTNER	574,529.38	565,000	0.13	4.4	3/15/2027
MML DYNAMIC BOND FUND	FIXED INCOME	PFP III	94,050.58	94,000	0.02	3.18185	1/14/2035
MML DYNAMIC BOND FUND	FIXED INCOME	COMMONWEALTH BANK AUST	837,398.97	835,000	0.19	2.75	3/10/2022
MML DYNAMIC BOND FUND	FIXED INCOME	PFP III	185,315.03	185,252	0.04	2.48185	1/14/2035
MML DYNAMIC BOND FUND	FIXED INCOME	DTE ENERGY CO	515,657.08	500,000	0.11	3.8	3/15/2027
MML DYNAMIC BOND FUND	FIXED INCOME	DELTA AIR LINES INC	289,924.23	285,000	0.06	3.625	3/15/2022
MML DYNAMIC BOND FUND	FIXED INCOME	PENSKE TRUCK LEASING/PTL	285,850.75	275,000	0.06	4.2	4/1/2027
MML DYNAMIC BOND FUND	FIXED INCOME	UNITED MEXICAN STATES	2,123,776.00	2,048,000	0.47	4.15	3/28/2027
MML DYNAMIC BOND FUND	FIXED INCOME	DANA FINANCING LUX SARL	310,856.25	295,000	0.07	5.75	4/15/2025
MML DYNAMIC BOND FUND	FIXED INCOME	PERUSAHAAN PENERBIT SBSN	413,040.00	400,000	0.09	4.15	3/29/2027
MML DYNAMIC BOND FUND	FIXED INCOME	PERUSAHAAN PENERBIT SBSN	206,520.00	200,000	0.05	4.15	3/29/2027

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML DYNAMIC BOND FUND	FIXED INCOME	APPLIED MATERIALS INC	314,100.67	280,000	0.07	4.35	4/1/2047
MML DYNAMIC BOND FUND	FIXED INCOME	DUKE ENERGY FLORIDA LLC	1,012,396.80	1,000,000	0.22	3.2	1/15/2027
MML DYNAMIC BOND FUND	FIXED INCOME	BPRL INTERNATIONAL SINGA	515,601.50	500,000	0.11	4.375	1/18/2027
MML DYNAMIC BOND FUND	FIXED INCOME	ENERGY TRANSFER LP	144,246.31	145,000	0.03	4.2	4/15/2027
MML DYNAMIC BOND FUND	FIXED INCOME	ADANI PORTS AND SPECIAL	382,420.88	375,000	0.08	3.95	1/19/2022
MML DYNAMIC BOND FUND	FIXED INCOME	GOHL CAPITAL LTD	615,316.20	600,000	0.14	4.25	1/24/2027
MML DYNAMIC BOND FUND	FIXED INCOME	WELLS FARGO + COMPANY	559,165.06	555,000	0.12	3.069	1/24/2023
MML DYNAMIC BOND FUND	FIXED INCOME	EMPRESA DE TRANSPORTE ME	821,640.00	750,000	0.18	5	1/25/2047
MML DYNAMIC BOND FUND	FIXED INCOME	REPUBLIC OF PHILIPPINES	595,905.00	600,000	0.13	3.7	2/2/2042
MML DYNAMIC BOND FUND	FIXED INCOME	US TREASURY N/B	5,591,734.38	5,650,000	1.24	1.875	1/31/2022
MML DYNAMIC BOND FUND	FIXED INCOME	PETROLEOS MEXICANOS	302,716.50	290,000	0.07	6.75	9/21/2047
MML DYNAMIC BOND FUND	FIXED INCOME	SMITHFIELD FOODS INC	564,407.05	550,000	0.13	4.25	2/1/2027
MML DYNAMIC BOND FUND	FIXED INCOME	MORGAN STANLEY CAPITAL I TRUST	424,336.87	425,000	0.09	4.87703	2/15/2034
MML DYNAMIC BOND FUND	FIXED INCOME	CROWN CASTLE INTL CORP	230,045.94	225,000	0.05	4	3/1/2027
MML DYNAMIC BOND FUND	FIXED INCOME	AT+T INC	523,523.81	495,000	0.12	5.25	3/1/2037
MML DYNAMIC BOND FUND	FIXED INCOME	POST HOLDINGS INC	315,675.00	305,000	0.07	5.5	3/1/2025
MML DYNAMIC BOND FUND	FIXED INCOME	PEABODY ENERGY CORP	316,437.50	305,000	0.07	6	3/31/2022
MML DYNAMIC BOND FUND	FIXED INCOME	HEXION INC	297,800.00	320,000	0.07	10.375	2/1/2022
MML DYNAMIC BOND FUND	FIXED INCOME	GSAA HOME EQUITY TRUST	3,800,556.52	5,047,876	0.84	6.5	11/25/2037
MML DYNAMIC BOND FUND	FIXED INCOME	CREDIT SUISSE MORTGAGE TRUST	616,479.14	616,858	0.14	6.33023	2/15/2041
MML DYNAMIC BOND FUND	FIXED INCOME	STRUCTURED ADJUSTABLE RATE MOR	1,850,053.07	1,943,445	0.41	3.46263	10/25/2037
MML DYNAMIC BOND FUND	FIXED INCOME	BANCO INTL DEL PERU/PANA	752,500.00	700,000	0.17	5.75	10/7/2020
MML DYNAMIC BOND FUND	FIXED INCOME	COSAN OVERSEAS LTD	511,825.00	500,000	0.11	8.25	11/29/2049
MML DYNAMIC BOND FUND	FIXED INCOME	ENGIE ENERGIA CHILE SA	108,051.33	100,000	0.02	5.625	1/15/2021
MML DYNAMIC BOND FUND	FIXED INCOME	AUST + NZ BANKING GROUP	575,983.05	540,000	0.13	4.875	1/12/2021
MML DYNAMIC BOND FUND	FIXED INCOME	SINGTEL GROUP TREASURY P	212,439.60	200,000	0.05	4.5	9/8/2021
MML DYNAMIC BOND FUND	FIXED INCOME	CNPC HK OVERSEAS CAPITAL	735,319.94	700,000	0.16	4.5	4/28/2021
MML DYNAMIC BOND FUND	FIXED INCOME	BANCO DEL ESTADO CHILE	156,277.74	150,000	0.03	3.875	2/8/2022
MML DYNAMIC BOND FUND	FIXED INCOME	TEMASEK FINANCIAL I LTD	740,476.09	750,000	0.16	2.375	1/23/2023
MML DYNAMIC BOND FUND	FIXED INCOME	ENA NORTE TRUST	154,067.77	148,142	0.03	4.95	4/25/2028
MML DYNAMIC BOND FUND	FIXED INCOME	INDUSTRIAL SENIOR TRUST	510,000.00	500,000	0.11	5.5	11/1/2022
MML DYNAMIC BOND FUND	FIXED INCOME	REPUBLIC OF CHILE	147,975.00	150,000	0.03	2.25	10/30/2022
MML DYNAMIC BOND FUND	FIXED INCOME	COMM MORTGAGE TRUST	614,861.38	738,000	0.14	4.57478	10/15/2045
MML DYNAMIC BOND FUND	FIXED INCOME	HUTCH WHAMPOA INT 12 II	303,248.47	300,000	0.07	3.25	11/8/2022
MML DYNAMIC BOND FUND	FIXED INCOME	FONDO MIVIVIENDA SA	150,585.00	150,000	0.03	3.5	1/31/2023
MML DYNAMIC BOND FUND	FIXED INCOME	BANCO RESERVAS REP DOMIN	210,843.00	200,000	0.05	7	2/1/2023
MML DYNAMIC BOND FUND	FIXED INCOME	BANCO DE COSTA RICA	200,250.00	200,000	0.04	5.25	8/12/2018
MML DYNAMIC BOND FUND	FIXED INCOME	SOUTHERN CO	822,384.12	820,000	0.18	2.45	9/1/2018
MML DYNAMIC BOND FUND	FIXED INCOME	JBS USA LUX/JBS USA FIN	50,812.50	50,000	0.01	7.25	6/1/2021
MML DYNAMIC BOND FUND	FIXED INCOME	FERMACA ENTERPRISES S RL	249,515.95	232,000	0.06	6.375	3/30/2038
MML DYNAMIC BOND FUND	FIXED INCOME	WELLS FARGO COMMERCIAL MORTGAG	463,843.07	560,000	0.10	3.938	8/15/2050
MML DYNAMIC BOND FUND	EQUITY	DOUBLELINE FLOATING RATE FUND	11,926,498.16	1,202,268	2.64		
MML DYNAMIC BOND FUND	FIXED INCOME	CLI FUNDING LLC	469,355.61	470,272	0.10	3.38	10/18/2029
MML DYNAMIC BOND FUND	FIXED INCOME	GLOBAL BANK CORPORATION	723,590.00	700,000	0.16	5.125	10/30/2019
MML DYNAMIC BOND FUND	FIXED INCOME	B+G FOODS INC	310,230.75	305,000	0.07	5.25	4/1/2025
MML DYNAMIC BOND FUND	FIXED INCOME	CK HUTCHISON INTL 17 LTD	199,856.93	200,000	0.04	3.5	4/5/2027
MML DYNAMIC BOND FUND	FIXED INCOME	HELIOS ISSUER, LLC	250,507.80	244,469	0.06	4.94	9/20/2049
MML DYNAMIC BOND FUND	FIXED INCOME	TSY INFL IX N/B	7,976,527.88	8,033,098	1.77	0.125	4/15/2022
MML DYNAMIC BOND FUND	FIXED INCOME	SABINE PASS LIQUEFACTION	708,230.25	660,000	0.16	5	3/15/2027
MML DYNAMIC BOND FUND	FIXED INCOME	BANK OF AMERICA CORP	425,625.04	425,000	0.09	2.881	4/24/2023
MML DYNAMIC BOND FUND	FIXED INCOME	NEXTERA ENERGY CAPITAL	285,220.29	280,000	0.06	3.55	5/1/2027
MML DYNAMIC BOND FUND	FIXED INCOME	US TREASURY N/B	2,562,771.88	2,570,000	0.57	2.375	5/15/2027

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML DYNAMIC BOND FUND	FIXED INCOME	1011778 BC / NEW RED FIN	309,225.00	310,000	0.07	4.25	5/15/2024
MML DYNAMIC BOND FUND	FIXED INCOME	ROYAL BK SCOTLND GRP PLC	861,875.02	860,000	0.19	3.498	5/15/2023
MML DYNAMIC BOND FUND	FIXED INCOME	CITIGROUP INC	878,305.79	865,000	0.19	2.5219	5/17/2024
MML DYNAMIC BOND FUND	FIXED INCOME	MORGAN STANLEY	567,907.74	570,000	0.13	2.75	5/19/2022
MML DYNAMIC BOND FUND	FIXED INCOME	CLNS TRUST	190,179.25	190,000	0.04	3.48185	6/11/2032
MML DYNAMIC BOND FUND	FIXED INCOME	BECTON DICKINSON AND CO	854,620.35	860,000	0.19	2.894	6/6/2022
MML DYNAMIC BOND FUND	FIXED INCOME	CANADIAN NATL RESOURCES	856,148.86	860,000	0.19	2.95	1/15/2023
MML DYNAMIC BOND FUND	FIXED INCOME	GTT COMMUNICATIONS INC	232,100.00	220,000	0.05	7.875	12/31/2024
MML DYNAMIC BOND FUND	FIXED INCOME	PETSMART INC	88,262.50	115,000	0.02	5.875	6/1/2025
MML DYNAMIC BOND FUND	FIXED INCOME	EBAY INC	569,397.82	575,000	0.13	2.75	1/30/2023
MML DYNAMIC BOND FUND	FIXED INCOME	WILLIAMS PARTNERS LP	290,602.76	290,000	0.06	3.75	6/15/2027
MML DYNAMIC BOND FUND	FIXED INCOME	ARROW ELECTRONICS INC	289,130.59	290,000	0.06	3.875	1/12/2028
MML DYNAMIC BOND FUND	FIXED INCOME	FORTIS INC	566,151.37	580,000	0.13	2.1	10/4/2021
MML DYNAMIC BOND FUND	FIXED INCOME	CCO HLDGS LLC/CAP CORP	179,912.50	185,000	0.04	5	2/1/2028
MML DYNAMIC BOND FUND	FIXED INCOME	DUKE ENERGY CORP	246,633.58	240,000	0.05	3.95	8/15/2047
MML DYNAMIC BOND FUND	FIXED INCOME	CLUBCORP HOLDINGS INC	156,000.00	160,000	0.03	8.5	9/15/2025
MML DYNAMIC BOND FUND	FIXED INCOME	AMAZON.COM INC	630,464.31	585,000	0.14	4.05	8/22/2047
MML DYNAMIC BOND FUND	FIXED INCOME	VMWARE INC	698,043.82	700,000	0.15	2.95	8/21/2022
MML DYNAMIC BOND FUND	FIXED INCOME	PINNACLE ENTERTAINMENT I	401,250.00	375,000	0.09	5.625	5/1/2024
MML DYNAMIC BOND FUND	FIXED INCOME	US TREASURY N/B	5,634,620.14	5,790,000	1.25	1.875	8/31/2024
MML DYNAMIC BOND FUND	CASH EQUIVALENT	TREASURY BILL	6,734,232.41	6,750,000	1.49	1.147	3/8/2018
MML DYNAMIC BOND FUND	FIXED INCOME	MIZUHO FINANCIAL GROUP	402,704.00	400,000	0.09	2.41606	9/11/2022
MML DYNAMIC BOND FUND	FIXED INCOME	HASBRO INC	166,140.44	170,000	0.04	3.5	9/15/2027
MML DYNAMIC BOND FUND	FIXED INCOME	CREDIT SUISSE GROUP AG	600,637.57	595,000	0.13	2.77352	12/14/2023
MML DYNAMIC BOND FUND	FIXED INCOME	MORGAN STANLEY BAML TRUST	633,794.92	650,000	0.14	4.134	7/15/2050
MML DYNAMIC BOND FUND	FIXED INCOME	CITIGROUP COMMERCIAL MORTGAGE	659,060.99	700,000	0.15	4.06292	6/10/2048
MML DYNAMIC BOND FUND	FIXED INCOME	FREDDIE MAC	6,921,233.82	6,907,076	1.53	3	6/15/2044
MML DYNAMIC BOND FUND	FIXED INCOME	WELLS FARGO COMMERCIAL MORTGAG	486,168.19	12,759,416	0.11	0.774	7/15/2058
MML DYNAMIC BOND FUND	FIXED INCOME	JPMBB COMMERCIAL MORTGAGE SECU	621,947.83	610,000	0.14	4.30874	7/15/2048
MML DYNAMIC BOND FUND	FIXED INCOME	BLUEMOUNTAIN CLO LTD	1,005,830.00	1,000,000	0.22	4.46261	10/20/2027
MML DYNAMIC BOND FUND	FIXED INCOME	BLUEMOUNTAIN CLO LTD	1,003,517.00	1,000,000	0.22	4.91261	10/20/2027
MML DYNAMIC BOND FUND	FIXED INCOME	WELLS FARGO COMMERCIAL MORTGAG	392,896.45	390,000	0.09	4.5414	9/15/2058
MML DYNAMIC BOND FUND	FIXED INCOME	JPMBB COMMERCIAL MORTGAGE SECU	99,560.65	100,000	0.02	4.66759	11/15/2048
MML DYNAMIC BOND FUND	FIXED INCOME	OCTAGON INVESTMENT PARTNERS XX	994,840.00	1,000,000	0.22	6.6125	11/25/2025
MML DYNAMIC BOND FUND	FIXED INCOME	FANNIE MAE	1,085,887.82	1,075,790	0.24	3	1/25/2045
MML DYNAMIC BOND FUND	FIXED INCOME	MORGAN STANLEY BAML TRUST	535,245.17	650,000	0.12	3.06	10/15/2048
MML DYNAMIC BOND FUND	FIXED INCOME	COMM MORTGAGE TRUST	489,586.50	470,000	0.11	4.64582	10/10/2048
MML DYNAMIC BOND FUND	FIXED INCOME	MORGAN STANLEY CAPITAL I TRUST	475,619.56	478,000	0.11	4.47703	8/15/2026
MML DYNAMIC BOND FUND	FIXED INCOME	GS MORTGAGE SECURITIES TRUST	412,779.59	8,137,950	0.09	0.82389	11/10/2048
MML DYNAMIC BOND FUND	FIXED INCOME	MORGAN STANLEY BAML TRUST	373,321.67	504,000	0.08	3.237	12/15/2047
MML DYNAMIC BOND FUND	FIXED INCOME	MORGAN STANLEY BAML TRUST	337,360.49	351,000	0.07	4.53419	12/15/2047
MML DYNAMIC BOND FUND	FIXED INCOME	CITIGROUP COMMERCIAL MORTGAGE	412,505.64	413,000	0.09	4.50023	11/10/2048
MML DYNAMIC BOND FUND	FIXED INCOME	CITIGROUP COMMERCIAL MORTGAGE	249,371.30	5,310,235	0.06	0.88906	11/10/2048
MML DYNAMIC BOND FUND	FIXED INCOME	WELLS FARGO COMMERCIAL MORTGAG	310,897.91	5,470,925	0.07	1.02052	12/15/2048
MML DYNAMIC BOND FUND	FIXED INCOME	JP MORGAN CHASE COMMERCIAL MOR	286,758.63	5,366,695	0.06	1.13751	1/15/2049
MML DYNAMIC BOND FUND	FIXED INCOME	CFCRE COMMERCIAL MORTGAGE TRUS	395,532.17	5,786,737	0.09	1.07311	1/10/2048
MML DYNAMIC BOND FUND	FIXED INCOME	COMM MORTGAGE TRUST	514,065.66	517,000	0.11	4.64699	2/10/2049
MML DYNAMIC BOND FUND	FIXED INCOME	CELGENE CORP	618,043.92	595,000	0.14	4.35	11/15/2047
MML DYNAMIC BOND FUND	FIXED INCOME	CORNING INC	590,658.23	595,000	0.13	4.375	11/15/2057
MML DYNAMIC BOND FUND	FIXED INCOME	QEP RESOURCES INC	162,200.00	160,000	0.04	5.625	3/1/2026
MML DYNAMIC BOND FUND	FIXED INCOME	AMERICAN ELECTRIC POWER	94,324.85	95,000	0.02	3.2	11/13/2027
MML DYNAMIC BOND FUND	FIXED INCOME	MOSAIC CO	581,520.57	580,000	0.13	4.05	11/15/2027

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML DYNAMIC BOND FUND	FIXED INCOME	PLATFORM SPECIALTY PROD	158,800.00	160,000	0.04	5.875	12/1/2025
MML DYNAMIC BOND FUND	FIXED INCOME	REPUBLIC SERVICES INC	589,373.88	585,000	0.13	3.375	11/15/2027
MML DYNAMIC BOND FUND	FIXED INCOME	CBS CORP	78,894.24	80,000	0.02	3.7	6/1/2028
MML DYNAMIC BOND FUND	FIXED INCOME	ANTHEM INC	160,066.98	160,000	0.04	2.95	12/1/2022
MML DYNAMIC BOND FUND	FIXED INCOME	AERCAP IRELAND CAP/GLOBA	594,746.33	600,000	0.13	3.5	1/15/2025
MML DYNAMIC BOND FUND	FIXED INCOME	POLARIS INTERMEDIATE	77,812.50	75,000	0.02	8.5	12/1/2022
MML DYNAMIC BOND FUND	FIXED INCOME	SPRITE LIMITED	497,855.00	500,000	0.11	4.25	12/15/2037
MML DYNAMIC BOND FUND	FIXED INCOME	MACQUARIE GROUP LTD	575,963.20	580,000	0.13	3.189	11/28/2023
MML DYNAMIC BOND FUND	FIXED INCOME	ROYAL CARIBBEAN CRUISES	292,322.16	295,000	0.06	3.7	3/15/2028
MML DYNAMIC BOND FUND	FIXED INCOME	SYNCHRONY FINANCIAL	24,894.84	25,000	0.01	3.95	12/1/2027
MML DYNAMIC BOND FUND	FIXED INCOME	ALIBABA GROUP HOLDING	199,430.61	200,000	0.04	2.8	6/6/2023
MML DYNAMIC BOND FUND	FIXED INCOME	SIMON PROPERTY GROUP LP	301,389.48	300,000	0.07	3.375	12/1/2027
MML DYNAMIC BOND FUND	FIXED INCOME	EXPEDIA INC	574,952.28	595,000	0.13	3.8	2/15/2028
MML DYNAMIC BOND FUND	CASH EQUIVALENT	TREASURY BILL	3,408,188.05	3,430,000	0.76	1.436	6/7/2018
MML DYNAMIC BOND FUND	FIXED INCOME	BAKER HUGHES LLC/CO OBL	305,119.57	300,000	0.07	4.08	12/15/2047
MML DYNAMIC BOND FUND	FIXED INCOME	BANK OF MONTREAL	444,883.50	450,000	0.10	3.803	12/15/2032
MML DYNAMIC BOND FUND	FIXED INCOME	PACKAGING CORP OF AMERIC	290,722.50	290,000	0.06	3.4	12/15/2027
MML DYNAMIC BOND FUND	FIXED INCOME	WHITING PETROLEUM CORP	158,100.00	155,000	0.04	6.625	1/15/2026
MML DYNAMIC BOND FUND	FIXED INCOME	OCTAGON INVESTMENT PARTNERS XX	989,600.00	1,000,000	0.22	1	1/22/2030
MML DYNAMIC BOND FUND	FIXED INCOME	ANCHORAGE CAPITAL CLO LTD	999,999.00	1,000,000	0.22	1	1/15/2030
MML DYNAMIC BOND FUND	CASH EQUIVALENT	FIXED INC CLEARING CORP.REPO	8,205,799.17	8,205,799	1.82	0.54	1/2/2018
MML DYNAMIC BOND FUND	CASH EQUIVALENT	EURO TIME DEPOSIT (USD)	994,738.35	994,738	0.22	0.000003	1/2/2018
MML DYNAMIC BOND FUND	FIXED INCOME	TAL ADVANTAGE LLC	254,563.32	258,333	0.06	2.83	2/22/2038
MML DYNAMIC BOND FUND	FIXED INCOME	GUANAY FINANCE LTD	489,375.98	476,487	0.11	6	12/15/2020
MML DYNAMIC BOND FUND	FIXED INCOME	GOVERNMENT NATIONAL MORTGAGE A	3,113,854.44	3,134,873	0.69	3.5	5/20/2045
MML DYNAMIC BOND FUND	FIXED INCOME	FREDDIE MAC	7,437,192.25	7,419,241	1.65	3	12/15/2042
MML DYNAMIC BOND FUND	FIXED INCOME	GOVERNMENT NATIONAL MORTGAGE A	4,966,517.62	4,988,058	1.10	3.5	6/20/2045
MML DYNAMIC BOND FUND	FIXED INCOME	JPMBB COMMERCIAL MORTGAGE SECU	484,018.12	466,000	0.11	4.74658	3/15/2049
MML DYNAMIC BOND FUND	FIXED INCOME	COMM MORTGAGE TRUST	62,513.27	986,085	0.01	1.06158	2/10/2049
MML DYNAMIC BOND FUND	FIXED INCOME	FANNIEMAE ACES	458,682.09	465,000	0.10	2.702	2/25/2026
MML DYNAMIC BOND FUND	FIXED INCOME	UNITED OVERSEAS BANK LTD	201,306.00	200,000	0.04	3.5	9/16/2026
MML DYNAMIC BOND FUND	FIXED INCOME	MALAYSIA SUKUK GLOBAL	251,850.00	250,000	0.06	3.179	4/27/2026
MML DYNAMIC BOND FUND	FIXED INCOME	MALAYAN BANKING BHD	612,638.40	600,000	0.14	3.905	10/29/2026
MML DYNAMIC BOND FUND	FIXED INCOME	AES ANDRS/DMCN PWR/ITABO	541,250.00	500,000	0.12	7.95	5/11/2026
MML DYNAMIC BOND FUND	FIXED INCOME	ALM LOAN FUNDING	511,846.00	500,000	0.11	5.70917	7/15/2028
MML DYNAMIC BOND FUND	FIXED INCOME	ALM LOAN FUNDING	506,736.00	500,000	0.11	4.35917	7/15/2028
MML DYNAMIC BOND FUND	FIXED INCOME	WESTCOTT PARK CLO LTD	514,503.50	500,000	0.11	5.71261	7/20/2028
MML DYNAMIC BOND FUND	FIXED INCOME	JP MORGAN CHASE COMMERCIAL MOR	388,822.00	3,210,950	0.09	1.85659	8/15/2049
MML DYNAMIC BOND FUND	FIXED INCOME	CITIGROUP COMMERCIAL MORTGAGE	539,208.70	547,000	0.12	2.902	7/10/2049
MML DYNAMIC BOND FUND	FIXED INCOME	FNMA POOL AS7661	1,749,560.83	1,760,426	0.39	3	8/1/2046
MML DYNAMIC BOND FUND	FIXED INCOME	MORGAN STANLEY CAPITAL I TRUST	153,410.79	1,585,697	0.03	1.66369	8/15/2049
MML DYNAMIC BOND FUND	FIXED INCOME	SINOPEC GRP OVERSEAS DEV	854,062.20	900,000	0.19	2.75	9/29/2026
MML DYNAMIC BOND FUND	FIXED INCOME	WIND RIVER CLO LTD	1,023,530.00	1,000,000	0.23	5.45917	1/15/2026
MML DYNAMIC BOND FUND	FIXED INCOME	WELLS FARGO COMMERCIAL MORTGAG	229,545.89	2,389,689	0.05	1.65395	11/15/2049
MML DYNAMIC BOND FUND	FIXED INCOME	FNMA POOL AL9238	4,462,233.29	4,443,833	0.99	3	10/1/2041
MML DYNAMIC BOND FUND	FIXED INCOME	BDO UNIBANK INC	445,529.70	450,000	0.10	2.625	10/24/2021
MML DYNAMIC BOND FUND	FIXED INCOME	US TREASURY N/B	6,370,044.76	6,575,000	1.41	1.25	10/31/2021
MML DYNAMIC BOND FUND	FIXED INCOME	BANCO DE CREDITO DEL PER	500,000.00	500,000	0.11	2.25	10/25/2019
MML DYNAMIC BOND FUND	FIXED INCOME	BLACKBIRD CAPITAL AIRCRAFT	944,362.31	942,708	0.21	5.682	12/16/2041
MML DYNAMIC BOND FUND	FIXED INCOME	HERO FUNDING TRUST	451,145.08	428,559	0.10	4.29	9/20/2047
MML DYNAMIC BOND FUND	FIXED INCOME	CFCRE COMMERCIAL MORTGAGE TRUS	567,770.59	545,000	0.13	3.8385	12/10/2054
MML DYNAMIC BOND FUND	FIXED INCOME	SUTHERLAND COMMERCIAL MORTGAGE	140,167.49	139,327	0.03	4	6/25/2039

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML DYNAMIC BOND FUND	FIXED INCOME	MOSAIC SOLAR LOANS LLC	747,778.27	732,892	0.17	4.45	6/20/2042
MML DYNAMIC BOND FUND	FIXED INCOME	OCTAGON INVESTMENT PARTNERS 30	1,013,660.00	1,000,000	0.22	4.86261	3/17/2030
MML DYNAMIC BOND FUND	FIXED INCOME	OCTAGON INVESTMENT PARTNERS 30	508,497.00	500,000	0.11	7.56261	3/17/2030
MML DYNAMIC BOND FUND	FIXED INCOME	WIND RIVER CLO LTD	1,017,897.00	1,000,000	0.23	5.10389	4/18/2029
MML DYNAMIC BOND FUND	FIXED INCOME	AMERICAN EXPRESS CO	1,160,817.17	1,175,000	0.26	2.5	8/1/2022
MML DYNAMIC BOND FUND	FIXED INCOME	HILTON DOMESTIC OPERATIN	313,100.00	310,000	0.07	4.25	9/1/2024
MML DYNAMIC BOND FUND	FIXED INCOME	US TREASURY N/B	5,945,674.07	6,030,000	1.32	2.25	8/15/2027
MML DYNAMIC BOND FUND	FIXED INCOME	SPARC EM SPC PANAMA METR	550,500.00	600,000	0.12	0.01	12/5/2022
MML DYNAMIC BOND FUND	FIXED INCOME	GENERAL MOTORS CO	211,257.54	210,000	0.05	2.19194	8/7/2020
MML DYNAMIC BOND FUND	FIXED INCOME	DIGITAL REALTY TRUST LP	251,819.33	250,000	0.06	3.7	8/15/2027
MML DYNAMIC BOND FUND	FIXED INCOME	EXPORT IMPORT BK INDIA	200,836.00	200,000	0.04	2.44067	8/21/2022
MML DYNAMIC BOND FUND	FIXED INCOME	BAT CAPITAL CORP	106,254.54	105,000	0.02	2.29586	8/15/2022
MML DYNAMIC BOND FUND	FIXED INCOME	GS MORTGAGE SECURITIES TRUST	564,938.53	6,713,071	0.13	1.14172	8/10/2050
MML DYNAMIC BOND FUND	FIXED INCOME	BDO UNIBANK INC	294,138.30	300,000	0.07	2.95	3/6/2023
MML DYNAMIC BOND FUND	FIXED INCOME	GREAT WOLF TRUST	236,076.70	236,000	0.05	5.69703	9/15/2034
MML DYNAMIC BOND FUND	FIXED INCOME	GREAT WOLF TRUST	443,151.73	443,000	0.10	4.72703	9/15/2034
MML DYNAMIC BOND FUND	FIXED INCOME	GILBERT PARK CLO LTD	503,869.00	500,000	0.11	4.31476	10/15/2030
MML DYNAMIC BOND FUND	FIXED INCOME	BANCO SANTANDER SA	603,676.67	600,000	0.13	2.55233	2/23/2023
MML DYNAMIC BOND FUND	FIXED INCOME	GOLDMAN SACHS GROUP INC	740,961.40	740,000	0.16	2.16009	10/31/2022
MML DYNAMIC BOND FUND	FIXED INCOME	FREDDIEMAC STRIP	3,398,772.54	3,419,612	0.75	3	10/15/2047
MML DYNAMIC BOND FUND	FIXED INCOME	LLOYDS BANKING GROUP PLC	594,355.96	600,000	0.13	3.574	11/7/2028
MML DYNAMIC BOND FUND	FIXED INCOME	COSMOPOLITAN HOTEL TRUST	379,059.31	378,000	0.08	4.38	11/15/2036
MML DYNAMIC BOND FUND	FIXED INCOME	COSMOPOLITAN HOTEL TRUST	202,310.94	202,000	0.04	5.1212	11/15/2036
MML DYNAMIC BOND FUND	FIXED INCOME	UBS COMMERCIAL MORTGAGE TRUST	582,959.22	580,000	0.13	4.4543	12/15/2050
MML DYNAMIC BOND FUND	FIXED INCOME	FREDDIE MAC	3,009,140.70	3,000,000	0.67	3	7/15/2046
MML DYNAMIC BOND FUND	FIXED INCOME	CIM TRUST	2,799,349.15	2,834,779	0.62	3.015	6/25/2057
MML DYNAMIC BOND FUND	FIXED INCOME	FREDDIEMAC STRIP	3,824,807.86	3,834,903	0.85	3	8/15/2047
MML DYNAMIC BOND FUND	FIXED INCOME	DISCOVER FINANCIAL SVS	737,518.57	720,000	0.16	4.1	2/9/2027
MML DYNAMIC BOND FUND	FIXED INCOME	MADISON PARK FUNDING LTD	1,004,635.00	1,000,000	0.22	6.81446	1/27/2026
MML DYNAMIC BOND FUND	FIXED INCOME	PPF III	97,219.24	99,000	0.02	3.93185	1/14/2035
MML DYNAMIC BOND FUND	FIXED INCOME	PPF III	163,812.96	164,000	0.04	2.73185	1/14/2035
MML DYNAMIC BOND FUND	FIXED INCOME	UNION PACIFIC CORP	251,243.18	250,000	0.06	3	4/15/2027
MML DYNAMIC BOND FUND	FIXED INCOME	CK HUTCHISON INTL 17 LTD	199,262.72	200,000	0.04	2.875	4/5/2022
MML DYNAMIC BOND FUND	FIXED INCOME	ANCHORAGE CAPITAL CLO LTD	1,002,856.00	1,000,000	0.22	2.50917	10/15/2026
MML DYNAMIC BOND FUND	FIXED INCOME	GENERAL MOTORS FINL CO	869,918.91	845,000	0.19	3.95	4/13/2024
MML DYNAMIC BOND FUND	FIXED INCOME	CREDIT SUISSE MORTGAGE TRUST	256,698.26	257,000	0.06	3.22941	4/5/2033
MML DYNAMIC BOND FUND	FIXED INCOME	CREDIT SUISSE MORTGAGE TRUST	301,508.99	306,000	0.07	3.33051	4/5/2033
MML DYNAMIC BOND FUND	FIXED INCOME	OCTAGON INVESTMENT PARTNERS XI	1,030,538.00	1,000,000	0.23	5.35917	7/15/2029
MML DYNAMIC BOND FUND	FIXED INCOME	CLNS TRUST	190,653.39	190,000	0.04	5.93185	6/11/2032
MML DYNAMIC BOND FUND	FIXED INCOME	CLNS TRUST	190,415.06	190,000	0.04	4.93185	6/11/2032
MML DYNAMIC BOND FUND	FIXED INCOME	TCI CENT CLO 2017 1 LTD.	508,975.50	500,000	0.11	5.01742	7/25/2030
MML DYNAMIC BOND FUND	FIXED INCOME	CREDIT SUISSE MORTGAGE TRUST	285,178.27	285,000	0.06	3.37703	7/15/2032
MML DYNAMIC BOND FUND	FIXED INCOME	VENTURE CDO LTD	1,001,904.00	1,000,000	0.22	2.95917	7/15/2026
MML DYNAMIC BOND FUND	FIXED INCOME	CREDIT SUISSE MORTGAGE TRUST	285,717.40	285,000	0.06	4.77703	7/15/2032
MML DYNAMIC BOND FUND	FIXED INCOME	SOCIAL PROFESSIONAL LOAN PROGR	340,004.70	350,000	0.08	3.61	9/25/2040
MML DYNAMIC BOND FUND	FIXED INCOME	DBS GROUP HOLDINGS LTD	703,748.98	700,000	0.16	1.98742	7/25/2022
MML DYNAMIC BOND FUND	FIXED INCOME	JPMBB COMMERCIAL MORTGAGE SECU	544,178.46	527,000	0.12	4.61809	12/15/2048
MML DYNAMIC BOND FUND	FIXED INCOME	DAE FUNDING LLC	306,125.00	310,000	0.07	5	8/1/2024
MML DYNAMIC BOND FUND	FIXED INCOME	US TREASURY N/B	3,952,656.40	4,000,000	0.88	2.125	7/31/2024
MML DYNAMIC BOND FUND	FIXED INCOME	CROWN CASTLE INTL CORP	573,592.02	575,000	0.13	3.65	9/1/2027
MML DYNAMIC BOND FUND	FIXED INCOME	CHENIERE ENERGY PARTNERS	315,425.00	310,000	0.07	5.25	10/1/2025
MML DYNAMIC BOND FUND	FIXED INCOME	BANISTMO SA	197,500.00	200,000	0.04	3.65	9/19/2022

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML DYNAMIC BOND FUND	FIXED INCOME	VIKING CRUISES LTD	305,250.00	300,000	0.07	5.875	9/15/2027
MML DYNAMIC BOND FUND	FIXED INCOME	DELPHI TECHNOLOGIES PLC	318,937.50	315,000	0.07	5	10/1/2025
MML DYNAMIC BOND FUND	FIXED INCOME	NEXTERA ENERGY OPERATING	308,450.00	310,000	0.07	4.5	9/15/2027
MML DYNAMIC BOND FUND	FIXED INCOME	US TREASURY N/B	5,618,208.13	5,690,000	1.25	2.125	9/30/2024
MML DYNAMIC BOND FUND	FIXED INCOME	CB ESCROW CORP	81,200.00	80,000	0.02	8	10/15/2025
MML DYNAMIC BOND FUND	FIXED INCOME	AVANTOR INC	152,675.00	155,000	0.03	9	10/1/2025
MML DYNAMIC BOND FUND	FIXED INCOME	AVANTOR INC	154,418.75	155,000	0.03	6	10/1/2024
MML DYNAMIC BOND FUND	FIXED INCOME	GREAT WOLF TRUST	286,091.23	286,000	0.06	3.72703	9/15/2034
MML DYNAMIC BOND FUND	FIXED INCOME	CK HUTCH INTL 17 II LTD	198,053.85	200,000	0.04	2.25	9/29/2020
MML DYNAMIC BOND FUND	FIXED INCOME	EQT CORP	571,625.96	575,000	0.13	3.9	10/1/2027
MML DYNAMIC BOND FUND	FIXED INCOME	CAESARS RESORT / FINCO	322,400.00	320,000	0.07	5.25	10/15/2025
MML DYNAMIC BOND FUND	FIXED INCOME	VALEANT PHARMACEUTICALS	325,600.00	320,000	0.07	5.5	11/1/2025
MML DYNAMIC BOND FUND	FIXED INCOME	GILBERT PARK CLO LTD	1,014,494.00	1,000,000	0.22	7.76476	10/15/2030
MML DYNAMIC BOND FUND	FIXED INCOME	PLASTIPAK HOLDINGS INC	158,487.50	155,000	0.04	6.25	10/15/2025
MML DYNAMIC BOND FUND	FIXED INCOME	BEACON ESCROW CORP	311,162.50	310,000	0.07	4.875	11/1/2025
MML DYNAMIC BOND FUND	FIXED INCOME	VINE OIL + GAS LP / FIN	135,800.00	140,000	0.03	8.75	4/15/2023
MML DYNAMIC BOND FUND	FIXED INCOME	US TREASURY N/B	2,991,031.56	3,005,000	0.66	2.25	10/31/2024
MML DYNAMIC BOND FUND	FIXED INCOME	NETFLIX INC	127,400.00	130,000	0.03	4.875	4/15/2028
MML DYNAMIC BOND FUND	FIXED INCOME	JPMBB COMMERCIAL MORTGAGE SECU	236,483.51	5,114,351	0.05	0.96769	11/15/2047
MML DYNAMIC BOND FUND	FIXED INCOME	GS MORTGAGE SECURITIES TRUST	1,251,505.01	1,450,000	0.28	4.50991	11/10/2047
MML DYNAMIC BOND FUND	FIXED INCOME	MORGAN STANLEY BAML TRUST	622,127.42	650,000	0.14	4	12/15/2047
MML DYNAMIC BOND FUND	FIXED INCOME	JPMBB COMMERCIAL MORTGAGE SECU	580,967.20	704,000	0.13	3.84409	2/15/2048
MML DYNAMIC BOND FUND	FIXED INCOME	CSAIL COMMERCIAL MORTGAGE TRUS	443,574.75	9,197,682	0.10	0.94032	4/15/2050
MML DYNAMIC BOND FUND	FIXED INCOME	SYDNEY AIRPORT FINANCE	298,904.59	300,000	0.07	3.375	4/30/2025
MML DYNAMIC BOND FUND	FIXED INCOME	BANCO LATINOAMERICANO SA	151,687.50	150,000	0.03	3.25	5/7/2020
MML DYNAMIC BOND FUND	FIXED INCOME	ONEMAIN FINANCIAL ISSUANCE TRU	89,024.43	89,092	0.02	2.57	7/18/2025
MML DYNAMIC BOND FUND	FIXED INCOME	BLUEMOUNTAIN CLO LTD	1,007,991.00	1,000,000	0.22	4.05389	7/18/2027
MML DYNAMIC BOND FUND	FIXED INCOME	TOWD POINT MORTGAGE TRUST	3,528,673.00	3,552,360	0.78	2.5	11/25/2060
MML DYNAMIC BOND FUND	FIXED INCOME	WASHINGTON MUTUAL MORTGAGE PAS	1,207,626.28	1,541,427	0.27	6.35	5/25/2036
MML DYNAMIC BOND FUND	FIXED INCOME	GOLDENTREE LOAN OPPORTUNITIES	1,013,375.00	1,000,000	0.22	4.71261	7/20/2027
MML DYNAMIC BOND FUND	FIXED INCOME	JPMBB COMMERCIAL MORTGAGE SECU	424,479.14	12,189,270	0.09	0.92647	5/15/2048
MML DYNAMIC BOND FUND	FIXED INCOME	BX TRUST	356,553.34	355,000	0.08	4.62703	7/15/2034
MML DYNAMIC BOND FUND	FIXED INCOME	BX TRUST	216,208.07	216,000	0.05	3.52703	7/15/2034
MML DYNAMIC BOND FUND	FIXED INCOME	SPARC EM SPC PANAMA METR	642,250.00	700,000	0.14	0.01	12/5/2022
MML DYNAMIC BOND FUND	FIXED INCOME	JPMBB COMMERCIAL MORTGAGE SECU	349,456.52	11,007,961	0.08	0.68498	7/15/2048
MML DYNAMIC BOND FUND	FIXED INCOME	WELLS FARGO COMMERCIAL MORTGAG	423,999.49	6,681,798	0.09	1.0947	11/15/2048
MML DYNAMIC BOND FUND	FIXED INCOME	CSAIL COMMERCIAL MORTGAGE TRUS	428,451.50	427,000	0.09	4.58364	11/15/2048
MML DYNAMIC BOND FUND	FIXED INCOME	CASTLELAKE AIRCRAFT SECURITIZA	1,252,707.97	1,246,467	0.28	4.703	12/15/2040
MML DYNAMIC BOND FUND	FIXED INCOME	CITIGROUP COMMERCIAL MORTGAGE	437,722.64	583,000	0.10	2.85	2/10/2049
MML DYNAMIC BOND FUND	FIXED INCOME	MORGAN STANLEY BAML TRUST	496,448.58	475,000	0.11	4.75214	5/15/2049
MML DYNAMIC BOND FUND	FIXED INCOME	BLUEMOUNTAIN CLO LTD	1,015,481.00	1,000,000	0.23	5.51261	1/20/2029
MML DYNAMIC BOND FUND	FIXED INCOME	CD COMMERCIAL MORTGAGE TRUST	523,379.96	5,809,272	0.12	1.32717	5/10/2050
MML DYNAMIC BOND FUND	FIXED INCOME	CSAIL COMMERCIAL MORTGAGE TRUS	533,559.73	6,693,157	0.12	1.25686	6/15/2050
MML DYNAMIC BOND FUND	FIXED INCOME	JP MORGAN CHASE COMMERCIAL MOR	145,013.91	145,000	0.03	2.72703	7/15/2034
MML DYNAMIC BOND FUND	FIXED INCOME	JP MORGAN CHASE COMMERCIAL MOR	136,083.34	136,000	0.03	3.42703	7/15/2034
MML DYNAMIC BOND FUND	FIXED INCOME	JP MORGAN CHASE COMMERCIAL MOR	121,080.76	121,000	0.03	4.42703	7/15/2034
MML DYNAMIC BOND FUND	FIXED INCOME	JP MORGAN CHASE COMMERCIAL MOR	170,164.10	170,000	0.04	5.22703	7/15/2034
MML EQUITY ROTATION FUND	EQUITY	CITIZENS FINANCIAL GROUP	138,534.00	3,300	0.44		
MML EQUITY ROTATION FUND	EQUITY	ZAYO GROUP HOLDINGS INC	143,520.00	3,900	0.46		
MML EQUITY ROTATION FUND	EQUITY	BWX TECHNOLOGIES INC	169,372.00	2,800	0.54		
MML EQUITY ROTATION FUND	EQUITY	TEGNA INC	140,800.00	10,000	0.45		
MML EQUITY ROTATION FUND	EQUITY	ALPHABET INC CL C	52,320.00	50	0.17		

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML EQUITY ROTATION FUND	EQUITY	ZIONS BANCORPORATION	162,656.00	3,200	0.52		
MML EQUITY ROTATION FUND	EQUITY	GOLDMAN SACHS GROUP INC	486,591.60	1,910	1.56		
MML EQUITY ROTATION FUND	EQUITY	CHECK POINT SOFTWARE TECH	145,068.00	1,400	0.47		
MML EQUITY ROTATION FUND	EQUITY	CORNING INC	435,064.00	13,600	1.40		
MML EQUITY ROTATION FUND	EQUITY	VERISIGN INC	217,436.00	1,900	0.70		
MML EQUITY ROTATION FUND	EQUITY	AFLAC INC	158,004.00	1,800	0.51		
MML EQUITY ROTATION FUND	EQUITY	MANPOWERGROUP INC	290,053.00	2,300	0.93		
MML EQUITY ROTATION FUND	EQUITY	SONY CORP SPONSORED ADR	161,820.00	3,600	0.52		
MML EQUITY ROTATION FUND	EQUITY	QUANTA SERVICES INC	211,194.00	5,400	0.68		
MML EQUITY ROTATION FUND	EQUITY	AETNA INC	312,074.70	1,730	1.00		
MML EQUITY ROTATION FUND	EQUITY	JPMORGAN CHASE + CO	769,968.00	7,200	2.47		
MML EQUITY ROTATION FUND	EQUITY	CHEVRON CORP	978,985.80	7,820	3.14		
MML EQUITY ROTATION FUND	EQUITY	3M CO	94,148.00	400	0.30		
MML EQUITY ROTATION FUND	EQUITY	SKYWORKS SOLUTIONS INC	189,900.00	2,000	0.61		
MML EQUITY ROTATION FUND	EQUITY	BROOKLINE BANCORP INC	298,300.00	19,000	0.96		
MML EQUITY ROTATION FUND	EQUITY	BIOGEN INC	216,627.60	680	0.69		
MML EQUITY ROTATION FUND	EQUITY	DOMINO S PIZZA INC	166,284.80	880	0.53		
MML EQUITY ROTATION FUND	EQUITY	CELANESE CORP SERIES A	824,516.00	7,700	2.64		
MML EQUITY ROTATION FUND	EQUITY	HUNTSMAN CORP	838,908.00	25,200	2.69		
MML EQUITY ROTATION FUND	EQUITY	VIACOM INC CLASS B	246,480.00	8,000	0.79		
MML EQUITY ROTATION FUND	EQUITY	BOFI HOLDING INC	155,480.00	5,200	0.50		
MML EQUITY ROTATION FUND	EQUITY	FIDELITY NATIONAL INFO SERV	94,090.00	1,000	0.30		
MML EQUITY ROTATION FUND	EQUITY	KAISER ALUMINUM CORP	170,960.00	1,600	0.55		
MML EQUITY ROTATION FUND	EQUITY	WESTERN UNION CO	161,585.00	8,500	0.52		
MML EQUITY ROTATION FUND	EQUITY	OWENS CORNING	542,446.00	5,900	1.74		
MML EQUITY ROTATION FUND	EQUITY	SPIRIT AEROSYSTEMS HOLD CL A	218,125.00	2,500	0.70		
MML EQUITY ROTATION FUND	EQUITY	AERCAP HOLDINGS NV	105,220.00	2,000	0.34		
MML EQUITY ROTATION FUND	EQUITY	TRAVELERS COS INC/THE	27,128.00	200	0.09		
MML EQUITY ROTATION FUND	EQUITY	DELTA AIR LINES INC	207,200.00	3,700	0.66		
MML EQUITY ROTATION FUND	EQUITY	CONCHO RESOURCES INC	150,220.00	1,000	0.48		
MML EQUITY ROTATION FUND	EQUITY	DANA INC	256,080.00	8,000	0.82		
MML EQUITY ROTATION FUND	EQUITY	VISA INC CLASS A SHARES	68,412.00	600	0.22		
MML EQUITY ROTATION FUND	EQUITY	NETAPP INC	569,796.00	10,300	1.83		
MML EQUITY ROTATION FUND	EQUITY	SCRIPPS NETWORKS INTER CL A	221,988.00	2,600	0.71		
MML EQUITY ROTATION FUND	EQUITY	DISCOVERY COMMUNICATIONS A	239,466.00	10,700	0.77		
MML EQUITY ROTATION FUND	EQUITY	MERCK + CO. INC.	275,723.00	4,900	0.88		
MML EQUITY ROTATION FUND	EQUITY	LEAR CORP	263,223.40	1,490	0.84		
MML EQUITY ROTATION FUND	EQUITY	BERKSHIRE HATHAWAY INC CL B	59,466.00	300	0.19		
MML EQUITY ROTATION FUND	EQUITY	SEAGATE TECHNOLOGY	213,384.00	5,100	0.68		
MML EQUITY ROTATION FUND	EQUITY	NXP SEMICONDUCTORS NV	69,083.10	590	0.22		
MML EQUITY ROTATION FUND	EQUITY	GENERAL MOTORS CO	278,732.00	6,800	0.89		
MML EQUITY ROTATION FUND	EQUITY	TE CONNECTIVITY LTD	560,736.00	5,900	1.80		
MML EQUITY ROTATION FUND	EQUITY	CITIGROUP INC	1,294,734.00	17,400	4.15		
MML EQUITY ROTATION FUND	EQUITY	DEVON ENERGY CORP	248,400.00	6,000	0.80		
MML EQUITY ROTATION FUND	EQUITY	EASTMAN CHEMICAL CO	27,792.00	300	0.09		
MML EQUITY ROTATION FUND	EQUITY	TECK RESOURCES LTD CLS B	214,594.00	8,200	0.69		
MML EQUITY ROTATION FUND	EQUITY	ALPHABET INC CL A	294,952.00	280	0.95		
MML EQUITY ROTATION FUND	EQUITY	BROADCOM LTD	128,450.00	500	0.41		
MML EQUITY ROTATION FUND	EQUITY	ANDEAVOR	331,586.00	2,900	1.06		
MML EQUITY ROTATION FUND	CASH EQUIVALENT	FIXED INC CLEARING CORP.REPO	945,117.22	945,117	3.03	0.54	1/2/2018
MML EQUITY ROTATION FUND	EQUITY	WORLDPAY INC CLASS A	522,205.00	7,100	1.67		
MML EQUITY ROTATION FUND	CASH EQUIVALENT	EURO TIME DEPOSIT (USD)	2,498.26	2,498	0.01	0.000003	1/2/2018

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML EQUITY ROTATION FUND	EQUITY	ARCELORMITTAL NY REGISTERED	505,102.23	15,633	1.62		
MML EQUITY ROTATION FUND	EQUITY	INTUIT INC	214,580.80	1,360	0.69		
MML EQUITY ROTATION FUND	EQUITY	MAGNA INTERNATIONAL INC	300,351.00	5,300	0.96		
MML EQUITY ROTATION FUND	EQUITY	COMERICA INC	729,204.00	8,400	2.34		
MML EQUITY ROTATION FUND	EQUITY	LEGG MASON INC	121,742.00	2,900	0.39		
MML EQUITY ROTATION FUND	EQUITY	AMAZON.COM INC	923,881.30	790	2.96		
MML EQUITY ROTATION FUND	EQUITY	MCKESSON CORP	173,104.50	1,110	0.56		
MML EQUITY ROTATION FUND	EQUITY	SMITH (A.O.) CORP	110,304.00	1,800	0.35		
MML EQUITY ROTATION FUND	EQUITY	APACHE CORP	16,888.00	400	0.05		
MML EQUITY ROTATION FUND	EQUITY	ARCHER DANIELS MIDLAND CO	444,888.00	11,100	1.43		
MML EQUITY ROTATION FUND	EQUITY	GOODYEAR TIRE + RUBBER CO	155,088.00	4,800	0.50		
MML EQUITY ROTATION FUND	EQUITY	LOCKHEED MARTIN CORP	587,521.50	1,830	1.88		
MML EQUITY ROTATION FUND	EQUITY	OCCIDENTAL PETROLEUM CORP	198,882.00	2,700	0.64		
MML EQUITY ROTATION FUND	EQUITY	PULTEGROUP INC	342,475.00	10,300	1.10		
MML EQUITY ROTATION FUND	EQUITY	UNION PACIFIC CORP	26,820.00	200	0.09		
MML EQUITY ROTATION FUND	EQUITY	RELIANCE STEEL + ALUMINUM	180,159.00	2,100	0.58		
MML EQUITY ROTATION FUND	EQUITY	TOLL BROTHERS INC	307,328.00	6,400	0.99		
MML EQUITY ROTATION FUND	EQUITY	TORO CO	156,552.00	2,400	0.50		
MML EQUITY ROTATION FUND	EQUITY	CELGENE CORP	160,714.40	1,540	0.52		
MML EQUITY ROTATION FUND	EQUITY	REGAL BELOIT CORP	390,660.00	5,100	1.25		
MML EQUITY ROTATION FUND	EQUITY	S + T BANCORP INC	179,702.34	4,514	0.58		
MML EQUITY ROTATION FUND	EQUITY	AMGEN INC	363,451.00	2,090	1.17		
MML EQUITY ROTATION FUND	EQUITY	APPLE INC	204,768.30	1,210	0.66		
MML EQUITY ROTATION FUND	EQUITY	CISCO SYSTEMS INC	229,800.00	6,000	0.74		
MML EQUITY ROTATION FUND	EQUITY	EXXON MOBIL CORP	326,196.00	3,900	1.05		
MML EQUITY ROTATION FUND	EQUITY	MICROSOFT CORP	76,986.00	900	0.25		
MML EQUITY ROTATION FUND	EQUITY	MICRON TECHNOLOGY INC	119,248.00	2,900	0.38		
MML EQUITY ROTATION FUND	EQUITY	OMNICOM GROUP	444,263.00	6,100	1.42		
MML EQUITY ROTATION FUND	EQUITY	PFIZER INC	28,976.00	800	0.09		
MML EQUITY ROTATION FUND	EQUITY	PRAXAIR INC	30,936.00	200	0.10		
MML EQUITY ROTATION FUND	EQUITY	WELLS FARGO + CO	30,335.00	500	0.10		
MML EQUITY ROTATION FUND	EQUITY	PNC FINANCIAL SERVICES GROUP	1,454,443.20	10,080	4.66		
MML EQUITY ROTATION FUND	EQUITY	TORCHMARK CORP	63,497.00	700	0.20		
MML EQUITY ROTATION FUND	EQUITY	BANK OF AMERICA CORP	466,416.00	15,800	1.50		
MML EQUITY ROTATION FUND	EQUITY	NUCOR CORP	305,184.00	4,800	0.98		
MML EQUITY ROTATION FUND	EQUITY	CADENCE DESIGN SYS INC	472,566.00	11,300	1.52		
MML EQUITY ROTATION FUND	EQUITY	JOHNSON + JOHNSON	41,916.00	300	0.13		
MML EQUITY ROTATION FUND	EQUITY	STATE STREET CORP	302,591.00	3,100	0.97		
MML EQUITY ROTATION FUND	EQUITY	DEERE + CO	782,550.00	5,000	2.51		
MML EQUITY ROTATION FUND	EQUITY	MARATHON PETROLEUM CORP	171,548.00	2,600	0.55		
MML EQUITY ROTATION FUND	EQUITY	EXPRESS SCRIPTS HOLDING CO	328,416.00	4,400	1.05		
MML EQUITY ROTATION FUND	EQUITY	ROWAN COMPANIES PLC A	109,620.00	7,000	0.35		
MML EQUITY ROTATION FUND	EQUITY	FACEBOOK INC A	548,790.60	3,110	1.76		
MML EQUITY ROTATION FUND	EQUITY	ASML HOLDING NV NY REG SHS	140,794.20	810	0.45		
MML EQUITY ROTATION FUND	EQUITY	EATON CORP PLC	560,971.00	7,100	1.80		
MML EQUITY ROTATION FUND	EQUITY	ABBVIE INC	154,736.00	1,600	0.50		
MML EQUITY ROTATION FUND	EQUITY	NEWS CORP CLASS A	38,904.00	2,400	0.12		
MML EQUITY ROTATION FUND	EQUITY	LEIDOS HOLDINGS INC	135,597.00	2,100	0.43		
MML EQUITY ROTATION FUND	EQUITY	ALIBABA GROUP HOLDING SP ADR	258,645.00	1,500	0.83		
MML SPECIAL SITUATIONS FUND	EQUITY	CHEMOURS CO/THE	519,572.74	10,379	2.14		
MML SPECIAL SITUATIONS FUND	EQUITY	SYNCHRONY FINANCIAL	1,227,798.00	31,800	5.05		
MML SPECIAL SITUATIONS FUND	EQUITY	PAYPAL HOLDINGS INC	1,465,038.00	19,900	6.02		

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML SPECIAL SITUATIONS FUND	EQUITY	LUMENTUM HOLDINGS INC	220,050.00	4,500		0.90	
MML SPECIAL SITUATIONS FUND	EQUITY	MADISON SQUARE GARDEN CO A	634,658.50	3,010		2.61	
MML SPECIAL SITUATIONS FUND	EQUITY	HEWLETT PACKARD ENTERPRISE	324,536.00	22,600		1.33	
MML SPECIAL SITUATIONS FUND	EQUITY	FOUR CORNERS PROPERTY TRUST	264,710.00	10,300		1.09	
MML SPECIAL SITUATIONS FUND	EQUITY	LIBERTY MEDIA COR SIRIUSXM C	222,096.00	5,600		0.91	
MML SPECIAL SITUATIONS FUND	EQUITY	LIBERTY MEDIA COR SIRIUSXM A	222,096.00	5,600		0.91	
MML SPECIAL SITUATIONS FUND	EQUITY	LIBERTY MEDIA CORP LIBERTY C	181,048.00	5,300		0.74	
MML SPECIAL SITUATIONS FUND	EQUITY	INGEVITY CORP	887,922.00	12,600		3.65	
MML SPECIAL SITUATIONS FUND	EQUITY	FORTIVE CORP	1,338,475.00	18,500		5.50	
MML SPECIAL SITUATIONS FUND	EQUITY	ADVANSIX INC	403,872.00	9,600		1.66	
MML SPECIAL SITUATIONS FUND	EQUITY	VERSUM MATERIALS INC	257,380.00	6,800		1.06	
MML SPECIAL SITUATIONS FUND	EQUITY	ADIENT PLC	1,322,160.00	16,800		5.44	
MML SPECIAL SITUATIONS FUND	EQUITY	LAMB WESTON HOLDINGS INC	662,327.85	11,733		2.72	
MML SPECIAL SITUATIONS FUND	EQUITY	ALCOA CORP	436,347.00	8,100		1.79	
MML SPECIAL SITUATIONS FUND	EQUITY	LIBERTY EXPEDIA HOLD A	60,288.80	1,360		0.25	
MML SPECIAL SITUATIONS FUND	EQUITY	DANAHER CORP	324,870.00	3,500		1.34	
MML SPECIAL SITUATIONS FUND	EQUITY	POAGE BANKSHARES INC	112,050.00	5,400		0.46	
MML SPECIAL SITUATIONS FUND	EQUITY	ABBVIE INC	609,273.00	6,300		2.51	
MML SPECIAL SITUATIONS FUND	EQUITY	ZOETIS INC	1,419,188.00	19,700		5.84	
MML SPECIAL SITUATIONS FUND	EQUITY	NEWS CORP CLASS A	94,018.00	5,800		0.39	
MML SPECIAL SITUATIONS FUND	EQUITY	MURPHY USA INC	401,800.00	5,000		1.65	
MML SPECIAL SITUATIONS FUND	EQUITY	GAMING AND LEISURE PROPRTIE	514,300.00	13,900		2.11	
MML SPECIAL SITUATIONS FUND	EQUITY	ALLEGION PLC	676,260.00	8,500		2.78	
MML SPECIAL SITUATIONS FUND	EQUITY	ONE GAS INC	534,798.00	7,300		2.20	
MML SPECIAL SITUATIONS FUND	EQUITY	PENTAIR PLC	165,250.80	2,340		0.68	
MML SPECIAL SITUATIONS FUND	EQUITY	LIBERTY VENTURES SER A	110,649.60	2,040		0.45	
MML SPECIAL SITUATIONS FUND	EQUITY	HILTON GRAND VACATIONS INC	524,375.00	12,500		2.16	
MML SPECIAL SITUATIONS FUND	EQUITY	BIOVERATIV INC	1,418,096.00	26,300		5.83	
MML SPECIAL SITUATIONS FUND	EQUITY	VAREX IMAGING CORP	301,275.00	7,500		1.24	
MML SPECIAL SITUATIONS FUND	EQUITY	DXC TECHNOLOGY CO	367,642.60	3,874		1.51	
MML SPECIAL SITUATIONS FUND	EQUITY	VENATOR MATERIALS PLC	238,896.00	10,800		0.98	
MML SPECIAL SITUATIONS FUND	EQUITY	APTIV PLC	396,919.57	4,679		1.63	
MML SPECIAL SITUATIONS FUND	EQUITY	KEYSIGHT TECHNOLOGIES IN	323,232.00	7,770		1.33	
MML SPECIAL SITUATIONS FUND	EQUITY	HALYARD HEALTH INC	281,698.00	6,100		1.16	
MML SPECIAL SITUATIONS FUND	EQUITY	KIMBALL ELECTRONICS INC	447,380.50	24,514		1.84	
MML SPECIAL SITUATIONS FUND	EQUITY	LIBERTY BROADBAND A	297,675.00	3,500		1.22	
MML SPECIAL SITUATIONS FUND	EQUITY	LIBERTY BROADBAND C	306,576.00	3,600		1.26	
MML SPECIAL SITUATIONS FUND	EQUITY	KLX INC	614,250.00	9,000		2.53	
MML SPECIAL SITUATIONS FUND	EQUITY	CABLE ONE INC	351,675.00	500		1.45	
MML SPECIAL SITUATIONS FUND	EQUITY	WEST PHARMACEUTICAL SERVICES	305,877.00	3,100		1.26	
MML SPECIAL SITUATIONS FUND	EQUITY	OSHKOSH CORP	863,455.00	9,500		3.55	
MML SPECIAL SITUATIONS FUND	CASH	US DOLLAR	(300,478.41)	(300,478)		1.24	0
MML SPECIAL SITUATIONS FUND	EQUITY	AVERY DENNISON CORP	275,664.00	2,400		1.13	
MML SPECIAL SITUATIONS FUND	EQUITY	TRINSEO SA	602,580.00	8,300		2.48	
MML SPECIAL SITUATIONS FUND	EQUITY	RAYONIER ADVANCED MATERIALS	94,070.00	4,600		0.39	
MML SPECIAL SITUATIONS FUND	EQUITY	TIMKENSTEEL CORP	107,849.00	7,100		0.44	
MML SPECIAL SITUATIONS FUND	EQUITY	TOPBUILD CORP	287,812.00	3,800		1.18	
MML TOTAL RETURN BOND FUND	FIXED INCOME	WELLS FARGO MORTGAGE BACKED SE	278,487.54	275,266		0.06	3.58061 1/25/2035
MML TOTAL RETURN BOND FUND	FIXED INCOME	IMPAC CMB TRUST	1,381,327.68	1,437,545		0.28	2.07213 4/25/2035
MML TOTAL RETURN BOND FUND	FIXED INCOME	FNMA POOL AN4431	823,972.96	805,000		0.17	3.22 1/1/2027
MML TOTAL RETURN BOND FUND	FIXED INCOME	MORGAN STANLEY	3,408,531.76	3,395,000		0.70	2.21289 2/14/2020
MML TOTAL RETURN BOND FUND	FIXED INCOME	FREDDIE MAC	1,300,782.05	1,389,080		0.27	1.75 4/15/2053

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML TOTAL RETURN BOND FUND	FIXED INCOME	AIMCO	330,550.44	330,000	0.07	2.46261	7/20/2026
MML TOTAL RETURN BOND FUND	FIXED INCOME	FHLMC MULTIFAMILY STRUCTURED P	1,804,669.84	1,775,000	0.37	3.291	3/25/2027
MML TOTAL RETURN BOND FUND	FIXED INCOME	MORGAN STANLEY	514,095.95	510,000	0.10	2.2925	7/22/2022
MML TOTAL RETURN BOND FUND	FIXED INCOME	GILEAD SCIENCES INC	499,375.00	500,000	0.10	0	9/8/2022
MML TOTAL RETURN BOND FUND	FIXED INCOME	GOLDMAN SACHS GROUP INC	642,401.11	645,000	0.13	3.272	9/29/2025
MML TOTAL RETURN BOND FUND	FIXED INCOME	VENTAS REALTY LIMITED PARTNERS	207,900.00	210,000	0.04	0	8/3/2020
MML TOTAL RETURN BOND FUND	FIXED INCOME	AT+T INC	541,677.14	530,000	0.11	5.15	11/15/2046
MML TOTAL RETURN BOND FUND	FIXED INCOME	BANK OF AMERICA CORP	1,081,770.28	1,079,000	0.22	3.004	12/20/2023
MML TOTAL RETURN BOND FUND	FIXED INCOME	GNMA II POOL MA3597	771,385.42	745,159	0.16	3.5	4/20/2046
MML TOTAL RETURN BOND FUND	FIXED INCOME	GNMA II POOL MA3666	386,966.69	362,564	0.08	5	5/20/2046
MML TOTAL RETURN BOND FUND	FIXED INCOME	GNMA II POOL MA4199	439,376.85	411,670	0.09	5	1/20/2047
MML TOTAL RETURN BOND FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	1,441,831.38	1,442,383	0.29	1.74742	10/25/2024
MML TOTAL RETURN BOND FUND	FIXED INCOME	DOMINION ENERGY INC	996,811.47	1,000,000	0.20	1.875	12/15/2018
MML TOTAL RETURN BOND FUND	FIXED INCOME	FNMA POOL MA2915	1,025,266.89	1,003,895	0.21	3	2/1/2027
MML TOTAL RETURN BOND FUND	FIXED INCOME	FNMA POOL AL6829	1,361,574.97	1,353,192	0.28	2.964	5/1/2027
MML TOTAL RETURN BOND FUND	FIXED INCOME	FNMA POOL AM4236	663,030.64	620,075	0.14	3.94	8/1/2025
MML TOTAL RETURN BOND FUND	FIXED INCOME	FNMA POOL AM4108	397,934.75	374,019	0.08	3.85	8/1/2025
MML TOTAL RETURN BOND FUND	FIXED INCOME	FNMA POOL AM4109	442,702.42	416,097	0.09	3.85	8/1/2025
MML TOTAL RETURN BOND FUND	FIXED INCOME	FNMA POOL AM9623	777,847.73	755,000	0.16	3.34	7/1/2030
MML TOTAL RETURN BOND FUND	FIXED INCOME	FED HM LN PC POOL G60344	2,042,940.12	1,934,216	0.42	4	12/1/2045
MML TOTAL RETURN BOND FUND	FIXED INCOME	FNMA POOL AN1089	685,111.90	690,000	0.14	2.74	3/1/2026
MML TOTAL RETURN BOND FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	1,088,015.83	1,100,000	0.22	1.91742	10/25/2064
MML TOTAL RETURN BOND FUND	FIXED INCOME	BANC OF AMERICA FUNDING CORPOR	1,549,387.73	1,571,474	0.32	2.5	3/25/2040
MML TOTAL RETURN BOND FUND	FIXED INCOME	PROV ST JOSEPH HLTH OBL	818,566.36	845,000	0.17	2.746	10/1/2026
MML TOTAL RETURN BOND FUND	FIXED INCOME	MAGNETITE CLO LTD	1,066,936.64	1,060,000	0.22	2.68917	4/15/2027
MML TOTAL RETURN BOND FUND	FIXED INCOME	CITIGROUP MORTGAGE LOAN TRUST	2,342,796.00	2,400,000	0.48	1.84213	8/25/2036
MML TOTAL RETURN BOND FUND	FIXED INCOME	MASSACHUSETTS ST	645,617.50	550,000	0.13	4.91	5/1/2029
MML TOTAL RETURN BOND FUND	FIXED INCOME	NEW YORK ST DORM AUTH ST PERSO	879,727.50	750,000	0.18	5.289	3/15/2033
MML TOTAL RETURN BOND FUND	FIXED INCOME	JP MORGAN CHASE COMMERCIAL MOR	123,382.67	122,427	0.03	3.6159	11/15/2043
MML TOTAL RETURN BOND FUND	FIXED INCOME	WELLS FARGO COMMERCIAL MORTGAG	522,581.35	500,000	0.11	4.393	11/15/2043
MML TOTAL RETURN BOND FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	1,072,081.89	1,077,174	0.22	2.01742	1/25/2022
MML TOTAL RETURN BOND FUND	FIXED INCOME	FNMA POOL 466919	1,515,585.39	1,451,913	0.31	3.93	1/1/2021
MML TOTAL RETURN BOND FUND	FIXED INCOME	FNMA POOL 468551	1,293,669.72	1,230,000	0.26	3.98	7/1/2021
MML TOTAL RETURN BOND FUND	FIXED INCOME	NAVIENT STUDENT LOAN TRUST	1,099,999.34	1,100,000	0.22	2.15213	4/25/2040
MML TOTAL RETURN BOND FUND	FIXED INCOME	UNITED TECHNOLOGIES CORP	998,470.74	1,000,000	0.20	1.778	5/4/2018
MML TOTAL RETURN BOND FUND	FIXED INCOME	SAXON ASSET SECURITIES TRUST	982,150.66	980,236	0.20	2.0175	5/25/2035
MML TOTAL RETURN BOND FUND	FIXED INCOME	FNMA POOL MA1148	2,658,516.29	2,588,742	0.54	3.5	8/1/2042
MML TOTAL RETURN BOND FUND	FIXED INCOME	CHASE MORTGAGE FINANCE CORPORA	658,045.09	659,491	0.13	3.39365	3/25/2037
MML TOTAL RETURN BOND FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	1,092,348.40	1,100,000	0.22	1.9775	5/26/2026
MML TOTAL RETURN BOND FUND	FIXED INCOME	FNMA POOL AM1402	941,095.17	945,000	0.19	2.42	11/1/2022
MML TOTAL RETURN BOND FUND	FIXED INCOME	FNMA POOL AM0992	813,587.68	820,000	0.17	2.34	11/1/2022
MML TOTAL RETURN BOND FUND	FIXED INCOME	CGRBS COMMERCIAL MORTGAGE TRUS	429,599.44	420,000	0.09	3.369	3/13/2035
MML TOTAL RETURN BOND FUND	FIXED INCOME	MORGAN STANLEY	1,003,266.24	1,000,000	0.20	2.64742	4/25/2018
MML TOTAL RETURN BOND FUND	FIXED INCOME	FNMA POOL AM2808	378,109.73	375,000	0.08	2.7	3/1/2023
MML TOTAL RETURN BOND FUND	FIXED INCOME	FNMA POOL MA1512	390,532.01	375,540	0.08	3.5	7/1/2033
MML TOTAL RETURN BOND FUND	FIXED INCOME	FNMA POOL MA1607	809,350.99	793,907	0.17	3	10/1/2033
MML TOTAL RETURN BOND FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	704,440.97	680,000	0.14	3.61742	10/25/2083
MML TOTAL RETURN BOND FUND	FIXED INCOME	PENNSYLVANIA HIGHER EDUCATION	1,275,560.84	1,272,087	0.26	2.30213	11/25/2042
MML TOTAL RETURN BOND FUND	FIXED INCOME	RBSCF TRUST	341,510.47	330,000	0.07	3.8336	1/13/2032
MML TOTAL RETURN BOND FUND	FIXED INCOME	JPMORGAN CHASE + CO	700,797.94	700,000	0.14	1.91742	4/25/2018
MML TOTAL RETURN BOND FUND	FIXED INCOME	FNMA POOL AM0827	982,251.36	977,706	0.20	2.6	11/1/2022
MML TOTAL RETURN BOND FUND	FIXED INCOME	FORD MOTOR CREDIT CO LLC	500,010.08	500,000	0.10	2.145	1/9/2018

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML TOTAL RETURN BOND FUND	FIXED INCOME	MORGAN STANLEY REREMIC TRUST	1,109,993.68	1,150,422	0.23	1.84166	11/26/2046
MML TOTAL RETURN BOND FUND	FIXED INCOME	SFAVE COMMERCIAL MORTGAGE SECU	372,120.40	370,000	0.08	3.872	1/5/2043
MML TOTAL RETURN BOND FUND	FIXED INCOME	FNMA POOL 988578	254,248.31	229,125	0.05	5.5	8/1/2038
MML TOTAL RETURN BOND FUND	FIXED INCOME	NELNET STUDENT LOAN TRUST	1,426,654.42	1,427,920	0.29	1.9175	4/25/2046
MML TOTAL RETURN BOND FUND	FIXED INCOME	FNMA POOL FN0039	838,513.79	819,524	0.17	3.201	9/1/2027
MML TOTAL RETURN BOND FUND	FIXED INCOME	MORGAN STANLEY CAPITAL I TRUST	413,305.92	400,000	0.08	3.727	10/11/2050
MML TOTAL RETURN BOND FUND	FIXED INCOME	KRAFT HEINZ FOODS CO	751,771.40	750,000	0.15	1.82258	8/9/2019
MML TOTAL RETURN BOND FUND	FIXED INCOME	GULFPORT ENERGY CORP	47,235.00	47,000	0.01	6.375	5/15/2025
MML TOTAL RETURN BOND FUND	FIXED INCOME	FRESENIUS MED CARE II	830,042.79	805,000	0.17	6.5	9/15/2018
MML TOTAL RETURN BOND FUND	FIXED INCOME	FNMA POOL AI2733	298,322.32	276,204	0.06	5	5/1/2041
MML TOTAL RETURN BOND FUND	FIXED INCOME	FNMA TBA 30 YR 3	2,145,502.79	2,145,000	0.44	3	1/18/2048
MML TOTAL RETURN BOND FUND	FIXED INCOME	GS MORTGAGE SECURITIES TRUST	381,510.70	370,000	0.08	3.551	4/10/2034
MML TOTAL RETURN BOND FUND	FIXED INCOME	FED HM LN PC POOL G60023	3,024,319.41	2,917,643	0.62	3.5	4/1/2045
MML TOTAL RETURN BOND FUND	FIXED INCOME	NELNET STUDENT LOAN TRUST	1,738,870.26	1,742,809	0.36	1.9275	2/27/2051
MML TOTAL RETURN BOND FUND	FIXED INCOME	CITIGROUP MORTGAGE LOAN TRUST	798,664.97	780,070	0.16	3.63	10/25/2035
MML TOTAL RETURN BOND FUND	FIXED INCOME	BEAR STEARNS ASSET BACKED SECU	946,672.10	946,745	0.19	1.96213	12/25/2035
MML TOTAL RETURN BOND FUND	FIXED INCOME	SLC STUDENT LOAN TRUST	2,184,425.23	2,300,000	0.45	1.74849	9/15/2039
MML TOTAL RETURN BOND FUND	FIXED INCOME	NOMURA ASSET ACCEPTANCE CORPOR	2,249,077.12	2,296,558	0.46	2.62213	2/25/2035
MML TOTAL RETURN BOND FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	169,242.37	184,402	0.03	1.66742	1/25/2041
MML TOTAL RETURN BOND FUND	FIXED INCOME	WELLS FARGO HOME EQUITY TRUST	1,267,310.08	1,262,135	0.26	2.60213	10/25/2034
MML TOTAL RETURN BOND FUND	FIXED INCOME	JERSEY CENTRAL PWR + LT	519,516.19	425,000	0.11	6.4	5/15/2036
MML TOTAL RETURN BOND FUND	FIXED INCOME	CENTERPOINT ENERGY RESOU	751,833.54	595,000	0.15	6.25	2/1/2037
MML TOTAL RETURN BOND FUND	FIXED INCOME	COLLEGIATE FUNDING SERVICES ED	1,424,604.45	1,500,000	0.29	1.88577	3/28/2035
MML TOTAL RETURN BOND FUND	FIXED INCOME	SAXON ASSET SECURITIES TRUST	2,066,257.74	2,564,516	0.42	1.79213	5/25/2047
MML TOTAL RETURN BOND FUND	FIXED INCOME	FNMA POOL 977014	47,540.47	42,783	0.01	5.5	5/1/2038
MML TOTAL RETURN BOND FUND	FIXED INCOME	FNMA POOL 985524	38,192.89	34,419	0.01	5.5	6/1/2038
MML TOTAL RETURN BOND FUND	FIXED INCOME	GNMA II TBA 30 YR 4.5	10,397,758.31	9,910,000	2.12	4.5	1/24/2048
MML TOTAL RETURN BOND FUND	FIXED INCOME	FNMA POOL 995482	198,048.53	178,278	0.04	5.5	1/1/2039
MML TOTAL RETURN BOND FUND	FIXED INCOME	CITIGROUP INC	1,299,986.03	1,200,000	0.27	8.5	5/22/2019
MML TOTAL RETURN BOND FUND	FIXED INCOME	FNMA POOL 931504	118,089.06	109,759	0.02	4.5	7/1/2039
MML TOTAL RETURN BOND FUND	FIXED INCOME	AMAZON.COM INC	645,972.03	645,000	0.13	3.15	8/22/2027
MML TOTAL RETURN BOND FUND	FIXED INCOME	GNMA II POOL MA4722	1,258,012.92	1,174,555	0.26	5	9/20/2047
MML TOTAL RETURN BOND FUND	FIXED INCOME	GNMA II POOL MA4719	616,187.24	595,013	0.13	3.5	9/20/2047
MML TOTAL RETURN BOND FUND	FIXED INCOME	CIGNA CORP	928,212.16	945,000	0.19	3.05	10/15/2027
MML TOTAL RETURN BOND FUND	FIXED INCOME	FED HM LN PC POOL G08791	997,903.24	997,163	0.20	3	12/1/2047
MML TOTAL RETURN BOND FUND	FIXED INCOME	BANK OF AMERICA CORP	858,027.82	860,000	0.18	3.093	10/1/2025
MML TOTAL RETURN BOND FUND	FIXED INCOME	FANNIEMAE ACES	1,070,778.55	1,072,231	0.22	1.70777	9/25/2024
MML TOTAL RETURN BOND FUND	FIXED INCOME	FHLMC MULTIFAMILY STRUCTURED P	861,261.70	859,977	0.18	1.73188	8/25/2024
MML TOTAL RETURN BOND FUND	FUTURE	EURO-BOBL FUTURE MAR18	-	(5,500,000)	0.00	0	3/8/2018
MML TOTAL RETURN BOND FUND	FIXED INCOME	SUNOCO LOGISTICS PARTNER	648,349.06	644,000	0.13	5.4	10/1/2047
MML TOTAL RETURN BOND FUND	FIXED INCOME	DELL INC	542,969.08	543,197	0.11	0	12/31/2018
MML TOTAL RETURN BOND FUND	CASH EQUIVALENT	JAPAN TREASURY DISC BILL	7,455,226.45	840,000,000	1.52	0	1/10/2018
MML TOTAL RETURN BOND FUND	FIXED INCOME	PILGRIM S PRIDE CORP	110,210.00	107,000	0.02	5.875	9/30/2027
MML TOTAL RETURN BOND FUND	FIXED INCOME	SBA COMMUNICATIONS CORP	213,266.25	213,000	0.04	4	10/1/2022
MML TOTAL RETURN BOND FUND	FIXED INCOME	VALEANT PHARMACEUTICALS	126,170.00	124,000	0.03	5.5	11/1/2025
MML TOTAL RETURN BOND FUND	FIXED INCOME	SL GREEN OPERATING PARTN	498,083.72	500,000	0.10	3.25	10/15/2022
MML TOTAL RETURN BOND FUND	FIXED INCOME	NORTHROP GRUMMAN CORP	640,934.91	640,000	0.13	3.25	1/15/2028
MML TOTAL RETURN BOND FUND	CASH EQUIVALENT	TREASURY BILL	9,739,449.68	9,780,000	1.99	0.01	4/19/2018
MML TOTAL RETURN BOND FUND	FIXED INCOME	UNITEDHEALTH GROUP INC	658,072.93	645,000	0.13	3.75	10/15/2047
MML TOTAL RETURN BOND FUND	FIXED INCOME	US TREASURY N/B	9,893,454.44	9,980,000	2.02	2	10/31/2022
MML TOTAL RETURN BOND FUND	FIXED INCOME	GNMA II POOL MA4838	1,135,654.28	1,082,582	0.23	4	11/20/2047
MML TOTAL RETURN BOND FUND	FIXED INCOME	LLOYDS BANKING GROUP PLC	426,315.15	430,000	0.09	2.907	11/7/2023

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML TOTAL RETURN BOND FUND	FIXED INCOME	US TREASURY N/B	10,782,080.59	10,935,000	2.20	2.25	11/15/2027
MML TOTAL RETURN BOND FUND	FIXED INCOME	US TREASURY N/B	21,615,404.15	21,580,000	4.41	2.75	11/15/2047
MML TOTAL RETURN BOND FUND	FIXED INCOME	ORACLE CORP	437,295.06	430,000	0.09	3.25	11/15/2027
MML TOTAL RETURN BOND FUND	FIXED INCOME	ALEXANDRIA REAL ESTATE E	448,504.62	450,000	0.09	3.45	4/30/2025
MML TOTAL RETURN BOND FUND	CASH EQUIVALENT	JAPAN TREASURY DISC BILL	3,018,186.11	340,000,000	0.62	0.01	2/26/2018
MML TOTAL RETURN BOND FUND	FIXED INCOME	TELEFLEX INC	107,914.85	107,000	0.02	4.625	11/15/2027
MML TOTAL RETURN BOND FUND	FIXED INCOME	FED HM LN PC POOL G67706	1,567,069.33	1,516,595	0.32	3.5	12/1/2047
MML TOTAL RETURN BOND FUND	FIXED INCOME	BOSTON PROPERTIES LP	428,630.08	430,000	0.09	3.2	1/15/2025
MML TOTAL RETURN BOND FUND	FIXED INCOME	IHS MARKIT LTD	52,933.75	53,000	0.01	4	3/1/2026
MML TOTAL RETURN BOND FUND	FIXED INCOME	AMERICAN TOWER CORP	428,873.88	430,000	0.09	3	6/15/2023
MML TOTAL RETURN BOND FUND	FIXED INCOME	SERVICE CORP INTL	213,070.20	210,000	0.04	4.625	12/15/2027
MML TOTAL RETURN BOND FUND	FIXED INCOME	ITRON INC	125,468.75	125,000	0.03	5	1/15/2026
MML TOTAL RETURN BOND FUND	CASH EQUIVALENT	JAPAN TREASURY DISC BILL	8,212,185.71	925,000,000	1.68	0	3/26/2018
MML TOTAL RETURN BOND FUND	FIXED INCOME	VOYA CLO LTD	1,000,000.00	1,000,000	0.20	2.23604	7/25/2026
MML TOTAL RETURN BOND FUND	FIXED INCOME	US TREASURY N/B	1,394,398.62	1,395,000	0.28	1.875	12/31/2019
MML TOTAL RETURN BOND FUND	FIXED INCOME	CHENIERE CORP CHRISTI HD	77,580.00	75,000	0.02	5.125	6/30/2027
MML TOTAL RETURN BOND FUND	FIXED INCOME	VALVOLINE INC	212,500.00	200,000	0.04	5.5	7/15/2024
MML TOTAL RETURN BOND FUND	CASH EQUIVALENT	FIXED INC CLEARING CORP.REPO	27,331,719.09	27,331,719	5.58	0.54	1/2/2018
MML TOTAL RETURN BOND FUND	FIXED INCOME	ABBOTT LABORATORIES	687,898.24	600,000	0.14	4.9	11/30/2046
MML TOTAL RETURN BOND FUND	FIXED INCOME	CHARTER COMM OPT LLC/CAP	912,930.49	875,000	0.19	4.464	7/23/2022
MML TOTAL RETURN BOND FUND	FIXED INCOME	CHARTER COMM OPT LLC/CAP	233,185.99	200,000	0.05	6.484	10/23/2045
MML TOTAL RETURN BOND FUND	FIXED INCOME	GNMA II POOL MA4126	2,754,306.51	2,726,931	0.56	3	12/20/2046
MML TOTAL RETURN BOND FUND	FIXED INCOME	GNMA II POOL MA4127	1,466,476.93	1,417,046	0.30	3.5	12/20/2046
MML TOTAL RETURN BOND FUND	FIXED INCOME	WELLS FARGO BANK NA	998,457.52	1,000,000	0.20	2.15	12/6/2019
MML TOTAL RETURN BOND FUND	FIXED INCOME	ALABAMA ECON SETTLEMENT AUTH B	1,011,140.00	1,000,000	0.21	3.163	9/15/2025
MML TOTAL RETURN BOND FUND	FIXED INCOME	CITIGROUP INC	999,895.30	1,000,000	0.20	1.8	2/5/2018
MML TOTAL RETURN BOND FUND	FIXED INCOME	WAMU MORTGAGE PASS THROUGH CER	1,163,011.48	1,189,839	0.24	1.84213	10/25/2045
MML TOTAL RETURN BOND FUND	FIXED INCOME	FED HM LN PC POOL G08747	764,952.06	764,385	0.16	3	2/1/2047
MML TOTAL RETURN BOND FUND	FIXED INCOME	AT+T INC	505,969.73	540,000	0.10	4.5	3/9/2048
MML TOTAL RETURN BOND FUND	FIXED INCOME	PARSLEY ENERGY LLC/FINAN	212,100.00	210,000	0.04	5.375	1/15/2025
MML TOTAL RETURN BOND FUND	FIXED INCOME	EMERA US FINANCE LP	1,063,845.19	1,068,000	0.22	2.15	6/15/2019
MML TOTAL RETURN BOND FUND	FIXED INCOME	ZAYO GROUP LLC/ZAYO CAP	81,600.00	80,000	0.02	5.75	1/15/2027
MML TOTAL RETURN BOND FUND	FIXED INCOME	CCO HLDGS LLC/CAP CORP	167,450.00	170,000	0.03	5.125	5/1/2027
MML TOTAL RETURN BOND FUND	FIXED INCOME	JPMORGAN CHASE + CO	518,125.16	500,000	0.11	3.782	2/1/2028
MML TOTAL RETURN BOND FUND	FIXED INCOME	GNMA II POOL MA4262	1,720,440.73	1,662,450	0.35	3.5	2/20/2047
MML TOTAL RETURN BOND FUND	FIXED INCOME	FED HM LN PC POOL G08757	580,981.26	565,389	0.12	3.5	4/1/2047
MML TOTAL RETURN BOND FUND	FIXED INCOME	MGM GROWTH/MGM FINANCE	106,500.00	100,000	0.02	5.625	5/1/2024
MML TOTAL RETURN BOND FUND	FIXED INCOME	CHANGE HEALTH / FIN INC	210,000.00	210,000	0.04	5.75	3/1/2025
MML TOTAL RETURN BOND FUND	FIXED INCOME	TSY INFL IX N/B	4,512,868.59	4,342,863	0.92	0.875	2/15/2047
MML TOTAL RETURN BOND FUND	FIXED INCOME	BLUE HILL CLO LTD	960,329.28	960,000	0.20	2.53917	1/15/2026
MML TOTAL RETURN BOND FUND	CASH EQUIVALENT	TREASURY BILL	262,460.81	263,000	0.05	0.01	3/1/2018
MML TOTAL RETURN BOND FUND	FIXED INCOME	GOODYEAR TIRE + RUBBER	95,208.75	93,000	0.02	4.875	3/15/2027
MML TOTAL RETURN BOND FUND	FIXED INCOME	CHS/COMMUNITY HEALTH SYS	121,500.00	135,000	0.02	6.25	3/31/2023
MML TOTAL RETURN BOND FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	1,124,373.10	1,125,088	0.23	2.05849	12/15/2027
MML TOTAL RETURN BOND FUND	FIXED INCOME	WELLCARE HEALTH PLANS	128,710.00	122,000	0.03	5.25	4/1/2025
MML TOTAL RETURN BOND FUND	FIXED INCOME	VERIZON COMMUNICATIONS	692,799.69	630,000	0.14	5.25	3/16/2037
MML TOTAL RETURN BOND FUND	FIXED INCOME	GNMA II POOL MA4382	477,250.80	461,164	0.10	3.5	4/20/2047
MML TOTAL RETURN BOND FUND	FIXED INCOME	CHOBANI LLC/FINANCE CORP	56,180.00	53,000	0.01	7.5	4/15/2025
MML TOTAL RETURN BOND FUND	FIXED INCOME	FNMA POOL MA3027	1,341,067.29	1,281,450	0.27	4	6/1/2047
MML TOTAL RETURN BOND FUND	FIXED INCOME	NAVIENT STUDENT LOAN TRUST	1,128,746.85	1,100,000	0.23	2.60213	7/26/2066
MML TOTAL RETURN BOND FUND	FIXED INCOME	TSY INFL IX N/B	2,668,914.00	2,687,842	0.54	0.125	4/15/2022
MML TOTAL RETURN BOND FUND	FIXED INCOME	JPMORGAN CHASE + CO	2,034,692.86	2,000,000	0.42	3.54	5/1/2028

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML TOTAL RETURN BOND FUND	FIXED INCOME	KAISER FOUNDATION HOSPIT	1,000,941.87	1,000,000	0.20	3.15	5/1/2027
MML TOTAL RETURN BOND FUND	FIXED INCOME	FED HM LN PC POOL G67703	2,331,507.85	2,257,094	0.48	3.5	4/1/2047
MML TOTAL RETURN BOND FUND	FIXED INCOME	GNMA II POOL MA4454	1,015,042.91	943,849	0.21	5	5/20/2047
MML TOTAL RETURN BOND FUND	FIXED INCOME	1011778 BC / NEW RED FIN	298,252.50	299,000	0.06	4.25	5/15/2024
MML TOTAL RETURN BOND FUND	FIXED INCOME	CDK GLOBAL INC	62,775.00	62,000	0.01	4.875	6/1/2027
MML TOTAL RETURN BOND FUND	FIXED INCOME	WELLS FARGO + COMPANY	1,901,287.62	1,865,000	0.39	3.584	5/22/2028
MML TOTAL RETURN BOND FUND	FIXED INCOME	TC PIPELINES LP	502,498.12	500,000	0.10	3.9	5/25/2027
MML TOTAL RETURN BOND FUND	FIXED INCOME	NYU HOSPITALS CENTER	431,012.82	400,000	0.09	4.368	7/1/2047
MML TOTAL RETURN BOND FUND	FIXED INCOME	CANADIAN NATL RESOURCES	174,534.38	171,000	0.04	3.85	6/1/2027
MML TOTAL RETURN BOND FUND	FIXED INCOME	SBA COMMUNICATIONS CORP	100,695.00	98,000	0.02	4.875	9/1/2024
MML TOTAL RETURN BOND FUND	FIXED INCOME	TENET HEALTHCARE CORP	198,900.00	204,000	0.04	4.625	7/15/2024
MML TOTAL RETURN BOND FUND	FIXED INCOME	FNMA POOL AS9830	1,319,951.17	1,258,267	0.27	4	6/1/2047
MML TOTAL RETURN BOND FUND	FIXED INCOME	FNMA POOL MA3088	1,898,793.19	1,814,111	0.39	4	8/1/2047
MML TOTAL RETURN BOND FUND	FIXED INCOME	KFC HLD/PIZZA HUT/TACO	214,725.00	210,000	0.04	4.75	6/1/2027
MML TOTAL RETURN BOND FUND	FIXED INCOME	INTELSAT JACKSON HLDG	75,075.00	78,000	0.02	9.75	7/15/2025
MML TOTAL RETURN BOND FUND	FIXED INCOME	FIRST QUALITY FINANCE CO	81,600.00	80,000	0.02	5	7/1/2025
MML TOTAL RETURN BOND FUND	FIXED INCOME	SABINE PASS LIQUEFACTION	505,889.94	500,000	0.10	4.2	3/15/2028
MML TOTAL RETURN BOND FUND	FIXED INCOME	DIAMONDBACK ENERGY INC	84,315.00	84,000	0.02	4.75	11/1/2024
MML TOTAL RETURN BOND FUND	FIXED INCOME	SIRIUS XM RADIO INC	220,550.00	220,000	0.05	3.875	8/1/2022
MML TOTAL RETURN BOND FUND	FIXED INCOME	FNMA POOL AS9972	1,146,310.33	1,092,740	0.23	4	7/1/2047
MML TOTAL RETURN BOND FUND	FIXED INCOME	TSY INFL IX N/B	2,211,639.35	2,223,478	0.45	0.375	7/15/2027
MML TOTAL RETURN BOND FUND	FUTURE	US ULTRA BOND CBT MAR18	-	300,000	0.00	0	3/20/2018
MML TOTAL RETURN BOND FUND	FIXED INCOME	BANK OF AMERICA CORP	514,097.93	515,000	0.10	2.369	7/21/2021
MML TOTAL RETURN BOND FUND	FUTURE	US 2YR NOTE (CBT) MAR18	-	42,400,000	0.02	0	3/29/2018
MML TOTAL RETURN BOND FUND	FUTURE	US 5YR NOTE (CBT) MAR18	-	14,500,000	0.00	0	3/29/2018
MML TOTAL RETURN BOND FUND	FIXED INCOME	ANTERO RESOURCES CORP	127,500.00	125,000	0.03	5	3/1/2025
MML TOTAL RETURN BOND FUND	FIXED INCOME	CROWN CASTLE INTL CORP	618,519.45	625,000	0.13	3.2	9/1/2024
MML TOTAL RETURN BOND FUND	FIXED INCOME	AT+T INC	430,352.74	425,000	0.09	4.9	8/14/2037
MML TOTAL RETURN BOND FUND	FIXED INCOME	DELOS FIN S A R L	595,219.74	591,000	0.12	0	10/6/2023
MML TOTAL RETURN BOND FUND	FIXED INCOME	CCO HLDGS LLC/CAP CORP	123,507.50	127,000	0.03	5	2/1/2028
MML TOTAL RETURN BOND FUND	FIXED INCOME	WEA FINANCE LLC/WESTFIEL	712,257.83	700,000	0.15	3.25	10/5/2020
MML TOTAL RETURN BOND FUND	FIXED INCOME	FED HM LN PC POOL G08677	1,522,193.61	1,453,873	0.31	4	11/1/2045
MML TOTAL RETURN BOND FUND	FIXED INCOME	NEW YORK LIFE GLOBAL FDG	747,395.20	750,000	0.15	1.55	11/2/2018
MML TOTAL RETURN BOND FUND	FIXED INCOME	CENTRAL GARDEN + PET CO	216,787.50	205,000	0.04	6.125	11/15/2023
MML TOTAL RETURN BOND FUND	FIXED INCOME	FIRST DATA CORPORATION	198,548.75	193,000	0.04	5	1/15/2024
MML TOTAL RETURN BOND FUND	FIXED INCOME	US TREASURY N/B	29,799,839.09	30,070,000	6.08	2	11/30/2022
MML TOTAL RETURN BOND FUND	FIXED INCOME	CITIGROUP INC	998,953.89	1,000,000	0.20	2.05	12/7/2018
MML TOTAL RETURN BOND FUND	FIXED INCOME	BALL CORP	362,250.00	350,000	0.07	4.375	12/15/2020
MML TOTAL RETURN BOND FUND	FIXED INCOME	US TREASURY N/B	19,030,125.93	19,110,000	3.89	2.125	12/31/2022
MML TOTAL RETURN BOND FUND	FIXED INCOME	ANHEUSER BUSCH INBEV FIN	695,393.41	600,000	0.14	4.9	2/1/2046
MML TOTAL RETURN BOND FUND	FIXED INCOME	AT+T INC	511,427.92	500,000	0.10	4.125	2/17/2026
MML TOTAL RETURN BOND FUND	FIXED INCOME	SPECTRUM BRANDS INC	89,462.50	85,000	0.02	5.75	7/15/2025
MML TOTAL RETURN BOND FUND	FIXED INCOME	APPLE INC	995,379.45	850,000	0.20	4.65	2/23/2046
MML TOTAL RETURN BOND FUND	FIXED INCOME	COMM MORTGAGE TRUST	347,033.89	340,000	0.07	3.545	2/10/2036
MML TOTAL RETURN BOND FUND	FIXED INCOME	GNMA II POOL MA3521	1,192,113.57	1,151,583	0.24	3.5	3/20/2046
MML TOTAL RETURN BOND FUND	FIXED INCOME	FED HM LN PC POOL G18592	671,521.30	659,086	0.14	3	3/1/2031
MML TOTAL RETURN BOND FUND	FIXED INCOME	FED HM LN PC POOL G08698	2,803,396.01	2,726,707	0.57	3.5	3/1/2046
MML TOTAL RETURN BOND FUND	FIXED INCOME	AT+T INC	163,818.26	160,000	0.03	3.95	1/15/2025
MML TOTAL RETURN BOND FUND	FIXED INCOME	HARBORVIEW MORTGAGE LOAN TRUST	1,964,548.47	2,219,795	0.40	1.695	11/19/2036
MML TOTAL RETURN BOND FUND	FIXED INCOME	FED HM LN PC POOL G08707	1,978,396.42	1,891,293	0.40	4	5/1/2046
MML TOTAL RETURN BOND FUND	FIXED INCOME	GLP CAPITAL LP / FIN II	214,500.00	200,000	0.04	5.375	4/15/2026
MML TOTAL RETURN BOND FUND	FIXED INCOME	WELLS FARGO + COMPANY	466,022.18	475,000	0.10	3	4/22/2026

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML TOTAL RETURN BOND FUND	FIXED INCOME	AMCOR FINANCE USA INC	640,498.69	650,000	0.13	3.625	4/28/2026
MML TOTAL RETURN BOND FUND	FIXED INCOME	GNMA II POOL MA3663	554,701.61	536,004	0.11	3.5	5/20/2046
MML TOTAL RETURN BOND FUND	FIXED INCOME	LEVEL 3 FINANCING INC	45,942.50	46,000	0.01	5.375	1/15/2024
MML TOTAL RETURN BOND FUND	FIXED INCOME	FED HM LN PC POOL G08710	421,653.31	421,078	0.09	3	6/1/2046
MML TOTAL RETURN BOND FUND	FIXED INCOME	FED HM LN PC POOL G08711	1,771,064.00	1,723,663	0.36	3.5	6/1/2046
MML TOTAL RETURN BOND FUND	FIXED INCOME	FED HM LN PC POOL G08716	2,445,676.02	2,380,220	0.50	3.5	8/1/2046
MML TOTAL RETURN BOND FUND	FIXED INCOME	FED HM LN PC POOL G08715	3,219,047.20	3,214,652	0.66	3	8/1/2046
MML TOTAL RETURN BOND FUND	FIXED INCOME	NXP BV/NXP FUNDING LLC	204,000.00	200,000	0.04	4.125	6/1/2021
MML TOTAL RETURN BOND FUND	FIXED INCOME	SOUTHERN CO	748,479.51	750,000	0.15	1.55	7/1/2018
MML TOTAL RETURN BOND FUND	FIXED INCOME	BAXALTA INC	729,682.76	725,000	0.15	2.875	6/23/2020
MML TOTAL RETURN BOND FUND	FIXED INCOME	GNMA II POOL MA3736	1,082,037.63	1,045,565	0.22	3.5	6/20/2046
MML TOTAL RETURN BOND FUND	FIXED INCOME	AETNA INC	477,327.83	485,000	0.10	2.8	6/15/2023
MML TOTAL RETURN BOND FUND	FIXED INCOME	GE CAPITAL INTL FUNDING	844,160.12	780,000	0.17	4.418	11/15/2035
MML TOTAL RETURN BOND FUND	FIXED INCOME	FED HM LN PC POOL G08722	425,080.92	413,704	0.09	3.5	9/1/2046
MML TOTAL RETURN BOND FUND	FIXED INCOME	RAYMOND JAMES FINANCIAL	452,221.75	400,000	0.09	4.95	7/15/2046
MML TOTAL RETURN BOND FUND	FIXED INCOME	TSY INFL IX N/B	3,056,674.98	3,128,342	0.62	0.125	7/15/2026
MML TOTAL RETURN BOND FUND	FIXED INCOME	JPMORGAN CHASE + CO	879,105.18	895,000	0.18	2.95	10/1/2026
MML TOTAL RETURN BOND FUND	FIXED INCOME	TEVA PHARMACEUTICALS NE	534,377.97	550,000	0.11	1.7	7/19/2019
MML TOTAL RETURN BOND FUND	FIXED INCOME	FED HM LN PC POOL G08726	3,081,682.36	3,078,436	0.63	3	10/1/2046
MML TOTAL RETURN BOND FUND	FIXED INCOME	AXALTA COATING SYSTEMS	157,500.00	150,000	0.03	4.875	8/15/2024
MML TOTAL RETURN BOND FUND	FIXED INCOME	GRAPHIC PACKAGING INTERN	207,000.00	200,000	0.04	4.125	8/15/2024
MML TOTAL RETURN BOND FUND	FIXED INCOME	KRAFT HEINZ FOODS CO	516,435.63	500,000	0.11	3.95	7/15/2025
MML TOTAL RETURN BOND FUND	FIXED INCOME	FED HM LN PC POOL G67700	1,637,049.97	1,584,322	0.33	3.5	8/1/2046
MML TOTAL RETURN BOND FUND	FIXED INCOME	GNMA II POOL MA3937	437,143.96	422,409	0.09	3.5	9/20/2046
MML TOTAL RETURN BOND FUND	FIXED INCOME	SIEMENS FINANCIERINGSMAT	527,185.33	550,000	0.11	2	9/15/2023
MML TOTAL RETURN BOND FUND	FIXED INCOME	FED HM LN PC POOL G08732	1,080,995.80	1,079,857	0.22	3	11/1/2046
MML TOTAL RETURN BOND FUND	FIXED INCOME	SOUTHERN CO GAS CAPITAL	96,777.59	100,000	0.02	2.45	10/1/2023
MML TOTAL RETURN BOND FUND	FIXED INCOME	CSC HOLDINGS LLC	204,000.00	200,000	0.04	5.5	4/15/2027
MML TOTAL RETURN BOND FUND	FIXED INCOME	GILEAD SCIENCES INC	473,335.76	445,000	0.10	4.15	3/1/2047
MML TOTAL RETURN BOND FUND	FIXED INCOME	SHIRE ACQ INV IRELAND DA	495,473.26	500,000	0.10	1.9	9/23/2019
MML TOTAL RETURN BOND FUND	FIXED INCOME	FED HM LN PC POOL G18622	998,483.08	999,498	0.20	2.5	12/1/2031
MML TOTAL RETURN BOND FUND	FIXED INCOME	FED HM LN PC POOL G08737	388,015.26	387,606	0.08	3	12/1/2046
MML TOTAL RETURN BOND FUND	FIXED INCOME	GENERAL MOTORS FINL CO	498,529.94	500,000	0.10	2.35	10/4/2019
MML TOTAL RETURN BOND FUND	FIXED INCOME	WELLS FARGO + COMPANY	338,154.05	345,000	0.07	3	10/23/2026
MML TOTAL RETURN BOND FUND	FIXED INCOME	MONDELEZ INTL HLDINGS NE	1,177,754.76	1,195,000	0.24	1.625	10/28/2019
MML TOTAL RETURN BOND FUND	FIXED INCOME	SPRINT SPECTRUM / SPEC I	608,466.80	604,688	0.12	3.36	3/20/2023
MML TOTAL RETURN BOND FUND	FIXED INCOME	FED HM LN PC POOL G08741	2,671,993.54	2,670,012	0.55	3	1/1/2047
MML TOTAL RETURN BOND FUND	FIXED INCOME	FED HM LN PC POOL G08742	1,703,574.81	1,657,854	0.35	3.5	1/1/2047
MML TOTAL RETURN BOND FUND	FIXED INCOME	FED HM LN PC POOL G18626	969,523.79	970,509	0.20	2.5	1/1/2032
MML TOTAL RETURN BOND FUND	FIXED INCOME	FED HM LN PC POOL G18627	1,959,010.52	1,922,734	0.40	3	1/1/2032
MML TOTAL RETURN BOND FUND	FIXED INCOME	CENTENE CORP	263,532.50	259,000	0.05	4.75	1/15/2025
MML TOTAL RETURN BOND FUND	FIXED INCOME	AEP TRANSMISSION CO LLC	856,698.19	855,000	0.17	3.1	12/1/2026
MML TOTAL RETURN BOND FUND	FIXED INCOME	NORTHWEST AIR 2001 1 A1	427,915.92	376,604	0.09	7.041	10/1/2023
MML TOTAL RETURN BOND FUND	FIXED INCOME	FNMA TBA 30 YR 4.5	8,426,137.10	7,920,000	1.72	4.5	1/18/2048
MML TOTAL RETURN BOND FUND	FIXED INCOME	WAMU MORTGAGE PASS THROUGH CER	1,138,304.19	1,153,924	0.23	1.88213	1/25/2045
MML TOTAL RETURN BOND FUND	FIXED INCOME	FIRST HORIZON MORTGAGE PASS TH	1,073,288.29	1,091,318	0.22	3.67301	11/25/2035
MML TOTAL RETURN BOND FUND	FIXED INCOME	KINDER MORGAN ENER PART	567,365.13	567,000	0.12	3.5	9/1/2023
MML TOTAL RETURN BOND FUND	FIXED INCOME	KANSAS CITY POWER + LT	502,281.98	500,000	0.10	3.15	3/15/2023
MML TOTAL RETURN BOND FUND	FIXED INCOME	COMM MORTGAGE TRUST	404,460.15	390,000	0.08	3.4244	3/10/2031
MML TOTAL RETURN BOND FUND	FIXED INCOME	SOFTBANK GROUP CORP	204,306.00	200,000	0.04	4.5	4/15/2020
MML TOTAL RETURN BOND FUND	FIXED INCOME	INDYMAC INDX MORTGAGE LOAN TRU	1,488,881.53	2,260,776	0.30	1.82213	10/25/2036
MML TOTAL RETURN BOND FUND	FIXED INCOME	BERKSHIRE HATHAWAY FIN	558,993.10	500,000	0.11	4.3	5/15/2043

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML TOTAL RETURN BOND FUND	FIXED INCOME	FIRST QUALITY FINANCE CO	132,990.00	132,000	0.03	4.625	5/15/2021
MML TOTAL RETURN BOND FUND	FIXED INCOME	CITIGROUP COMMERCIAL MORTGAGE	345,974.14	340,000	0.07	3.251	5/10/2035
MML TOTAL RETURN BOND FUND	FIXED INCOME	JERSEY CENTRAL PWR + LT	866,238.74	800,000	0.18	4.7	4/1/2024
MML TOTAL RETURN BOND FUND	FIXED INCOME	COMM MORTGAGE TRUST	348,203.83	325,000	0.07	4.353	8/10/2030
MML TOTAL RETURN BOND FUND	FIXED INCOME	VERIZON COMMUNICATIONS	556,321.89	500,000	0.11	5.15	9/15/2023
MML TOTAL RETURN BOND FUND	FIXED INCOME	MIDAMERICAN ENERGY CO	1,681,580.12	1,400,000	0.34	4.8	9/15/2043
MML TOTAL RETURN BOND FUND	FIXED INCOME	TENET HEALTHCARE CORP	26,130.00	26,000	0.01	4.5	4/1/2021
MML TOTAL RETURN BOND FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	712,801.39	700,000	0.15	3.21742	7/25/2073
MML TOTAL RETURN BOND FUND	FIXED INCOME	NOBLE ENERGY INC	154,947.03	140,000	0.03	5.25	11/15/2043
MML TOTAL RETURN BOND FUND	FIXED INCOME	VALEANT PHARMACEUTICALS	97,750.00	100,000	0.02	5.625	12/1/2021
MML TOTAL RETURN BOND FUND	FIXED INCOME	DUKE REALTY LP	1,033,497.82	1,000,000	0.21	3.875	2/15/2021
MML TOTAL RETURN BOND FUND	FIXED INCOME	T MOBILE USA INC	432,637.50	415,000	0.09	6.625	4/1/2023
MML TOTAL RETURN BOND FUND	FIXED INCOME	HCA INC	624,000.00	600,000	0.13	5	3/15/2024
MML TOTAL RETURN BOND FUND	FIXED INCOME	FNMA POOL 469621	1,629,550.72	1,563,109	0.33	3.65	11/1/2021
MML TOTAL RETURN BOND FUND	FIXED INCOME	AT+T INC	751,701.90	760,000	0.15	4.8	6/15/2044
MML TOTAL RETURN BOND FUND	FIXED INCOME	GENERAL MOTORS CO	505,201.17	500,000	0.10	3.5	10/2/2018
MML TOTAL RETURN BOND FUND	FIXED INCOME	HCP INC	511,773.70	500,000	0.10	3.875	8/15/2024
MML TOTAL RETURN BOND FUND	FIXED INCOME	FARMERS EXCHANGE CAP III	1,045,466.00	970,000	0.21	5.454	10/15/2054
MML TOTAL RETURN BOND FUND	FIXED INCOME	US TREASURY N/B	11,173,315.50	11,250,000	2.28	1.5	10/31/2019
MML TOTAL RETURN BOND FUND	FIXED INCOME	FED HM LN PC POOL G07848	2,890,843.20	2,786,355	0.59	3.5	4/1/2044
MML TOTAL RETURN BOND FUND	FIXED INCOME	WALGREENS BOOTS ALLIANCE	408,501.63	400,000	0.08	3.8	11/18/2024
MML TOTAL RETURN BOND FUND	FIXED INCOME	WALGREENS BOOTS ALLIANCE	296,077.49	275,000	0.06	4.8	11/18/2044
MML TOTAL RETURN BOND FUND	FIXED INCOME	VENTAS REALTY LP	1,511,164.07	1,500,000	0.31	3.5	2/1/2025
MML TOTAL RETURN BOND FUND	FIXED INCOME	FNMA POOL 466960	1,162,927.74	1,116,422	0.24	3.89	12/1/2020
MML TOTAL RETURN BOND FUND	FIXED INCOME	VALEANT PHARMACEUTICALS	366,000.00	400,000	0.07	5.5	3/1/2023
MML TOTAL RETURN BOND FUND	FIXED INCOME	FNMA POOL AB4262	847,376.52	814,846	0.17	3.5	1/1/2032
MML TOTAL RETURN BOND FUND	FIXED INCOME	NOMURA RESECURITIZATION TRUST	560,696.57	568,318	0.11	1.54414	5/26/2047
MML TOTAL RETURN BOND FUND	FIXED INCOME	MICROSOFT CORP	668,969.45	635,000	0.14	3.75	2/12/2045
MML TOTAL RETURN BOND FUND	FIXED INCOME	WILLIAMS PARTNERS LP	698,648.10	683,000	0.14	3.6	3/15/2022
MML TOTAL RETURN BOND FUND	FIXED INCOME	ALLERGAN FUNDING SCS	865,339.73	850,000	0.18	3.8	3/15/2025
MML TOTAL RETURN BOND FUND	FIXED INCOME	ALLERGAN FUNDING SCS	500,396.05	500,000	0.10	2.35	3/12/2018
MML TOTAL RETURN BOND FUND	FIXED INCOME	BURLINGTN NORTH SANTA FE	287,973.62	265,000	0.06	4.15	4/1/2045
MML TOTAL RETURN BOND FUND	FIXED INCOME	ENERGY TRANSFER LP	388,938.72	400,000	0.08	5.15	3/15/2045
MML TOTAL RETURN BOND FUND	FIXED INCOME	VERIZON COMMUNICATIONS	624,973.84	600,000	0.13	4.862	8/21/2046
MML TOTAL RETURN BOND FUND	FIXED INCOME	VALEANT PHARMACEUTICALS	91,500.00	100,000	0.02	6.125	4/15/2025
MML TOTAL RETURN BOND FUND	FIXED INCOME	VIRGIN MEDIA SECURED FIN	202,000.00	200,000	0.04	5.25	1/15/2026
MML TOTAL RETURN BOND FUND	FIXED INCOME	DAVITA INC	87,973.60	88,000	0.02	5	5/1/2025
MML TOTAL RETURN BOND FUND	FIXED INCOME	AMGEN INC	544,019.29	500,000	0.11	4.4	5/1/2045
MML TOTAL RETURN BOND FUND	FIXED INCOME	ABBVIE INC	514,037.86	500,000	0.10	3.6	5/14/2025
MML TOTAL RETURN BOND FUND	FIXED INCOME	ABBVIE INC	499,755.35	500,000	0.10	1.8	5/14/2018
MML TOTAL RETURN BOND FUND	FIXED INCOME	QUINTILES IMS INC	180,250.00	175,000	0.04	4.875	5/15/2023
MML TOTAL RETURN BOND FUND	FIXED INCOME	SHELL INTERNATIONAL FIN	466,614.70	415,000	0.10	4.375	5/11/2045
MML TOTAL RETURN BOND FUND	FIXED INCOME	WELLTOWER INC	858,257.57	830,000	0.18	4	6/1/2025
MML TOTAL RETURN BOND FUND	FIXED INCOME	ALTICE US FINANCE I CORP	434,562.50	425,000	0.09	5.375	7/15/2023
MML TOTAL RETURN BOND FUND	FIXED INCOME	BAT INTL FINANCE PLC	749,361.93	750,000	0.15	1.85	6/15/2018
MML TOTAL RETURN BOND FUND	FIXED INCOME	FNMA POOL AM9188	774,027.23	780,000	0.16	3.12	6/1/2035
MML TOTAL RETURN BOND FUND	FIXED INCOME	SEALED AIR CORP	207,100.00	190,000	0.04	5.5	9/15/2025
MML TOTAL RETURN BOND FUND	FIXED INCOME	ACCESS GROUP INC	839,957.22	838,950	0.17	2.25213	7/25/2056
MML TOTAL RETURN BOND FUND	FIXED INCOME	CELGENE CORP	850,942.45	750,000	0.17	5	8/15/2045
MML TOTAL RETURN BOND FUND	FIXED INCOME	LEVEL 3 FINANCING INC	176,312.50	175,000	0.04	5.625	2/1/2023
MML TOTAL RETURN BOND FUND	FIXED INCOME	PLAINS ALL AMER PIPELINE	618,294.92	600,000	0.13	4.65	10/15/2025
MML TOTAL RETURN BOND FUND	FIXED INCOME	VERIZON COMMUNICATIONS	590,788.73	600,000	0.12	4.522	9/15/2048

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML TOTAL RETURN BOND FUND	FIXED INCOME	GILEAD SCIENCES INC	544,634.78	525,000	0.11	3.65	3/1/2026
MML TOTAL RETURN BOND FUND	FIXED INCOME	WELLS FARGO + COMPANY	744,187.48	725,000	0.15	3.55	9/29/2025
MML TOTAL RETURN BOND FUND	FIXED INCOME	INDYMAC INDX MORTGAGE LOAN TRU	1,148,141.37	1,316,173	0.23	3.32564	10/25/2035
MML TOTAL RETURN BOND FUND	FIXED INCOME	FIRST FRANKLIN MTG LOAN ASSET	579,801.40	578,324	0.12	2.02213	7/25/2035
MML TOTAL RETURN BOND FUND	FIXED INCOME	WASHINGTON MUTUAL MORTGAGE PAS	1,160,607.27	1,205,731	0.24	5.75	2/25/2036
MML TOTAL RETURN BOND FUND	FIXED INCOME	FHLMC TBA 30 YR 3.5	1,217,217.19	1,185,000	0.25	3.5	1/18/2048
MML TOTAL RETURN BOND FUND	FIXED INCOME	GNMA II TBA 30 YR 3.5	2,171,859.48	2,100,000	0.44	3.5	1/24/2048
MML TOTAL RETURN BOND FUND	FIXED INCOME	DISH DBS CORP	73,500.00	70,000	0.02	6.75	6/1/2021
MML TOTAL RETURN BOND FUND	FIXED INCOME	SPRINT COMMUNICATIONS	155,784.80	148,000	0.03	9	11/15/2018
MML TOTAL RETURN BOND FUND	FIXED INCOME	QEP RESOURCES INC	39,877.50	39,000	0.01	5.375	10/1/2022
MML TOTAL RETURN BOND FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	1,291,020.93	1,286,328	0.26	2.0275	1/25/2029
MML TOTAL RETURN BOND FUND	FIXED INCOME	7 WTC DEPOSITOR LLC TRUST	47,520.74	47,468	0.01	4.0824	3/13/2031
MML TOTAL RETURN BOND FUND	FIXED INCOME	WELLTOWER INC	763,362.54	750,000	0.16	4.125	4/1/2019
MML TOTAL RETURN BOND FUND	FIXED INCOME	CONSTELLATION BRANDS INC	365,278.46	325,000	0.07	6	5/1/2022
MML TOTAL RETURN BOND FUND	FIXED INCOME	ANTHEM INC	504,417.19	500,000	0.10	3.125	5/15/2022
MML TOTAL RETURN BOND FUND	FIXED INCOME	BERKSHIRE HATHAWAY FIN	845,153.83	750,000	0.17	4.4	5/15/2042
MML TOTAL RETURN BOND FUND	FIXED INCOME	LG+E AND KU ENERGY LLC	1,268,179.82	1,200,000	0.26	4.375	10/1/2021
MML TOTAL RETURN BOND FUND	FIXED INCOME	GS MORTGAGE SECURITIES TRUST	211,389.36	210,000	0.04	2.933	6/5/2031
MML TOTAL RETURN BOND FUND	FIXED INCOME	FNMA POOL AM0359	496,071.30	500,000	0.10	2.31	8/1/2022
MML TOTAL RETURN BOND FUND	FIXED INCOME	QEP RESOURCES INC	39,462.54	39,000	0.01	5.25	5/1/2023
MML TOTAL RETURN BOND FUND	FIXED INCOME	ANTHEM INC	537,772.91	530,000	0.11	3.3	1/15/2023
MML TOTAL RETURN BOND FUND	FIXED INCOME	DUKE ENERGY CAROLINAS	1,066,908.25	1,000,000	0.22	4	9/30/2042
MML TOTAL RETURN BOND FUND	FIXED INCOME	REALTY INCOME CORP	749,932.58	750,000	0.15	2	1/31/2018
MML TOTAL RETURN BOND FUND	FIXED INCOME	MORGAN STANLEY BAML TRUST	1,788,137.09	1,780,000	0.37	2.858	11/15/2045
MML TOTAL RETURN BOND FUND	FIXED INCOME	DISH DBS CORP	100,500.00	100,000	0.02	5.875	7/15/2022
MML TOTAL RETURN BOND FUND	FIXED INCOME	BANC OF AMERICA MERRILL LYNCH	379,245.86	375,000	0.08	2.959	12/10/2030
MML TOTAL RETURN BOND FUND	FIXED INCOME	ROCKIES EXPRESS PIPELINE	77,062.50	75,000	0.02	6	1/15/2019
MML TOTAL RETURN BOND FUND	FIXED INCOME	GOLDMAN SACHS GROUP INC	1,000,204.47	1,000,000	0.20	2.375	1/22/2018
MML TOTAL RETURN BOND FUND	FIXED INCOME	REYNOLDS GRP ISS/REYNOLD	403,294.18	397,334	0.08	5.75	10/15/2020
MML TOTAL RETURN BOND FUND	FIXED INCOME	DISCOVER BANK	1,500,104.06	1,500,000	0.31	2	2/21/2018
MML TOTAL RETURN BOND FUND	FIXED INCOME	FNMA POOL 986268	1,752.54	1,616	0.00	5	7/1/2038
MML TOTAL RETURN BOND FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	1,240,989.17	1,213,024	0.25	2.86742	4/25/2023
MML TOTAL RETURN BOND FUND	FIXED INCOME	FNMA TBA 30 YR 4	303,321.88	290,000	0.06	4	1/18/2048
MML TOTAL RETURN BOND FUND	FIXED INCOME	GOLDMAN SACHS GROUP INC	1,056,835.40	1,000,000	0.22	7.5	2/15/2019
MML TOTAL RETURN BOND FUND	FIXED INCOME	FLORIDA GAS TRANSMISSION	1,070,774.40	1,000,000	0.22	7.9	5/15/2019
MML TOTAL RETURN BOND FUND	FIXED INCOME	NEW YORK NY	876,757.50	750,000	0.18	5.206	10/1/2031
MML TOTAL RETURN BOND FUND	FIXED INCOME	LOS ANGELES CA UNIF SCH DIST	1,223,850.00	1,000,000	0.25	5.755	7/1/2029
MML TOTAL RETURN BOND FUND	FIXED INCOME	CONTL AIRLINES 2009 2	1,773,031.43	1,644,551	0.36	7.25	5/10/2021
MML TOTAL RETURN BOND FUND	FIXED INCOME	GNMA II TBA 30 YR 4	1,058,296.04	1,015,000	0.22	4	1/24/2048
MML TOTAL RETURN BOND FUND	FIXED INCOME	ROCKIES EXPRESS PIPELINE	162,362.50	155,000	0.03	5.625	4/15/2020
MML TOTAL RETURN BOND FUND	FIXED INCOME	CALIFORNIA ST	949,212.00	850,000	0.19	7.95	3/1/2036
MML TOTAL RETURN BOND FUND	FIXED INCOME	L3 TECHNOLOGIES INC	785,561.69	750,000	0.16	5.2	10/15/2019
MML TOTAL RETURN BOND FUND	FIXED INCOME	FNMA POOL AD6374	37,069.45	34,247	0.01	5	5/1/2040
MML TOTAL RETURN BOND FUND	FIXED INCOME	CSC HOLDINGS LLC	105,500.00	100,000	0.02	8.625	2/15/2019
MML TOTAL RETURN BOND FUND	FIXED INCOME	MORGAN STANLEY	268,045.13	250,000	0.05	5.5	7/24/2020
MML TOTAL RETURN BOND FUND	FIXED INCOME	INTL LEASE FINANCE CORP	1,031,868.42	1,000,000	0.21	7.125	9/1/2018
MML TOTAL RETURN BOND FUND	FIXED INCOME	DUQUESNE LIGHT HOLDINGS	1,093,541.23	1,000,000	0.22	6.4	9/15/2020
MML TOTAL RETURN BOND FUND	FIXED INCOME	GNMA II TBA 30 YR 3	2,467,539.97	2,445,000	0.50	3	1/24/2048
MML TOTAL RETURN BOND FUND	FIXED INCOME	FNMA TBA 30 YR 3.5	9,613,743.98	9,360,000	1.96	3.5	1/18/2048
MML TOTAL RETURN BOND FUND	FIXED INCOME	AMERICAN HOME MORTGAGE INVESTM	1,859,830.34	1,829,294	0.38	3.56078	6/25/2045
MML TOTAL RETURN BOND FUND	FIXED INCOME	WELLS FARGO MORTGAGE BACKED SE	1,109,598.40	1,096,708	0.23	3.61206	4/25/2036
MML TOTAL RETURN BOND FUND	FIXED INCOME	COUNTRYWIDE ASSET BACKED CERTI	1,271,890.76	1,324,034	0.26	4.80391	10/25/2046

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML TOTAL RETURN BOND FUND	FIXED INCOME	JPMORGAN CHASE + CO	1,001,390.89	1,000,000	0.20	6	1/15/2018
MML TOTAL RETURN BOND FUND	FIXED INCOME	GENERAL ELECTRIC CO	315,537.50	244,000	0.06	5.875	1/14/2038
MML TOTAL RETURN BOND FUND	FIXED INCOME	GOLDMAN SACHS GROUP INC	2,103,311.57	2,100,000	0.43	5.95	1/18/2018
MML TOTAL RETURN BOND FUND	FIXED INCOME	GOLDMAN SACHS GROUP INC	1,879,575.48	1,860,000	0.38	6.15	4/1/2018
MML TOTAL RETURN BOND FUND	FIXED INCOME	MORGAN STANLEY	904,805.19	895,000	0.18	6.625	4/1/2018
MML TOTAL RETURN BOND FUND	FIXED INCOME	BANK OF AMERICA CORP	5,025,622.24	4,950,000	1.03	6.875	4/25/2018
MML TOTAL RETURN BOND FUND	FIXED INCOME	BANK OF AMERICA CORP	505,966.70	500,000	0.10	5.65	5/1/2018
MML TOTAL RETURN BOND FUND	FIXED INCOME	CITIGROUP INC	2,761,215.59	2,720,000	0.56	6.125	5/15/2018
MML TOTAL RETURN BOND FUND	FIXED INCOME	HBOS PLC	1,118,649.46	1,100,000	0.23	6.75	5/21/2018
MML TOTAL RETURN BOND FUND	CASH	POUND STERLING	(0.01)	(0)	0.00	0	
MML TOTAL RETURN BOND FUND	CASH	MEXICAN PESO (NEW)	(0.02)	(0)	0.00	0	
MML TOTAL RETURN BOND FUND	CASH	US DOLLAR	124,586.16	124,586	0.03	0	
MML TOTAL RETURN BOND FUND	CASH	EURO CURRENCY	(41.96)	(35)	0.00	0	
MML TOTAL RETURN BOND FUND	FIXED INCOME	BANK OF AMERICA CORP	781,045.65	750,000	0.16	6.875	11/15/2018
MML SHORT-DURATION BOND FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	50,000.00	50,000	0.02	0.5	6/17/2030
MML SHORT-DURATION BOND FUND	FIXED INCOME	MERRILL LYNCH MORTGAGE INVESTO	954.83	980	0.00	3.52457	2/25/2034
MML SHORT-DURATION BOND FUND	FIXED INCOME	OPTION ONE MORTGAGE LOAN TRUST	39,236.92	39,220	0.02	1.76213	12/25/2035
MML SHORT-DURATION BOND FUND	FIXED INCOME	JP MORGAN MORTGAGE ACQUISITION	16,102.72	16,100	0.01	1.77213	10/25/2035
MML SHORT-DURATION BOND FUND	FIXED INCOME	MORGAN STANLEY MORTGAGE LOAN T	46.81	44	0.00	3.49997	2/25/2034
MML SHORT-DURATION BOND FUND	FIXED INCOME	SLC STUDENT LOAN TRUST	376,495.41	408,657	0.15	1.61586	2/15/2045
MML SHORT-DURATION BOND FUND	FIXED INCOME	LONG BEACH MORTGAGE LOAN TRUST	89,969.12	89,897	0.04	2.37713	6/25/2035
MML SHORT-DURATION BOND FUND	FIXED INCOME	RAAC SERIES	49,998.09	50,107	0.02	1.80213	2/25/2037
MML SHORT-DURATION BOND FUND	FIXED INCOME	GCCFC COMMERCIAL MORTGAGE TRUS	166,896.83	165,250	0.07	5.76666	7/10/2038
MML SHORT-DURATION BOND FUND	FIXED INCOME	ACCESS GROUP INC	98.69	99	0.00	1.62742	4/25/2029
MML SHORT-DURATION BOND FUND	FIXED INCOME	ACE SECURITIES CORP.	53,266.57	52,866	0.02	2.28713	8/25/2035
MML SHORT-DURATION BOND FUND	FIXED INCOME	COUNTRYWIDE HOME LOANS	1,292.03	1,387	0.00	3.88685	9/25/2033
MML SHORT-DURATION BOND FUND	FIXED INCOME	GSR MORTGAGE LOAN TRUST	1,457.30	1,447	0.00	3.59628	8/25/2034
MML SHORT-DURATION BOND FUND	FIXED INCOME	MORGAN STANLEY CAPITAL INC	32,877.81	32,381	0.01	2.49713	4/25/2035
MML SHORT-DURATION BOND FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	149,575.58	150,000	0.06	1.66742	7/25/2025
MML SHORT-DURATION BOND FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	278,932.39	280,000	0.11	1.50742	10/25/2028
MML SHORT-DURATION BOND FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	179,729.21	198,239	0.07	1.67742	1/25/2055
MML SHORT-DURATION BOND FUND	FIXED INCOME	KEYCORP STUDENT LOAN TRUST	91,367.92	91,718	0.04	1.98464	9/27/2035
MML SHORT-DURATION BOND FUND	FIXED INCOME	SLC STUDENT LOAN TRUST	14,659.39	14,659	0.01	1.52917	7/15/2036
MML SHORT-DURATION BOND FUND	FIXED INCOME	EXPEDIA INC	1,184,014.34	1,148,000	0.48	7.456	8/15/2018
MML SHORT-DURATION BOND FUND	FIXED INCOME	ACCESS GROUP INC	62,844.73	66,659	0.03	2.52	7/1/2038
MML SHORT-DURATION BOND FUND	FIXED INCOME	TIAA SEASONED COMMERCIAL MORTG	25,804.66	25,863	0.01	5.476	8/15/2039
MML SHORT-DURATION BOND FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	114,694.50	120,000	0.05	1.47742	1/26/2043
MML SHORT-DURATION BOND FUND	FIXED INCOME	ACE SECURITIES CORP.	19,793.75	19,804	0.01	2.21213	11/25/2035
MML SHORT-DURATION BOND FUND	FIXED INCOME	MERRILL LYNCH MORTGAGE INVESTO	652.39	634	0.00	3.5875	7/25/2033
MML SHORT-DURATION BOND FUND	FIXED INCOME	WAMU MORTGAGE PASS THROUGH CER	14,631.93	14,525	0.01	2.46289	4/25/2044
MML SHORT-DURATION BOND FUND	FIXED INCOME	COUNTRYWIDE ASSET BACKED CERTI	29,777.98	29,886	0.01	2.01213	9/25/2034
MML SHORT-DURATION BOND FUND	FIXED INCOME	INDYMAC INDX MORTGAGE LOAN TRU	8,858.07	9,088	0.00	3.19023	8/25/2034
MML SHORT-DURATION BOND FUND	FIXED INCOME	GALAXY CLO LTD	475,494.48	475,000	0.19	2.81261	7/20/2027
MML SHORT-DURATION BOND FUND	FIXED INCOME	BLUEMOUNTAIN CLO LTD	477,237.25	475,000	0.19	2.78389	7/18/2027
MML SHORT-DURATION BOND FUND	FIXED INCOME	MVW OWNER TRUST	94,757.72	95,982	0.04	2.15	4/22/2030
MML SHORT-DURATION BOND FUND	FIXED INCOME	CNH INDUSTRIAL CAPITAL L	100,518.00	100,000	0.04	3.625	4/15/2018
MML SHORT-DURATION BOND FUND	FIXED INCOME	HILTON GRAND VACATIONS TRUST	103,878.56	104,600	0.04	2.28	1/25/2026
MML SHORT-DURATION BOND FUND	FIXED INCOME	ALLY FINANCIAL INC	931,500.00	920,000	0.38	4.75	9/10/2018
MML SHORT-DURATION BOND FUND	FIXED INCOME	LAZARD GROUP LLC	692,650.21	665,000	0.28	4.25	11/14/2020
MML SHORT-DURATION BOND FUND	FIXED INCOME	DIAMOND RESORTS OWNER TRUST	91,283.18	91,534	0.04	2.27	5/20/2026
MML SHORT-DURATION BOND FUND	FIXED INCOME	COCA COLA FEMSA SAB CV	493,189.54	492,000	0.20	2.375	11/26/2018
MML SHORT-DURATION BOND FUND	FIXED INCOME	DDR CORP	213,177.23	210,000	0.09	3.5	1/15/2021

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML SHORT-DURATION BOND FUND	FIXED INCOME	COMM MORTGAGE TRUST	291,785.04	290,000	0.12	3.147	2/10/2047
MML SHORT-DURATION BOND FUND	FIXED INCOME	HYUNDAI CAPITAL AMERICA	139,753.84	140,000	0.06	2.55	2/6/2019
MML SHORT-DURATION BOND FUND	FIXED INCOME	HCA INC	1,139,887.50	1,130,000	0.46	3.75	3/15/2019
MML SHORT-DURATION BOND FUND	FIXED INCOME	LEAR CORP	1,184,676.76	1,120,000	0.48	5.375	3/15/2024
MML SHORT-DURATION BOND FUND	FIXED INCOME	AMERICREDIT AUTOMOBILE RECEIVA	210,509.99	210,000	0.08	2.54	6/8/2020
MML SHORT-DURATION BOND FUND	FIXED INCOME	321 HENDERSON RECEIVABLES LLC	82,907.98	84,744	0.03	1.67703	3/15/2041
MML SHORT-DURATION BOND FUND	FIXED INCOME	TURKIYE GARANTI BANKASI	375,557.40	370,000	0.15	4.75	10/17/2019
MML SHORT-DURATION BOND FUND	FIXED INCOME	ELEMENT RAIL LEASING LLC	120,414.13	120,693	0.05	2.299	4/19/2044
MML SHORT-DURATION BOND FUND	FIXED INCOME	TAL ADVANTAGE LLC	29,832.44	29,884	0.01	1.7	5/20/2039
MML SHORT-DURATION BOND FUND	FIXED INCOME	HILTON GRAND VACATIONS TRUST	125,392.27	127,531	0.05	1.77	11/25/2026
MML SHORT-DURATION BOND FUND	FIXED INCOME	QVC INC	579,153.25	577,000	0.23	3.125	4/1/2019
MML SHORT-DURATION BOND FUND	FIXED INCOME	PENSKE TRUCK LEASING/PTL	370,715.11	370,000	0.15	2.5	6/15/2019
MML SHORT-DURATION BOND FUND	FIXED INCOME	DRUG ROYALTY II LP 1	109,000.28	108,072	0.04	4.15361	7/15/2023
MML SHORT-DURATION BOND FUND	FIXED INCOME	GNMA POOL 371146	298.55	274	0.00	7	9/15/2023
MML SHORT-DURATION BOND FUND	FIXED INCOME	FNMA POOL 536386	101.78	87	0.00	7.5	4/1/2030
MML SHORT-DURATION BOND FUND	FIXED INCOME	SPRINT COMMUNICATIONS	584,325.00	490,000	0.24	9.25	4/15/2022
MML SHORT-DURATION BOND FUND	FIXED INCOME	GNMA II POOL 080136	186.60	183	0.00	2.25	11/20/2027
MML SHORT-DURATION BOND FUND	FIXED INCOME	FNMA POOL 531196	79.52	68	0.00	7.5	2/1/2030
MML SHORT-DURATION BOND FUND	FIXED INCOME	FNMA POOL 530299	81.34	72	0.00	7.5	3/1/2030
MML SHORT-DURATION BOND FUND	CASH	US DOLLAR	(236,270.90)	(236,271)	0.10	0	
MML SHORT-DURATION BOND FUND	CASH	EURO CURRENCY	5.66	5	0.00	0	
MML SHORT-DURATION BOND FUND	FIXED INCOME	HIGHWOODS REALTY LP	25,378.31	25,000	0.01	7.5	4/15/2018
MML SHORT-DURATION BOND FUND	FIXED INCOME	FNMA POOL 253481	19.35	16	0.00	8	10/1/2030
MML SHORT-DURATION BOND FUND	FIXED INCOME	FED HM LN PC POOL C01079	444.60	381	0.00	7.5	10/1/2031
MML SHORT-DURATION BOND FUND	FIXED INCOME	FED HM LN PC POOL C01135	1,271.43	1,092	0.00	7.5	2/1/2031
MML SHORT-DURATION BOND FUND	FIXED INCOME	FNMA POOL 535996	1,651.02	1,415	0.00	7.5	6/1/2031
MML SHORT-DURATION BOND FUND	FIXED INCOME	FNMA POOL 602008	997.11	846	0.00	8	8/1/2031
MML SHORT-DURATION BOND FUND	FIXED INCOME	FNMA POOL 190317	846.03	718	0.00	8	8/1/2031
MML SHORT-DURATION BOND FUND	FIXED INCOME	FNMA POOL 596656	304.85	289	0.00	8	8/1/2031
MML SHORT-DURATION BOND FUND	FIXED INCOME	PENSKE TRUCK LEASING/PTL	152,775.81	150,000	0.06	3.3	4/1/2021
MML SHORT-DURATION BOND FUND	FIXED INCOME	ARBYS FUNDING LLC	300,271.23	294,000	0.12	4.969	10/30/2045
MML SHORT-DURATION BOND FUND	FIXED INCOME	DIAMOND RESORTS OWNER TRUST	103,359.77	104,354	0.04	2.99	5/22/2028
MML SHORT-DURATION BOND FUND	FIXED INCOME	BLUE VIRGO	323,311.20	322,595	0.13	3	12/15/2022
MML SHORT-DURATION BOND FUND	FIXED INCOME	DIAMOND RESORTS OWNER TRUST	70,000.95	70,509	0.03	3.54	5/22/2028
MML SHORT-DURATION BOND FUND	FIXED INCOME	AMEREN CORP	556,831.03	555,000	0.22	2.7	11/15/2020
MML SHORT-DURATION BOND FUND	FIXED INCOME	WESTGATE RESORTS	201,880.06	202,233	0.08	3.2	7/20/2028
MML SHORT-DURATION BOND FUND	FIXED INCOME	BUNGE LTD FINANCE CORP	1,204,616.62	1,180,000	0.49	3.5	11/24/2020
MML SHORT-DURATION BOND FUND	FIXED INCOME	FNA TRUST	48,689.36	48,969	0.02	3.24	12/10/2023
MML SHORT-DURATION BOND FUND	FIXED INCOME	DRB PRIME STUDENT LOAN TRUST	244,142.66	239,541	0.10	3.25213	1/25/2040
MML SHORT-DURATION BOND FUND	FIXED INCOME	DRB PRIME STUDENT LOAN TRUST	762,324.50	762,966	0.31	3.2	1/25/2040
MML SHORT-DURATION BOND FUND	FIXED INCOME	AMERICAN TOWER CORP	178,208.74	175,000	0.07	3.3	2/15/2021
MML SHORT-DURATION BOND FUND	FIXED INCOME	MACQUARIE BANK LTD	130,679.94	130,000	0.05	2.85	1/15/2021
MML SHORT-DURATION BOND FUND	FIXED INCOME	DT AUTO OWNER TRUST	12,356.51	12,355	0.00	2.79	5/15/2020
MML SHORT-DURATION BOND FUND	FIXED INCOME	ANHEUSER BUSCH INBEV FIN	713,562.60	710,000	0.29	2.65	2/1/2021
MML SHORT-DURATION BOND FUND	FIXED INCOME	BM1058452 CDS USD R F 3.00000	350,009.25	410,000	0.14	3	5/11/2063
MML SHORT-DURATION BOND FUND	FIXED INCOME	BM1058452 CDS USD P V 01MEVENT	(410,000.00)	(410,000)	0.17	1	5/11/2063
MML SHORT-DURATION BOND FUND	FIXED INCOME	ANZ NEW ZEALAND INTL/LDN	1,289,821.70	1,290,000	0.52	2.25	2/1/2019
MML SHORT-DURATION BOND FUND	FIXED INCOME	CROWN CASTLE INTL CORP	729,164.47	714,000	0.29	3.4	2/15/2021
MML SHORT-DURATION BOND FUND	FIXED INCOME	REGIONS FINANCIAL CORP	1,114,119.11	1,095,000	0.45	3.2	2/8/2021
MML SHORT-DURATION BOND FUND	FIXED INCOME	ENTERPRISE FLEET FINANCING LLC	216,751.70	216,872	0.09	1.83	9/20/2021
MML SHORT-DURATION BOND FUND	FIXED INCOME	FIRST INVESTORS AUTO OWNER TRU	38,818.42	38,822	0.02	1.92	5/15/2020
MML SHORT-DURATION BOND FUND	FIXED INCOME	SANTANDER DRIVE AUTO RECEIVABL	512,565.05	500,000	0.21	4.02	4/15/2022

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML SHORT-DURATION BOND FUND	FIXED INCOME	SANTANDER DRIVE AUTO RECEIVABL	340,431.39	340,000	0.14	2.47	12/15/2020
MML SHORT-DURATION BOND FUND	FIXED INCOME	FS INVESTMENT CORP	369,326.92	365,000	0.15	4	7/15/2019
MML SHORT-DURATION BOND FUND	FIXED INCOME	SIERRA RECEIVABLES FUNDING CO	123,842.68	124,332	0.05	2.05	6/20/2031
MML SHORT-DURATION BOND FUND	FIXED INCOME	GENERAL MOTORS CO	207,132.48	205,000	0.08	3.5	10/2/2018
MML SHORT-DURATION BOND FUND	FIXED INCOME	NELNET STUDENT LOAN TRUST	355,247.88	358,343	0.14	2.20213	11/25/2052
MML SHORT-DURATION BOND FUND	FIXED INCOME	TYSON FOODS INC	60,289.05	60,000	0.02	2.65	8/15/2019
MML SHORT-DURATION BOND FUND	FIXED INCOME	ORANGE LAKE TIMESHARE TRUST	37,370.80	37,899	0.02	2.29	7/9/2029
MML SHORT-DURATION BOND FUND	FIXED INCOME	MIRAMAX LLC	109,561.45	109,472	0.04	3.34	7/20/2026
MML SHORT-DURATION BOND FUND	FIXED INCOME	AMER AIRLN 14 1 B PTT	30,143.71	29,513	0.01	4.375	4/1/2024
MML SHORT-DURATION BOND FUND	FIXED INCOME	SANTANDER DRIVE AUTO RECEIVABL	201,858.74	200,000	0.08	3.1	11/16/2020
MML SHORT-DURATION BOND FUND	FIXED INCOME	WESTGATE RESORTS	98,518.03	99,610	0.04	2.15	12/20/2026
MML SHORT-DURATION BOND FUND	FIXED INCOME	MVW OWNER TRUST	153,208.98	155,812	0.06	2.25	9/22/2031
MML SHORT-DURATION BOND FUND	FIXED INCOME	NATIONS EQUIPMENT FINANCE FUND	2,017.70	2,019	0.00	1.558	7/20/2018
MML SHORT-DURATION BOND FUND	FIXED INCOME	NAVIENT STUDENT LOAN TRUST	260,556.62	261,347	0.11	2.74	2/15/2029
MML SHORT-DURATION BOND FUND	FIXED INCOME	NUVEEN FINANCE LLC	1,166,042.44	1,155,000	0.47	2.95	11/1/2019
MML SHORT-DURATION BOND FUND	FIXED INCOME	GATX CORP	574,854.07	575,000	0.23	2.6	3/30/2020
MML SHORT-DURATION BOND FUND	FIXED INCOME	SIERRA RECEIVABLES FUNDING CO	184,095.17	185,285	0.07	2.3	10/20/2031
MML SHORT-DURATION BOND FUND	FIXED INCOME	KLA TENCOR CORP	142,308.19	140,000	0.06	3.375	11/1/2019
MML SHORT-DURATION BOND FUND	FIXED INCOME	DIAMOND RESORTS OWNER TRUST	39,828.56	39,866	0.02	2.54	5/20/2027
MML SHORT-DURATION BOND FUND	FIXED INCOME	LENNAR CORP	1,157,610.00	1,128,000	0.47	4.5	11/15/2019
MML SHORT-DURATION BOND FUND	FIXED INCOME	ARES CAPITAL CORP	557,681.72	548,000	0.23	3.875	1/15/2020
MML SHORT-DURATION BOND FUND	FIXED INCOME	OXFORD FINANCE FUNDING TRUST	50,976.06	51,260	0.02	3.475	12/15/2022
MML SHORT-DURATION BOND FUND	FIXED INCOME	DONG FANG CONTAINER FINANCE SP	68,324.84	68,750	0.03	1.95	11/25/2039
MML SHORT-DURATION BOND FUND	FIXED INCOME	PENSKE TRUCK LEASING/PTL	622,376.13	615,000	0.25	3.05	1/9/2020
MML SHORT-DURATION BOND FUND	FIXED INCOME	PENSKE TRUCK LEASING/PTL	20,374.44	20,000	0.01	3.375	2/1/2022
MML SHORT-DURATION BOND FUND	FIXED INCOME	CFC LLC	39,163.56	39,229	0.02	1.75	6/15/2021
MML SHORT-DURATION BOND FUND	FIXED INCOME	ELEMENT RAIL LEASING LLC	57,815.18	59,219	0.02	2.707	2/19/2045
MML SHORT-DURATION BOND FUND	FIXED INCOME	ALLERGAN FUNDING SCS	590,467.34	590,000	0.24	2.35	3/12/2018
MML SHORT-DURATION BOND FUND	FIXED INCOME	ZIMMER BIOMET HOLDINGS	528,191.61	528,000	0.21	2	4/1/2018
MML SHORT-DURATION BOND FUND	FIXED INCOME	OSCAR US FUNDING TRUST	299,075.10	300,000	0.12	2.44	6/15/2022
MML SHORT-DURATION BOND FUND	FIXED INCOME	SIERRA RECEIVABLES FUNDING CO	216,437.81	218,290	0.09	2.4	3/22/2032
MML SHORT-DURATION BOND FUND	FIXED INCOME	NAVITAS EQUIPMENT RECEIVABLES	25,036.16	25,051	0.01	2.12	11/15/2018
MML SHORT-DURATION BOND FUND	FIXED INCOME	OSCAR US FUNDING TRUST	264,096.49	264,547	0.11	1.86	10/15/2019
MML SHORT-DURATION BOND FUND	FIXED INCOME	SANTANDER DRIVE AUTO RECEIVABL	470,964.91	470,000	0.19	2.44	4/15/2021
MML SHORT-DURATION BOND FUND	FIXED INCOME	HARRIS CORPORATION	1,158,638.76	1,154,000	0.47	2.7	4/27/2020
MML SHORT-DURATION BOND FUND	FIXED INCOME	HERO FUNDING TRUST	819,978.33	805,876	0.33	3.84	9/21/2040
MML SHORT-DURATION BOND FUND	FIXED INCOME	ABBVIE INC	944,537.61	945,000	0.38	1.8	5/14/2018
MML SHORT-DURATION BOND FUND	FIXED INCOME	BOSTON SCIENTIFIC CORP	257,021.70	255,000	0.10	2.85	5/15/2020
MML SHORT-DURATION BOND FUND	FIXED INCOME	ALLY FINANCIAL INC	441,320.00	440,000	0.18	3.6	5/21/2018
MML SHORT-DURATION BOND FUND	FIXED INCOME	ITAU UNIBANCO HLDG SA/KY	270,270.00	270,000	0.11	2.85	5/26/2018
MML SHORT-DURATION BOND FUND	FIXED INCOME	WENDYS FUNDING LLC	905,557.16	904,188	0.37	3.371	6/15/2045
MML SHORT-DURATION BOND FUND	FIXED INCOME	ASCIANO FINANCE LTD	721,560.89	717,000	0.29	5	4/7/2018
MML SHORT-DURATION BOND FUND	FIXED INCOME	LOUISIANA ST PUBLIC FACS AUTH	65,723.80	65,484	0.03	2.26742	4/26/2027
MML SHORT-DURATION BOND FUND	FIXED INCOME	REINSURANCE GRP OF AMER	684,352.60	640,000	0.28	5	6/1/2021
MML SHORT-DURATION BOND FUND	FIXED INCOME	PUGET ENERGY INC	282,286.84	255,000	0.11	6.5	12/15/2020
MML SHORT-DURATION BOND FUND	FIXED INCOME	PUGET ENERGY INC	287,649.13	260,000	0.12	6	9/1/2021
MML SHORT-DURATION BOND FUND	FIXED INCOME	XLIT LTD	510,355.89	465,000	0.21	5.75	10/1/2021
MML SHORT-DURATION BOND FUND	FIXED INCOME	BANCOLUMBIA SA	373,117.50	345,000	0.15	5.95	6/3/2021
MML SHORT-DURATION BOND FUND	FIXED INCOME	CIGNA CORP	330,017.53	316,000	0.13	4	2/15/2022
MML SHORT-DURATION BOND FUND	FIXED INCOME	LEIDOS HOLDINGS INC	928,562.50	895,000	0.37	4.45	12/1/2020
MML SHORT-DURATION BOND FUND	FIXED INCOME	JPMORGAN CHASE + CO	1,166,357.02	1,090,000	0.47	4.5	1/24/2022
MML SHORT-DURATION BOND FUND	FIXED INCOME	HUGHES SATELLITE SYSTEMS	1,131,735.00	1,083,000	0.46	6.5	6/15/2019

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML SHORT-DURATION BOND FUND	FIXED INCOME	ERICSSON LM	1,208,424.67	1,200,000	0.49	4.125	5/15/2022
MML SHORT-DURATION BOND FUND	FIXED INCOME	KINROSS GOLD CORP	594,225.00	570,000	0.24	5.125	9/1/2021
MML SHORT-DURATION BOND FUND	FIXED INCOME	LYONDELLBASELL IND NV	580,100.76	565,000	0.23	5	4/15/2019
MML SHORT-DURATION BOND FUND	FIXED INCOME	LYONDELLBASELL IND NV	555,401.39	500,000	0.22	6	11/15/2021
MML SHORT-DURATION BOND FUND	FIXED INCOME	US TREASURY N/B	1,772,718.84	1,800,000	0.72	0.875	7/31/2019
MML SHORT-DURATION BOND FUND	FIXED INCOME	AVIS BUDGET RENTAL CAR FUNDING	99,989.11	100,000	0.04	2.1	3/20/2019
MML SHORT-DURATION BOND FUND	FIXED INCOME	GNMA II POOL 082488	86,467.86	83,991	0.03	2.375	3/20/2040
MML SHORT-DURATION BOND FUND	FIXED INCOME	RYDER SYSTEM INC	475,089.44	475,000	0.19	2.5	3/1/2018
MML SHORT-DURATION BOND FUND	FIXED INCOME	RPM INTERNATIONAL INC	8,198.16	8,000	0.00	3.45	11/15/2022
MML SHORT-DURATION BOND FUND	FIXED INCOME	GLENCORE FINANCE CANADA	266,141.20	254,000	0.11	4.25	10/25/2022
MML SHORT-DURATION BOND FUND	FIXED INCOME	ARL LLC	209,368.04	207,813	0.08	3.22703	12/15/2042
MML SHORT-DURATION BOND FUND	FIXED INCOME	MORGAN STANLEY	569,998.71	550,000	0.23	3.75	2/25/2023
MML SHORT-DURATION BOND FUND	FIXED INCOME	MATTEL INC	348,687.50	350,000	0.14	1.7	3/15/2018
MML SHORT-DURATION BOND FUND	FIXED INCOME	INTL LEASE FINANCE CORP	100,457.90	100,000	0.04	3.875	4/15/2018
MML SHORT-DURATION BOND FUND	FIXED INCOME	CKE RESTAURANTS HOLDINGS INC	453,458.66	451,983	0.18	4.474	3/20/2043
MML SHORT-DURATION BOND FUND	FIXED INCOME	GRAPHIC PACKAGING INTERN	1,143,230.00	1,094,000	0.46	4.75	4/15/2021
MML SHORT-DURATION BOND FUND	FIXED INCOME	GOLDENTREE LOAN OPPORTUNITIES	464,128.00	464,031	0.19	2.51742	4/25/2025
MML SHORT-DURATION BOND FUND	FIXED INCOME	FRS LLC	35,117.01	35,340	0.01	1.8	4/15/2043
MML SHORT-DURATION BOND FUND	FIXED INCOME	BRUNSWICK CORP	1,410,854.57	1,388,000	0.57	4.625	5/15/2021
MML SHORT-DURATION BOND FUND	FIXED INCOME	NELNET STUDENT LOAN TRUST	117,661.04	130,000	0.05	2.8275	6/25/2054
MML SHORT-DURATION BOND FUND	FIXED INCOME	CNH INDUSTRIAL CAPITAL L	355,647.50	353,000	0.14	3.375	7/15/2019
MML SHORT-DURATION BOND FUND	FIXED INCOME	WELK RESORTS LLC	100,567.25	102,449	0.04	2.79	6/16/2031
MML SHORT-DURATION BOND FUND	FIXED INCOME	BCC FUNDING CORP	59,696.63	59,789	0.02	2.224	10/20/2020
MML SHORT-DURATION BOND FUND	FIXED INCOME	DRB PRIME STUDENT LOAN TRUST	78,329.40	78,884	0.03	2.32	4/25/2030
MML SHORT-DURATION BOND FUND	FIXED INCOME	GLS AUTO RECEIVABLES TRUST	10,208.32	10,213	0.00	2.25	12/15/2020
MML SHORT-DURATION BOND FUND	FIXED INCOME	CAZENOVIA CREEK FUNDING LLC	82,952.66	83,265	0.03	2	12/10/2023
MML SHORT-DURATION BOND FUND	FIXED INCOME	GENERAL MOTORS FINL CO	187,510.95	185,000	0.08	3.2	7/13/2020
MML SHORT-DURATION BOND FUND	FIXED INCOME	ENTERGY NEW ORLEANS STORE RECO	77,519.00	77,694	0.03	2.67	6/1/2027
MML SHORT-DURATION BOND FUND	FIXED INCOME	IMPERIAL BRANDS FIN PLC	1,097,493.60	1,087,000	0.44	2.95	7/21/2020
MML SHORT-DURATION BOND FUND	FIXED INCOME	ACCESS GROUP INC	271,928.64	271,603	0.11	2.25213	7/25/2056
MML SHORT-DURATION BOND FUND	FIXED INCOME	DIAMOND RESORTS OWNER TRUST	87,233.32	87,807	0.04	2.73	7/20/2027
MML SHORT-DURATION BOND FUND	FIXED INCOME	FLAGSHIP CREDIT AUTO TRUST	49,213.15	49,209	0.02	1.98	10/15/2020
MML SHORT-DURATION BOND FUND	FIXED INCOME	AERCAP IRELAND CAP/GLOBA	1,060,720.99	1,010,000	0.43	4.5	5/15/2021
MML SHORT-DURATION BOND FUND	FIXED INCOME	CELGENE CORP	1,180,904.47	1,170,000	0.48	2.875	8/15/2020
MML SHORT-DURATION BOND FUND	FIXED INCOME	ELARA HGV TIMESHARE ISSUER	97,068.63	99,159	0.04	3.02	2/25/2027
MML SHORT-DURATION BOND FUND	FIXED INCOME	RYDER SYSTEM INC	342,346.04	340,000	0.14	2.875	9/1/2020
MML SHORT-DURATION BOND FUND	FIXED INCOME	SOFI CONSUMER LOAN PROGRAM TRU	550,025.32	548,491	0.22	3.28	9/15/2023
MML SHORT-DURATION BOND FUND	FIXED INCOME	MARRIOTT INTERNATIONAL	880,623.50	875,000	0.36	2.875	3/1/2021
MML SHORT-DURATION BOND FUND	FIXED INCOME	CPS AUTO TRUST	237,328.96	237,348	0.10	2.55	2/18/2020
MML SHORT-DURATION BOND FUND	FIXED INCOME	AVIATION CAPITAL GROUP	1,264,228.01	1,260,000	0.51	2.875	9/17/2018
MML SHORT-DURATION BOND FUND	FIXED INCOME	AUTONATION INC	837,013.93	825,000	0.34	3.35	1/15/2021
MML SHORT-DURATION BOND FUND	FIXED INCOME	DRB PRIME STUDENT LOAN TRUST	104,026.31	103,552	0.04	3.17	7/25/2031
MML SHORT-DURATION BOND FUND	FIXED INCOME	DRB PRIME STUDENT LOAN TRUST	74,942.09	75,917	0.03	2.54	4/27/2026
MML SHORT-DURATION BOND FUND	FIXED INCOME	GENERAL MOTORS FINL CO	522,783.10	520,000	0.21	3.1	1/15/2019
MML SHORT-DURATION BOND FUND	FIXED INCOME	MINITUBISHI UFJ TR + BANK	1,111,640.46	1,110,000	0.45	2.65	10/19/2020
MML SHORT-DURATION BOND FUND	FIXED INCOME	SIERRA RECEIVABLES FUNDING CO	79,441.33	79,622	0.03	2.58	9/20/2032
MML SHORT-DURATION BOND FUND	FIXED INCOME	DOMINOS PIZZA MASTER ISSUER LL	425,733.53	423,550	0.17	3.484	10/25/2045
MML SHORT-DURATION BOND FUND	FIXED INCOME	SIERRA RECEIVABLES FUNDING CO	30,456.76	30,624	0.01	3.08	9/20/2032
MML SHORT-DURATION BOND FUND	FIXED INCOME	FREDDIE MAC	515,081.94	511,217	0.21	3	8/15/2040
MML SHORT-DURATION BOND FUND	FIXED INCOME	NEXTGEAR FLOORPLAN MASTER OWNE	250,252.00	250,000	0.10	2.38	10/15/2020
MML SHORT-DURATION BOND FUND	FIXED INCOME	FIRST HORIZON NATIONAL	1,460,288.97	1,430,000	0.59	3.5	12/15/2020
MML SHORT-DURATION BOND FUND	FIXED INCOME	HYUNDAI CAPITAL AMERICA	798,712.00	800,000	0.32	3	10/30/2020

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML SHORT-DURATION BOND FUND	FIXED INCOME	FLAGSHIP CREDIT AUTO TRUST	64,502.40	64,388	0.03	2.38	10/15/2020
MML SHORT-DURATION BOND FUND	FIXED INCOME	MADISON PARK FUNDING LTD	427,380.24	420,000	0.17	2.84742	10/25/2029
MML SHORT-DURATION BOND FUND	FIXED INCOME	SPRINGCASTLE SPV	495,748.92	492,693	0.20	3.05	4/25/2029
MML SHORT-DURATION BOND FUND	FIXED INCOME	SHIRE ACQ INV IRELAND DA	231,301.36	235,000	0.09	2.4	9/23/2021
MML SHORT-DURATION BOND FUND	FIXED INCOME	AIR LIQUIDE FINANCE	193,954.80	200,000	0.08	1.75	9/27/2021
MML SHORT-DURATION BOND FUND	FIXED INCOME	NAVISTAR FINANCIAL DEALER NOTE	523,004.82	520,000	0.21	2.90213	9/27/2021
MML SHORT-DURATION BOND FUND	FIXED INCOME	AMERICAN TOWER CORP	404,194.36	415,000	0.16	2.25	1/15/2022
MML SHORT-DURATION BOND FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	461,427.14	489,390	0.19	1.57742	10/25/2040
MML SHORT-DURATION BOND FUND	FIXED INCOME	APIDOS CLO	521,601.08	520,000	0.21	2.82261	10/20/2028
MML SHORT-DURATION BOND FUND	FIXED INCOME	EXETER AUTOMOBILE RECEIVABLES	258,250.36	260,000	0.10	2.84	8/16/2021
MML SHORT-DURATION BOND FUND	FIXED INCOME	NEXTGEAR FLOORPLAN MASTER OWNE	478,049.38	480,000	0.19	2.19	9/15/2021
MML SHORT-DURATION BOND FUND	FIXED INCOME	DRB PRIME STUDENT LOAN TRUST	879,641.76	870,932	0.35	3.46375	10/25/2044
MML SHORT-DURATION BOND FUND	FIXED INCOME	SMB PRIVATE EDUCATION LOAN TRU	294,840.83	290,000	0.12	2.57703	9/15/2034
MML SHORT-DURATION BOND FUND	FIXED INCOME	SOFI CONSUMER LOAN PROGRAM TRU	248,837.50	247,650	0.10	3.05	12/26/2025
MML SHORT-DURATION BOND FUND	FIXED INCOME	NAVIENT STUDENT LOAN TRUST	1,089,933.76	1,060,000	0.44	2.85213	3/25/2066
MML SHORT-DURATION BOND FUND	FIXED INCOME	NEW RESIDENTIAL ADVANCE RECEIV	1,931,377.50	1,950,000	0.78	2.5751	10/15/2049
MML SHORT-DURATION BOND FUND	FIXED INCOME	CNH INDUSTRIAL CAP LLC	646,137.90	635,000	0.26	3.875	10/15/2021
MML SHORT-DURATION BOND FUND	FIXED INCOME	CPS AUTO TRUST	75,783.37	75,818	0.03	1.82	9/15/2020
MML SHORT-DURATION BOND FUND	FIXED INCOME	LCM LTD PARTNERSHIP	618,923.00	618,068	0.25	2.50917	7/15/2025
MML SHORT-DURATION BOND FUND	FIXED INCOME	SIERRA RECEIVABLES FUNDING CO	25,593.72	25,604	0.01	2.28	11/20/2025
MML SHORT-DURATION BOND FUND	CASH EQUIVALENT	SOUTHERN CO GAS CAPITAL	2,249,582.76	2,250,000	0.91	0	1/2/2018
MML SHORT-DURATION BOND FUND	CASH EQUIVALENT	ENTERGY CORPORATION	1,994,853.50	2,000,000	0.80	0	2/14/2018
MML SHORT-DURATION BOND FUND	FIXED INCOME	FNMA POOL 532819	38.00	32	0.00	8	3/1/2030
MML SHORT-DURATION BOND FUND	FIXED INCOME	FNMA POOL 534703	631.69	534	0.00	8	5/1/2030
MML SHORT-DURATION BOND FUND	FIXED INCOME	GNMA POOL 581417	2,852.19	2,452	0.00	7	7/15/2032
MML SHORT-DURATION BOND FUND	FIXED INCOME	FNMA POOL 775539	9,459.44	9,065	0.00	3.475	5/1/2034
MML SHORT-DURATION BOND FUND	FIXED INCOME	CREDIT SUISSE SEASONED LOAN TR	124,299.22	124,536	0.05	1.79213	10/25/2034
MML SHORT-DURATION BOND FUND	FIXED INCOME	ACCESS GROUP INC	120,879.65	140,000	0.05	3.05213	7/25/2058
MML SHORT-DURATION BOND FUND	FIXED INCOME	MVV OWNER TRUST	67,804.55	68,537	0.03	2.25	12/20/2033
MML SHORT-DURATION BOND FUND	FIXED INCOME	MADISON PARK FUNDING LTD	281,251.32	280,000	0.11	2.48261	7/20/2026
MML SHORT-DURATION BOND FUND	CASH EQUIVALENT	CENTERPOINT ENGY INC	999,814.56	1,000,000	0.40	0	1/2/2018
MML SHORT-DURATION BOND FUND	FIXED INCOME	NATIONS EQUIPMENT FINANCE	110,722.22	110,596	0.04	3.61	2/20/2021
MML SHORT-DURATION BOND FUND	FIXED INCOME	STANDARD INDUSTRIES INC	583,800.00	560,000	0.24	5.5	2/15/2023
MML SHORT-DURATION BOND FUND	FIXED INCOME	FLAGSHIP CREDIT AUTO TRUST	163,140.96	162,589	0.07	2.77	12/15/2020
MML SHORT-DURATION BOND FUND	FIXED INCOME	EXPRESS SCRIPTS HOLDING	1,213,755.13	1,195,000	0.49	3.3	2/25/2021
MML SHORT-DURATION BOND FUND	FIXED INCOME	GOLDMAN SACHS GROUP INC	2,377,449.23	2,360,000	0.96	2.875	2/25/2021
MML SHORT-DURATION BOND FUND	FIXED INCOME	AMERICAN INTL GROUP	560,684.02	550,000	0.23	3.3	3/1/2021
MML SHORT-DURATION BOND FUND	FIXED INCOME	DRB PRIME STUDENT LOAN TRUST	224,270.87	224,855	0.09	3.55213	4/25/2040
MML SHORT-DURATION BOND FUND	FIXED INCOME	SOCIAL PROFESSIONAL LOAN PROGR	241,403.63	235,669	0.10	3.07862	8/25/2036
MML SHORT-DURATION BOND FUND	FIXED INCOME	DIGITAL REALTY TRUST LP	326,320.16	320,000	0.13	3.4	10/1/2020
MML SHORT-DURATION BOND FUND	FIXED INCOME	MASCO CORP	375,790.50	370,000	0.15	3.5	4/1/2021
MML SHORT-DURATION BOND FUND	FIXED INCOME	CNH INDUSTRIAL CAPITAL L	120,750.00	115,000	0.05	4.875	4/1/2021
MML SHORT-DURATION BOND FUND	FIXED INCOME	ELEMENT RAIL LEASING LLC	161,693.54	159,218	0.07	3.968	3/19/2046
MML SHORT-DURATION BOND FUND	FIXED INCOME	TRINITY ACQUISITION PLC	479,165.30	470,000	0.19	3.5	9/15/2021
MML SHORT-DURATION BOND FUND	FIXED INCOME	OSCAR US FUNDING TRUST	73,610.53	73,233	0.03	2.95028	7/15/2020
MML SHORT-DURATION BOND FUND	FIXED INCOME	NEWELL BRANDS INC	171,584.08	171,000	0.07	2.6	3/29/2019
MML SHORT-DURATION BOND FUND	FIXED INCOME	FNMA POOL 725692	26,378.49	25,519	0.01	3.229	10/1/2033
MML SHORT-DURATION BOND FUND	FIXED INCOME	ISRAEL ELECTRIC CORP LTD	364,658.00	350,000	0.15	7.25	1/15/2019
MML SHORT-DURATION BOND FUND	FIXED INCOME	REGIONS BANK	132,603.19	130,000	0.05	7.5	5/15/2018
MML SHORT-DURATION BOND FUND	EQUITY	SWAP BARCLAYS BANK BOC	(940,000.00)	(940,000)	0.38		
MML SHORT-DURATION BOND FUND	FIXED INCOME	ENTERGY TEXAS INC	838,335.84	798,000	0.34	7.125	2/1/2019
MML SHORT-DURATION BOND FUND	FIXED INCOME	DOW CHEMICAL CO/THE	135,397.48	125,000	0.05	8.55	5/15/2019

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML SHORT-DURATION BOND FUND	FIXED INCOME	HOLCIM US FINANCE SARL +	1,230,639.26	1,160,000	0.50	6	12/30/2019
MML SHORT-DURATION BOND FUND	FIXED INCOME	WEYERHAEUSER CO	146,300.18	135,000	0.06	7.375	10/1/2019
MML SHORT-DURATION BOND FUND	FIXED INCOME	MAJAPAHIT HOLDING BV	360,954.00	330,000	0.15	7.75	1/20/2020
MML SHORT-DURATION BOND FUND	FIXED INCOME	INCITEC PIVOT FIN LLC	955,484.80	902,000	0.39	6	12/10/2019
MML SHORT-DURATION BOND FUND	FIXED INCOME	LINCOLN NATIONAL CORP	538,418.17	500,000	0.22	6.25	2/15/2020
MML SHORT-DURATION BOND FUND	FIXED INCOME	GNMA II POOL 082462	71,728.72	69,613	0.03	2.375	1/20/2040
MML SHORT-DURATION BOND FUND	FIXED INCOME	MASCO CORP	70,877.95	65,000	0.03	7.125	3/15/2020
MML SHORT-DURATION BOND FUND	FIXED INCOME	L3 TECHNOLOGIES INC	926,962.79	885,000	0.37	5.2	10/15/2019
MML SHORT-DURATION BOND FUND	FIXED INCOME	SVB FINANCIAL GROUP	80,158.02	75,000	0.03	5.375	9/15/2020
MML SHORT-DURATION BOND FUND	FIXED INCOME	CNA FINANCIAL CORP	101,829.17	93,000	0.04	5.75	8/15/2021
MML SHORT-DURATION BOND FUND	FIXED INCOME	CIGNA CORP	830,336.07	790,000	0.34	4.5	3/15/2021
MML SHORT-DURATION BOND FUND	FIXED INCOME	COLLEGE LOAN CORPORATON TRUST	220,567.35	241,694	0.09	1.84917	1/15/2037
MML SHORT-DURATION BOND FUND	FIXED INCOME	WILLIS TOWERS WATSON PLC	402,619.95	370,000	0.16	5.75	3/15/2021
MML SHORT-DURATION BOND FUND	FIXED INCOME	EARNEST STUDENT LOAN PROGRAM L	367,082.92	371,018	0.15	2.72	1/25/2041
MML SHORT-DURATION BOND FUND	FIXED INCOME	DANONE SA	1,310,789.18	1,340,000	0.53	2.077	11/2/2021
MML SHORT-DURATION BOND FUND	FIXED INCOME	GOODGREEN TRUST	507,908.46	509,243	0.20	3.23	10/15/2052
MML SHORT-DURATION BOND FUND	FIXED INCOME	RYDER SYSTEM INC	418,420.92	425,000	0.17	2.25	9/1/2021
MML SHORT-DURATION BOND FUND	FIXED INCOME	VELOCITY COMMERCIAL CAPITAL LO	367,337.33	367,372	0.15	2.99694	10/25/2046
MML SHORT-DURATION BOND FUND	FIXED INCOME	BANK OF AMERICA CORP	2,060,519.50	2,070,000	0.83	2.151	11/9/2020
MML SHORT-DURATION BOND FUND	FIXED INCOME	DIAMOND RESORTS OWNER TRUST	617,333.35	627,076	0.25	3.08	11/20/2028
MML SHORT-DURATION BOND FUND	FIXED INCOME	SIMON PROPERTY GROUP LP	693,357.62	700,000	0.28	2.35	1/30/2022
MML SHORT-DURATION BOND FUND	FIXED INCOME	PENNSYLVANIA HIGHER EDUCATION	630,217.68	629,092	0.25	2.50213	11/25/2065
MML SHORT-DURATION BOND FUND	FIXED INCOME	SPS SERVICER ADVANCE RECEIVABL	1,030,871.92	1,040,000	0.42	2.53	11/16/2048
MML SHORT-DURATION BOND FUND	FIXED INCOME	SOFI CONSUMER LOAN PROGRAM TRU	1,381,223.60	1,377,793	0.56	3.06	9/25/2028
MML SHORT-DURATION BOND FUND	FIXED INCOME	ABBOTT LABORATORIES	480,522.02	480,000	0.19	2.35	11/22/2019
MML SHORT-DURATION BOND FUND	FIXED INCOME	ABBOTT LABORATORIES	682,814.41	675,000	0.28	2.9	11/30/2021
MML SHORT-DURATION BOND FUND	FIXED INCOME	NEW RESIDENTIAL ADVANCE RECEIV	696,882.90	700,000	0.28	3.1068	12/15/2050
MML SHORT-DURATION BOND FUND	FIXED INCOME	CHARTER COMM OPT LLC/CAP	616,277.85	605,000	0.25	3.579	7/23/2020
MML SHORT-DURATION BOND FUND	FIXED INCOME	OHA LOAN FUNDING LTD	600,000.50	590,000	0.24	2.82586	8/15/2029
MML SHORT-DURATION BOND FUND	FIXED INCOME	AIRCATTLE LTD	1,380,412.50	1,310,000	0.56	5	4/1/2023
MML SHORT-DURATION BOND FUND	FIXED INCOME	STANLEY BLACK + DECKER I	343,734.81	345,000	0.14	1.622	11/17/2018
MML SHORT-DURATION BOND FUND	FIXED INCOME	DT AUTO OWNER TRUST	63,605.72	63,582	0.03	2.92	5/15/2020
MML SHORT-DURATION BOND FUND	FIXED INCOME	AMERICAN CREDIT ACCEPTANCE REC	26,870.82	26,879	0.01	2.22	7/13/2020
MML SHORT-DURATION BOND FUND	FIXED INCOME	NEXTGEAR FLOORPLAN MASTER OWNE	375,677.50	370,000	0.15	3.17703	4/15/2021
MML SHORT-DURATION BOND FUND	FIXED INCOME	ONDECK ASSET SECURITIZATION TR	120,443.68	120,000	0.05	4.21	5/17/2020
MML SHORT-DURATION BOND FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	840,739.51	850,000	0.34	1.91742	10/25/2064
MML SHORT-DURATION BOND FUND	FIXED INCOME	TACO BELL FUNDING, LLC	380,509.84	375,250	0.15	3.832	5/25/2046
MML SHORT-DURATION BOND FUND	FIXED INCOME	UNUM GROUP	135,942.64	135,000	0.05	3	5/15/2021
MML SHORT-DURATION BOND FUND	FIXED INCOME	GENERAL MOTORS FINL CO	110,026.68	110,000	0.04	2.4	5/9/2019
MML SHORT-DURATION BOND FUND	FIXED INCOME	S+P GLOBAL INC	646,812.13	635,000	0.26	3.3	8/14/2020
MML SHORT-DURATION BOND FUND	FIXED INCOME	EARNEST STUDENT LOAN PROGRAM L	278,191.52	277,247	0.11	3.28788	2/26/2035
MML SHORT-DURATION BOND FUND	FIXED INCOME	DRB PRIME STUDENT LOAN TRUST	224,664.55	224,197	0.09	2.89	6/25/2040
MML SHORT-DURATION BOND FUND	FIXED INCOME	CVS HEALTH CORP	936,872.54	960,000	0.38	2.125	6/1/2021
MML SHORT-DURATION BOND FUND	FIXED INCOME	DELL INT LLC / EMC CORP	494,959.12	475,000	0.20	4.42	6/15/2021
MML SHORT-DURATION BOND FUND	FIXED INCOME	DELL INT LLC / EMC CORP	435,386.79	430,000	0.18	3.48	6/1/2019
MML SHORT-DURATION BOND FUND	FIXED INCOME	SMB PRIVATE EDUCATION LOAN TRU	80,013.73	79,983	0.03	2.17703	5/15/2023
MML SHORT-DURATION BOND FUND	FIXED INCOME	DRIVE AUTO RECEIVABLES TRUST	63,994.12	63,934	0.03	2.56	6/15/2020
MML SHORT-DURATION BOND FUND	FIXED INCOME	NXP BV/NXP FUNDING LLC	785,400.00	770,000	0.32	4.125	6/1/2021
MML SHORT-DURATION BOND FUND	FIXED INCOME	SOUTHERN CO	457,270.79	460,000	0.18	2.35	7/1/2021
MML SHORT-DURATION BOND FUND	FIXED INCOME	SOCIAL PROFESSIONAL LOAN PROGR	90,756.39	90,889	0.04	1.68	3/25/2031
MML SHORT-DURATION BOND FUND	FIXED INCOME	SOCIAL PROFESSIONAL LOAN PROGR	246,713.47	242,764	0.10	2.75213	6/25/2033
MML SHORT-DURATION BOND FUND	FIXED INCOME	BAXALTA INC	484,887.61	485,000	0.20	2	6/22/2018

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML SHORT-DURATION BOND FUND	FIXED INCOME	FLIR SYSTEMS INC	382,811.37	380,000	0.15	3.125	6/15/2021
MML SHORT-DURATION BOND FUND	FIXED INCOME	OXFORD FINANCE FUNDING TRUST	200,759.22	200,000	0.08	3.968	6/17/2024
MML SHORT-DURATION BOND FUND	FIXED INCOME	MARRIOTT INTERNATIONAL	29,453.37	30,000	0.01	2.3	1/15/2022
MML SHORT-DURATION BOND FUND	FIXED INCOME	HYUNDAI CAPITAL AMERICA	64,221.93	65,000	0.03	2	7/1/2019
MML SHORT-DURATION BOND FUND	FIXED INCOME	SOFI CONSUMER LOAN PROGRAM TRU	688,138.52	684,147	0.28	3.26	8/25/2025
MML SHORT-DURATION BOND FUND	FIXED INCOME	ELARA HGV TIMESHARE ISSUER	222,330.09	223,658	0.09	2.73	4/25/2028
MML SHORT-DURATION BOND FUND	FIXED INCOME	MOLSON COORS BREWING CO	323,443.36	330,000	0.13	2.1	7/15/2021
MML SHORT-DURATION BOND FUND	FIXED INCOME	SUMITOMO MITSUI FINL GRP	573,308.30	585,000	0.23	2.058	7/14/2021
MML SHORT-DURATION BOND FUND	FIXED INCOME	TEVA PHARMACEUTICALS NE	1,210,348.40	1,325,000	0.49	2.2	7/21/2021
MML SHORT-DURATION BOND FUND	FIXED INCOME	MARLETTE FUNDING TRUST	242,102.47	241,675	0.10	3.06	1/17/2023
MML SHORT-DURATION BOND FUND	FIXED INCOME	DOLLAR TREE INC	1,246,525.00	1,190,000	0.50	5.75	3/1/2023
MML SHORT-DURATION BOND FUND	FIXED INCOME	SOFI CONSUMER LOAN PROGRAM TRU	295,330.96	293,873	0.12	3.09	10/27/2025
MML SHORT-DURATION BOND FUND	FIXED INCOME	CITIGROUP INC	1,142,409.19	1,155,000	0.46	2.35	8/2/2021
MML SHORT-DURATION BOND FUND	FIXED INCOME	NAVIENT STUDENT LOAN TRUST	771,471.46	753,403	0.31	2.80213	6/25/2065
MML SHORT-DURATION BOND FUND	FIXED INCOME	DUKE ENERGY CORP	466,873.60	480,000	0.19	1.8	9/1/2021
MML SHORT-DURATION BOND FUND	FIXED INCOME	ECMC GROUP STUDENT LOAN TRUST	507,805.85	503,157	0.20	2.6775	7/26/2066
MML SHORT-DURATION BOND FUND	FIXED INCOME	NISSAN MOTOR ACCEPTANCE	466,969.06	480,000	0.19	1.9	9/14/2021
MML SHORT-DURATION BOND FUND	FIXED INCOME	TCI SYMPHONY CLO	305,174.40	300,000	0.12	2.83861	10/13/2029
MML SHORT-DURATION BOND FUND	FIXED INCOME	FIRST INVESTORS AUTO OWNER TRU	533,602.35	540,000	0.22	2.21	7/15/2022
MML SHORT-DURATION BOND FUND	FIXED INCOME	SOCIAL PROFESSIONAL LOAN PROGR	140,077.44	138,673	0.06	2.50213	1/25/2039
MML SHORT-DURATION BOND FUND	FIXED INCOME	ALM LOAN FUNDING	373,088.39	370,000	0.15	2.83917	10/15/2028
MML SHORT-DURATION BOND FUND	FIXED INCOME	OSCAR US FUNDING TRUST	212,316.45	212,533	0.09	2.31	11/15/2019
MML SHORT-DURATION BOND FUND	FIXED INCOME	VSE VOI MORTGAGE LLC	567,403.11	572,273	0.23	2.54	7/20/2033
MML SHORT-DURATION BOND FUND	FIXED INCOME	ARES CAPITAL CORP	30,124.04	30,000	0.01	3.625	1/19/2022
MML SHORT-DURATION BOND FUND	FIXED INCOME	PITNEY BOWES INC	1,385,700.00	1,490,000	0.56	3.625	10/1/2021
MML SHORT-DURATION BOND FUND	FIXED INCOME	EXETER AUTOMOBILE RECEIVABLES	259,056.88	260,000	0.10	3	12/15/2021
MML SHORT-DURATION BOND FUND	FIXED INCOME	NAVIENT STUDENT LOAN TRUST	972,605.35	950,000	0.39	2.70213	7/26/2066
MML SHORT-DURATION BOND FUND	FIXED INCOME	RACE POINT CLO LTD	705,299.70	700,000	0.28	2.77567	2/20/2030
MML SHORT-DURATION BOND FUND	FIXED INCOME	BIRCHWOOD PARK CLO LTD	341,133.56	340,000	0.14	2.53917	7/15/2026
MML SHORT-DURATION BOND FUND	FIXED INCOME	MARINER FINANCE ISSUANCE TRUST	401,373.12	400,000	0.16	3.62	2/20/2029
MML SHORT-DURATION BOND FUND	FIXED INCOME	SYMPHONY CLO LTD	802,364.00	800,000	0.32	2.53333	10/17/2026
MML SHORT-DURATION BOND FUND	FIXED INCOME	AMERICAN CREDIT ACCEPTANCE REC	519,976.29	520,000	0.21	2.39	2/16/2021
MML SHORT-DURATION BOND FUND	FIXED INCOME	HILTON GRAND VACATIONS TRUST	306,003.87	309,872	0.12	2.96	12/26/2028
MML SHORT-DURATION BOND FUND	FIXED INCOME	SOFI CONSUMER LOAN PROGRAM TRU	539,964.19	536,533	0.22	3.28	2/25/2026
MML SHORT-DURATION BOND FUND	FIXED INCOME	ECMC GROUP STUDENT LOAN TRUST	1,048,614.87	1,036,668	0.42	2.75213	12/27/2066
MML SHORT-DURATION BOND FUND	FIXED INCOME	ENSTAR GROUP LTD	585,614.75	575,000	0.24	4.5	3/10/2022
MML SHORT-DURATION BOND FUND	FIXED INCOME	DELTA AIR LINES INC	788,390.46	775,000	0.32	3.625	3/15/2022
MML SHORT-DURATION BOND FUND	FIXED INCOME	SIERRA RECEIVABLES FUNDING CO	545,701.27	544,900	0.22	2.91	3/20/2034
MML SHORT-DURATION BOND FUND	FIXED INCOME	OSCAR US FUNDING TRUST	160,530.24	160,000	0.06	3.3	5/10/2024
MML SHORT-DURATION BOND FUND	FIXED INCOME	OSCAR US FUNDING TRUST	239,888.88	240,000	0.10	2.82	6/10/2021
MML SHORT-DURATION BOND FUND	FIXED INCOME	MARLETTE FUNDING TRUST	483,445.52	482,030	0.20	2.827	3/15/2024
MML SHORT-DURATION BOND FUND	FIXED INCOME	GENPACT LUXEMBOURG SARL	1,028,672.27	1,035,000	0.42	3.7	4/1/2022
MML SHORT-DURATION BOND FUND	FIXED INCOME	WESTGATE RESORTS	273,935.84	274,451	0.11	3.05	12/20/2030
MML SHORT-DURATION BOND FUND	FIXED INCOME	TAL ADVANTAGE LLC	480,640.75	468,680	0.19	4.5	4/20/2042
MML SHORT-DURATION BOND FUND	FIXED INCOME	MAGNETITE CLO LTD	702,350.60	700,000	0.28	2.47389	1/18/2027
MML SHORT-DURATION BOND FUND	FIXED INCOME	ANGLO AMERICAN CAPITAL	508,080.00	500,000	0.21	3.75	4/10/2022
MML SHORT-DURATION BOND FUND	FIXED INCOME	SBA TOWER TRUST	348,404.53	350,000	0.14	3.168	4/9/2047
MML SHORT-DURATION BOND FUND	FIXED INCOME	BRE GRAND ISLANDER TIMESHARE I	223,525.46	225,952	0.09	2.94	5/25/2029
MML SHORT-DURATION BOND FUND	FIXED INCOME	BANCO SANTANDER SA	1,223,577.41	1,200,000	0.49	3.5	4/11/2022
MML SHORT-DURATION BOND FUND	FIXED INCOME	SOCIAL PROFESSIONAL LOAN PROGR	400,000.00	200	0.16	0	3/25/2033
MML SHORT-DURATION BOND FUND	FIXED INCOME	AVERY POINT CLO LTD	581,501.04	580,000	0.23	2.47389	1/18/2025
MML SHORT-DURATION BOND FUND	FIXED INCOME	SHERWIN WILLIAMS CO	682,340.90	685,000	0.28	2.75	6/1/2022

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML SHORT-DURATION BOND FUND	FIXED INCOME	CAPITAL ONE FINANCIAL CO	364,542.94	365,000	0.15	2.5	5/12/2020
MML SHORT-DURATION BOND FUND	FIXED INCOME	ENEL FINANCE INTL NV	782,866.49	785,000	0.32	2.875	5/25/2022
MML SHORT-DURATION BOND FUND	FIXED INCOME	OPORTUN FUNDING LLC	348,250.42	350,000	0.14	3.23	6/8/2023
MML SHORT-DURATION BOND FUND	FIXED INCOME	VERIZON COMMUNICATIONS	482,923.72	480,000	0.19	2.946	3/15/2022
MML SHORT-DURATION BOND FUND	FIXED INCOME	WELK RESORTS LLC	266,474.78	269,125	0.11	3.41	6/15/2033
MML SHORT-DURATION BOND FUND	FIXED INCOME	DRIVE AUTO RECEIVABLES TRUST	271,140.64	270,000	0.11	2.84	4/15/2022
MML SHORT-DURATION BOND FUND	FIXED INCOME	MARLETTE FUNDING TRUST	297,454.31	297,489	0.12	2.39	7/15/2024
MML SHORT-DURATION BOND FUND	FIXED INCOME	LENDMARK FUNDING TRUST	239,372.69	240,000	0.10	2.83	12/22/2025
MML SHORT-DURATION BOND FUND	FIXED INCOME	TRAFIGURA SECURITISATION FINAN	261,210.30	260,000	0.11	3.17703	12/15/2020
MML SHORT-DURATION BOND FUND	FIXED INCOME	SIRIUS XM RADIO INC	1,350,367.50	1,347,000	0.54	3.875	8/1/2022
MML SHORT-DURATION BOND FUND	FIXED INCOME	DXC TECHNOLOGY CO	231,118.84	230,000	0.09	2.875	3/27/2020
MML SHORT-DURATION BOND FUND	FIXED INCOME	NAVIENT STUDENT LOAN TRUST	504,769.65	500,000	0.20	2.55213	9/27/2066
MML SHORT-DURATION BOND FUND	FUTURE	US 2YR NOTE (CBT) MAR18	-	27,000,000	0.00	0	3/29/2018
MML SHORT-DURATION BOND FUND	FUTURE	US 5YR NOTE (CBT) MAR18	-	(58,400,000)	0.02	0	3/29/2018
MML SHORT-DURATION BOND FUND	FIXED INCOME	SOCIAL PROFESSIONAL LOAN PROGR	565,900.00	1,000,000	0.23	0	9/25/2040
MML SHORT-DURATION BOND FUND	FIXED INCOME	DAE FUNDING LLC	207,050.00	205,000	0.08	4	8/1/2020
MML SHORT-DURATION BOND FUND	FIXED INCOME	TRIP RAIL MASTER FUNDING LLC	169,480.39	170,146	0.07	2.709	8/15/2047
MML SHORT-DURATION BOND FUND	FIXED INCOME	DRIVE AUTO RECEIVABLES TRUST	140,160.47	140,000	0.06	2.75	9/15/2023
MML SHORT-DURATION BOND FUND	FIXED INCOME	DRB PRIME STUDENT LOAN TRUST	373,820.21	380,000	0.15	3.61	8/25/2042
MML SHORT-DURATION BOND FUND	FIXED INCOME	TCP CAPITAL CORP	664,370.57	675,000	0.27	4.125	8/11/2022
MML SHORT-DURATION BOND FUND	FIXED INCOME	TRITON CONTAINER FINANCE LLC	1,010,065.18	1,008,990	0.41	3.62	8/20/2042
MML SHORT-DURATION BOND FUND	FIXED INCOME	NAVIENT STUDENT LOAN TRUST	428,726.26	427,254	0.17	2.35213	7/26/2066
MML SHORT-DURATION BOND FUND	FIXED INCOME	DISCOVERY COMMUNICATIONS	351,335.18	355,000	0.14	2.95	3/20/2023
MML SHORT-DURATION BOND FUND	FIXED INCOME	FANNIE MAE	693,396.55	690,328	0.28	3	4/25/2040
MML SHORT-DURATION BOND FUND	FIXED INCOME	EQT CORP	558,979.33	565,000	0.23	3	10/1/2022
MML SHORT-DURATION BOND FUND	FIXED INCOME	LCM LTD PARTNERSHIP	597,487.10	590,000	0.24	2.76261	10/20/2029
MML SHORT-DURATION BOND FUND	FIXED INCOME	ANALOG DEVICES INC	242,586.95	245,000	0.10	2.5	12/5/2021
MML SHORT-DURATION BOND FUND	FIXED INCOME	NEW RESIDENTIAL MORTGAGE LOAN	397,268.12	388,050	0.16	3.75	11/25/2056
MML SHORT-DURATION BOND FUND	FIXED INCOME	HERO FUNDING TRUST	361,491.17	355,704	0.15	3.57	9/20/2047
MML SHORT-DURATION BOND FUND	FIXED INCOME	SPRINGLEAF FUNDING TRUST	1,462,151.46	1,460,000	0.59	2.9	11/15/2029
MML SHORT-DURATION BOND FUND	FIXED INCOME	TREMAN PARK CLO LTD	951,577.95	950,000	0.38	2.73261	4/20/2027
MML SHORT-DURATION BOND FUND	FIXED INCOME	NELNET PRIVATE EDUCATION LOAN	235,837.84	238,929	0.10	3.6	12/26/2040
MML SHORT-DURATION BOND FUND	FIXED INCOME	ORANGE LAKE TIMESHARE TRUST	221,482.42	223,749	0.09	2.61	3/8/2029
MML SHORT-DURATION BOND FUND	FIXED INCOME	MONDELEZ INTL HLDINGS NE	578,854.53	595,000	0.23	2	10/28/2021
MML SHORT-DURATION BOND FUND	FIXED INCOME	FLAGSHIP CREDIT AUTO TRUST	402,704.95	410,000	0.16	2.71	11/15/2022
MML SHORT-DURATION BOND FUND	FIXED INCOME	FLAGSHIP CREDIT AUTO TRUST	906,599.42	910,000	0.37	2.41	10/15/2021
MML SHORT-DURATION BOND FUND	FIXED INCOME	US TREASURY N/B	4,115,633.02	4,150,000	1.66	0.75	10/31/2018
MML SHORT-DURATION BOND FUND	FIXED INCOME	GOVERNMENT NATIONAL MORTGAGE A	157,351.51	154,006	0.06	2.82933	5/20/2041
MML SHORT-DURATION BOND FUND	FIXED INCOME	HERCULES CAPITAL FUNDING TRUST	95,124.88	95,036	0.04	3.524	4/16/2021
MML SHORT-DURATION BOND FUND	FIXED INCOME	EDP FINANCE BV	671,895.13	652,000	0.27	4.125	1/15/2020
MML SHORT-DURATION BOND FUND	FIXED INCOME	LABORATORY CORP OF AMER	471,237.48	470,000	0.19	2.625	2/1/2020
MML SHORT-DURATION BOND FUND	FIXED INCOME	EXETER AUTOMOBILE RECEIVABLES	657,638.41	650,000	0.27	3.9	3/15/2021
MML SHORT-DURATION BOND FUND	FIXED INCOME	BM1047968 CDS USD R F 3.00000	350,009.25	410,000	0.14	3	11/17/2045
MML SHORT-DURATION BOND FUND	FIXED INCOME	BM1047968 CDS USD P V 01MEVENT	(410,000.00)	(410,000)	0.17	1	11/17/2045
MML SHORT-DURATION BOND FUND	FIXED INCOME	STANLEY BLACK + DECKER I	611,842.55	610,000	0.25	2.451	11/17/2018
MML SHORT-DURATION BOND FUND	FIXED INCOME	TTX CO	299,263.04	300,000	0.12	2.25	2/1/2019
MML SHORT-DURATION BOND FUND	FIXED INCOME	BM1058742 CDS USD R F 3.00000	128,052.17	150,000	0.05	3	5/11/2063
MML SHORT-DURATION BOND FUND	FIXED INCOME	BM1058742 CDS USD P V 01MEVENT	(150,000.00)	(150,000)	0.06	1	5/11/2063
MML SHORT-DURATION BOND FUND	FIXED INCOME	DRB PRIME STUDENT LOAN TRUST	115,028.96	115,032	0.05	3.06	7/25/2031
MML SHORT-DURATION BOND FUND	FIXED INCOME	SANTANDER DRIVE AUTO RECEIVABL	43,877.00	43,885	0.02	1.62	3/16/2020
MML SHORT-DURATION BOND FUND	FIXED INCOME	ENTERGY TEXAS INC	94,301.53	95,000	0.04	2.55	6/1/2021
MML SHORT-DURATION BOND FUND	FIXED INCOME	SMB PRIVATE EDUCATION LOAN TRU	147,668.30	144,000	0.06	2.92703	2/17/2032

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML SHORT-DURATION BOND FUND	FIXED INCOME	CPS AUTO TRUST	189,579.19	190,000	0.08	2.48	9/15/2020
MML SHORT-DURATION BOND FUND	FIXED INCOME	EARNST STUDENT LOAN PROGRAM L	389,842.82	397,165	0.16	2.68	7/25/2035
MML SHORT-DURATION BOND FUND	FIXED INCOME	SOCIAL PROFESSIONAL LOAN PROGR	328,042.90	330,000	0.13	2.49	1/25/2036
MML SHORT-DURATION BOND FUND	FIXED INCOME	SHELLPOINT CO ORIGINATOR TRUST	905,730.54	912,369	0.37	3	10/25/2031
MML SHORT-DURATION BOND FUND	FIXED INCOME	ENTERPRISE FLEET FINANCING LLC	211,023.54	210,000	0.09	2.6	7/20/2022
MML SHORT-DURATION BOND FUND	FIXED INCOME	CAPITAL AUTOMOTIVE REIT	261,953.19	258,267	0.11	3.87	4/15/2047
MML SHORT-DURATION BOND FUND	FIXED INCOME	GLOBAL SC FINANCE SRL	315,545.18	310,619	0.13	3.85	4/15/2037
MML SHORT-DURATION BOND FUND	FIXED INCOME	EDLINC STUDENT LOAN FUNDING TR	695,132.20	700,000	0.28	1	12/1/2047
MML SHORT-DURATION BOND FUND	FUTURE	US 10YR ULTRA FUT MAR18	-	(8,400,000)	0.01	0	3/20/2018
MML SHORT-DURATION BOND FUND	FIXED INCOME	DENALI CAPITAL CLO X LTD	351,193.50	350,000	0.14	2.42064	10/26/2027
MML SHORT-DURATION BOND FUND	FIXED INCOME	MARLETTE FUNDING TRUST	261,891.62	261,998	0.11	2.36	12/15/2024
MML SHORT-DURATION BOND FUND	FIXED INCOME	ELARA HGV TIMESHARE ISSUER	258,374.97	260,334	0.10	2.69	3/25/2030
MML SHORT-DURATION BOND FUND	FIXED INCOME	HERCULES CAPITAL INC	1,125,471.24	1,110,000	0.45	4.625	10/23/2022
MML SHORT-DURATION BOND FUND	FIXED INCOME	GLENCORE FUNDING LLC	257,465.00	260,000	0.10	3	10/27/2022
MML SHORT-DURATION BOND FUND	CASH EQUIVALENT	HYUNDAI CAPITAL AMERICA	2,172,485.70	2,175,000	0.88	0	1/22/2018
MML SHORT-DURATION BOND FUND	FIXED INCOME	AVANT LOANS FUNDING TRUST	595,221.32	595,374	0.24	2.29	6/15/2020
MML SHORT-DURATION BOND FUND	CASH EQUIVALENT	FEDEX CORPORATION	2,248,943.13	2,250,000	0.91	0	1/8/2018
MML SHORT-DURATION BOND FUND	CASH EQUIVALENT	HP INC	1,999,443.88	2,000,000	0.81	0	1/5/2018
MML SHORT-DURATION BOND FUND	CASH EQUIVALENT	THOMSON REUTERS CORP	1,995,423.00	2,000,000	0.81	0	2/13/2018
MML SHORT-DURATION BOND FUND	CASH EQUIVALENT	MARRIOTT INTERNATION	1,998,282.00	2,000,000	0.81	0	1/16/2018
MML SHORT-DURATION BOND FUND	FIXED INCOME	NP SPE II LLC	187,137.89	188,313	0.08	3.372	10/21/2047
MML SHORT-DURATION BOND FUND	FIXED INCOME	FLAGSHIP CREDIT AUTO TRUST	647,606.38	650,000	0.26	2.92	11/15/2023
MML SHORT-DURATION BOND FUND	FIXED INCOME	FIRST INVESTORS AUTO OWNER TRU	338,367.32	340,000	0.14	2.72	4/17/2023
MML SHORT-DURATION BOND FUND	FIXED INCOME	ANDEAVOR LOGIS LP/CORP	169,677.47	170,000	0.07	3.5	12/1/2022
MML SHORT-DURATION BOND FUND	FUTURE	US 10YR NOTE (CBT)MAR18	-	23,200,000	0.02	0	3/20/2018
MML SHORT-DURATION BOND FUND	FIXED INCOME	HERO FUNDING TRUST	307,432.34	308,274	0.12	3.19	9/20/2048
MML SHORT-DURATION BOND FUND	FIXED INCOME	AMERICAN CREDIT ACCEPTANCE REC	769,596.29	770,000	0.31	2.94	1/10/2024
MML SHORT-DURATION BOND FUND	FIXED INCOME	AMERICAN TOWER CORP	349,083.39	350,000	0.14	3	6/15/2023
MML SHORT-DURATION BOND FUND	FIXED INCOME	ONEMAIN DIRECT AUTO RECEIVABLE	449,605.26	450,000	0.18	2.31	12/14/2021
MML SHORT-DURATION BOND FUND	FIXED INCOME	MARINER FINANCE ISSUANCE TRUST	898,236.54	900,000	0.36	2.92	12/20/2029
MML SHORT-DURATION BOND FUND	FIXED INCOME	FREDDIE MAC	434,455.94	431,131	0.18	3	3/15/2041
MML SHORT-DURATION BOND FUND	FIXED INCOME	FANNIE MAE	342,129.80	339,965	0.14	3	1/25/2041
MML SHORT-DURATION BOND FUND	CASH EQUIVALENT	SUNCOR ENERGY INC	1,494,406.25	1,500,000	0.60	0	3/14/2018
MML SHORT-DURATION BOND FUND	FIXED INCOME	JP MORGAN MORTGAGE TRUST	638,657.08	630,000	0.26	3.5	12/25/2048
MML SHORT-DURATION BOND FUND	OPTIONS	BM1106269 SWAPTION	308,183.22	6,340,000	0.12	0	12/13/2032
MML SHORT-DURATION BOND FUND	OPTIONS	BM1105998 SWAPTION	610,143.12	12,910,000	0.25	0	12/13/2032
MML SHORT-DURATION BOND FUND	CASH EQUIVALENT	SPECTRA ENERGY PARTNERS	2,248,943.13	2,250,000	0.91	0	1/8/2018
MML SHORT-DURATION BOND FUND	FIXED INCOME	NELNET PRIVATE EDUCATION LOAN	332,484.35	331,832	0.13	3.0775	12/26/2040
MML SHORT-DURATION BOND FUND	FIXED INCOME	CITIGROUP INC	35,016.14	35,000	0.01	2.45	1/10/2020
MML SHORT-DURATION BOND FUND	FIXED INCOME	SUMITOMO MITSUI FINL GRP	150,297.86	150,000	0.06	2.846	1/11/2022
MML SHORT-DURATION BOND FUND	FIXED INCOME	CPS AUTO TRUST	1,150,763.26	1,150,000	0.46	2.68	5/17/2021
MML SHORT-DURATION BOND FUND	CASH EQUIVALENT	ANHEUSER BUSCH INBEV WORLDWIDE	1,998,922.66	2,000,000	0.81	0	1/10/2018
MML SHORT-DURATION BOND FUND	FIXED INCOME	BROADCOM CRP / CAYMN FI	941,953.21	950,000	0.38	3	1/15/2022
MML SHORT-DURATION BOND FUND	FIXED INCOME	ACCESS GROUP INC	1,233,154.00	1,250,000	0.50	1.699	7/1/2039
MML SHORT-DURATION BOND FUND	FIXED INCOME	ATHENE GLOBAL FUNDING	1,279,558.53	1,240,000	0.52	4	1/25/2022
MML SHORT-DURATION BOND FUND	FIXED INCOME	PARK AEROSPACE HOLDINGS	1,197,468.75	1,205,000	0.48	5.25	8/15/2022
MML SHORT-DURATION BOND FUND	FIXED INCOME	TECH DATA CORP	240,744.25	240,000	0.10	3.7	2/15/2022
MML SHORT-DURATION BOND FUND	FIXED INCOME	MOSAIC SOLAR LOANS LLC	112,166.75	109,934	0.05	4.45	6/20/2042
MML SHORT-DURATION BOND FUND	FIXED INCOME	FLAGSHIP CREDIT AUTO TRUST	616,311.80	615,000	0.25	2.83	3/15/2023
MML SHORT-DURATION BOND FUND	FIXED INCOME	MARTIN MARIETTA MATERIAL	397,101.73	395,000	0.16	2.09594	5/22/2020
MML SHORT-DURATION BOND FUND	FIXED INCOME	CLI FUNDING LLC	375,041.77	374,785	0.15	3.62	5/18/2042
MML SHORT-DURATION BOND FUND	FIXED INCOME	HEALTHCARE TRUST OF AMER	274,275.67	275,000	0.11	2.95	7/1/2022

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML SHORT-DURATION BOND FUND	FIXED INCOME	COMMONBOND STUDENT LOAN TRUST	528,193.95	520,000	0.21	5.28	5/25/2041
MML SHORT-DURATION BOND FUND	FIXED INCOME	JACKSON NATL LIFE GLOBAL	1,152,038.26	1,165,000	0.46	2.5	6/27/2022
MML SHORT-DURATION BOND FUND	CASH EQUIVALENT	FORD MOTOR CREDIT CO	1,246,215.41	1,250,000	0.50	0	3/1/2018
MML SHORT-DURATION BOND FUND	CASH EQUIVALENT	RECKITT BENCKISER TREAS	1,498,876.50	1,500,000	0.60	0	1/16/2018
MML SHORT-DURATION BOND FUND	FIXED INCOME	OCF CLO LTD	651,665.95	650,000	0.26	2.80333	4/17/2027
MML SHORT-DURATION BOND FUND	CASH EQUIVALENT	BELL CANADA	1,746,084.38	1,750,000	0.70	0	2/12/2018
MML SHORT-DURATION BOND FUND	CASH EQUIVALENT	SEMPRA ENERGY HOLDIN	2,248,943.13	2,250,000	0.91	0	1/8/2018
MML SHORT-DURATION BOND FUND	FIXED INCOME	NEUBERGER BERMAN CLO LTD	250,036.25	250,000	0.10	6.62282	1/15/2028
MML SHORT-DURATION BOND FUND	CASH EQUIVALENT	POTASH CORP SASK	1,997,285.56	2,000,000	0.81	0	1/26/2018
MML SHORT-DURATION BOND FUND	CASH EQUIVALENT	MOLEX ELECTRONIC TECHNOLOGIES	1,999,374.66	2,000,000	0.81	0	1/4/2018
MML SHORT-DURATION BOND FUND	FIXED INCOME	MARTIN MARIETTA MATERIAL	185,301.37	185,000	0.07	2.12548	12/20/2019
MML SHORT-DURATION BOND FUND	CASH EQUIVALENT	CARNIVAL CORP	1,398,311.25	1,400,000	0.56	0	1/23/2018
MML SHORT-DURATION BOND FUND	CASH EQUIVALENT	FMC TECH INC	1,498,637.54	1,500,000	0.60	0	1/17/2018
MML SHORT-DURATION BOND FUND	CASH EQUIVALENT	PUBLIC SEVC. ENT. GR	1,996,688.78	2,000,000	0.81	0	2/1/2018
MML SHORT-DURATION BOND FUND	CASH EQUIVALENT	TELUS CORP	2,246,607.43	2,250,000	0.91	0	1/29/2018
MML SHORT-DURATION BOND FUND	CASH EQUIVALENT	RELX INC	2,249,582.76	2,250,000	0.91	0	1/2/2018
MML SHORT-DURATION BOND FUND	CASH EQUIVALENT	COX ENTERPRISES INC	2,249,532.00	2,250,000	0.91	0	1/2/2018
MML SHORT-DURATION BOND FUND	CASH EQUIVALENT	SO. CALIF EDISON	2,249,277.75	2,250,000	0.91	0	1/5/2018
MML SHORT-DURATION BOND FUND	FIXED INCOME	321 HENDERSON RECEIVABLES LLC	269,844.37	264,305	0.11	3.82	12/15/2048
MML SHORT-DURATION BOND FUND	CASH EQUIVALENT	VOLVO GROUP TRSY NA	1,998,183.38	2,000,000	0.81	0	1/17/2018
MML SHORT-DURATION BOND FUND	CASH EQUIVALENT	EURO TIME DEPOSIT (USD)	527,090.94	527,091	0.21	0.000003	1/2/2018
MML SHORT-DURATION BOND FUND	FIXED INCOME	DDR CORP	354,415.19	345,000	0.14	7.5	7/15/2018
MML SHORT-DURATION BOND FUND	FIXED INCOME	FNMA POOL 529453	611.65	523	0.00	7.5	1/1/2030
MML SHORT-DURATION BOND FUND	FIXED INCOME	GNMA POOL 500928	965.89	833	0.00	7	5/15/2029
MML SHORT-DURATION BOND FUND	FIXED INCOME	FNMA POOL 252926	43.81	37	0.00	8	12/1/2029
MML SHORT-DURATION BOND FUND	FIXED INCOME	GNMA POOL 352022	1,512.78	1,377	0.00	7	11/15/2023
MML SHORT-DURATION BOND FUND	FIXED INCOME	GNMA POOL 510083	272.14	236	0.00	7	7/15/2029
MML SHORT-DURATION BOND FUND	FIXED INCOME	GNMA II POOL 008746	1,003.93	986	0.00	2.25	11/20/2025
MML SHORT-DURATION BOND FUND	FIXED INCOME	GNMA POOL 493723	588.45	505	0.00	7	8/15/2029
MML SHORT-DURATION BOND FUND	FIXED INCOME	FNMA POOL 253437	42.48	36	0.00	8	9/1/2030
MML SHORT-DURATION BOND FUND	FIXED INCOME	FNMA POOL 575667	2,818.43	2,419	0.00	7	3/1/2031
MML SHORT-DURATION BOND FUND	FIXED INCOME	GNMA POOL 478658	504.93	434	0.00	7	5/15/2029
MML SHORT-DURATION BOND FUND	FIXED INCOME	GNMA POOL 491089	2,062.85	1,839	0.00	7	12/15/2028
MML SHORT-DURATION BOND FUND	FIXED INCOME	FNMA POOL 597220	765.09	644	0.00	8	9/1/2031
MML SHORT-DURATION BOND FUND	FIXED INCOME	BRAZOS STUDENT FINANCE CORP	196,429.60	200,000	0.08	1.729	7/1/2038
MML SHORT-DURATION BOND FUND	FIXED INCOME	COUNTRYWIDE HOME LOANS	3,645.29	3,552	0.00	3.44453	2/25/2034
MML SHORT-DURATION BOND FUND	FIXED INCOME	STRUCTURED ADJUSTABLE RATE MOR	5,872.10	5,695	0.00	3.49421	3/25/2034
MML SHORT-DURATION BOND FUND	FIXED INCOME	BANC OF AMERICA MORTGAGE SECUR	8,379.17	8,325	0.00	3.81026	8/25/2034
MML SHORT-DURATION BOND FUND	FIXED INCOME	NORTHSTAR EDUCATION FINANCE, I	185,784.95	198,587	0.07	2.12796	10/30/2045
MML SHORT-DURATION BOND FUND	FIXED INCOME	COUNTRYWIDE PARTNERSHIP TRUST	96,879.72	102,644	0.04	2.45213	2/25/2035
MML SHORT-DURATION BOND FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	126,440.39	134,631	0.05	1.58742	3/25/2044
MML SHORT-DURATION BOND FUND	FIXED INCOME	WACHOVIA BANK COMMERCIAL MORTG	230,328.25	229,650	0.09	6.01095	2/15/2051
MML SHORT-DURATION BOND FUND	FIXED INCOME	FNMA POOL 888586	27,089.30	25,737	0.01	3.282	10/1/2034
MML SHORT-DURATION BOND FUND	FIXED INCOME	FNMA POOL 523499	65.61	56	0.00	8	11/1/2029
MML SHORT-DURATION BOND FUND	FIXED INCOME	GNMA POOL 499410	293.77	252	0.00	7	7/15/2029
MML SHORT-DURATION BOND FUND	FIXED INCOME	RPM INTERNATIONAL INC	1,147,783.39	1,078,000	0.46	6.125	10/15/2019
MML SHORT-DURATION BOND FUND	FIXED INCOME	GSAMP TRUST	23,760.42	23,650	0.01	2.19713	4/25/2035
MML SHORT-DURATION BOND FUND	FIXED INCOME	NORTH CAROLINA ST EDU ASSISTAN	22,169.97	22,129	0.01	1.6145	1/26/2026
MML SHORT-DURATION BOND FUND	FIXED INCOME	TRIP RAIL MASTER FUNDING LLC	727,092.44	670,000	0.29	6.024	7/15/2041
MML SHORT-DURATION BOND FUND	FIXED INCOME	DRUG ROYALTY CORPORATION, INC.	35,338.09	35,000	0.01	6.13	7/15/2024
MML SHORT-DURATION BOND FUND	FIXED INCOME	NEWCREST FINANCE PTY LTD	588,452.64	565,000	0.24	4.2	10/1/2022
MML SHORT-DURATION BOND FUND	FIXED INCOME	GLOBAL SC FINANCE SRL	155,697.72	157,333	0.06	2.98	4/17/2028

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML SHORT-DURATION BOND FUND	FIXED INCOME	HIGHER EDUCATION FUNDING	832,043.25	950,000	0.34	1.12	1/1/2044
MML SHORT-DURATION BOND FUND	FIXED INCOME	BEAR STEARNS ASSET BACKED SECU	114,734.25	114,446	0.05	2.03213	12/25/2035
MML SHORT-DURATION BOND FUND	FIXED INCOME	CREDIT SUISSE ABS REPACKAGING	115,043.93	121,880	0.05	2.5	1/25/2030
MML SHORT-DURATION BOND FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	117,407.60	120,000	0.05	2.8275	12/28/2070
MML SHORT-DURATION BOND FUND	FIXED INCOME	JBS INVESTMENTS GMBH	204,000.00	200,000	0.08	7.75	10/28/2020
MML SHORT-DURATION BOND FUND	FIXED INCOME	EDUCATION LOAN ASSET BACKED TR	503,500.37	503,179	0.20	2.35213	6/25/2026
MML SHORT-DURATION BOND FUND	FIXED INCOME	NELNET STUDENT LOAN TRUST	156,250.21	170,000	0.06	2.82862	10/25/2047
MML SHORT-DURATION BOND FUND	FIXED INCOME	SMB PRIVATE EDUCATION LOAN TRU	656,996.75	648,539	0.27	2.62703	5/15/2026
MML SHORT-DURATION BOND FUND	FIXED INCOME	AMTRUST FINANCIAL SERVIC	561,892.50	585,000	0.23	6.125	8/15/2023
MML HIGH YIELD FUND	FIXED INCOME	WARRIOR MET COAL INC	350,017.50	339,000	0.26	8	11/1/2024
MML HIGH YIELD FUND	FIXED INCOME	ACRISURE LLC / FIN INC	516,575.36	536,000	0.38	7	11/15/2025
MML HIGH YIELD FUND	FIXED INCOME	PLATFORM SPECIALTY PROD	410,895.00	414,000	0.30	5.875	12/1/2025
MML HIGH YIELD FUND	FIXED INCOME	TELEFLEX INC	183,556.10	182,000	0.14	4.625	11/15/2027
MML HIGH YIELD FUND	FIXED INCOME	WELLTEC A/S	1,005,000.00	1,000,000	0.74	9.5	12/1/2022
MML HIGH YIELD FUND	FIXED INCOME	HESS INF PART / FIN CORP	387,187.50	375,000	0.29	5.625	2/15/2026
MML HIGH YIELD FUND	FIXED INCOME	POST HOLDINGS INC	470,480.40	468,000	0.35	5.625	1/15/2028
MML HIGH YIELD FUND	FIXED INCOME	JAMES HARDIE INTL FIN	690,137.50	685,000	0.51	5	1/15/2028
MML HIGH YIELD FUND	FIXED INCOME	NRG ENERGY INC	772,650.00	765,000	0.57	5.75	1/15/2028
MML HIGH YIELD FUND	FIXED INCOME	JELD WEN INC	183,820.00	182,000	0.14	4.875	12/15/2027
MML HIGH YIELD FUND	FIXED INCOME	STANDARD INDUSTRIES INC	1,348,106.95	1,345,000	1.00	4.75	1/15/2028
MML HIGH YIELD FUND	FIXED INCOME	MATTEL INC	344,573.00	340,000	0.25	6.75	12/31/2025
MML HIGH YIELD FUND	CASH EQUIVALENT	EURO TIME DEPOSIT (USD)	1,494,185.98	1,494,186	1.10	0.000003	1/2/2018
MML HIGH YIELD FUND	FIXED INCOME	INTERNATIONAL AUTOMOTIVE	1,637,460.00	1,654,000	1.21	9.125	6/1/2018
MML HIGH YIELD FUND	FIXED INCOME	J.B. POINDEXTER + CO	2,487,925.00	2,398,000	1.84	9	4/1/2022
MML HIGH YIELD FUND	FIXED INCOME	KINROSS GOLD CORP	538,475.00	476,000	0.40	6.875	9/1/2041
MML HIGH YIELD FUND	FIXED INCOME	KEHE DISTRIBUTORS LLC/FI	651,625.00	650,000	0.48	7.625	8/15/2021
MML HIGH YIELD FUND	FIXED INCOME	TELECOM ITALIA SPA	546,560.00	512,000	0.40	5.303	5/30/2024
MML HIGH YIELD FUND	FIXED INCOME	WYNN LAS VEGAS LLC/CORP	498,765.00	492,000	0.37	5.25	5/15/2027
MML HIGH YIELD FUND	CASH EQUIVALENT	MONDELEZ INTL INC	1,299,758.93	1,300,000	0.96	0	1/2/2018
MML HIGH YIELD FUND	CASH EQUIVALENT	TYCO INTL HLDG SARL	2,499,537.50	2,500,000	1.85	0	1/2/2018
MML HIGH YIELD FUND	FIXED INCOME	PINNACLE OPERATING CORP	1,550,795.46	1,667,522	1.15	9	5/15/2023
MML HIGH YIELD FUND	FIXED INCOME	VALEANT PHARMACEUTICALS	310,300.00	290,000	0.23	7	3/15/2024
MML HIGH YIELD FUND	FIXED INCOME	VALEANT PHARMACEUTICALS	179,550.00	171,000	0.13	6.5	3/15/2022
MML HIGH YIELD FUND	FIXED INCOME	FIRST QUANTUM MINERALS L	710,072.50	659,000	0.52	7.25	4/1/2023
MML HIGH YIELD FUND	FIXED INCOME	FIRST QUANTUM MINERALS L	707,420.00	652,000	0.52	7.5	4/1/2025
MML HIGH YIELD FUND	FIXED INCOME	NRG ENERGY INC	742,365.00	702,000	0.55	6.625	1/15/2027
MML HIGH YIELD FUND	FIXED INCOME	CARDTRONICS INC / USA	521,645.00	578,000	0.39	5.5	5/1/2025
MML HIGH YIELD FUND	FIXED INCOME	USIS MERGER SUB INC	312,090.00	309,000	0.23	6.875	5/1/2025
MML HIGH YIELD FUND	FIXED INCOME	ALLIANCE RES OP/FINANCE	710,812.50	669,000	0.53	7.5	5/1/2025
MML HIGH YIELD FUND	FIXED INCOME	HUGHES SATELLITE SYSTEMS	821,100.00	805,000	0.61	5.25	8/1/2026
MML HIGH YIELD FUND	FIXED INCOME	ASSUREDPARTNERS INC	511,430.00	514,000	0.38	7	8/15/2025
MML HIGH YIELD FUND	FIXED INCOME	UNITED RENTALS NORTH AM	366,825.00	365,000	0.27	4.875	1/15/2028
MML HIGH YIELD FUND	FIXED INCOME	VFH PARENT LLC/ORCHESTRA	1,335,622.50	1,269,000	0.99	6.75	6/15/2022
MML HIGH YIELD FUND	FIXED INCOME	CCO HLDGS LLC/CAP CORP	1,056,135.00	1,086,000	0.78	5	2/1/2028
MML HIGH YIELD FUND	FIXED INCOME	TRIUMPH GROUP INC	499,848.75	471,000	0.37	7.75	8/15/2025
MML HIGH YIELD FUND	FIXED INCOME	WEST STREET MERGER SUB	490,222.50	489,000	0.36	6.375	9/1/2025
MML HIGH YIELD FUND	FIXED INCOME	BIG RIVER STEEL/BRS FIN	597,487.50	565,000	0.44	7.25	9/1/2025
MML HIGH YIELD FUND	FIXED INCOME	MPT OPER PARTNERSP/FINL	668,300.00	656,000	0.49	5	10/15/2027
MML HIGH YIELD FUND	FIXED INCOME	UNITED RENTALS NORTH AM	250,867.50	249,000	0.19	4.625	10/15/2025
MML HIGH YIELD FUND	FIXED INCOME	NEXTERA ENERGY OPERATING	201,465.00	198,000	0.15	4.25	9/15/2024
MML HIGH YIELD FUND	FIXED INCOME	MIDCONTINENT COMM + FIN	916,920.00	864,000	0.68	6.875	8/15/2023
MML HIGH YIELD FUND	FIXED INCOME	HALYARD HEALTH INC	1,345,500.00	1,300,000	0.99	6.25	10/15/2022

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML HIGH YIELD FUND	FIXED INCOME	RHP HOTEL PPTY/RHP FINAN	806,752.50	789,000	0.60	5	4/15/2023
MML HIGH YIELD FUND	FIXED INCOME	T MOBILE USA INC	740,958.75	679,000	0.55	6.5	1/15/2026
MML HIGH YIELD FUND	FIXED INCOME	HCA INC	1,203,435.00	1,138,000	0.89	5.875	2/15/2026
MML HIGH YIELD FUND	FIXED INCOME	CCO HLDGS LLC/CAP CORP	1,563,750.00	1,500,000	1.16	5.875	4/1/2024
MML HIGH YIELD FUND	FIXED INCOME	AIRCASTLE LTD	119,073.75	113,000	0.09	5	4/1/2023
MML HIGH YIELD FUND	FIXED INCOME	T MOBILE USA INC	480,180.00	453,000	0.35	6	4/15/2024
MML HIGH YIELD FUND	FIXED INCOME	PRIME SECSRVC BRW/FINANC	1,244,310.00	1,121,000	0.92	9.25	5/15/2023
MML HIGH YIELD FUND	FIXED INCOME	REGIONALCARE HOSPITAL PR	185,680.00	176,000	0.14	8.25	5/1/2023
MML HIGH YIELD FUND	FIXED INCOME	STONEMOR PART/CORNER FAM	769,300.00	785,000	0.57	7.875	6/1/2021
MML HIGH YIELD FUND	FIXED INCOME	CHEMOURS CO	443,765.00	409,000	0.33	7	5/15/2025
MML HIGH YIELD FUND	FIXED INCOME	PENSKE AUTOMOTIVE GROUP	1,014,700.00	1,000,000	0.75	5.5	5/15/2026
MML HIGH YIELD FUND	FIXED INCOME	SIRIUS XM RADIO INC	173,053.75	167,000	0.13	5.375	7/15/2026
MML HIGH YIELD FUND	FIXED INCOME	VERITAS US INC/BERMUDA L	447,200.00	430,000	0.33	10.5	2/1/2024
MML HIGH YIELD FUND	FIXED INCOME	FIELDWOOD ENERGY LLC	607,098.77	674,554	0.45	0	8/31/2020
MML HIGH YIELD FUND	FIXED INCOME	FIELDWOOD ENERGY LLC	266,004.85	387,384	0.20	0	9/30/2020
MML HIGH YIELD FUND	FIXED INCOME	DECK CHASSIS ACQ INC	2,239,462.50	2,013,000	1.65	10	6/15/2023
MML HIGH YIELD FUND	FIXED INCOME	WMG ACQUISITION CORP	271,170.00	262,000	0.20	5	8/1/2023
MML HIGH YIELD FUND	FIXED INCOME	DISH DBS CORP	1,037,583.75	987,000	0.77	7.75	7/1/2026
MML HIGH YIELD FUND	FIXED INCOME	SUNOCO LP/FINANCE CORP	1,247,400.00	1,200,000	0.92	6.25	4/15/2021
MML HIGH YIELD FUND	FIXED INCOME	ALLISON TRANSMISSION INC	303,187.50	294,000	0.22	5	10/1/2024
MML HIGH YIELD FUND	FIXED INCOME	RP CROWN PARENT LLC	200,072.50	191,000	0.15	7.375	10/15/2024
MML HIGH YIELD FUND	FIXED INCOME	GULF FIN LLC	466,302.63	520,764	0.34	0	8/25/2023
MML HIGH YIELD FUND	FIXED INCOME	BRUNSWICK CORP	329,729.36	285,000	0.24	7.375	9/1/2023
MML HIGH YIELD FUND	FIXED INCOME	BRUNSWICK CORP	2,687,485.46	2,245,000	1.99	7.125	8/1/2027
MML HIGH YIELD FUND	CASH	US DOLLAR	0.01	0	0.00	0	
MML HIGH YIELD FUND	FIXED INCOME	TRANSOCEAN INC	158,895.00	198,000	0.12	6.8	3/15/2038
MML HIGH YIELD FUND	FIXED INCOME	DELL INC	538,257.50	529,000	0.40	6.5	4/15/2038
MML HIGH YIELD FUND	FIXED INCOME	ALLY FINANCIAL INC	1,339,000.00	1,030,000	0.99	8	11/1/2031
MML HIGH YIELD FUND	FIXED INCOME	HUGHES SATELLITE SYSTEMS	284,920.00	272,000	0.21	6.625	8/1/2026
MML HIGH YIELD FUND	FIXED INCOME	TEMPO ACQUISITION LLC/FI	711,040.00	704,000	0.53	6.75	6/1/2025
MML HIGH YIELD FUND	FIXED INCOME	BOOZ ALLEN HAMILTON INC	405,010.00	404,000	0.30	5.125	5/1/2025
MML HIGH YIELD FUND	FIXED INCOME	ALMONDE INC	1,411,453.44	1,411,101	1.04	0	6/13/2025
MML HIGH YIELD FUND	FIXED INCOME	CHEMOURS CO	229,770.00	222,000	0.17	5.375	5/15/2027
MML HIGH YIELD FUND	FIXED INCOME	SUNCOKE ENRGY PART LP/FI	1,058,585.00	1,013,000	0.78	7.5	6/15/2025
MML HIGH YIELD FUND	FIXED INCOME	CHESAPEAKE ENERGY CORP	288,000.00	300,000	0.21	8	6/15/2027
MML HIGH YIELD FUND	FIXED INCOME	CONSOLIDATED ENERGY FIN	694,300.00	655,000	0.51	6.875	6/15/2025
MML HIGH YIELD FUND	FIXED INCOME	HERTZ CORP	1,571,250.00	1,500,000	1.16	7.625	6/1/2022
MML HIGH YIELD FUND	FIXED INCOME	TENET HEALTHCARE CORP	390,000.00	400,000	0.29	4.625	7/15/2024
MML HIGH YIELD FUND	FIXED INCOME	AMC ENTERTAINMENT HOLDIN	108,182.50	109,000	0.08	6.125	5/15/2027
MML HIGH YIELD FUND	FIXED INCOME	J2 CLOUD LLC/GLOBAL INC	486,255.00	462,000	0.36	6	7/15/2025
MML HIGH YIELD FUND	FIXED INCOME	APTIM CORP	996,065.00	1,043,000	0.74	7.75	6/15/2025
MML HIGH YIELD FUND	FIXED INCOME	KINROSS GOLD CORP	644,000.00	640,000	0.48	4.5	7/15/2027
MML HIGH YIELD FUND	FIXED INCOME	CORE + MAIN LP	29,435.00	29,000	0.02	6.125	8/15/2025
MML HIGH YIELD FUND	FIXED INCOME	FERL PRT LP/FERL PRT FIN	382,772.50	449,000	0.28	8.625	6/15/2020
MML HIGH YIELD FUND	FIXED INCOME	CHS/COMMUNITY HEALTH SYS	510,300.00	567,000	0.38	6.25	3/31/2023
MML HIGH YIELD FUND	FIXED INCOME	LPL HOLDINGS INC	1,387,870.00	1,364,000	1.03	5.75	9/15/2025
MML HIGH YIELD FUND	FIXED INCOME	AIRCASTLE LTD	869,855.00	857,000	0.64	4.125	5/1/2024
MML HIGH YIELD FUND	FIXED INCOME	POST HOLDINGS INC	319,815.00	309,000	0.24	5.5	3/1/2025
MML HIGH YIELD FUND	FIXED INCOME	POST HOLDINGS INC	388,685.00	382,000	0.29	5.75	3/1/2027
MML HIGH YIELD FUND	FIXED INCOME	A SCHULMAN INC	1,156,480.00	1,112,000	0.85	6.875	6/1/2023
MML HIGH YIELD FUND	FIXED INCOME	TRANSDIGM INC	1,231,190.00	1,219,000	0.91	6.375	6/15/2026
MML HIGH YIELD FUND	EQUITY	PINNACLE AGRICULTURE ENTERPRIS	1,041,526.85	1,144,535	0.77		

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML HIGH YIELD FUND	FIXED INCOME	AVANTOR INC	1,376,045.00	1,397,000	1.02	9	10/1/2025
MML HIGH YIELD FUND	FIXED INCOME	AVANTOR INC	649,555.00	652,000	0.48	6	10/1/2024
MML HIGH YIELD FUND	FIXED INCOME	PILGRIM S PRIDE CORP	432,600.00	420,000	0.32	5.875	9/30/2027
MML HIGH YIELD FUND	FIXED INCOME	JONAH NRG LLC/FINANCE	992,387.50	985,000	0.73	7.25	10/15/2025
MML HIGH YIELD FUND	FIXED INCOME	VALEANT PHARMACEUTICALS	281,847.50	277,000	0.21	5.5	11/1/2025
MML HIGH YIELD FUND	FIXED INCOME	ENERGY TRANSFER EQUITY	1,353,770.00	1,364,000	1.00	4.25	3/15/2023
MML HIGH YIELD FUND	FIXED INCOME	NORTHWEST ACQ/DOMINION	143,517.50	139,000	0.11	7.125	11/1/2022
MML HIGH YIELD FUND	FIXED INCOME	BEACON ESCROW CORP	625,336.25	623,000	0.46	4.875	11/1/2025
MML HIGH YIELD FUND	FIXED INCOME	CENTENE CORPORATION	1,496,250.00	1,500,000	1.11	0	9/13/2018
MML HIGH YIELD FUND	FIXED INCOME	PBF HOLDING CO LLC	971,250.00	925,000	0.72	7.25	6/15/2025
MML HIGH YIELD FUND	FIXED INCOME	FERL PRT LP/FERL PRT FIN	632,555.00	742,000	0.47	8.625	6/15/2020
MML HIGH YIELD FUND	FIXED INCOME	ALLEGHENY TECHNOLOGIES	1,215,840.00	1,192,000	0.90	5.95	1/15/2021
MML HIGH YIELD FUND	FIXED INCOME	ARCELORMITTAL	970,255.00	767,000	0.72	7.25	3/1/2041
MML HIGH YIELD FUND	FIXED INCOME	PERRY ELLIS INTL INC	730,000.00	730,000	0.54	7.875	4/1/2019
MML HIGH YIELD FUND	FIXED INCOME	TRANSOCEAN INC	145,125.00	150,000	0.11	9.35	12/15/2041
MML HIGH YIELD FUND	FIXED INCOME	JBS USA LUX/JBS USA FIN	964,886.00	962,000	0.71	8.25	2/1/2020
MML HIGH YIELD FUND	FIXED INCOME	CLEAR CHANNEL WORLDWIDE	1,575,840.00	1,608,000	1.16	7.625	3/15/2020
MML HIGH YIELD FUND	FIXED INCOME	DIGICEL GROUP LTD	295,137.00	300,000	0.22	8.25	9/30/2020
MML HIGH YIELD FUND	FIXED INCOME	EP ENER/EVEREST ACQ FIN	300,820.00	356,000	0.22	9.375	5/1/2020
MML HIGH YIELD FUND	FIXED INCOME	ZACHRY HOLDINGS INC	1,106,350.00	1,090,000	0.82	7.5	2/1/2020
MML HIGH YIELD FUND	FIXED INCOME	APEX TOOL GROUP	539,962.50	561,000	0.40	7	2/1/2021
MML HIGH YIELD FUND	FIXED INCOME	DIGICEL LIMITED	1,008,866.50	1,025,000	0.75	6	4/15/2021
MML HIGH YIELD FUND	FIXED INCOME	WATCO COS LLC/FINANCE CO	8,280.00	8,000	0.01	6.375	4/1/2023
MML HIGH YIELD FUND	FIXED INCOME	LBC TANK TERMINAL HLDING	1,156,828.75	1,111,000	0.85	6.875	5/15/2023
MML HIGH YIELD FUND	FIXED INCOME	TRIUMPH GROUP INC	414,615.00	422,000	0.31	4.875	4/1/2021
MML HIGH YIELD FUND	FIXED INCOME	FIELDWOOD ENERGY LLC	276,904.09	863,087	0.20	0	9/30/2020
MML HIGH YIELD FUND	FIXED INCOME	APPVION INC	323,550.00	2,157,000	0.24	9	6/1/2020
MML HIGH YIELD FUND	FIXED INCOME	TENET HEALTHCARE CORP	345,950.00	340,000	0.26	8.125	4/1/2022
MML HIGH YIELD FUND	FIXED INCOME	ALTICE FINCO SA	642,675.00	615,000	0.47	8.125	1/15/2024
MML HIGH YIELD FUND	FIXED INCOME	HECLA MINING CO	1,302,775.00	1,271,000	0.96	6.875	5/1/2021
MML HIGH YIELD FUND	FIXED INCOME	DEL MONTE FOODS INC	219,492.15	276,338	0.16	0	2/18/2021
MML HIGH YIELD FUND	FIXED INCOME	WMG ACQUISITION CORP	731,500.00	700,000	0.54	6.75	4/15/2022
MML HIGH YIELD FUND	FIXED INCOME	TULLOW OIL PLC	1,048,971.00	1,045,000	0.77	6.25	4/15/2022
MML HIGH YIELD FUND	FIXED INCOME	SFR GROUP SA	205,537.50	203,000	0.15	6	5/15/2022
MML HIGH YIELD FUND	FIXED INCOME	SFR GROUP SA	260,650.00	260,000	0.19	6.25	5/15/2024
MML HIGH YIELD FUND	FIXED INCOME	CAELUS ENERGY ALASKA O3 LLC	2,778,209.53	3,139,220	2.05	0	4/15/2020
MML HIGH YIELD FUND	FIXED INCOME	ORTHO CLINICAL INC/SA	1,152,735.00	1,147,000	0.85	6.625	5/15/2022
MML HIGH YIELD FUND	FIXED INCOME	JBS USA LLC/JBS USA FINA	624,197.50	646,000	0.46	5.875	7/15/2024
MML HIGH YIELD FUND	FIXED INCOME	C+S GROUP ENTERPRISES LL	970,775.00	1,030,000	0.72	5.375	7/15/2022
MML HIGH YIELD FUND	FIXED INCOME	FERRELLGAS LP/FERRELLGAS	462,500.00	500,000	0.34	6.75	1/15/2022
MML HIGH YIELD FUND	FIXED INCOME	JUPITER RESOURCES INC	1,432,200.00	2,310,000	1.06	8.5	10/1/2022
MML HIGH YIELD FUND	FIXED INCOME	YORK RISK SERVICES HLDG	967,200.00	992,000	0.71	8.5	10/1/2022
MML HIGH YIELD FUND	FIXED INCOME	AMERICAN AIRLINES GROUP	1,429,252.50	1,391,000	1.06	5.5	10/1/2019
MML HIGH YIELD FUND	FIXED INCOME	TRIUMPH GROUP INC	92,120.00	94,000	0.07	5.25	6/1/2022
MML HIGH YIELD FUND	FIXED INCOME	CONSOLIDATED ENERGY FIN	774,317.50	761,000	0.57	6.75	10/15/2019
MML HIGH YIELD FUND	FIXED INCOME	SPRINT CORP	1,680,570.00	1,578,000	1.24	7.875	9/15/2023
MML HIGH YIELD FUND	FIXED INCOME	SPRINT CORP	788,768.75	745,000	0.58	7.25	9/15/2021
MML HIGH YIELD FUND	FIXED INCOME	TIBCO SOFTWARE INC	2,046,945.02	1,879,000	1.51	11.375	12/1/2021
MML HIGH YIELD FUND	FIXED INCOME	AIRCATTLE LTD	121,051.25	113,000	0.09	5.5	2/15/2022
MML HIGH YIELD FUND	FIXED INCOME	VALEANT PHARMACEUTICALS	413,580.00	452,000	0.31	5.5	3/1/2023
MML HIGH YIELD FUND	FIXED INCOME	KINROSS GOLD CORP	483,446.25	441,000	0.36	5.95	3/15/2024
MML HIGH YIELD FUND	FIXED INCOME	ENDO DAC/FIN LLC/FINCO	527,775.00	681,000	0.39	6	2/1/2025

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML HIGH YIELD FUND	FIXED INCOME	ALTICE LUXEMBOURG SA	957,500.00	1,000,000	0.71	7.625	2/15/2025
MML HIGH YIELD FUND	FIXED INCOME	ALTICE FINANCING SA	628,260.00	600,000	0.46	6.625	2/15/2023
MML HIGH YIELD FUND	FIXED INCOME	CITGO HOLDING INC	1,798,582.50	1,677,000	1.33	10.75	2/15/2020
MML HIGH YIELD FUND	FIXED INCOME	COVERIS HOLDINGS SA	2,621,192.50	2,641,000	1.94	7.875	11/1/2019
MML HIGH YIELD FUND	FIXED INCOME	KISSNER HLD / MILL / BSC	1,237,250.00	1,225,000	0.91	8.375	12/1/2022
MML HIGH YIELD FUND	FIXED INCOME	ROWAN COMPANIES INC	248,270.00	244,000	0.18	7.375	6/15/2025
MML HIGH YIELD FUND	FIXED INCOME	CHESAPEAKE ENERGY CORP	906,980.00	898,000	0.67	8	1/15/2025
MML HIGH YIELD FUND	FIXED INCOME	CARLSON TRAVEL INC	448,880.00	496,000	0.33	6.75	12/15/2023
MML HIGH YIELD FUND	FIXED INCOME	CARLSON TRAVEL INC	693,910.00	862,000	0.51	9.5	12/15/2024
MML HIGH YIELD FUND	FIXED INCOME	PBF HOLDING CO LLC	48,880.00	47,000	0.04	7	11/15/2023
MML HIGH YIELD FUND	FIXED INCOME	EP ENER/EVEREST ACQ FIN	789,130.00	1,081,000	0.58	8	2/15/2025
MML HIGH YIELD FUND	FIXED INCOME	PLATFORM SPECIALTY PROD	437,276.25	423,000	0.32	6.5	2/1/2022
MML HIGH YIELD FUND	FIXED INCOME	VALEANT PHARMACEUTICALS	1,503,345.00	1,643,000	1.11	6.125	4/15/2025
MML HIGH YIELD FUND	FIXED INCOME	VALEANT PHARMACEUTICALS	179,007.50	193,000	0.13	5.875	5/15/2023
MML HIGH YIELD FUND	FIXED INCOME	KOSMOS ENERGY LTD	1,864,017.50	1,823,000	1.38	7.875	8/1/2021
MML HIGH YIELD FUND	FIXED INCOME	MURRAY ENERGY CORPORATION	652,888.24	744,032	0.48	0	4/16/2020
MML HIGH YIELD FUND	FIXED INCOME	BROOKFIELD RESIDENTIAL	520,460.00	491,000	0.38	6.375	5/15/2025
MML HIGH YIELD FUND	FIXED INCOME	GENESIS ENERGY LP/GENESI	1,185,637.50	1,171,000	0.88	6	5/15/2023
MML HIGH YIELD FUND	FIXED INCOME	GCI INC	1,650,750.00	1,550,000	1.22	6.875	4/15/2025
MML HIGH YIELD FUND	FIXED INCOME	ENPRO INDUSTRIES INC	1,323,428.75	1,271,000	0.98	5.875	9/15/2022
MML HIGH YIELD FUND	FIXED INCOME	GENESIS ENERGY LP/GENESI	280,125.00	270,000	0.21	6.75	8/1/2022
MML HIGH YIELD FUND	FIXED INCOME	KENAN ADVANTAGE GROUP	3,312,000.00	3,200,000	2.45	7.875	7/31/2023
MML FUNDAMENTAL VALUE FUND	EQUITY	CATERPILLAR INC	2,611,100.60	16,570	1.09		
MML FUNDAMENTAL VALUE FUND	EQUITY	GOLDMAN SACHS GROUP INC	2,985,787.20	11,720	1.25		
MML FUNDAMENTAL VALUE FUND	EQUITY	HALLIBURTON CO	2,939,041.80	60,140	1.23		
MML FUNDAMENTAL VALUE FUND	EQUITY	MAXIM INTEGRATED PRODUCTS	2,322,277.60	44,420	0.97		
MML FUNDAMENTAL VALUE FUND	EQUITY	QUALCOMM INC	3,333,521.40	52,070	1.40		
MML FUNDAMENTAL VALUE FUND	EQUITY	TJX COMPANIES INC	2,410,019.20	31,520	1.01		
MML FUNDAMENTAL VALUE FUND	EQUITY	METLIFE INC	2,425,363.20	47,970	1.02		
MML FUNDAMENTAL VALUE FUND	EQUITY	ASTRAZENECA PLC SPONS ADR	2,423,448.00	69,840	1.01		
MML FUNDAMENTAL VALUE FUND	EQUITY	UNILEVER N V NY SHARES	1,787,033.60	31,730	0.75		
MML FUNDAMENTAL VALUE FUND	EQUITY	UNITEDHEALTH GROUP INC	3,531,769.20	16,020	1.48		
MML FUNDAMENTAL VALUE FUND	EQUITY	BLACKROCK INC	2,979,518.00	5,800	1.25		
MML FUNDAMENTAL VALUE FUND	EQUITY	VIACOM INC CLASS B	1,521,705.90	49,390	0.64		
MML FUNDAMENTAL VALUE FUND	EQUITY	CBS CORP CLASS B WHEN DISTRI	1,928,120.00	32,680	0.81		
MML FUNDAMENTAL VALUE FUND	EQUITY	LIBERTY INTERACTIVE CORP Q A	2,527,225.80	103,490	1.06		
MML FUNDAMENTAL VALUE FUND	EQUITY	INVESCO LTD	2,935,623.60	80,340	1.23		
MML FUNDAMENTAL VALUE FUND	EQUITY	PHILIP MORRIS INTERNATIONAL	3,513,919.00	33,260	1.47		
MML FUNDAMENTAL VALUE FUND	EQUITY	NETAPP INC	2,785,915.20	50,360	1.17		
MML FUNDAMENTAL VALUE FUND	EQUITY	CANADIAN NATURAL RESOURCES	2,705,790.00	75,750	1.13		
MML FUNDAMENTAL VALUE FUND	EQUITY	M + T BANK CORP	3,153,055.60	18,440	1.32		
MML FUNDAMENTAL VALUE FUND	EQUITY	THOMSON REUTERS CORP	1,215,289.20	27,880	0.51		
MML FUNDAMENTAL VALUE FUND	EQUITY	EBAY INC	2,231,566.20	59,130	0.93		
MML FUNDAMENTAL VALUE FUND	EQUITY	EOG RESOURCES INC	3,485,493.00	32,300	1.46		
MML FUNDAMENTAL VALUE FUND	EQUITY	EDISON INTERNATIONAL	2,079,963.60	32,890	0.87		
MML FUNDAMENTAL VALUE FUND	EQUITY	UNUM GROUP	1,199,895.40	21,860	0.50		
MML FUNDAMENTAL VALUE FUND	EQUITY	SOUTHWESTERN ENERGY CO	497,959.20	89,240	0.21		
MML FUNDAMENTAL VALUE FUND	EQUITY	DOMINION ENERGY INC	1,456,648.20	17,970	0.61		
MML FUNDAMENTAL VALUE FUND	EQUITY	INTERNATIONAL PAPER CO	3,223,781.60	55,640	1.35		
MML FUNDAMENTAL VALUE FUND	EQUITY	OCCIDENTAL PETROLEUM CORP	1,416,481.80	19,230	0.59		
MML FUNDAMENTAL VALUE FUND	EQUITY	PIONEER NATURAL RESOURCES CO	2,167,539.00	12,540	0.91		
MML FUNDAMENTAL VALUE FUND	EQUITY	PULTEGROUP INC	2,334,482.50	70,210	0.98		

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML FUNDAMENTAL VALUE FUND	EQUITY	MARATHON OIL CORP	2,470,324.02	145,914		1.03	
MML FUNDAMENTAL VALUE FUND	EQUITY	UNION PACIFIC CORP	3,390,048.00	25,280		1.42	
MML FUNDAMENTAL VALUE FUND	EQUITY	TRIUMPH GROUP INC	896,784.00	32,970		0.38	
MML FUNDAMENTAL VALUE FUND	EQUITY	COGNIZANT TECH SOLUTIONS A	2,260,566.60	31,830		0.95	
MML FUNDAMENTAL VALUE FUND	EQUITY	BRITISH AMERICAN TOBACCO PLC	2,287,927.01	33,900		0.96	
MML FUNDAMENTAL VALUE FUND	EQUITY	AMGEN INC	2,288,524.00	13,160		0.96	
MML FUNDAMENTAL VALUE FUND	EQUITY	CISCO SYSTEMS INC	6,569,982.00	171,540		2.75	
MML FUNDAMENTAL VALUE FUND	EQUITY	EXXON MOBIL CORP	2,978,420.40	35,610		1.25	
MML FUNDAMENTAL VALUE FUND	EQUITY	HOME DEPOT INC	2,505,586.60	13,220		1.05	
MML FUNDAMENTAL VALUE FUND	EQUITY	VERIZON COMMUNICATIONS INC	3,876,593.20	73,240		1.62	
MML FUNDAMENTAL VALUE FUND	EQUITY	NASDAQ INC	2,493,901.80	32,460		1.04	
MML FUNDAMENTAL VALUE FUND	EQUITY	JPMORGAN CHASE + CO	10,842,646.60	101,390		4.54	
MML FUNDAMENTAL VALUE FUND	EQUITY	ROCHE HOLDING AG GENUSSCHEIN	3,337,585.86	13,195		1.40	
MML FUNDAMENTAL VALUE FUND	EQUITY	ZIMMER BIOMET HOLDINGS INC	1,187,392.80	9,840		0.50	
MML FUNDAMENTAL VALUE FUND	EQUITY	CHEVRON CORP	5,559,687.90	44,410		2.33	
MML FUNDAMENTAL VALUE FUND	EQUITY	PRINCIPAL FINANCIAL GROUP	1,404,849.60	19,910		0.59	
MML FUNDAMENTAL VALUE FUND	EQUITY	3M CO	2,438,433.20	10,360		1.02	
MML FUNDAMENTAL VALUE FUND	EQUITY	COMCAST CORP CLASS A	2,722,999.50	67,990		1.14	
MML FUNDAMENTAL VALUE FUND	EQUITY	MICROSOFT CORP	2,608,970.00	30,500		1.09	
MML FUNDAMENTAL VALUE FUND	EQUITY	NOKIA CORP SPON ADR	1,429,594.80	306,780		0.60	
MML FUNDAMENTAL VALUE FUND	EQUITY	WELLS FARGO + CO	7,608,624.70	125,410		3.18	
MML FUNDAMENTAL VALUE FUND	EQUITY	PNC FINANCIAL SERVICES GROUP	5,894,246.50	40,850		2.47	
MML FUNDAMENTAL VALUE FUND	EQUITY	BANK OF AMERICA CORP	5,068,879.20	171,710		2.12	
MML FUNDAMENTAL VALUE FUND	EQUITY	BRISTOL MYERS SQUIBB CO	3,200,654.40	52,230		1.34	
MML FUNDAMENTAL VALUE FUND	EQUITY	MARSH + MCLENNAN COS	2,736,331.80	33,620		1.15	
MML FUNDAMENTAL VALUE FUND	EQUITY	INTEL CORP	6,176,208.00	133,800		2.58	
MML FUNDAMENTAL VALUE FUND	EQUITY	UNITED TECHNOLOGIES CORP	3,482,661.00	27,300		1.46	
MML FUNDAMENTAL VALUE FUND	EQUITY	INGERSOLL RAND PLC	3,450,761.10	38,690		1.44	
MML FUNDAMENTAL VALUE FUND	EQUITY	MERCK + CO. INC.	4,662,532.20	82,860		1.95	
MML FUNDAMENTAL VALUE FUND	EQUITY	NEXTERA ENERGY INC	1,660,299.70	10,630		0.69	
MML FUNDAMENTAL VALUE FUND	EQUITY	CITIGROUP INC	6,810,003.20	91,520		2.85	
MML FUNDAMENTAL VALUE FUND	EQUITY	FORTUNE BRANDS HOME + SECURI	2,601,404.40	38,010		1.09	
MML FUNDAMENTAL VALUE FUND	EQUITY	MONDELEZ INTERNATIONAL INC A	2,101,908.00	49,110		0.88	
MML FUNDAMENTAL VALUE FUND	EQUITY	EATON CORP PLC	3,784,579.00	47,900		1.58	
MML FUNDAMENTAL VALUE FUND	EQUITY	NORWEGIAN CRUISE LINE HOLDIN	2,133,195.00	40,060		0.89	
MML FUNDAMENTAL VALUE FUND	EQUITY	L BRANDS INC	2,257,647.80	37,490		0.94	
MML FUNDAMENTAL VALUE FUND	EQUITY	MEDTRONIC PLC	3,294,519.25	40,799		1.38	
MML FUNDAMENTAL VALUE FUND	EQUITY	EVERSOURCE ENERGY	2,873,426.40	45,480		1.20	
MML FUNDAMENTAL VALUE FUND	EQUITY	ALLERGAN PLC	2,510,953.00	15,350		1.05	
MML FUNDAMENTAL VALUE FUND	EQUITY	KRAFT HEINZ CO/THE	1,522,229.76	19,576		0.64	
MML FUNDAMENTAL VALUE FUND	EQUITY	NIelsen HOLDINGS PLC	1,488,032.00	40,880		0.62	
MML FUNDAMENTAL VALUE FUND	EQUITY	CHUBB LTD	3,868,791.75	26,475		1.62	
MML FUNDAMENTAL VALUE FUND	EQUITY	XL GROUP LTD	1,941,886.80	55,230		0.81	
MML FUNDAMENTAL VALUE FUND	EQUITY	PARK HOTELS + RESORTS INC	2,456,400.00	85,440		1.03	
MML FUNDAMENTAL VALUE FUND	EQUITY	HILTON WORLDWIDE HOLDINGS IN	2,847,009.00	35,650		1.19	
MML FUNDAMENTAL VALUE FUND	EQUITY	SCHNEIDER NATIONAL INC CL B	1,547,952.00	54,200		0.65	
MML FUNDAMENTAL VALUE FUND	EQUITY	DOWDUPONT INC	3,901,431.60	54,780		1.63	
MML FUNDAMENTAL VALUE FUND	CASH EQUIVALENT	FIXED INC CLEARING CORP.REPO	5,893,795.34	5,893,795		2.47	0.54
MML FUNDAMENTAL VALUE FUND	EQUITY	AMERICAN INTERNATIONAL GROUP	2,037,040.20	34,190		0.85	1/2/2018
MML FUNDAMENTAL VALUE FUND	EQUITY	GENERAL ELECTRIC CO	1,947,769.00	111,620		0.82	
MML FUNDAMENTAL VALUE FUND	EQUITY	ANALOG DEVICES INC	1,492,142.80	16,760		0.62	
MML FOCUSED EQUITY FUND	EQUITY	CANADIAN NATL RAILWAY CO	2,450,988.54	29,724		3.64	

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML FOCUSED EQUITY FUND	EQUITY	MCKESSON CORP	2,123,103.30	13,614	3.15		
MML FOCUSED EQUITY FUND	CASH	CANADIAN DOLLAR	8,291.15	10,422	0.01		0
MML FOCUSED EQUITY FUND	EQUITY	LOCKHEED MARTIN CORP	1,386,936.00	4,320	2.06		
MML FOCUSED EQUITY FUND	EQUITY	UNION PACIFIC CORP	2,486,348.10	18,541	3.69		
MML FOCUSED EQUITY FUND	EQUITY	DIAGEO PLC	2,821,512.60	77,094	4.19		
MML FOCUSED EQUITY FUND	EQUITY	MICROSOFT CORP	3,868,033.26	45,219	5.74		
MML FOCUSED EQUITY FUND	EQUITY	PRAXAIR INC	1,363,968.24	8,818	2.02		
MML FOCUSED EQUITY FUND	EQUITY	PNC FINANCIAL SERVICES GROUP	3,202,660.84	22,196	4.75		
MML FOCUSED EQUITY FUND	EQUITY	BRISTOL MYERS SQUIBB CO	3,165,479.68	51,656	4.70		
MML FOCUSED EQUITY FUND	EQUITY	MARSH + MCLENNAN COS	1,933,093.89	23,751	2.87		
MML FOCUSED EQUITY FUND	EQUITY	COSTCO WHOLESALE CORP	1,991,484.00	10,700	2.95		
MML FOCUSED EQUITY FUND	EQUITY	MCDONALD S CORP	1,677,825.76	9,748	2.49		
MML FOCUSED EQUITY FUND	EQUITY	AMERICAN EXPRESS CO	2,867,476.94	28,874	4.25		
MML FOCUSED EQUITY FUND	EQUITY	COCA COLA CO/THE	2,011,608.60	43,845	2.98		
MML FOCUSED EQUITY FUND	EQUITY	NIKE INC CL B	3,885,543.45	62,119	5.76		
MML FOCUSED EQUITY FUND	EQUITY	CARDINAL HEALTH INC	2,071,171.08	33,804	3.07		
MML FOCUSED EQUITY FUND	EQUITY	UNITED PARCEL SERVICE CL B	3,128,283.25	26,255	4.64		
MML FOCUSED EQUITY FUND	EQUITY	PUBLIC STORAGE	2,841,355.00	13,595	4.21		
MML FOCUSED EQUITY FUND	EQUITY	COLGATE PALMOLIVE CO	2,402,101.65	31,837	3.56		
MML FOCUSED EQUITY FUND	EQUITY	TJX COMPANIES INC	2,730,615.98	35,713	4.05		
MML FOCUSED EQUITY FUND	EQUITY	UNITEDHEALTH GROUP INC	1,691,810.04	7,674	2.51		
MML FOCUSED EQUITY FUND	EQUITY	BLACKROCK INC	2,197,651.38	4,278	3.26		
MML FOCUSED EQUITY FUND	EQUITY	VISA INC CLASS A SHARES	2,125,218.78	18,639	3.15		
MML FOCUSED EQUITY FUND	EQUITY	ACCENTURE PLC CL A	2,453,726.52	16,028	3.64		
MML FOCUSED EQUITY FUND	EQUITY	MERCK + CO. INC.	1,359,539.47	24,161	2.02		
MML FOCUSED EQUITY FUND	EQUITY	MEDTRONIC PLC	2,698,826.50	33,422	4.00		
MML FOCUSED EQUITY FUND	EQUITY	CHUBB LTD	3,237,802.41	22,157	4.80		
MML FOCUSED EQUITY FUND	CASH EQUIVALENT	FIXED INC CLEARING CORP.REPO	1,230,285.35	1,230,285	1.83	0.54	1/2/2018
MML FUNDAMENTAL GROWTH FUND	EQUITY	TEXAS INSTRUMENTS INC	2,459,562.00	23,550	1.93		
MML FUNDAMENTAL GROWTH FUND	EQUITY	BP PLC SPONS ADR	1,220,509.17	29,039	0.96		
MML FUNDAMENTAL GROWTH FUND	EQUITY	JOHNSON + JOHNSON	1,080,873.92	7,736	0.85		
MML FUNDAMENTAL GROWTH FUND	EQUITY	AMERICAN EXPRESS CO	1,778,344.17	17,907	1.39		
MML FUNDAMENTAL GROWTH FUND	EQUITY	ANALOG DEVICES INC	1,040,671.67	11,689	0.81		
MML FUNDAMENTAL GROWTH FUND	EQUITY	CATERPILLAR INC	2,505,364.42	15,899	1.96		
MML FUNDAMENTAL GROWTH FUND	EQUITY	SCHLUMBERGER LTD	561,695.65	8,335	0.44		
MML FUNDAMENTAL GROWTH FUND	EQUITY	CHECK POINT SOFTWARE TECH	730,624.62	7,051	0.57		
MML FUNDAMENTAL GROWTH FUND	EQUITY	DOVER CORP	1,519,596.53	15,047	1.19		
MML FUNDAMENTAL GROWTH FUND	EQUITY	FISERV INC	291,370.86	2,222	0.23		
MML FUNDAMENTAL GROWTH FUND	EQUITY	KLA TENCOR CORP	382,244.66	3,638	0.30		
MML FUNDAMENTAL GROWTH FUND	EQUITY	MAXIM INTEGRATED PRODUCTS	1,180,064.16	22,572	0.92		
MML FUNDAMENTAL GROWTH FUND	EQUITY	QUALCOMM INC	1,185,522.36	18,518	0.93		
MML FUNDAMENTAL GROWTH FUND	EQUITY	LAS VEGAS SANDS CORP	988,634.23	14,227	0.77		
MML FUNDAMENTAL GROWTH FUND	EQUITY	MASTERCARD INC A	2,465,200.32	16,287	1.93		
MML FUNDAMENTAL GROWTH FUND	EQUITY	EXPERIAN PLC	766,873.46	34,894	0.60		
MML FUNDAMENTAL GROWTH FUND	EQUITY	VISA INC CLASS A SHARES	3,164,283.04	27,752	2.48		
MML FUNDAMENTAL GROWTH FUND	EQUITY	NETAPP INC	1,269,815.28	22,954	0.99		
MML FUNDAMENTAL GROWTH FUND	EQUITY	SS+C TECHNOLOGIES HOLDINGS	976,822.88	24,131	0.76		
MML FUNDAMENTAL GROWTH FUND	EQUITY	O REILLY AUTOMOTIVE INC	251,604.84	1,046	0.20		
MML FUNDAMENTAL GROWTH FUND	EQUITY	CITIGROUP INC	1,348,978.89	18,129	1.06		
MML FUNDAMENTAL GROWTH FUND	EQUITY	ROCKWELL AUTOMATION INC	1,700,980.05	8,663	1.33		
MML FUNDAMENTAL GROWTH FUND	EQUITY	TJX COMPANIES INC	1,128,702.52	14,762	0.88		
MML FUNDAMENTAL GROWTH FUND	EQUITY	XILINX INC	998,490.20	14,810	0.78		

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML FUNDAMENTAL GROWTH FUND	EQUITY	VERISIGN INC	1,562,106.00	13,650	1.22		
MML FUNDAMENTAL GROWTH FUND	EQUITY	ELECTRONIC ARTS INC	844,787.46	8,041	0.66		
MML FUNDAMENTAL GROWTH FUND	EQUITY	ADOBE SYSTEMS INC	1,297,126.48	7,402	1.02		
MML FUNDAMENTAL GROWTH FUND	EQUITY	AUTODESK INC	670,073.36	6,392	0.52		
MML FUNDAMENTAL GROWTH FUND	EQUITY	PARKER HANNIFIN CORP	1,674,476.20	8,390	1.31		
MML FUNDAMENTAL GROWTH FUND	EQUITY	DANAHER CORP	951,869.10	10,255	0.75		
MML FUNDAMENTAL GROWTH FUND	EQUITY	AETNA INC	1,568,671.44	8,696	1.23		
MML FUNDAMENTAL GROWTH FUND	EQUITY	GLOBAL PAYMENTS INC	1,245,482.00	12,425	0.98		
MML FUNDAMENTAL GROWTH FUND	EQUITY	ALLIANCE DATA SYSTEMS CORP	517,859.64	2,043	0.41		
MML FUNDAMENTAL GROWTH FUND	EQUITY	CHEVRON CORP	968,970.60	7,740	0.76		
MML FUNDAMENTAL GROWTH FUND	EQUITY	PRICELINE GROUP INC/THE	1,838,528.92	1,058	1.44		
MML FUNDAMENTAL GROWTH FUND	EQUITY	SALESFORCE.COM INC	767,849.53	7,511	0.60		
MML FUNDAMENTAL GROWTH FUND	EQUITY	DOMINO S PIZZA INC	473,344.80	2,505	0.37		
MML FUNDAMENTAL GROWTH FUND	EQUITY	YANDEX NV A	639,542.00	19,528	0.50		
MML FUNDAMENTAL GROWTH FUND	EQUITY	AMERICAN TOWER CORP	1,273,044.41	8,923	1.00		
MML FUNDAMENTAL GROWTH FUND	EQUITY	GUIDEWIRE SOFTWARE INC	287,906.02	3,877	0.23		
MML FUNDAMENTAL GROWTH FUND	EQUITY	SERVICENOW INC	976,490.71	7,489	0.76		
MML FUNDAMENTAL GROWTH FUND	EQUITY	WORKDAY INC CLASS A	986,369.30	9,695	0.77		
MML FUNDAMENTAL GROWTH FUND	EQUITY	ICON PLC	826,769.80	7,372	0.65		
MML FUNDAMENTAL GROWTH FUND	EQUITY	ALIBABA GROUP HOLDING SP ADR	636,439.13	3,691	0.50		
MML FUNDAMENTAL GROWTH FUND	EQUITY	ANTHEM INC	1,184,677.65	5,265	0.93		
MML FUNDAMENTAL GROWTH FUND	EQUITY	ALLERGAN PLC	457,206.10	2,795	0.36		
MML FUNDAMENTAL GROWTH FUND	EQUITY	PAYPAL HOLDINGS INC	1,643,640.12	22,326	1.29		
MML FUNDAMENTAL GROWTH FUND	EQUITY	ALPHABET INC CL C	8,448,633.60	8,074	6.61		
MML FUNDAMENTAL GROWTH FUND	EQUITY	ATLASSIAN CORP PLC CLASS A	351,869.60	7,730	0.28		
MML FUNDAMENTAL GROWTH FUND	EQUITY	IHS MARKIT LTD	900,561.90	19,946	0.71		
MML FUNDAMENTAL GROWTH FUND	EQUITY	BAKER HUGHES A GE CO	605,969.28	19,152	0.47		
MML FUNDAMENTAL GROWTH FUND	EQUITY	CLEVELAND CLIFFS INC	289,834.79	40,199	0.23		
MML FUNDAMENTAL GROWTH FUND	EQUITY	WORLDPAY INC CLASS A	1,422,162.80	19,336	1.11		
MML FUNDAMENTAL GROWTH FUND	CASH EQUIVALENT	EURO TIME DEPOSIT (USD)	34,521.64	34,522	0.03	0.000003	1/2/2018
MML FUNDAMENTAL GROWTH FUND	EQUITY	METLIFE INC	776,298.24	15,354	0.61		
MML FUNDAMENTAL GROWTH FUND	EQUITY	JPMORGAN CHASE + CO	793,601.74	7,421	0.62		
MML FUNDAMENTAL GROWTH FUND	EQUITY	FACEBOOK INC A	5,091,576.84	28,854	3.99		
MML FUNDAMENTAL GROWTH FUND	EQUITY	INTERCONTINENTAL EXCHANGE IN	1,392,924.96	19,741	1.09		
MML FUNDAMENTAL GROWTH FUND	EQUITY	FORTIVE CORP	1,140,814.80	15,768	0.89		
MML FUNDAMENTAL GROWTH FUND	EQUITY	OKTA INC	206,544.65	8,065	0.16		
MML FUNDAMENTAL GROWTH FUND	EQUITY	RIO TINTO PLC SPON ADR	2,222,954.14	41,998	1.74		
MML FUNDAMENTAL GROWTH FUND	EQUITY	GARTNER INC	811,312.20	6,588	0.64		
MML FUNDAMENTAL GROWTH FUND	EQUITY	INTUIT INC	1,167,572.00	7,400	0.91		
MML FUNDAMENTAL GROWTH FUND	EQUITY	AMAZON.COM INC	4,405,393.49	3,767	3.45		
MML FUNDAMENTAL GROWTH FUND	EQUITY	MCKESSON CORP	732,341.20	4,696	0.57		
MML FUNDAMENTAL GROWTH FUND	EQUITY	EBAY INC	1,248,325.98	33,077	0.98		
MML FUNDAMENTAL GROWTH FUND	EQUITY	ROPER TECHNOLOGIES INC	987,308.00	3,812	0.77		
MML FUNDAMENTAL GROWTH FUND	EQUITY	CUMMINS INC	1,683,555.84	9,531	1.32		
MML FUNDAMENTAL GROWTH FUND	EQUITY	PIONEER NATURAL RESOURCES CO	897,437.20	5,192	0.70		
MML FUNDAMENTAL GROWTH FUND	EQUITY	APPLIED MATERIALS INC	1,610,075.52	31,496	1.26		
MML FUNDAMENTAL GROWTH FUND	EQUITY	CELGENE CORP	1,476,276.56	14,146	1.16		
MML FUNDAMENTAL GROWTH FUND	EQUITY	TERADYNE INC	963,889.27	23,021	0.75		
MML FUNDAMENTAL GROWTH FUND	EQUITY	FACTSET RESEARCH SYSTEMS INC	794,942.24	4,124	0.62		
MML FUNDAMENTAL GROWTH FUND	EQUITY	GILEAD SCIENCES INC	1,297,758.60	18,115	1.02		
MML FUNDAMENTAL GROWTH FUND	EQUITY	HONEYWELL INTERNATIONAL INC	1,148,206.32	7,487	0.90		
MML FUNDAMENTAL GROWTH FUND	EQUITY	AMGEN INC	1,266,861.50	7,285	0.99		

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML FUNDAMENTAL GROWTH FUND	EQUITY	APPLE INC	9,424,418.70	55,690	7.38		
MML FUNDAMENTAL GROWTH FUND	EQUITY	HOME DEPOT INC	2,627,264.86	13,862	2.06		
MML FUNDAMENTAL GROWTH FUND	EQUITY	MICROSOFT CORP	8,590,097.88	100,422	6.73		
MML FUNDAMENTAL GROWTH FUND	EQUITY	ORACLE CORP	2,185,423.44	46,223	1.71		
MML FUNDAMENTAL GROWTH FUND	EQUITY	BANK OF AMERICA CORP	1,351,012.32	45,766	1.06		
MML FUNDAMENTAL GROWTH FUND	EQUITY	EMERSON ELECTRIC CO	1,392,545.58	19,982	1.09		
MML FUNDAMENTAL GROWTH FUND	EQUITY	INTL BUSINESS MACHINES CORP	1,687,773.42	11,001	1.32		
MML FUNDAMENTAL GROWTH FUND	EQUITY	EDWARDS LIFESCIENCES CORP	1,195,514.97	10,607	0.94		
MML FUNDAMENTAL GROWTH FUND	EQUITY	BRISTOL MYERS SQUIBB CO	808,283.20	13,190	0.63		
MML SMALL/MID CAP VALUE FUND	EQUITY	QUANTA SERVICES INC	3,054,412.78	78,098	1.31		
MML SMALL/MID CAP VALUE FUND	EQUITY	OIL STATES INTERNATIONAL INC	2,148,536.00	75,920	0.92		
MML SMALL/MID CAP VALUE FUND	EQUITY	PNM RESOURCES INC	2,107,161.85	52,093	0.90		
MML SMALL/MID CAP VALUE FUND	EQUITY	VERINT SYSTEMS INC	2,636,340.75	62,995	1.13		
MML SMALL/MID CAP VALUE FUND	EQUITY	HAWAIIAN HOLDINGS INC	1,258,463.00	31,580	0.54		
MML SMALL/MID CAP VALUE FUND	EQUITY	MOLINA HEALTHCARE INC	2,344,874.40	30,580	1.01		
MML SMALL/MID CAP VALUE FUND	EQUITY	NETGEAR INC	1,255,781.25	21,375	0.54		
MML SMALL/MID CAP VALUE FUND	EQUITY	TEXAS CAPITAL BANCSHARES INC	2,346,071.00	26,390	1.01		
MML SMALL/MID CAP VALUE FUND	EQUITY	WELLCARE HEALTH PLANS INC	2,055,545.31	10,221	0.88		
MML SMALL/MID CAP VALUE FUND	EQUITY	ATLAS AIR WORLDWIDE HOLDINGS	1,976,505.00	33,700	0.85		
MML SMALL/MID CAP VALUE FUND	EQUITY	ENERSYS	2,884,770.90	41,430	1.24		
MML SMALL/MID CAP VALUE FUND	EQUITY	AMERICAN CAMPUS COMMUNITIES	1,628,891.00	39,700	0.70		
MML SMALL/MID CAP VALUE FUND	EQUITY	VERIFONE SYSTEMS INC	2,501,183.30	141,230	1.07		
MML SMALL/MID CAP VALUE FUND	EQUITY	HANOVER INSURANCE GROUP INC/	1,424,494.40	13,180	0.61		
MML SMALL/MID CAP VALUE FUND	EQUITY	CROCS INC	2,043,888.00	161,700	0.88		
MML SMALL/MID CAP VALUE FUND	EQUITY	HELIX ENERGY SOLUTIONS GROUP	641,126.20	85,030	0.28		
MML SMALL/MID CAP VALUE FUND	EQUITY	ICON PLC	3,021,545.30	26,942	1.30		
MML SMALL/MID CAP VALUE FUND	EQUITY	CDW CORP/DE	2,763,617.30	39,770	1.19		
MML SMALL/MID CAP VALUE FUND	EQUITY	EMPIRE STATE REALTY TRUST A	2,392,073.48	116,516	1.03		
MML SMALL/MID CAP VALUE FUND	EQUITY	BURLINGTON STORES INC	1,537,751.97	12,499	0.66		
MML SMALL/MID CAP VALUE FUND	EQUITY	ESSENT GROUP LTD	2,236,130.00	51,500	0.96		
MML SMALL/MID CAP VALUE FUND	EQUITY	HOUGHTON MIFFLIN HARCOURT CO	1,353,708.00	145,560	0.58		
MML SMALL/MID CAP VALUE FUND	EQUITY	SYNOVUS FINANCIAL CORP	2,219,622.00	46,300	0.95		
MML SMALL/MID CAP VALUE FUND	EQUITY	MICHAELS COS INC/THE	3,030,281.30	125,270	1.30		
MML SMALL/MID CAP VALUE FUND	EQUITY	ORION ENGINEERED CARBONS SA	409,600.00	16,000	0.18		
MML SMALL/MID CAP VALUE FUND	EQUITY	EDUCATION REALTY TRUST INC	2,028,153.60	58,080	0.87		
MML SMALL/MID CAP VALUE FUND	EQUITY	QORVO INC	1,340,191.80	20,123	0.58		
MML SMALL/MID CAP VALUE FUND	EQUITY	CALERES INC	1,623,311.28	48,486	0.70		
MML SMALL/MID CAP VALUE FUND	EQUITY	SPX FLOW INC	2,543,925.00	53,500	1.09		
MML SMALL/MID CAP VALUE FUND	EQUITY	CALATLANTIC GROUP INC	4,089,966.70	72,530	1.76		
MML SMALL/MID CAP VALUE FUND	EQUITY	ONEMAIN HOLDINGS INC	1,274,289.70	49,030	0.55		
MML SMALL/MID CAP VALUE FUND	EQUITY	INGEVITY CORP	923,509.35	13,105	0.40		
MML SMALL/MID CAP VALUE FUND	EQUITY	ALCOA CORP	3,754,200.30	69,690	1.61		
MML SMALL/MID CAP VALUE FUND	EQUITY	GRAMERCY PROPERTY TRUST	2,820,308.08	105,788	1.21		
MML SMALL/MID CAP VALUE FUND	EQUITY	SRC ENERGY INC	2,116,207.70	248,090	0.91		
MML SMALL/MID CAP VALUE FUND	CASH EQUIVALENT	FIXED INC CLEARING CORP.REPO	4,868,316.43	4,868,316	2.09	0.54	1/2/2018
MML SMALL/MID CAP VALUE FUND	EQUITY	TRINSEO SA	3,003,462.00	41,370	1.29		
MML SMALL/MID CAP VALUE FUND	EQUITY	MELLANOX TECHNOLOGIES LTD	1,774,721.00	27,430	0.76		
MML SMALL/MID CAP VALUE FUND	EQUITY	VALIDUS HOLDINGS LTD	1,227,896.40	26,170	0.53		
MML SMALL/MID CAP VALUE FUND	EQUITY	WERNER ENTERPRISES INC	2,966,387.50	76,750	1.27		
MML SMALL/MID CAP VALUE FUND	EQUITY	ABM INDUSTRIES INC	1,368,481.60	36,280	0.59		
MML SMALL/MID CAP VALUE FUND	EQUITY	EVEREST RE GROUP LTD	1,174,890.60	5,310	0.50		
MML SMALL/MID CAP VALUE FUND	EQUITY	AVNET INC	2,493,682.80	62,940	1.07		

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML SMALL/MID CAP VALUE FUND	EQUITY	HELMERICH + PAYNE	1,418,201.60	21,940	0.61		
MML SMALL/MID CAP VALUE FUND	EQUITY	INTEGRATED DEVICE TECH INC	766,439.40	25,780	0.33		
MML SMALL/MID CAP VALUE FUND	EQUITY	HUNTINGTON BANCSHARES INC	3,442,930.40	236,465	1.48		
MML SMALL/MID CAP VALUE FUND	EQUITY	SCHOLASTIC CORP	1,631,674.80	40,680	0.70		
MML SMALL/MID CAP VALUE FUND	EQUITY	LIFEPOINT HEALTH INC	2,345,580.00	47,100	1.01		
MML SMALL/MID CAP VALUE FUND	EQUITY	COMERICA INC	3,322,218.70	38,270	1.43		
MML SMALL/MID CAP VALUE FUND	EQUITY	ASSOCIATED BANC CORP	2,696,133.80	106,147	1.16		
MML SMALL/MID CAP VALUE FUND	EQUITY	SOTHEBY S	3,199,716.00	62,010	1.37		
MML SMALL/MID CAP VALUE FUND	EQUITY	COTT CORPORATION	2,255,714.02	135,397	0.97		
MML SMALL/MID CAP VALUE FUND	EQUITY	ALLIANT ENERGY CORP	2,207,070.17	51,797	0.95		
MML SMALL/MID CAP VALUE FUND	EQUITY	AMERICAN FINANCIAL GROUP INC	3,232,429.74	29,781	1.39		
MML SMALL/MID CAP VALUE FUND	EQUITY	PORTLAND GENERAL ELECTRIC CO	2,046,086.20	44,890	0.88		
MML SMALL/MID CAP VALUE FUND	EQUITY	AECOM	2,500,306.45	67,303	1.07		
MML SMALL/MID CAP VALUE FUND	EQUITY	INFINERA CORP	864,108.30	136,510	0.37		
MML SMALL/MID CAP VALUE FUND	EQUITY	GENPACT LTD	3,136,768.98	98,827	1.35		
MML SMALL/MID CAP VALUE FUND	EQUITY	DANA INC	3,146,999.13	98,313	1.35		
MML SMALL/MID CAP VALUE FUND	EQUITY	GRAPHIC PACKAGING HOLDING CO	2,857,941.00	184,980	1.23		
MML SMALL/MID CAP VALUE FUND	EQUITY	SIGNET JEWELERS LTD	1,468,603.50	25,970	0.63		
MML SMALL/MID CAP VALUE FUND	EQUITY	REINSURANCE GROUP OF AMERICA	4,122,789.20	26,440	1.77		
MML SMALL/MID CAP VALUE FUND	EQUITY	TUTOR PERINI CORP	1,691,098.50	66,710	0.73		
MML SMALL/MID CAP VALUE FUND	EQUITY	FINISAR CORPORATION	1,502,847.50	73,850	0.65		
MML SMALL/MID CAP VALUE FUND	EQUITY	LEAR CORP	1,592,059.92	9,012	0.68		
MML SMALL/MID CAP VALUE FUND	EQUITY	COOPER STANDARD HOLDING	2,853,882.50	23,297	1.23		
MML SMALL/MID CAP VALUE FUND	EQUITY	FIRST AMERICAN FINANCIAL	2,273,542.80	40,570	0.98		
MML SMALL/MID CAP VALUE FUND	EQUITY	SM ENERGY CO	2,415,772.80	109,410	1.04		
MML SMALL/MID CAP VALUE FUND	EQUITY	OASIS PETROLEUM INC	1,768,707.10	210,310	0.76		
MML SMALL/MID CAP VALUE FUND	EQUITY	QEP RESOURCES INC	2,569,545.00	268,500	1.10		
MML SMALL/MID CAP VALUE FUND	EQUITY	BOOZ ALLEN HAMILTON HOLDINGS	3,074,803.20	80,640	1.32		
MML SMALL/MID CAP VALUE FUND	EQUITY	BANKUNITED INC	2,062,875.20	50,660	0.89		
MML SMALL/MID CAP VALUE FUND	EQUITY	STAG INDUSTRIAL INC	2,333,162.10	85,370	1.00		
MML SMALL/MID CAP VALUE FUND	EQUITY	HOLLYFRONTIER CORP	3,533,667.80	68,990	1.52		
MML SMALL/MID CAP VALUE FUND	EQUITY	MRC GLOBAL INC	2,187,079.20	129,260	0.94		
MML SMALL/MID CAP VALUE FUND	EQUITY	INGREDION INC	1,802,581.20	12,894	0.77		
MML SMALL/MID CAP VALUE FUND	EQUITY	BLOOMIN BRANDS INC	2,687,132.80	125,920	1.15		
MML SMALL/MID CAP VALUE FUND	EQUITY	ESTERLINE TECHNOLOGIES CORP	1,402,866.00	18,780	0.60		
MML SMALL/MID CAP VALUE FUND	EQUITY	GRANITE CONSTRUCTION INC	2,051,326.20	32,340	0.88		
MML SMALL/MID CAP VALUE FUND	EQUITY	OSHKOSH CORP	2,752,149.20	30,280	1.18		
MML SMALL/MID CAP VALUE FUND	EQUITY	RPC INC	3,273,890.61	128,237	1.41		
MML SMALL/MID CAP VALUE FUND	EQUITY	SELECTIVE INSURANCE GROUP	2,114,374.00	36,020	0.91		
MML SMALL/MID CAP VALUE FUND	EQUITY	SKYWEST INC	3,231,772.20	60,862	1.39		
MML SMALL/MID CAP VALUE FUND	EQUITY	SOUTHWEST GAS HOLDINGS INC	1,253,073.60	15,570	0.54		
MML SMALL/MID CAP VALUE FUND	EQUITY	ANIXTER INTERNATIONAL INC	2,168,280.00	28,530	0.93		
MML SMALL/MID CAP VALUE FUND	EQUITY	BLACK HILLS CORP	1,530,100.05	25,455	0.66		
MML SMALL/MID CAP VALUE FUND	EQUITY	REGAL БЕЛОIT CORP	2,537,758.00	33,130	1.09		
MML SMALL/MID CAP VALUE FUND	EQUITY	TEREX CORP	2,437,038.80	50,540	1.05		
MML SMALL/MID CAP VALUE FUND	EQUITY	UMPQUA HOLDINGS CORP	1,818,336.00	87,420	0.78		
MML SMALL/MID CAP VALUE FUND	EQUITY	CYPRESS SEMICONDUCTOR CORP	2,463,850.80	161,670	1.06		
MML SMALL/MID CAP VALUE FUND	EQUITY	FULTON FINANCIAL CORP	2,188,275.00	122,250	0.94		
MML SMALL/MID CAP VALUE FUND	EQUITY	WEBSTER FINANCIAL CORP	2,678,438.88	47,693	1.15		
MML SMALL/MID CAP VALUE FUND	EQUITY	ZIONS BANCORPORATION	3,714,910.55	73,085	1.60		
MML SMALL/MID CAP VALUE FUND	EQUITY	BRINKER INTERNATIONAL INC	1,951,671.16	50,249	0.84		
MML SMALL/MID CAP VALUE FUND	EQUITY	AMDOCS LTD	2,343,398.24	35,788	1.01		

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML SMALL/MID CAP VALUE FUND	EQUITY	OLD REPUBLIC INTL CORP	2,470,031.40	115,530		1.06	
MML SMALL/MID CAP VALUE FUND	EQUITY	PULTEGROUP INC	1,847,702.50	55,570		0.79	
MML SMALL/MID CAP VALUE FUND	EQUITY	RYDER SYSTEM INC	2,891,239.50	34,350		1.24	
MML SMALL/MID CAP VALUE FUND	EQUITY	TENNECO INC	1,318,964.74	22,531		0.57	
MML SMALL/MID CAP VALUE FUND	EQUITY	DECKERS OUTDOOR CORP	1,802,415.00	22,460		0.77	
MML SMALL/MID CAP VALUE FUND	EQUITY	NCR CORPORATION	3,003,322.41	88,359		1.29	
MML SMALL/MID CAP VALUE FUND	EQUITY	STEELCASE INC CL A	2,327,120.00	153,100		1.00	
MML SMALL/MID CAP VALUE FUND	EQUITY	CONVERGYS CORP	1,622,886.50	69,059		0.70	
MML CONSERVATIVE ALLOCATION FUND	EQUITY	OPP VAR ACC GLOBAL FUND	7,978,469.96	168,251		1.67	
MML CONSERVATIVE ALLOCATION FUND	EQUITY	MML INCOME AND GROWTH FD	13,587,795.05	1,068,223		2.85	
MML CONSERVATIVE ALLOCATION FUND	EQUITY	MML SMALL COMPANY VALUE FUND	4,815,407.52	284,935		1.01	
MML CONSERVATIVE ALLOCATION FUND	EQUITY	MML FOREIGN FD	9,891,708.08	879,263		2.08	
MML CONSERVATIVE ALLOCATION FUND	EQUITY	MML GLOBAL FD	12,177,458.25	933,854		2.56	
MML CONSERVATIVE ALLOCATION FUND	EQUITY	MML LARGE CAP GROWTH FD	3,952,062.35	369,697		0.83	
MML CONSERVATIVE ALLOCATION FUND	EQUITY	MML SHORT DURATION BOND FUND	25,435,498.26	2,614,131		5.34	
MML CONSERVATIVE ALLOCATION FUND	EQUITY	OPP GLOBAL MULTI ALT FD/VA	31,262,881.87	3,177,122		6.56	
MML CONSERVATIVE ALLOCATION FUND	EQUITY	MML INTERNATIONAL EQUITY FUND	7,597,509.70	634,713		1.59	
MML CONSERVATIVE ALLOCATION FUND	EQUITY	MML DYNAMIC BOND FUND	67,820,671.16	6,816,148		14.23	
MML CONSERVATIVE ALLOCATION FUND	EQUITY	MML SER INVT FD	13,611,967.01	439,521		2.86	
MML CONSERVATIVE ALLOCATION FUND	EQUITY	OPPENHEIMER MAIN STREET FUND/V	2,823,284.29	87,544		0.59	
MML CONSERVATIVE ALLOCATION FUND	EQUITY	MML SMALL/MID CAP VALUE	2,496,807.74	178,471		0.52	
MML CONSERVATIVE ALLOCATION FUND	EQUITY	OPPENHEIMER INTERNATIONAL GROW	6,713,522.73	2,592,094		1.41	
MML CONSERVATIVE ALLOCATION FUND	EQUITY	MML HIGH YIELD FUND	14,332,217.24	1,431,790		3.01	
MML CONSERVATIVE ALLOCATION FUND	EQUITY	MML TOTAL RETURN BOND FUND	60,022,275.11	5,793,656		12.60	
MML CONSERVATIVE ALLOCATION FUND	EQUITY	MML FUNDAMENTAL VALUE FUND	12,563,956.99	814,783		2.64	
MML CONSERVATIVE ALLOCATION FUND	EQUITY	MML FUNDAMENTAL GROWTH FUND	8,502,553.66	657,075		1.78	
MML CONSERVATIVE ALLOCATION FUND	EQUITY	MML FOCUSED EQUITY FUND	2,381,942.16	187,702		0.50	
MML CONSERVATIVE ALLOCATION FUND	EQUITY	OPPENHEIMER DISCOVERY MID CAP	2,673,680.30	31,750		0.56	
MML CONSERVATIVE ALLOCATION FUND	EQUITY	MML SMALL CAP GROWTH EQUITY FD	2,374,588.38	158,554		0.50	
MML CONSERVATIVE ALLOCATION FUND	EQUITY	MML MANAGED BOND FUND	100,563,014.02	8,100,277		21.10	
MML CONSERVATIVE ALLOCATION FUND	EQUITY	MML MID CAP GROWTH FD	7,962,301.53	491,804		1.67	
MML CONSERVATIVE ALLOCATION FUND	EQUITY	MML MID CAP VALUE FD	10,285,048.92	847,203		2.16	
MML CONSERVATIVE ALLOCATION FUND	EQUITY	MML BLUE CHIP GROWTH FD	11,453,862.55	657,890		2.40	
MML CONSERVATIVE ALLOCATION FUND	EQUITY	MML EQUITY INCOME FD	12,975,913.18	1,038,073		2.72	
MML CONSERVATIVE ALLOCATION FUND	EQUITY	MML INFLATION PROTECTED BD FD	20,240,785.07	1,992,203		4.25	
MML BALANCED ALLOCATION FUND	EQUITY	MML MANAGED BOND FUND	104,252,244.30	8,397,442		17.38	
MML BALANCED ALLOCATION FUND	EQUITY	OPP VAR ACC GLOBAL FUND	11,706,651.56	246,872		1.95	
MML BALANCED ALLOCATION FUND	EQUITY	MML INCOME AND GROWTH FD	20,435,340.10	1,606,552		3.41	
MML BALANCED ALLOCATION FUND	EQUITY	MML FOCUSED EQUITY FUND	3,567,797.35	281,150		0.59	
MML BALANCED ALLOCATION FUND	EQUITY	OPPENHEIMER DISCOVERY MID CAP	4,986,387.70	59,214		0.83	
MML BALANCED ALLOCATION FUND	EQUITY	MML SMALL/MID CAP VALUE	4,882,326.61	348,987		0.81	
MML BALANCED ALLOCATION FUND	EQUITY	OPP GLOBAL MULTI ALT FD/VA	42,205,693.41	4,289,196		7.04	
MML BALANCED ALLOCATION FUND	EQUITY	MML INTERNATIONAL EQUITY FUND	14,177,647.52	1,184,432		2.36	
MML BALANCED ALLOCATION FUND	EQUITY	MML DYNAMIC BOND FUND	67,836,305.57	6,817,719		11.31	
MML BALANCED ALLOCATION FUND	EQUITY	MML SER INVT FD	19,550,073.17	631,258		3.26	
MML BALANCED ALLOCATION FUND	EQUITY	OPPENHEIMER MAIN STREET FUND/V	4,509,287.33	139,823		0.75	
MML BALANCED ALLOCATION FUND	EQUITY	OPPENHEIMER INTERNATIONAL GROW	14,392,027.60	5,556,767		2.40	
MML BALANCED ALLOCATION FUND	EQUITY	MML SMALL COMPANY VALUE FUND	7,215,190.43	426,934		1.20	
MML BALANCED ALLOCATION FUND	EQUITY	MML FOREIGN FD	17,196,664.80	1,528,592		2.87	
MML BALANCED ALLOCATION FUND	EQUITY	MML GLOBAL FD	18,151,487.29	1,391,985		3.03	
MML BALANCED ALLOCATION FUND	EQUITY	MML LARGE CAP GROWTH FD	5,973,074.67	558,753		1.00	
MML BALANCED ALLOCATION FUND	EQUITY	MML SHORT DURATION BOND FUND	29,806,610.40	3,063,372		4.97	

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML BALANCED ALLOCATION FUND	EQUITY	MML HIGH YIELD FUND	16,078,587.13	1,606,252	2.68		
MML BALANCED ALLOCATION FUND	EQUITY	MML TOTAL RETURN BOND FUND	62,750,547.32	6,057,003	10.46		
MML BALANCED ALLOCATION FUND	EQUITY	MML FUNDAMENTAL VALUE FUND	20,094,654.22	1,303,155	3.35		
MML BALANCED ALLOCATION FUND	EQUITY	MML FUNDAMENTAL GROWTH FUND	13,726,720.49	1,060,798	2.29		
MML BALANCED ALLOCATION FUND	EQUITY	MML SMALL CAP GROWTH EQUITY FD	4,237,102.84	282,916	0.71		
MML BALANCED ALLOCATION FUND	EQUITY	MML MID CAP GROWTH FD	14,599,661.45	901,770	2.43		
MML BALANCED ALLOCATION FUND	EQUITY	MML MID CAP VALUE FD	17,315,092.75	1,426,284	2.89		
MML BALANCED ALLOCATION FUND	EQUITY	MML BLUE CHIP GROWTH FD	17,958,778.26	1,031,521	2.99		
MML BALANCED ALLOCATION FUND	EQUITY	MML EQUITY INCOME FD	20,130,704.53	1,610,456	3.36		
MML BALANCED ALLOCATION FUND	EQUITY	MML INFLATION PROTECTED BD FD	22,060,179.18	2,171,277	3.68		
MML MODERATE ALLOCATION FUND	EQUITY	MML GLOBAL FD	86,476,962.16	6,631,669	3.51		
MML MODERATE ALLOCATION FUND	EQUITY	MML SMALL CAP GROWTH EQUITY FD	21,201,650.82	1,415,657	0.86		
MML MODERATE ALLOCATION FUND	EQUITY	MML MID CAP GROWTH FD	79,918,423.41	4,936,283	3.24		
MML MODERATE ALLOCATION FUND	EQUITY	MML MID CAP VALUE FD	88,761,637.41	7,311,502	3.60		
MML MODERATE ALLOCATION FUND	EQUITY	MML BLUE CHIP GROWTH FD	86,457,564.72	4,965,972	3.51		
MML MODERATE ALLOCATION FUND	EQUITY	MML EQUITY INCOME FD	98,746,857.81	7,899,749	4.00		
MML MODERATE ALLOCATION FUND	EQUITY	MML INFLATION PROTECTED BD FD	77,574,907.07	7,635,325	3.14		
MML MODERATE ALLOCATION FUND	EQUITY	MML MANAGED BOND FUND	336,695,620.25	27,120,586	13.65		
MML MODERATE ALLOCATION FUND	EQUITY	OPP VAR ACC GLOBAL FUND	56,206,011.93	1,185,281	2.28		
MML MODERATE ALLOCATION FUND	EQUITY	MML LARGE CAP GROWTH FD	31,513,216.03	2,947,915	1.28		
MML MODERATE ALLOCATION FUND	EQUITY	MML SHORT DURATION BOND FUND	104,664,843.71	10,756,921	4.24		
MML MODERATE ALLOCATION FUND	EQUITY	MML HIGH YIELD FUND	51,621,219.70	5,156,965	2.09		
MML MODERATE ALLOCATION FUND	EQUITY	MML TOTAL RETURN BOND FUND	202,044,394.62	19,502,355	8.19		
MML MODERATE ALLOCATION FUND	EQUITY	MML INCOME AND GROWTH FD	99,150,642.06	7,794,862	4.02		
MML MODERATE ALLOCATION FUND	EQUITY	MML SMALL COMPANY VALUE FUND	39,141,099.93	2,316,041	1.59		
MML MODERATE ALLOCATION FUND	EQUITY	MML FOREIGN FD	92,788,041.34	8,247,826	3.76		
MML MODERATE ALLOCATION FUND	EQUITY	MML FUNDAMENTAL VALUE FUND	99,428,806.44	6,448,042	4.03		
MML MODERATE ALLOCATION FUND	EQUITY	MML STRG EMERGING MARKETS FUND	43,484,576.72	3,758,390	1.76		
MML MODERATE ALLOCATION FUND	EQUITY	MML FUNDAMENTAL GROWTH FUND	53,241,410.60	4,114,483	2.16		
MML MODERATE ALLOCATION FUND	EQUITY	MML FOCUSED EQUITY FUND	25,490,300.92	2,008,692	1.03		
MML MODERATE ALLOCATION FUND	EQUITY	OPPENHEIMER DISCOVERY MID CAP	24,970,974.20	296,532	1.01		
MML MODERATE ALLOCATION FUND	EQUITY	MML SMALL/MID CAP VALUE	23,909,425.88	1,709,037	0.97		
MML MODERATE ALLOCATION FUND	EQUITY	OPP GLOBAL MULTI ALT FD/VA	185,916,497.88	18,893,953	7.54		
MML MODERATE ALLOCATION FUND	EQUITY	MML INTERNATIONAL EQUITY FUND	82,008,957.68	6,851,208	3.32		
MML MODERATE ALLOCATION FUND	EQUITY	OPPENHEIMER INTERNATIONAL GROW	47,235,196.63	18,237,528	1.91		
MML MODERATE ALLOCATION FUND	EQUITY	MML DYNAMIC BOND FUND	221,108,920.57	22,222,002	8.96		
MML MODERATE ALLOCATION FUND	EQUITY	MML SER INVT FD	92,386,238.83	2,983,088	3.75		
MML MODERATE ALLOCATION FUND	EQUITY	OPPENHEIMER MAIN STREET FUND/V	14,537,070.08	450,762	0.59		
MML GROWTH ALLOCATION FUND	EQUITY	MML MID CAP GROWTH FD	75,328,138.73	4,652,757	4.36		
MML GROWTH ALLOCATION FUND	EQUITY	MML MID CAP VALUE FD	76,751,221.31	6,322,176	4.44		
MML GROWTH ALLOCATION FUND	EQUITY	MML BLUE CHIP GROWTH FD	75,223,852.72	4,320,727	4.35		
MML GROWTH ALLOCATION FUND	EQUITY	MML EQUITY INCOME FD	84,372,793.31	6,749,823	4.88		
MML GROWTH ALLOCATION FUND	EQUITY	MML INFLATION PROTECTED BD FD	68,539,427.76	6,746,007	3.96		
MML GROWTH ALLOCATION FUND	EQUITY	MML MANAGED BOND FUND	134,827,992.34	10,860,296	7.80		
MML GROWTH ALLOCATION FUND	EQUITY	OPP VAR ACC GLOBAL FUND	48,538,580.37	1,023,589	2.81		
MML GROWTH ALLOCATION FUND	EQUITY	MML INCOME AND GROWTH FD	85,307,295.48	6,706,548	4.93		
MML GROWTH ALLOCATION FUND	EQUITY	MML SMALL COMPANY VALUE FUND	34,064,429.15	2,015,647	1.97		

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML GROWTH ALLOCATION FUND	EQUITY	MML FOREIGN FD	81,855,412.12	7,276,037		4.73	
MML GROWTH ALLOCATION FUND	EQUITY	MML GLOBAL FD	74,762,688.31	5,733,335		4.32	
MML GROWTH ALLOCATION FUND	EQUITY	MML LARGE CAP GROWTH FD	28,068,080.90	2,625,639		1.62	
MML GROWTH ALLOCATION FUND	EQUITY	MML SHORT DURATION BOND FUND	50,354,772.78	5,175,208		2.91	
MML GROWTH ALLOCATION FUND	EQUITY	MML HIGH YIELD FUND	13,516,018.11	1,350,252		0.78	
MML GROWTH ALLOCATION FUND	EQUITY	MML TOTAL RETURN BOND FUND	81,018,265.68	7,820,296		4.68	
MML GROWTH ALLOCATION FUND	EQUITY	MML FUNDAMENTAL VALUE FUND	84,761,589.14	5,496,861		4.90	
MML GROWTH ALLOCATION FUND	EQUITY	MML STRG EMERGING MARKETS FUND	45,975,822.79	3,973,710		2.66	
MML GROWTH ALLOCATION FUND	EQUITY	MML FUNDAMENTAL GROWTH FUND	41,115,243.08	3,177,376		2.38	
MML GROWTH ALLOCATION FUND	EQUITY	MML FOCUSED EQUITY FUND	23,386,360.89	1,842,897		1.35	
MML GROWTH ALLOCATION FUND	EQUITY	OPPENHEIMER DISCOVERY MID CAP	24,440,829.39	290,237		1.41	
MML GROWTH ALLOCATION FUND	EQUITY	MML SMALL/MID CAP VALUE	27,820,093.91	1,988,570		1.61	
MML GROWTH ALLOCATION FUND	EQUITY	OPP GLOBAL MULTI ALT FD/VA	142,332,586.81	14,464,694		8.23	
MML GROWTH ALLOCATION FUND	EQUITY	MML INTERNATIONAL EQUITY FUND	75,344,818.25	6,294,471		4.36	
MML GROWTH ALLOCATION FUND	EQUITY	OPPENHEIMER INTERNATIONAL GROW	43,073,829.21	16,630,822		2.49	
MML GROWTH ALLOCATION FUND	EQUITY	MML DYNAMIC BOND FUND	87,950,369.93	8,839,233		5.09	
MML GROWTH ALLOCATION FUND	EQUITY	MML SER INVT FD	81,664,763.24	2,636,899		4.72	
MML GROWTH ALLOCATION FUND	EQUITY	OPPENHEIMER MAIN STREET FUND/V	20,980,652.62	650,563		1.21	
MML GROWTH ALLOCATION FUND	EQUITY	MML SMALL CAP GROWTH EQUITY FD	18,042,210.27	1,204,698		1.04	
MML AGGRESSIVE ALLOCATION FUND	EQUITY	MML SMALL CAP GROWTH EQUITY FD	2,347,008.79	156,712		1.50	
MML AGGRESSIVE ALLOCATION FUND	EQUITY	MML MID CAP GROWTH FD	8,854,279.15	546,898		5.64	
MML AGGRESSIVE ALLOCATION FUND	EQUITY	MML MID CAP VALUE FD	8,793,658.45	724,354		5.61	
MML AGGRESSIVE ALLOCATION FUND	EQUITY	MML BLUE CHIP GROWTH FD	8,363,872.41	480,406		5.33	
MML AGGRESSIVE ALLOCATION FUND	EQUITY	MML EQUITY INCOME FD	8,931,817.28	714,545		5.69	
MML AGGRESSIVE ALLOCATION FUND	EQUITY	MML INFLATION PROTECTED BD FD	4,111,210.60	404,647		2.62	
MML AGGRESSIVE ALLOCATION FUND	EQUITY	MML MANAGED BOND FUND	3,765,799.22	303,332		2.40	
MML AGGRESSIVE ALLOCATION FUND	EQUITY	OPP VAR ACC GLOBAL FUND	5,224,658.16	110,178		3.33	
MML AGGRESSIVE ALLOCATION FUND	EQUITY	MML INCOME AND GROWTH FD	9,037,522.86	710,497		5.76	
MML AGGRESSIVE ALLOCATION FUND	EQUITY	MML SMALL COMPANY VALUE FUND	4,005,567.65	237,016		2.55	
MML AGGRESSIVE ALLOCATION FUND	EQUITY	MML FOREIGN FD	8,917,658.18	792,681		5.68	
MML AGGRESSIVE ALLOCATION FUND	EQUITY	MML GLOBAL FD	8,649,028.91	663,269		5.51	
MML AGGRESSIVE ALLOCATION FUND	EQUITY	MML LARGE CAP GROWTH FD	3,082,620.01	288,365		1.97	
MML AGGRESSIVE ALLOCATION FUND	EQUITY	MML SHORT DURATION BOND FUND	3,323,518.72	341,574		2.12	
MML AGGRESSIVE ALLOCATION FUND	EQUITY	MML TOTAL RETURN BOND FUND	2,295,000.31	221,525		1.46	
MML AGGRESSIVE ALLOCATION FUND	EQUITY	MML FUNDAMENTAL VALUE FUND	8,907,886.56	577,684		5.68	
MML AGGRESSIVE ALLOCATION FUND	EQUITY	MML STRG EMERGING MARKETS FUND	5,766,400.08	498,392		3.68	
MML AGGRESSIVE ALLOCATION FUND	EQUITY	OPPENHEIMER DISCOVERY MID CAP	3,037,933.77	36,076		1.94	
MML AGGRESSIVE ALLOCATION FUND	EQUITY	MML SMALL/MID CAP VALUE	3,100,389.28	221,615		1.98	
MML AGGRESSIVE ALLOCATION FUND	EQUITY	OPP GLOBAL MULTI ALT FD/VA	14,019,161.84	1,424,712		8.94	
MML AGGRESSIVE ALLOCATION FUND	EQUITY	MML INTERNATIONAL EQUITY FUND	8,025,233.33	670,446		5.12	
MML AGGRESSIVE ALLOCATION FUND	EQUITY	MML DYNAMIC BOND FUND	2,438,947.08	245,120		1.55	
MML AGGRESSIVE ALLOCATION FUND	EQUITY	MML SER INVT FD	7,774,745.28	251,041		4.96	
MML AGGRESSIVE ALLOCATION FUND	EQUITY	OPPENHEIMER MAIN STREET FUND/V	3,219,788.85	99,838		2.05	
MML AGGRESSIVE ALLOCATION FUND	EQUITY	MML FOCUSED EQUITY FUND	2,547,742.95	200,768		1.62	
MML AGGRESSIVE ALLOCATION FUND	EQUITY	MML FUNDAMENTAL GROWTH FUND	4,064,203.22	314,081		2.59	
MML AGGRESSIVE ALLOCATION FUND	EQUITY	OPPENHEIMER INTERNATIONAL GROW	4,266,386.46	1,647,253		2.72	
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	UNILEVER PLC	1,428,755.09	25,790		1.30	
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	AMOREPACIFIC CORP	685,054.07	2,412		0.62	
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	NEW ORIENTAL EDUCATIO SP ADR	934,360.00	9,940		0.85	
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	GENTING BHD	965,821.30	425,300		0.88	
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	GENTING MALAYSIA BHD	350,616.59	252,100		0.32	
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	JERONIMO MARTINS	211,855.29	10,909		0.19	

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	ANGLO AMERICAN PLC	569,946.41	27,270	0.52		
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	MERCADOLIBRE INC	62,932.00	200	0.06		
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	SUL AMERICA SA UNITS	516,901.88	92,034	0.47		
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	DP WORLD LTD	1,570,578.43	62,778	1.42		
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	WANT WANT CHINA HOLDINGS LTD	507,021.85	606,000	0.46		
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	B3 SA BRASIL BOLSA BALCAO	1,917,318.67	279,700	1.74		
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	ESTACIO PARTICIPACOES SA	585,951.79	59,500	0.53		
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	ALROSA PJSC	452,268.93	347,847	0.41		
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	CELLTRION INC	439,789.03	2,140	0.40		
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	ITAU UNIBANCO H SPON PRF ADR	166,790.00	12,830	0.15		
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	VALE SA SP ADR	435,510.30	35,610	0.39		
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	SINOPHARM GROUP CO H	2,134,631.73	495,600	1.94		
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	SBERBANK OF RUSSIA PJSC	681,813.57	174,972	0.62		
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	CHINA LODGING GROUP SPON ADS	2,049,317.27	14,189	1.86		
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	AIA GROUP LTD	3,262,934.55	382,600	2.96		
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	GLENCORE PLC	3,251,851.16	618,071	2.95		
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	YANDEX NV A	394,310.00	12,040	0.36		
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	PRADA S.P.A.	1,256,364.14	346,800	1.14		
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	SBERBANK PJSC SPONSORED ADR	928,725.18	54,870	0.84		
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	ASTRA INTERNATIONAL TBK PT	753,091.79	1,232,000	0.68		
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	MOSCOW EXCHANGE MICEX RTS PJ	529,221.83	280,913	0.48		
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	MEDICLINIC INTERNATIONAL PLC	512,403.52	58,690	0.46		
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	TENCENT HOLDINGS LTD	6,020,346.00	116,459	5.46		
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	GRUPO DE INV SURAMERICANA	515,754.78	38,192	0.47		
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	ALIBABA GROUP HOLDING SP ADR	6,241,966.00	36,200	5.66		
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	GRUPO AVAL ACCIONES Y VALORE	659,600.00	77,600	0.60		
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	KWEICHOW MOUTAI CO LTD A	1,448,050.51	13,542	1.31		
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	JIANGSU HENGRUI MEDICINE C A	2,211,333.20	209,000	2.00		
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	3SBIO INC	387,156.60	197,500	0.35		
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	STEINHOFF INTERNATIONAL H NV	124,562.41	331,652	0.11		
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	HUTCHISON CHINA MEDITECH ADR	156,891.60	3,980	0.14		
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	SAMSUNG BIOLOGICS CO LTD	819,075.89	2,366	0.74		
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	ZTO EXPRESS CAYMAN INC ADR	496,422.00	31,320	0.45		
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	PROSEGUR CASH SA	320,633.83	99,942	0.29		
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	WUXI BIOLOGICS CAYMAN INC	128,817.11	23,000	0.12		
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	CELLTRION HEALTHCARE CO LTD	562,601.37	5,571	0.51		
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	ATACADAO DISTRIBUICAO COMERC	792,321.09	172,900	0.72		
MML STRATEGIC EMERGING MARKETS FUND	CASH EQUIVALENT	FIXED INC CLEARING CORP.REPO	2,266,895.74	2,266,896	2.06	0.54	1/2/2018
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	LVMH MOET HENNESSY LOUIS VUI	1,811,261.87	6,166	1.64		
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	CHOLAMANDALAM INVESTMENT AND	283,144.26	13,949	0.26		
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	CHINA INTERNATIONAL CAPITA H	390,311.54	187,600	0.35		
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	ZEE ENTERTAINMENT ENTERP	78,937.76	503,840	0.07		
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	POLYUS PJSC 144A GDR	268,380.00	7,000	0.24		
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	SHOPRITE HOLDINGS LTD	916,326.27	51,258	0.83		
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	HONG KONG EXCHANGES + CLEAR	568,853.36	18,624	0.52		
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	JARDINE STRATEGIC HLDGS LTD	1,490,770.77	37,662	1.35		
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	FOMENTO ECONOMICO MEX SP ADR	597,204.00	6,360	0.54		
MML STRATEGIC EMERGING MARKETS FUND	CASH	SOUTH AFRICAN RAND	(6,289.54)	(77,817)	0.01		0
MML STRATEGIC EMERGING MARKETS FUND	CASH	YUAN RENMINBI	(565.90)	(3,685)	0.00		0
MML STRATEGIC EMERGING MARKETS FUND	CASH	INDIAN RUPEE	11,594.40	740,042	0.01		0
MML STRATEGIC EMERGING MARKETS FUND	CASH	SOUTH KOREAN WON	0.47	508	0.00		0
MML STRATEGIC EMERGING MARKETS FUND	CASH	NIGERIAN NAIRA	0.10	34	0.00		0

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML STRATEGIC EMERGING MARKETS FUND	CASH	POUND STERLING	289,975.35	214,773	0.26		0
MML STRATEGIC EMERGING MARKETS FUND	CASH	HONG KONG DOLLAR	259,330.99	2,026,114	0.24		0
MML STRATEGIC EMERGING MARKETS FUND	CASH	MEXICAN PESO (NEW)	245,686.26	4,830,806	0.22		0
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	KERING	2,736,620.82	5,805	2.48		
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	HANG LUNG GROUP LTD	220,728.95	60,000	0.20		
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	FOMENTO ECONOMICO MEXICA UBD	1,420,685.63	151,053	1.29		
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	KIMBERLY CLARK DE MEXICO A	325,309.15	184,760	0.29		
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	LOJAS AMERICANAS SA PREF	1,373,949.74	268,100	1.25		
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	S.A.C.I. FALABELLA	92,524.49	9,266	0.08		
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	AYALA LAND INC	805,618.70	903,800	0.73		
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	CHINA MOBILE LTD	1,128,630.22	111,500	1.02		
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	HOUSING DEVELOPMENT FINANCE	4,522,085.16	168,955	4.10		
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	ZEE ENTERTAINMENT ENTERPRISE	1,702,804.01	186,986	1.54		
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	INFOSYS LTD	1,026,063.41	62,977	0.93		
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	COMMERCIAL INTERNATIONAL BAN	459,102.99	105,056	0.42		
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	INDOCEMENT TUNGGAL PRAKARSA	581,603.16	359,000	0.53		
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	FIRSTRAND LTD	1,915,608.53	352,480	1.74		
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	AMOREPACIFIC GROUP	220,263.34	1,672	0.20		
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	SM PRIME HOLDINGS INC	1,033,213.13	1,375,500	0.94		
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	TAIWAN SEMICONDUCTOR MANUFAC	6,431,561.78	837,000	5.83		
MML STRATEGIC EMERGING MARKETS FUND	CASH	US DOLLAR	370.47	370	0.00		0
MML STRATEGIC EMERGING MARKETS FUND	CASH	EURO CURRENCY	182,576.60	152,166	0.17		0
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	CREDICORP LTD	956,252.30	4,610	0.87		
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	GRUPO AEROPORT DEL SURESTE B	565,866.52	31,022	0.51		
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	GRUPO MEXICO SAB DE CV SER B	1,351,676.66	409,323	1.23		
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	APOLLO HOSPITALS ENTERPRISE	638,704.35	33,839	0.58		
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	LG HOUSEHOLD + HEALTH CARE	1,829,245.76	1,650	1.66		
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	JOLLIBEE FOODS CORP	622,697.43	122,900	0.56		
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	DR. REDDY S LABORATORIES	571,485.53	15,137	0.52		
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	GRUPO FINANCIERO INBURSA O	919,862.09	561,876	0.83		
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	NIGERIAN BREWERIES PLC	112,892.32	301,283	0.10		
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	BANCO DE CHILE	186,419.90	1,161,162	0.17		
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	KOTAK MAHINDRA BANK LTD FOR	1,534,865.75	97,123	1.39		
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	NAVER CORP	2,638,772.86	3,250	2.39		
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	BANK MANDIRI PERSERO TBK PT	817,534.27	1,388,100	0.74		
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	BANK RAKYAT INDONESIA PERSER	588,702.39	2,198,900	0.53		
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	CTRIIP.COM INTERNATIONAL ADR	1,920,996.00	43,560	1.74		
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	BIOCON LTD	561,484.78	66,377	0.51		
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	NATURA COSMETICOS SA	88,486.72	8,900	0.08		
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	ULTRATECH CEMENT LTD	886,155.91	13,106	0.80		
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	EMAAR PROPERTIES PJSC	455,155.04	241,133	0.41		
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	TATA CONSULTANCY SVCS LTD	968,433.81	22,896	0.88		
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	ANADOLU EFES BIRACILIK VE	519,374.74	81,278	0.47		
MML STRATEGIC EMERGING MARKETS FUND	CASH	TURKISH LIRA	21,184.54	80,300	0.02		0
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	SM INVESTMENTS CORP	1,501,951.10	75,835	1.36		
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	AYALA CORPORATION	365,198.57	17,960	0.33		
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	BIM BIRLESIK MAGAZALAR AS	671,481.17	32,592	0.61		
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	NOVATEK PJSC SPONS GDR REG S	3,002,124.81	24,984	2.72		
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	ZENITH BANK PLC	204,609.94	2,862,659	0.19		
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	MAGNIT PJSC	1,696,881.35	15,439	1.54		
MML AMERICAN FUNDS GROWTH FUND	EQUITY	AMERICAN FDS INS SER	172,094,019.60	2,210,585	100.00		
MML AMERICAN FUNDS INTERNATIONAL FUND	EQUITY	AMER FD INS INTERNATIONAL FD	67,017,646.10	3,086,948	100.00		

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 12/31/2017

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML AMERICAN FUNDS CORE ALLOCATION FUND	EQUITY	AMER FDS INS BOND FD	389,383,366.28	35,987,372	35.54		
MML AMERICAN FUNDS CORE ALLOCATION FUND	EQUITY	AMER FD INS INTERNATIONAL FD	143,591,796.96	6,614,086	13.11		
MML AMERICAN FUNDS CORE ALLOCATION FUND	EQUITY	AMER FDS INS BLUE CHIP INC GRT	253,986,462.57	16,977,705	23.18		
MML AMERICAN FUNDS CORE ALLOCATION FUND	EQUITY	AMER FDS INS GRWTH INC FD	308,534,482.01	6,143,658	28.16		