

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML EQUITY INDEX FUND	EQUITY	QORVO INC	281,659.10	3,998	0.04		0
MML EQUITY INDEX FUND	EQUITY	IRON MOUNTAIN INC	290,548.12	8,842	0.04		0
MML EQUITY INDEX FUND	EQUITY	MEDTRONIC PLC	3,422,666.52	42,666	0.48		0
MML EQUITY INDEX FUND	EQUITY	EVERSOURCE ENERGY	586,371.84	9,952	0.08		0
MML EQUITY INDEX FUND	EQUITY	MYLAN NV	667,242.19	16,207	0.09		0
MML EQUITY INDEX FUND	EQUITY	ALLERGAN PLC	1,750,216.00	10,400	0.25		0
MML EQUITY INDEX FUND	EQUITY	MONSTER BEVERAGE CORP	745,217.46	13,026	0.10		0
MML EQUITY INDEX FUND	EQUITY	WESTROCK CO	513,360.00	8,000	0.07		0
MML EQUITY INDEX FUND	EQUITY	WEC ENERGY GROUP INC	621,607.80	9,914	0.09		0
MML EQUITY INDEX FUND	EQUITY	KRAFT HEINZ CO/THE	1,173,045.28	18,832	0.16		0
MML EQUITY INDEX FUND	EQUITY	PAYPAL HOLDINGS INC	2,692,853.91	35,493	0.38		0
MML EQUITY INDEX FUND	EQUITY	NIELSEN HOLDINGS PLC	334,303.64	10,516	0.05		0
MML EQUITY INDEX FUND	EQUITY	WELLTOWER INC	633,347.48	11,636	0.09		0
MML EQUITY INDEX FUND	EQUITY	ALPHABET INC CL C	9,885,579.99	9,581	1.38		0
MML EQUITY INDEX FUND	EQUITY	ALPHABET INC CL A	9,744,967.44	9,396	1.36		0
MML EQUITY INDEX FUND	EQUITY	HEWLETT PACKARD ENTERPRISE	865,493.76	49,344	0.12		0
MML EQUITY INDEX FUND	EQUITY	HP INC	1,129,997.92	51,551	0.16		0
MML EQUITY INDEX FUND	EQUITY	CSRA INC	215,179.37	5,219	0.03		0
MML EQUITY INDEX FUND	EQUITY	WILLIS TOWERS WATSON PLC	631,131.93	4,147	0.09		0
MML EQUITY INDEX FUND	EQUITY	CHUBB LTD	1,999,303.86	14,618	0.28		0
MML EQUITY INDEX FUND	EQUITY	BROADCOM LTD	3,045,304.95	12,923	0.43		0
MML EQUITY INDEX FUND	EQUITY	DENTSPLY SIRONA INC	363,036.96	7,216	0.05		0
MML EQUITY INDEX FUND	EQUITY	UNDER ARMOUR INC CLASS C	81,034.45	5,647	0.01		0
MML EQUITY INDEX FUND	EQUITY	S+P GLOBAL INC	1,528,671.06	8,001	0.21		0
MML EQUITY INDEX FUND	EQUITY	CHARTER COMMUNICATIONS INC A	1,822,815.54	5,857	0.26		0
MML EQUITY INDEX FUND	EQUITY	FORTIVE CORP	749,695.92	9,671	0.10		0
MML EQUITY INDEX FUND	EQUITY	IHS MARKIT LTD	550,321.92	11,408	0.08		0
MML EQUITY INDEX FUND	EQUITY	XL GROUP LTD	444,621.96	8,046	0.06		0
MML EQUITY INDEX FUND	EQUITY	JOHNSON CONTROLS INTERNATION	1,029,148.96	29,204	0.14		0
MML EQUITY INDEX FUND	EQUITY	ARCONIC INC	306,616.32	13,308	0.04		0
MML EQUITY INDEX FUND	EQUITY	ENVISION HEALTHCARE CORP	146,610.45	3,815	0.02		0
MML EQUITY INDEX FUND	EQUITY	L3 TECHNOLOGIES INC	510,432.00	2,454	0.07		0
MML EQUITY INDEX FUND	EQUITY	HILTON WORLDWIDE HOLDINGS IN	500,126.00	6,350	0.07		0
MML EQUITY INDEX FUND	EQUITY	TECHNIPFMC PLC	405,703.20	13,776	0.06		0
MML EQUITY INDEX FUND	EQUITY	SBA COMMUNICATIONS CORP	626,250.88	3,664	0.09		0
MML EQUITY INDEX FUND	EQUITY	GGP INC	407,399.52	19,912	0.06		0
MML EQUITY INDEX FUND	EQUITY	DXC TECHNOLOGY CO	900,949.86	8,962	0.13		0
MML EQUITY INDEX FUND	EQUITY	XEROX CORP	192,480.64	6,688	0.03		0
MML EQUITY INDEX FUND	EQUITY	BAKER HUGHES A GE CO	369,035.53	13,289	0.05		0
MML EQUITY INDEX FUND	EQUITY	BRIGHTHOUSE FINANCIAL INC	153,531.80	2,987	0.02		0
MML EQUITY INDEX FUND	EQUITY	ANDEAVOR	448,195.92	4,457	0.06		0
MML EQUITY INDEX FUND	FUTURE	S+P500 EMINI FUT JUN18	-	2,400	0.01		6/15/2018
MML EQUITY INDEX FUND	EQUITY	DOWDUPONT INC	4,693,706.83	73,673	0.66		0
MML EQUITY INDEX FUND	EQUITY	TAPESTRY INC	470,543.84	8,944	0.07		0
MML EQUITY INDEX FUND	EQUITY	IQVIA HOLDINGS INC	448,755.14	4,574	0.06		0
MML EQUITY INDEX FUND	EQUITY	APTIV PLC	709,499.50	8,350	0.10		0
MML EQUITY INDEX FUND	EQUITY	BOOKING HOLDINGS INC	3,193,398.65	1,535	0.45		0
MML EQUITY INDEX FUND	CASH EQUIVALENT	FIXED INC CLEARING CORP.REPO	4,792,369.61	4,792,370	0.67	0.74	4/2/2018
MML EQUITY INDEX FUND	CASH EQUIVALENT	TREASURY BILL	651,572.67	655,000	0.09		7/19/2018
MML EQUITY INDEX FUND	EQUITY	PERKINELMER INC	262,142.64	3,462	0.04		0
MML EQUITY INDEX FUND	EQUITY	FMC CORP	322,972.26	4,218	0.05		0
MML EQUITY INDEX FUND	EQUITY	UNION PACIFIC CORP	3,331,175.40	24,780	0.47		0

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML EQUITY INDEX FUND	EQUITY	CAPITAL ONE FINANCIAL CORP	1,467,195.84	15,312	0.21		0
MML EQUITY INDEX FUND	EQUITY	EXXON MOBIL CORP	9,951,780.24	133,384	1.39		0
MML EQUITY INDEX FUND	EQUITY	MORGAN STANLEY	2,343,590.72	43,432	0.33		0
MML EQUITY INDEX FUND	EQUITY	CADENCE DESIGN SYS INC	326,076.36	8,868	0.05		0
MML EQUITY INDEX FUND	EQUITY	CORNING INC	761,179.76	27,302	0.11		0
MML EQUITY INDEX FUND	EQUITY	MOODY S CORP	845,695.90	5,243	0.12		0
MML EQUITY INDEX FUND	EQUITY	ACTIVISION BLIZZARD INC	1,611,551.94	23,889	0.23		0
MML EQUITY INDEX FUND	EQUITY	CITIZENS FINANCIAL GROUP	644,267.06	15,347	0.09		0
MML EQUITY INDEX FUND	EQUITY	EQUINIX INC	1,043,259.30	2,495	0.15		0
MML EQUITY INDEX FUND	EQUITY	HCP INC	342,340.51	14,737	0.05		0
MML EQUITY INDEX FUND	EQUITY	ULTA BEAUTY INC	374,426.91	1,833	0.05		0
MML EQUITY INDEX FUND	EQUITY	INVESCO LTD	408,223.53	12,753	0.06		0
MML EQUITY INDEX FUND	EQUITY	DISH NETWORK CORP A	270,875.61	7,149	0.04		0
MML EQUITY INDEX FUND	EQUITY	DOLLAR TREE INC	706,625.40	7,446	0.10		0
MML EQUITY INDEX FUND	EQUITY	PHILIP MORRIS INTERNATIONAL	4,859,566.60	48,889	0.68		0
MML EQUITY INDEX FUND	EQUITY	VISA INC CLASS A SHARES	6,787,836.90	56,745	0.95		0
MML EQUITY INDEX FUND	EQUITY	NETAPP INC	522,761.06	8,474	0.07		0
MML EQUITY INDEX FUND	EQUITY	AMERICAN WATER WORKS CO INC	459,845.87	5,599	0.06		0
MML EQUITY INDEX FUND	EQUITY	DR PEPPER SNAPPLE GROUP INC	671,214.60	5,670	0.09		0
MML EQUITY INDEX FUND	EQUITY	DISCOVERY INC A	105,135.58	4,906	0.01		0
MML EQUITY INDEX FUND	EQUITY	DISCOVERY INC C	187,665.28	9,614	0.03		0
MML EQUITY INDEX FUND	EQUITY	EQT CORP	365,446.92	7,692	0.05		0
MML EQUITY INDEX FUND	EQUITY	TIME WARNER INC	2,321,939.00	24,550	0.33		0
MML EQUITY INDEX FUND	EQUITY	AMERICAN INTERNATIONAL GROUP	1,542,099.54	28,337	0.22		0
MML EQUITY INDEX FUND	EQUITY	INGERSOLL RAND PLC	671,253.50	7,850	0.09		0
MML EQUITY INDEX FUND	EQUITY	SEAGATE TECHNOLOGY	524,982.92	8,971	0.07		0
MML EQUITY INDEX FUND	EQUITY	UNITED CONTINENTAL HOLDINGS	529,500.34	7,622	0.07		0
MML EQUITY INDEX FUND	EQUITY	GENERAL MOTORS CO	1,445,023.76	39,764	0.20		0
MML EQUITY INDEX FUND	EQUITY	MOTOROLA SOLUTIONS INC	535,555.80	5,086	0.07		0
MML EQUITY INDEX FUND	EQUITY	O REILLY AUTOMOTIVE INC	651,846.30	2,635	0.09		0
MML EQUITY INDEX FUND	EQUITY	KINDER MORGAN INC	900,075.96	59,766	0.13		0
MML EQUITY INDEX FUND	EQUITY	HCA HEALTHCARE INC	854,958.00	8,814	0.12		0
MML EQUITY INDEX FUND	EQUITY	TE CONNECTIVITY LTD	1,103,695.20	11,048	0.15		0
MML EQUITY INDEX FUND	EQUITY	HUNTINGTON INGALLS INDUSTRIE	367,565.76	1,426	0.05		0
MML EQUITY INDEX FUND	EQUITY	CITIGROUP INC	5,460,750.00	80,900	0.76		0
MML EQUITY INDEX FUND	EQUITY	MOSAIC CO/THE	267,808.40	11,030	0.04		0
MML EQUITY INDEX FUND	EQUITY	PROLOGIS INC	1,058,609.94	16,806	0.15		0
MML EQUITY INDEX FUND	EQUITY	MARATHON PETROLEUM CORP	1,092,190.29	14,939	0.15		0
MML EQUITY INDEX FUND	EQUITY	PVH CORP	369,186.34	2,438	0.05		0
MML EQUITY INDEX FUND	EQUITY	RALPH LAUREN CORP	193,302.20	1,729	0.03		0
MML EQUITY INDEX FUND	EQUITY	FORTUNE BRANDS HOME + SECURI	280,257.51	4,759	0.04		0
MML EQUITY INDEX FUND	EQUITY	CBRE GROUP INC A	447,834.48	9,484	0.06		0
MML EQUITY INDEX FUND	EQUITY	XYLEM INC	433,905.72	5,641	0.06		0
MML EQUITY INDEX FUND	EQUITY	TRIPADVISOR INC	140,947.83	3,447	0.02		0
MML EQUITY INDEX FUND	EQUITY	MICHAEL KORS HOLDINGS LTD	296,866.56	4,782	0.04		0
MML EQUITY INDEX FUND	EQUITY	EXPEDIA GROUP INC	426,293.01	3,861	0.06		0
MML EQUITY INDEX FUND	EQUITY	AMERICAN TOWER CORP	2,017,609.88	13,882	0.28		0
MML EQUITY INDEX FUND	EQUITY	AON PLC	1,087,276.84	7,748	0.15		0
MML EQUITY INDEX FUND	EQUITY	EXPRESS SCRIPTS HOLDING CO	1,228,933.20	17,790	0.17		0
MML EQUITY INDEX FUND	EQUITY	PHILLIPS 66	1,265,088.88	13,189	0.18		0
MML EQUITY INDEX FUND	EQUITY	FACEBOOK INC A	12,051,521.59	75,421	1.69		0
MML EQUITY INDEX FUND	EQUITY	DUKE ENERGY CORP	1,711,777.12	22,096	0.24		0

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML EQUITY INDEX FUND	EQUITY	MONDELEZ INTERNATIONAL INC A	1,954,299.36	46,832	0.27		0
MML EQUITY INDEX FUND	EQUITY	EATON CORP PLC	1,106,114.22	13,842	0.15		0
MML EQUITY INDEX FUND	EQUITY	ABBVIE INC	4,749,442.35	50,179	0.67		0
MML EQUITY INDEX FUND	EQUITY	NORWEGIAN CRUISE LINE HOLDIN	342,504.02	6,466	0.05		0
MML EQUITY INDEX FUND	EQUITY	ZOETIS INC	1,283,047.64	15,364	0.18		0
MML EQUITY INDEX FUND	EQUITY	L BRANDS INC	296,433.18	7,758	0.04		0
MML EQUITY INDEX FUND	EQUITY	COTY INC CL A	271,535.40	14,838	0.04		0
MML EQUITY INDEX FUND	EQUITY	NEWS CORP CLASS A	189,220.80	11,976	0.03		0
MML EQUITY INDEX FUND	EQUITY	TWENTY FIRST CENTURY FOX A	1,219,172.01	33,229	0.17		0
MML EQUITY INDEX FUND	EQUITY	NEWS CORP CLASS B	63,031.50	3,915	0.01		0
MML EQUITY INDEX FUND	EQUITY	TWENTY FIRST CENTURY FOX B	501,214.97	13,781	0.07		0
MML EQUITY INDEX FUND	EQUITY	INTERCONTINENTAL EXCHANGE IN	1,326,753.40	18,295	0.19		0
MML EQUITY INDEX FUND	EQUITY	ALLEGION PLC	254,505.36	2,984	0.04		0
MML EQUITY INDEX FUND	EQUITY	AMERICAN AIRLINES GROUP INC	689,249.40	13,265	0.10		0
MML EQUITY INDEX FUND	EQUITY	PERRIGO CO PLC	342,944.10	4,115	0.05		0
MML EQUITY INDEX FUND	EQUITY	NAVIENT CORP	110,509.76	8,423	0.02		0
MML EQUITY INDEX FUND	EQUITY	PENTAIR PLC	353,526.57	5,189	0.05		0
MML EQUITY INDEX FUND	EQUITY	SYNCHRONY FINANCIAL	754,592.65	22,505	0.11		0
MML EQUITY INDEX FUND	EQUITY	ANTHEM INC	1,767,047.10	8,043	0.25		0
MML EQUITY INDEX FUND	EQUITY	CROWN CASTLE INTL CORP	1,431,396.99	13,059	0.20		0
MML EQUITY INDEX FUND	EQUITY	WALGREENS BOOTS ALLIANCE INC	1,756,298.22	26,826	0.25		0
MML EQUITY INDEX FUND	EQUITY	RAYTHEON COMPANY	1,959,645.60	9,080	0.27		0
MML EQUITY INDEX FUND	EQUITY	ALLIANCE DATA SYSTEMS CORP	321,418.60	1,510	0.05		0
MML EQUITY INDEX FUND	EQUITY	ROCKWELL COLLINS INC	695,960.85	5,161	0.10		0
MML EQUITY INDEX FUND	EQUITY	ZIMMER BIOMET HOLDINGS INC	698,183.12	6,403	0.10		0
MML EQUITY INDEX FUND	EQUITY	AMERISOURCEBERGEN CORP	441,395.20	5,120	0.06		0
MML EQUITY INDEX FUND	EQUITY	CHEVRON CORP	6,857,567.32	60,133	0.96		0
MML EQUITY INDEX FUND	EQUITY	PRINCIPAL FINANCIAL GROUP	518,526.83	8,513	0.07		0
MML EQUITY INDEX FUND	EQUITY	FOOT LOCKER INC	176,421.96	3,874	0.02		0
MML EQUITY INDEX FUND	EQUITY	ADVANCE AUTO PARTS INC	275,154.55	2,321	0.04		0
MML EQUITY INDEX FUND	EQUITY	ACUITY BRANDS INC	184,287.56	1,324	0.03		0
MML EQUITY INDEX FUND	EQUITY	PRUDENTIAL FINANCIAL INC	1,374,522.70	13,274	0.19		0
MML EQUITY INDEX FUND	EQUITY	CENTENE CORP	584,258.29	5,467	0.08		0
MML EQUITY INDEX FUND	EQUITY	3M CO	4,115,341.44	18,747	0.58		0
MML EQUITY INDEX FUND	EQUITY	NOBLE ENERGY INC	470,316.60	15,522	0.07		0
MML EQUITY INDEX FUND	EQUITY	YUM BRANDS INC	891,651.62	10,474	0.12		0
MML EQUITY INDEX FUND	EQUITY	NETFLIX INC	4,034,776.35	13,661	0.56		0
MML EQUITY INDEX FUND	EQUITY	JM SMUCKER CO/THE	442,591.69	3,569	0.06		0
MML EQUITY INDEX FUND	EQUITY	SKYWORKS SOLUTIONS INC	574,189.02	5,727	0.08		0
MML EQUITY INDEX FUND	EQUITY	CONOCOPHILLIPS	2,193,077.81	36,989	0.31		0
MML EQUITY INDEX FUND	EQUITY	CENTERPOINT ENERGY INC	370,941.20	13,538	0.05		0
MML EQUITY INDEX FUND	EQUITY	CIMAREX ENERGY CO	279,752.00	2,992	0.04		0
MML EQUITY INDEX FUND	EQUITY	CARMAX INC	354,730.38	5,727	0.05		0
MML EQUITY INDEX FUND	EQUITY	WYNN RESORTS LTD	459,182.48	2,518	0.06		0
MML EQUITY INDEX FUND	EQUITY	COMCAST CORP CLASS A	4,985,915.55	145,915	0.70		0
MML EQUITY INDEX FUND	EQUITY	NEKTAR THERAPEUTICS	538,313.16	5,066	0.08		0
MML EQUITY INDEX FUND	EQUITY	ALTRIA GROUP INC	3,727,920.08	59,819	0.52		0
MML EQUITY INDEX FUND	EQUITY	CARNIVAL CORP	840,145.38	12,811	0.12		0
MML EQUITY INDEX FUND	EQUITY	INTUITIVE SURGICAL INC	1,459,766.88	3,536	0.20		0
MML EQUITY INDEX FUND	EQUITY	LKQ CORP	368,228.85	9,703	0.05		0
MML EQUITY INDEX FUND	EQUITY	BIOGEN INC	1,823,641.20	6,660	0.26		0
MML EQUITY INDEX FUND	EQUITY	NRG ENERGY INC	288,630.62	9,454	0.04		0

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As of 3/31/2018

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML EQUITY INDEX FUND	EQUITY	ASSURANT INC	151,466.37	1,657	0.02		0
MML EQUITY INDEX FUND	EQUITY	SALESFORCE.COM INC	2,512,545.20	21,604	0.35		0
MML EQUITY INDEX FUND	EQUITY	REGIONS FINANCIAL CORP	657,248.92	35,374	0.09		0
MML EQUITY INDEX FUND	EQUITY	EXTRA SPACE STORAGE INC	345,508.80	3,955	0.05		0
MML EQUITY INDEX FUND	EQUITY	DIGITAL REALTY TRUST INC	680,227.90	6,455	0.10		0
MML EQUITY INDEX FUND	EQUITY	MOLSON COORS BREWING CO B	437,215.32	5,804	0.06		0
MML EQUITY INDEX FUND	EQUITY	SVB FINANCIAL GROUP	400,096.67	1,667	0.06		0
MML EQUITY INDEX FUND	EQUITY	CF INDUSTRIES HOLDINGS INC	276,485.44	7,328	0.04		0
MML EQUITY INDEX FUND	EQUITY	AMERIPRISE FINANCIAL INC	681,411.64	4,606	0.10		0
MML EQUITY INDEX FUND	EQUITY	C.H. ROBINSON WORLDWIDE INC	410,356.09	4,379	0.06		0
MML EQUITY INDEX FUND	EQUITY	UNDER ARMOUR INC CLASS A	93,440.25	5,715	0.01		0
MML EQUITY INDEX FUND	EQUITY	AT+T INC	6,891,216.30	193,302	0.96		0
MML EQUITY INDEX FUND	EQUITY	VIACOM INC CLASS B	343,896.32	11,072	0.05		0
MML EQUITY INDEX FUND	EQUITY	CBS CORP CLASS B NON VOTING	559,174.59	10,881	0.08		0
MML EQUITY INDEX FUND	EQUITY	CHIPOTLE MEXICAN GRILL INC	252,348.91	781	0.04		0
MML EQUITY INDEX FUND	EQUITY	FIDELITY NATIONAL INFO SERV	1,005,083.10	10,437	0.14		0
MML EQUITY INDEX FUND	EQUITY	CA INC	334,186.20	9,858	0.05		0
MML EQUITY INDEX FUND	EQUITY	TRANSDIGM GROUP INC	471,152.90	1,535	0.07		0
MML EQUITY INDEX FUND	EQUITY	HESS CORP	429,713.18	8,489	0.06		0
MML EQUITY INDEX FUND	EQUITY	MASTERCARD INC A	5,089,974.44	29,059	0.71		0
MML EQUITY INDEX FUND	EQUITY	WYNDHAM WORLDWIDE CORP	359,310.20	3,140	0.05		0
MML EQUITY INDEX FUND	EQUITY	HANESBRANDS INC	211,185.30	11,465	0.03		0
MML EQUITY INDEX FUND	EQUITY	WESTERN UNION CO	277,431.21	14,427	0.04		0
MML EQUITY INDEX FUND	EQUITY	IPG PHOTONICS CORP	279,589.24	1,198	0.04		0
MML EQUITY INDEX FUND	EQUITY	TRAVELERS COS INC/THE	1,186,419.84	8,544	0.17		0
MML EQUITY INDEX FUND	EQUITY	UDR INC	299,243.62	8,401	0.04		0
MML EQUITY INDEX FUND	EQUITY	PEOPLE S UNITED FINANCIAL	202,349.04	10,844	0.03		0
MML EQUITY INDEX FUND	EQUITY	DELTA AIR LINES INC	1,122,508.80	20,480	0.16		0
MML EQUITY INDEX FUND	EQUITY	MACY S INC	284,552.32	9,568	0.04		0
MML EQUITY INDEX FUND	EQUITY	DISCOVER FINANCIAL SERVICES	803,673.89	11,173	0.11		0
MML EQUITY INDEX FUND	EQUITY	BANK OF NEW YORK MELLON CORP	1,637,468.81	31,777	0.23		0
MML EQUITY INDEX FUND	EQUITY	CME GROUP INC	1,732,073.66	10,709	0.24		0
MML EQUITY INDEX FUND	EQUITY	CONCHO RESOURCES INC	707,302.65	4,705	0.10		0
MML EQUITY INDEX FUND	EQUITY	XILINX INC	580,159.44	8,031	0.08		0
MML EQUITY INDEX FUND	EQUITY	VERISIGN INC	310,508.64	2,619	0.04		0
MML EQUITY INDEX FUND	EQUITY	HARTFORD FINANCIAL SVCS GRP	577,281.60	11,205	0.08		0
MML EQUITY INDEX FUND	EQUITY	ELECTRONIC ARTS INC	1,172,754.52	9,673	0.16		0
MML EQUITY INDEX FUND	EQUITY	AFLAC INC	1,073,345.28	24,528	0.15		0
MML EQUITY INDEX FUND	EQUITY	METLIFE INC	1,497,711.93	32,637	0.21		0
MML EQUITY INDEX FUND	EQUITY	MGM RESORTS INTERNATIONAL	560,565.14	16,007	0.08		0
MML EQUITY INDEX FUND	EQUITY	SCHWAB (CHARLES) CORP	1,969,633.96	37,718	0.28		0
MML EQUITY INDEX FUND	EQUITY	ADOBE SYSTEMS INC	3,346,214.88	15,486	0.47		0
MML EQUITY INDEX FUND	EQUITY	HORMEL FOODS CORP	290,209.92	8,456	0.04		0
MML EQUITY INDEX FUND	EQUITY	MCCORMICK + CO NON VTG SHRS	406,516.19	3,821	0.06		0
MML EQUITY INDEX FUND	EQUITY	UNITEDHEALTH GROUP INC	6,519,082.00	30,463	0.91		0
MML EQUITY INDEX FUND	EQUITY	AUTODESK INC	871,399.62	6,939	0.12		0
MML EQUITY INDEX FUND	EQUITY	JACOBS ENGINEERING GROUP INC	224,060.20	3,788	0.03		0
MML EQUITY INDEX FUND	EQUITY	LABORATORY CRP OF AMER HLDGS	516,953.00	3,196	0.07		0
MML EQUITY INDEX FUND	EQUITY	CAMPBELL SOUP CO	261,679.02	6,042	0.04		0
MML EQUITY INDEX FUND	EQUITY	PARKER HANNIFIN CORP	715,931.58	4,186	0.10		0
MML EQUITY INDEX FUND	EQUITY	VF CORP	769,439.72	10,381	0.11		0
MML EQUITY INDEX FUND	EQUITY	TYSON FOODS INC CL A	684,180.12	9,348	0.10		0

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

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	1,892,012.84	19,324	0.26		0
MML EQUITY INDEX FUND	EQUITY	SEALED AIR CORP	224,989.82	5,258	0.03		0
MML EQUITY INDEX FUND	EQUITY	REPUBLIC SERVICES INC	467,914.95	7,065	0.07		0
MML EQUITY INDEX FUND	EQUITY	AKAMAI TECHNOLOGIES INC	381,943.38	5,381	0.05		0
MML EQUITY INDEX FUND	EQUITY	BLACKROCK INC	2,109,457.68	3,894	0.30		0
MML EQUITY INDEX FUND	EQUITY	MARTIN MARIETTA MATERIALS	409,624.80	1,976	0.06		0
MML EQUITY INDEX FUND	EQUITY	AGILENT TECHNOLOGIES INC	681,108.90	10,181	0.10		0
MML EQUITY INDEX FUND	EQUITY	PACCAR INC	735,876.57	11,121	0.10		0
MML EQUITY INDEX FUND	EQUITY	MICROCHIP TECHNOLOGY INC	675,881.28	7,398	0.09		0
MML EQUITY INDEX FUND	EQUITY	NATIONAL OILWELL VARCO INC	439,658.64	11,944	0.06		0
MML EQUITY INDEX FUND	EQUITY	STARBUCKS CORP	2,560,879.93	44,237	0.36		0
MML EQUITY INDEX FUND	EQUITY	RAYMOND JAMES FINANCIAL INC	365,329.26	4,086	0.05		0
MML EQUITY INDEX FUND	EQUITY	LEGGETT + PLATT INC	186,888.68	4,213	0.03		0
MML EQUITY INDEX FUND	EQUITY	VERIZON COMMUNICATIONS INC	6,214,687.20	129,960	0.87		0
MML EQUITY INDEX FUND	EQUITY	KANSAS CITY SOUTHERN	357,232.20	3,252	0.05		0
MML EQUITY INDEX FUND	EQUITY	JUNIPER NETWORKS INC	263,810.19	10,843	0.04		0
MML EQUITY INDEX FUND	EQUITY	NEWFIELD EXPLORATION CO	152,038.92	6,226	0.02		0
MML EQUITY INDEX FUND	EQUITY	QUANTA SERVICES INC	166,219.65	4,839	0.02		0
MML EQUITY INDEX FUND	EQUITY	ILLUMINA INC	1,094,388.18	4,629	0.15		0
MML EQUITY INDEX FUND	EQUITY	FORD MOTOR CO	1,363,205.64	123,033	0.19		0
MML EQUITY INDEX FUND	EQUITY	XCEL ENERGY INC	725,360.52	15,949	0.10		0
MML EQUITY INDEX FUND	EQUITY	CONSTELLATION BRANDS INC A	1,228,260.88	5,389	0.17		0
MML EQUITY INDEX FUND	EQUITY	NASDAQ INC	318,755.34	3,697	0.04		0
MML EQUITY INDEX FUND	EQUITY	DAVITA INC	302,532.72	4,588	0.04		0
MML EQUITY INDEX FUND	EQUITY	MONSANTO CO	1,619,190.44	13,876	0.23		0
MML EQUITY INDEX FUND	EQUITY	ACCENTURE PLC CL A	2,980,049.00	19,414	0.42		0
MML EQUITY INDEX FUND	EQUITY	VERISK ANALYTICS INC	507,416.00	4,879	0.07		0
MML EQUITY INDEX FUND	EQUITY	MERCK + CO. INC.	4,622,433.14	84,862	0.65		0
MML EQUITY INDEX FUND	EQUITY	DOLLAR GENERAL CORP	760,000.20	8,124	0.11		0
MML EQUITY INDEX FUND	EQUITY	BERKSHIRE HATHAWAY INC CL B	12,082,703.08	60,571	1.69		0
MML EQUITY INDEX FUND	EQUITY	STANLEY BLACK + DECKER INC	738,117.60	4,818	0.10		0
MML EQUITY INDEX FUND	EQUITY	LYONDELLBASELL INDU CL A	1,078,570.08	10,206	0.15		0
MML EQUITY INDEX FUND	EQUITY	E TRADE FINANCIAL CORP	464,723.67	8,387	0.07		0
MML EQUITY INDEX FUND	EQUITY	NEXTERA ENERGY INC	2,420,060.61	14,817	0.34		0
MML EQUITY INDEX FUND	EQUITY	CBOE GLOBAL MARKETS INC	405,283.20	3,552	0.06		0
MML EQUITY INDEX FUND	EQUITY	GARMIN LTD	204,958.54	3,478	0.03		0
MML EQUITY INDEX FUND	EQUITY	EXELON CORP	1,187,386.38	30,438	0.17		0
MML EQUITY INDEX FUND	EQUITY	FLUOR CORP	250,795.26	4,383	0.04		0
MML EQUITY INDEX FUND	EQUITY	AETNA INC	1,739,010.00	10,290	0.24		0
MML EQUITY INDEX FUND	EQUITY	T ROWE PRICE GROUP INC	831,045.09	7,697	0.12		0
MML EQUITY INDEX FUND	EQUITY	JPMORGAN CHASE + CO	11,879,289.31	108,023	1.66		0
MML EQUITY INDEX FUND	EQUITY	GLOBAL PAYMENTS INC	557,488.48	4,999	0.08		0
MML EQUITY INDEX FUND	EQUITY	ALIGN TECHNOLOGY INC	569,311.71	2,267	0.08		0
MML EQUITY INDEX FUND	EQUITY	REGENCY CENTERS CORP	274,198.02	4,649	0.04		0
MML EQUITY INDEX FUND	EQUITY	US BANCORP	2,494,195.00	49,390	0.35		0
MML EQUITY INDEX FUND	EQUITY	MASCO CORP	399,708.96	9,884	0.06		0
MML EQUITY INDEX FUND	EQUITY	PNC FINANCIAL SERVICES GROUP	2,244,552.84	14,841	0.31		0
MML EQUITY INDEX FUND	EQUITY	TORCHMARK CORP	283,063.71	3,363	0.04		0
MML EQUITY INDEX FUND	EQUITY	BANK OF AMERICA CORP	9,031,308.56	301,144	1.26		0
MML EQUITY INDEX FUND	EQUITY	EMERSON ELECTRIC CO	1,366,819.60	20,012	0.19		0
MML EQUITY INDEX FUND	EQUITY	WW GRAINGER INC	454,172.43	1,609	0.06		0
MML EQUITY INDEX FUND	EQUITY	HARRIS CORP	603,671.04	3,743	0.08		0

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML EQUITY INDEX FUND	EQUITY	INTL BUSINESS MACHINES CORP	4,138,007.10	26,970	0.58	0	
MML EQUITY INDEX FUND	EQUITY	EQUIFAX INC	444,261.51	3,771	0.06	0	
MML EQUITY INDEX FUND	EQUITY	FEDEX CORP	1,860,852.50	7,750	0.26	0	
MML EQUITY INDEX FUND	EQUITY	FISERV INC	928,456.20	13,020	0.13	0	
MML EQUITY INDEX FUND	EQUITY	ANALOG DEVICES INC	1,061,755.63	11,651	0.15	0	
MML EQUITY INDEX FUND	EQUITY	CARDINAL HEALTH INC	619,403.76	9,882	0.09	0	
MML EQUITY INDEX FUND	EQUITY	HARLEY DAVIDSON INC	226,663.68	5,286	0.03	0	
MML EQUITY INDEX FUND	EQUITY	INTERPUBLIC GROUP OF COS INC	280,436.31	12,177	0.04	0	
MML EQUITY INDEX FUND	EQUITY	KROGER CO	663,951.96	27,734	0.09	0	
MML EQUITY INDEX FUND	EQUITY	PEPSICO INC	4,886,645.50	44,770	0.68	0	
MML EQUITY INDEX FUND	EQUITY	UNITED PARCEL SERVICE CL B	2,268,296.18	21,673	0.32	0	
MML EQUITY INDEX FUND	EQUITY	SHERWIN WILLIAMS CO/THE	1,021,864.72	2,606	0.14	0	
MML EQUITY INDEX FUND	EQUITY	NEWELL BRANDS INC	387,958.48	15,226	0.05	0	
MML EQUITY INDEX FUND	EQUITY	SNAP ON INC	264,244.14	1,791	0.04	0	
MML EQUITY INDEX FUND	EQUITY	ANADARKO PETROLEUM CORP	1,038,568.72	17,192	0.15	0	
MML EQUITY INDEX FUND	EQUITY	DEERE + CO	1,584,264.00	10,200	0.22	0	
MML EQUITY INDEX FUND	EQUITY	KIMCO REALTY CORP	192,600.00	13,375	0.03	0	
MML EQUITY INDEX FUND	EQUITY	TIFFANY + CO	313,195.62	3,207	0.04	0	
MML EQUITY INDEX FUND	EQUITY	VORNADO REALTY TRUST	364,429.50	5,415	0.05	0	
MML EQUITY INDEX FUND	EQUITY	ZIONS BANCORPORATION	325,976.86	6,182	0.05	0	
MML EQUITY INDEX FUND	EQUITY	AVALONBAY COMMUNITIES INC	713,427.48	4,338	0.10	0	
MML EQUITY INDEX FUND	EQUITY	BOSTON PROPERTIES INC	597,370.56	4,848	0.08	0	
MML EQUITY INDEX FUND	EQUITY	EQUITY RESIDENTIAL	716,763.84	11,632	0.10	0	
MML EQUITY INDEX FUND	EQUITY	HOST HOTELS + RESORTS INC	433,398.64	23,251	0.06	0	
MML EQUITY INDEX FUND	EQUITY	SL GREEN REALTY CORP	277,321.12	2,864	0.04	0	
MML EQUITY INDEX FUND	EQUITY	DUKE REALTY CORP	296,205.28	11,186	0.04	0	
MML EQUITY INDEX FUND	EQUITY	PUBLIC STORAGE	947,243.53	4,727	0.13	0	
MML EQUITY INDEX FUND	EQUITY	SIMON PROPERTY GROUP INC	1,512,784.35	9,801	0.21	0	
MML EQUITY INDEX FUND	EQUITY	AIR PRODUCTS + CHEMICALS INC	1,097,307.00	6,900	0.15	0	
MML EQUITY INDEX FUND	EQUITY	AUTOMATIC DATA PROCESSING	1,585,883.00	13,975	0.22	0	
MML EQUITY INDEX FUND	EQUITY	CIGNA CORP	1,282,372.30	7,645	0.18	0	
MML EQUITY INDEX FUND	EQUITY	CATERPILLAR INC	2,773,396.84	18,818	0.39	0	
MML EQUITY INDEX FUND	EQUITY	COLGATE PALMOLIVE CO	1,977,149.44	27,583	0.28	0	
MML EQUITY INDEX FUND	EQUITY	ECOLAB INC	1,124,522.28	8,204	0.16	0	
MML EQUITY INDEX FUND	EQUITY	GENERAL MILLS INC	808,827.00	17,950	0.11	0	
MML EQUITY INDEX FUND	EQUITY	GOLDMAN SACHS GROUP INC	2,801,186.92	11,122	0.39	0	
MML EQUITY INDEX FUND	EQUITY	PAYCHEX INC	618,733.14	10,046	0.09	0	
MML EQUITY INDEX FUND	EQUITY	ROSS STORES INC	938,333.34	12,033	0.13	0	
MML EQUITY INDEX FUND	EQUITY	SCHLUMBERGER LTD	2,823,889.76	43,592	0.40	0	
MML EQUITY INDEX FUND	EQUITY	ADVANCED MICRO DEVICES	258,918.15	25,763	0.04	0	
MML EQUITY INDEX FUND	EQUITY	AUTOZONE INC	555,278.64	856	0.08	0	
MML EQUITY INDEX FUND	EQUITY	AVERY DENNISON CORP	294,950.00	2,776	0.04	0	
MML EQUITY INDEX FUND	EQUITY	BOEING CO/THE	5,709,374.44	17,413	0.80	0	
MML EQUITY INDEX FUND	EQUITY	DOVER CORP	475,777.68	4,844	0.07	0	
MML EQUITY INDEX FUND	EQUITY	HALLIBURTON CO	1,291,694.92	27,518	0.18	0	
MML EQUITY INDEX FUND	EQUITY	HERSHEY CO/THE	438,491.76	4,431	0.06	0	
MML EQUITY INDEX FUND	EQUITY	KLA TENCOR CORP	536,547.22	4,922	0.08	0	
MML EQUITY INDEX FUND	EQUITY	KOHL'S CORP	346,809.94	5,294	0.05	0	
MML EQUITY INDEX FUND	EQUITY	PPG INDUSTRIES INC	892,018.80	7,993	0.12	0	
MML EQUITY INDEX FUND	EQUITY	QUALCOMM INC	2,582,383.05	46,605	0.36	0	
MML EQUITY INDEX FUND	EQUITY	ROCKWELL AUTOMATION INC	698,542.00	4,010	0.10	0	
MML EQUITY INDEX FUND	EQUITY	SOUTHWEST AIRLINES CO	975,478.40	17,030	0.14	0	

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

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	1,003,658.04	14,751	0.14		0
MML EQUITY INDEX FUND	EQUITY	TJX COMPANIES INC	1,623,451.80	19,905	0.23		0
MML EQUITY INDEX FUND	EQUITY	VULCAN MATERIALS CO	479,285.66	4,198	0.07		0
MML EQUITY INDEX FUND	EQUITY	WEYERHAEUSER CO	834,855.00	23,853	0.12		0
MML EQUITY INDEX FUND	EQUITY	WILLIAMS COS INC	645,639.06	25,971	0.09		0
MML EQUITY INDEX FUND	EQUITY	APPLIED MATERIALS INC	1,840,134.90	33,090	0.26		0
MML EQUITY INDEX FUND	EQUITY	CABOT OIL + GAS CORP	348,381.44	14,528	0.05		0
MML EQUITY INDEX FUND	EQUITY	CELGENE CORP	2,112,314.38	23,678	0.30		0
MML EQUITY INDEX FUND	EQUITY	CERNER CORP	575,302.00	9,919	0.08		0
MML EQUITY INDEX FUND	EQUITY	CHURCH + DWIGHT CO INC	386,915.88	7,683	0.05		0
MML EQUITY INDEX FUND	EQUITY	COGNIZANT TECH SOLUTIONS A	1,491,021.00	18,522	0.21		0
MML EQUITY INDEX FUND	EQUITY	COOPER COS INC/THE	351,909.78	1,538	0.05		0
MML EQUITY INDEX FUND	EQUITY	FLIR SYSTEMS INC	217,293.45	4,345	0.03		0
MML EQUITY INDEX FUND	EQUITY	FLOWSERVE CORP	176,743.07	4,079	0.02		0
MML EQUITY INDEX FUND	EQUITY	ARTHUR J GALLAGHER + CO	394,785.12	5,744	0.06		0
MML EQUITY INDEX FUND	EQUITY	IDEXX LABORATORIES INC	524,408.60	2,740	0.07		0
MML EQUITY INDEX FUND	EQUITY	INCYTE CORP	462,898.15	5,555	0.06		0
MML EQUITY INDEX FUND	EQUITY	RESMED INC	443,902.76	4,508	0.06		0
MML EQUITY INDEX FUND	EQUITY	STERICYCLE INC	156,216.57	2,669	0.02		0
MML EQUITY INDEX FUND	EQUITY	TAKE TWO INTERACTIVE SOFTWRE	352,399.12	3,604	0.05		0
MML EQUITY INDEX FUND	EQUITY	VARIAN MEDICAL SYSTEMS INC	352,864.05	2,877	0.05		0
MML EQUITY INDEX FUND	EQUITY	VERTEX PHARMACEUTICALS INC	1,302,536.16	7,992	0.18		0
MML EQUITY INDEX FUND	EQUITY	WESTERN DIGITAL CORP	864,477.63	9,369	0.12		0
MML EQUITY INDEX FUND	EQUITY	ALEXANDRIA REAL ESTATE EQUIT	396,900.42	3,178	0.06		0
MML EQUITY INDEX FUND	EQUITY	AMPHENOL CORP CL A	830,809.98	9,646	0.12		0
MML EQUITY INDEX FUND	EQUITY	APARTMENT INVT + MGMT CO A	200,571.50	4,922	0.03		0
MML EQUITY INDEX FUND	EQUITY	BALL CORP	436,690.87	10,997	0.06		0
MML EQUITY INDEX FUND	EQUITY	ESSEX PROPERTY TRUST INC	499,170.32	2,074	0.07		0
MML EQUITY INDEX FUND	EQUITY	FEDERAL REALTY INVS TRUST	269,839.64	2,324	0.04		0
MML EQUITY INDEX FUND	EQUITY	GILEAD SCIENCES INC	3,108,631.26	41,234	0.44		0
MML EQUITY INDEX FUND	EQUITY	MACERICH CO/THE	189,851.78	3,389	0.03		0
MML EQUITY INDEX FUND	EQUITY	METTLER TOLEDO INTERNATIONAL	462,324.12	804	0.06		0
MML EQUITY INDEX FUND	EQUITY	NVIDIA CORP	4,408,778.83	19,037	0.62		0
MML EQUITY INDEX FUND	EQUITY	SYMANTEC CORP	503,506.30	19,478	0.07		0
MML EQUITY INDEX FUND	EQUITY	UNIVERSAL HEALTH SERVICES B	325,864.32	2,752	0.05		0
MML EQUITY INDEX FUND	EQUITY	BECTON DICKINSON AND CO	1,816,812.80	8,384	0.25		0
MML EQUITY INDEX FUND	EQUITY	CENTURYLINK INC	502,100.80	30,560	0.07		0
MML EQUITY INDEX FUND	EQUITY	CLOROX COMPANY	544,020.57	4,087	0.08		0
MML EQUITY INDEX FUND	EQUITY	CONAGRA BRANDS INC	466,458.24	12,648	0.07		0
MML EQUITY INDEX FUND	EQUITY	FRANKLIN RESOURCES INC	354,637.68	10,226	0.05		0
MML EQUITY INDEX FUND	EQUITY	GENERAL DYNAMICS CORP	1,920,504.60	8,694	0.27		0
MML EQUITY INDEX FUND	EQUITY	HASBRO INC	300,445.20	3,564	0.04		0
MML EQUITY INDEX FUND	EQUITY	HONEYWELL INTERNATIONAL INC	3,421,996.80	23,680	0.48		0
MML EQUITY INDEX FUND	EQUITY	PROCTER + GAMBLE CO/THE	6,289,440.96	79,332	0.88		0
MML EQUITY INDEX FUND	EQUITY	AES CORP	235,393.11	20,703	0.03		0
MML EQUITY INDEX FUND	EQUITY	AMGEN INC	3,586,899.20	21,040	0.50		0
MML EQUITY INDEX FUND	EQUITY	APPLE INC	26,798,324.94	159,723	3.75		0
MML EQUITY INDEX FUND	EQUITY	BEST BUY CO INC	559,150.11	7,989	0.08		0
MML EQUITY INDEX FUND	EQUITY	BOSTON SCIENTIFIC CORP	1,183,338.48	43,314	0.17		0
MML EQUITY INDEX FUND	EQUITY	CVS HEALTH CORP	1,987,174.03	31,943	0.28		0
MML EQUITY INDEX FUND	EQUITY	CISCO SYSTEMS INC	6,504,096.94	151,646	0.91		0
MML EQUITY INDEX FUND	EQUITY	WALT DISNEY CO/THE	4,754,427.84	47,336	0.67		0

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML EQUITY INDEX FUND	EQUITY	GAP INC/THE	213,252.00	6,835	0.03		0
MML EQUITY INDEX FUND	EQUITY	GENERAL ELECTRIC CO	3,684,811.92	273,354	0.52		0
MML EQUITY INDEX FUND	EQUITY	HOME DEPOT INC	6,551,924.16	36,759	0.92		0
MML EQUITY INDEX FUND	EQUITY	MICROSOFT CORP	22,124,030.54	242,402	3.10		0
MML EQUITY INDEX FUND	EQUITY	MICRON TECHNOLOGY INC	1,898,104.56	36,404	0.27		0
MML EQUITY INDEX FUND	EQUITY	OMNICOM GROUP	525,258.76	7,228	0.07		0
MML EQUITY INDEX FUND	EQUITY	ORACLE CORP	4,352,289.00	95,132	0.61		0
MML EQUITY INDEX FUND	EQUITY	PFIZER INC	6,649,974.24	187,376	0.93		0
MML EQUITY INDEX FUND	EQUITY	PRAXAIR INC	1,305,482.10	9,047	0.18		0
MML EQUITY INDEX FUND	EQUITY	WALMART INC	4,065,128.27	45,691	0.57		0
MML EQUITY INDEX FUND	EQUITY	WATERS CORP	491,460.10	2,474	0.07		0
MML EQUITY INDEX FUND	EQUITY	WELLS FARGO + CO	7,242,642.72	138,192	1.01		0
MML EQUITY INDEX FUND	EQUITY	BAXTER INTERNATIONAL INC	1,017,810.96	15,649	0.14		0
MML EQUITY INDEX FUND	EQUITY	H+R BLOCK INC	169,179.78	6,658	0.02		0
MML EQUITY INDEX FUND	EQUITY	GENUINE PARTS CO	413,623.36	4,604	0.06		0
MML EQUITY INDEX FUND	EQUITY	INTL FLAVORS + FRAGRANCES	339,536.80	2,480	0.05		0
MML EQUITY INDEX FUND	EQUITY	KIMBERLY CLARK CORP	1,216,936.50	11,050	0.17		0
MML EQUITY INDEX FUND	EQUITY	ALEXION PHARMACEUTICALS INC	777,656.42	6,977	0.11		0
MML EQUITY INDEX FUND	EQUITY	AMETEK INC	551,466.23	7,259	0.08		0
MML EQUITY INDEX FUND	EQUITY	CUMMINS INC	794,403.09	4,901	0.11		0
MML EQUITY INDEX FUND	EQUITY	DR HORTON INC	470,315.52	10,728	0.07		0
MML EQUITY INDEX FUND	EQUITY	DTE ENERGY COMPANY	588,398.40	5,636	0.08		0
MML EQUITY INDEX FUND	EQUITY	DEVON ENERGY CORP	524,852.90	16,510	0.07		0
MML EQUITY INDEX FUND	EQUITY	DOMINION ENERGY INC	1,386,158.51	20,557	0.19		0
MML EQUITY INDEX FUND	EQUITY	EASTMAN CHEMICAL CO	476,588.12	4,514	0.07		0
MML EQUITY INDEX FUND	EQUITY	ENTERGY CORP	446,446.26	5,667	0.06		0
MML EQUITY INDEX FUND	EQUITY	FIRSTENERGY CORP	480,969.42	14,142	0.07		0
MML EQUITY INDEX FUND	EQUITY	GOODYEAR TIRE + RUBBER CO	200,944.80	7,560	0.03		0
MML EQUITY INDEX FUND	EQUITY	HELMERICH + PAYNE	227,102.72	3,412	0.03		0
MML EQUITY INDEX FUND	EQUITY	HUMANA INC	1,165,109.22	4,334	0.16		0
MML EQUITY INDEX FUND	EQUITY	INTERNATIONAL PAPER CO	693,093.96	12,972	0.10		0
MML EQUITY INDEX FUND	EQUITY	KEYCORP	653,321.90	33,418	0.09		0
MML EQUITY INDEX FUND	EQUITY	LAM RESEARCH CORP	1,042,820.28	5,133	0.15		0
MML EQUITY INDEX FUND	EQUITY	LENNAR CORP A	507,944.92	8,618	0.07		0
MML EQUITY INDEX FUND	EQUITY	LOCKHEED MARTIN CORP	2,642,950.53	7,821	0.37		0
MML EQUITY INDEX FUND	EQUITY	NORFOLK SOUTHERN CORP	1,215,231.00	8,950	0.17		0
MML EQUITY INDEX FUND	EQUITY	NORTHROP GRUMMAN CORP	1,914,224.96	5,483	0.27		0
MML EQUITY INDEX FUND	EQUITY	OCCIDENTAL PETROLEUM CORP	1,566,640.32	24,117	0.22		0
MML EQUITY INDEX FUND	EQUITY	P G + E CORP	713,247.48	16,236	0.10		0
MML EQUITY INDEX FUND	EQUITY	PPL CORP	620,371.41	21,929	0.09		0
MML EQUITY INDEX FUND	EQUITY	PIONEER NATURAL RESOURCES CO	923,317.50	5,375	0.13		0
MML EQUITY INDEX FUND	EQUITY	PUBLIC SERVICE ENTERPRISE GP	798,816.00	15,900	0.11		0
MML EQUITY INDEX FUND	EQUITY	PULTEGROUP INC	245,917.11	8,339	0.03		0
MML EQUITY INDEX FUND	EQUITY	SCANA CORP	167,773.40	4,468	0.02		0
MML EQUITY INDEX FUND	EQUITY	THERMO FISHER SCIENTIFIC INC	2,611,512.54	12,649	0.37		0
MML EQUITY INDEX FUND	EQUITY	MARATHON OIL CORP	430,719.39	26,703	0.06		0
MML EQUITY INDEX FUND	EQUITY	UNITED RENTALS INC	458,598.15	2,655	0.06		0
MML EQUITY INDEX FUND	EQUITY	VALERO ENERGY CORP	1,265,382.80	13,640	0.18		0
MML EQUITY INDEX FUND	EQUITY	HOLOGIC INC	323,500.24	8,659	0.05		0
MML EQUITY INDEX FUND	EQUITY	HUNT (JB) TRANSPRT SVCS INC	314,899.20	2,688	0.04		0
MML EQUITY INDEX FUND	EQUITY	QUEST DIAGNOSTICS INC	429,183.70	4,279	0.06		0
MML EQUITY INDEX FUND	EQUITY	RANGE RESOURCES CORP	105,691.26	7,269	0.01		0

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML EQUITY INDEX FUND	EQUITY	TOTAL SYSTEM SERVICES INC	448,465.74	5,199	0.06		0
MML EQUITY INDEX FUND	CASH	US DOLLAR	498,848.06	498,848	0.07		0
MML EQUITY INDEX FUND	EQUITY	EDWARDS LIFSCIENCES CORP	922,506.24	6,612	0.13		0
MML EQUITY INDEX FUND	EQUITY	ABBOTT LABORATORIES	3,283,196.56	54,793	0.46		0
MML EQUITY INDEX FUND	EQUITY	BRISTOL MYERS SQUIBB CO	3,251,872.25	51,413	0.46		0
MML EQUITY INDEX FUND	EQUITY	ILLINOIS TOOL WORKS	1,517,565.42	9,687	0.21		0
MML EQUITY INDEX FUND	EQUITY	LOWE S COS INC	2,290,626.00	26,104	0.32		0
MML EQUITY INDEX FUND	EQUITY	MARSH + MCLENNAN COS	1,319,044.89	15,971	0.18		0
MML EQUITY INDEX FUND	EQUITY	MATTEL INC	140,481.45	10,683	0.02		0
MML EQUITY INDEX FUND	EQUITY	NUCOR CORP	610,350.19	9,991	0.09		0
MML EQUITY INDEX FUND	EQUITY	SYSCO CORP	907,674.48	15,138	0.13		0
MML EQUITY INDEX FUND	EQUITY	TEXAS INSTRUMENTS INC	3,216,434.40	30,960	0.45		0
MML EQUITY INDEX FUND	EQUITY	TEXTRON INC	487,917.78	8,274	0.07		0
MML EQUITY INDEX FUND	EQUITY	COSTCO WHOLESALE CORP	2,604,479.46	13,822	0.36		0
MML EQUITY INDEX FUND	EQUITY	INTEL CORP	7,672,738.08	147,326	1.07		0
MML EQUITY INDEX FUND	EQUITY	JOHNSON + JOHNSON	10,821,626.75	84,445	1.52		0
MML EQUITY INDEX FUND	EQUITY	ELI LILLY + CO	2,347,405.80	30,340	0.33		0
MML EQUITY INDEX FUND	EQUITY	MCDONALD S CORP	3,924,199.72	25,094	0.55		0
MML EQUITY INDEX FUND	EQUITY	STATE STREET CORP	1,154,175.29	11,573	0.16		0
MML EQUITY INDEX FUND	EQUITY	SYNOPSIS INC	387,981.64	4,661	0.05		0
MML EQUITY INDEX FUND	EQUITY	TARGET CORP	1,190,307.92	17,144	0.17		0
MML EQUITY INDEX FUND	EQUITY	UNITED TECHNOLOGIES CORP	2,946,075.30	23,415	0.41		0
MML EQUITY INDEX FUND	EQUITY	WASTE MANAGEMENT INC	1,055,453.64	12,547	0.15		0
MML EQUITY INDEX FUND	EQUITY	WHIRLPOOL CORP	341,129.08	2,228	0.05		0
MML EQUITY INDEX FUND	EQUITY	AMERICAN EXPRESS CO	2,114,937.44	22,673	0.30		0
MML EQUITY INDEX FUND	EQUITY	COCA COLA CO/THE	5,249,080.09	120,863	0.73		0
MML EQUITY INDEX FUND	EQUITY	MARRIOTT INTERNATIONAL CL A	1,285,554.92	9,454	0.18		0
MML EQUITY INDEX FUND	EQUITY	NIKE INC CL B	2,715,070.60	40,865	0.38		0
MML EQUITY INDEX FUND	EQUITY	ANSYS INC	412,878.15	2,635	0.06		0
MML EQUITY INDEX FUND	EQUITY	VENTAS INC	554,141.64	11,188	0.08		0
MML EQUITY INDEX FUND	EQUITY	RED HAT INC	831,126.09	5,559	0.12		0
MML EQUITY INDEX FUND	EQUITY	GARTNER INC	334,981.76	2,848	0.05		0
MML EQUITY INDEX FUND	EQUITY	F5 NETWORKS INC	284,303.26	1,966	0.04		0
MML EQUITY INDEX FUND	EQUITY	INTUIT INC	1,328,034.35	7,661	0.19		0
MML EQUITY INDEX FUND	EQUITY	LEUCADIA NATIONAL CORP	223,322.25	9,825	0.03		0
MML EQUITY INDEX FUND	EQUITY	HUNTINGTON BANCSHARES INC	525,238.40	34,784	0.07		0
MML EQUITY INDEX FUND	EQUITY	STRYKER CORP	1,632,694.32	10,146	0.23		0
MML EQUITY INDEX FUND	EQUITY	ESTEE LAUDER COMPANIES CL A	1,058,071.24	7,067	0.15		0
MML EQUITY INDEX FUND	EQUITY	CITRIX SYSTEMS INC	377,046.40	4,063	0.05		0
MML EQUITY INDEX FUND	EQUITY	NORTHERN TRUST CORP	695,818.11	6,747	0.10		0
MML EQUITY INDEX FUND	EQUITY	NORDSTROM INC	178,923.36	3,696	0.03		0
MML EQUITY INDEX FUND	EQUITY	KELLOGG CO	507,988.14	7,814	0.07		0
MML EQUITY INDEX FUND	EQUITY	M + T BANK CORP	871,285.36	4,726	0.12		0
MML EQUITY INDEX FUND	EQUITY	PACKAGING CORP OF AMERICA	334,042.80	2,964	0.05		0
MML EQUITY INDEX FUND	EQUITY	EXPEDITORS INTL WASH INC	353,214.00	5,580	0.05		0
MML EQUITY INDEX FUND	EQUITY	NEWMONT MINING CORP	654,774.13	16,759	0.09		0
MML EQUITY INDEX FUND	EQUITY	ROYAL CARIBBEAN CRUISES LTD	633,441.20	5,380	0.09		0
MML EQUITY INDEX FUND	EQUITY	FIFTH THIRD BANCORP	694,118.50	21,862	0.10		0
MML EQUITY INDEX FUND	EQUITY	FREEPORT MCMORAN INC	743,158.29	42,297	0.10		0
MML EQUITY INDEX FUND	EQUITY	BB+T CORP	1,273,626.96	24,474	0.18		0
MML EQUITY INDEX FUND	EQUITY	COMERICA INC	523,873.73	5,461	0.07		0
MML EQUITY INDEX FUND	EQUITY	SEMPRA ENERGY	896,099.54	8,057	0.13		0

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

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	1,118,004.57	18,349	0.16	0	
MML EQUITY INDEX FUND	EQUITY	AMAZON.COM INC	18,305,956.32	12,648	2.56	0	
MML EQUITY INDEX FUND	EQUITY	MCKESSON CORP	915,232.39	6,497	0.13	0	
MML EQUITY INDEX FUND	EQUITY	MOHAWK INDUSTRIES INC	461,188.92	1,986	0.06	0	
MML EQUITY INDEX FUND	EQUITY	CINTAS CORP	461,248.32	2,704	0.06	0	
MML EQUITY INDEX FUND	EQUITY	ROBERT HALF INTL INC	227,681.37	3,933	0.03	0	
MML EQUITY INDEX FUND	EQUITY	FASTENAL CO	492,729.34	9,026	0.07	0	
MML EQUITY INDEX FUND	EQUITY	EBAY INC	1,192,673.36	29,639	0.17	0	
MML EQUITY INDEX FUND	EQUITY	BROWN FORMAN CORP CLASS B	448,310.40	8,241	0.06	0	
MML EQUITY INDEX FUND	EQUITY	ALLIANT ENERGY CORP	296,398.44	7,254	0.04	0	
MML EQUITY INDEX FUND	EQUITY	BORGWARNER INC	312,681.75	6,225	0.04	0	
MML EQUITY INDEX FUND	EQUITY	EOG RESOURCES INC	1,918,545.75	18,225	0.27	0	
MML EQUITY INDEX FUND	EQUITY	EDISON INTERNATIONAL	651,687.42	10,237	0.09	0	
MML EQUITY INDEX FUND	EQUITY	LINCOLN NATIONAL CORP	502,214.44	6,874	0.07	0	
MML EQUITY INDEX FUND	EQUITY	LOEWS CORP	423,252.03	8,511	0.06	0	
MML EQUITY INDEX FUND	EQUITY	NISOURCE INC	253,015.62	10,582	0.04	0	
MML EQUITY INDEX FUND	EQUITY	ONEOK INC	733,926.48	12,894	0.10	0	
MML EQUITY INDEX FUND	EQUITY	PINNACLE WEST CAPITAL	279,778.80	3,506	0.04	0	
MML EQUITY INDEX FUND	EQUITY	SOUTHERN CO/THE	1,418,848.20	31,770	0.20	0	
MML EQUITY INDEX FUND	EQUITY	UNUM GROUP	330,699.06	6,946	0.05	0	
MML EQUITY INDEX FUND	EQUITY	SMITH (A.O.) CORP	291,305.79	4,581	0.04	0	
MML EQUITY INDEX FUND	EQUITY	DARDEN RESTAURANTS INC	331,111.00	3,884	0.05	0	
MML EQUITY INDEX FUND	EQUITY	MID AMERICA APARTMENT COMM	325,726.80	3,570	0.05	0	
MML EQUITY INDEX FUND	EQUITY	REALTY INCOME CORP	465,932.11	9,007	0.07	0	
MML EQUITY INDEX FUND	EQUITY	ROPER TECHNOLOGIES INC	910,558.36	3,244	0.13	0	
MML EQUITY INDEX FUND	EQUITY	EVEREST RE GROUP LTD	331,297.80	1,290	0.05	0	
MML EQUITY INDEX FUND	EQUITY	ALASKA AIR GROUP INC	239,475.40	3,865	0.03	0	
MML EQUITY INDEX FUND	EQUITY	ALBEMARLE CORP	321,900.54	3,471	0.05	0	
MML EQUITY INDEX FUND	EQUITY	ALLSTATE CORP	1,057,683.60	11,157	0.15	0	
MML EQUITY INDEX FUND	EQUITY	AMEREN CORPORATION	431,690.49	7,623	0.06	0	
MML EQUITY INDEX FUND	EQUITY	AMERICAN ELECTRIC POWER	1,059,921.27	15,453	0.15	0	
MML EQUITY INDEX FUND	EQUITY	APACHE CORP	460,528.64	11,968	0.06	0	
MML EQUITY INDEX FUND	EQUITY	ARCHER DANIELS MIDLAND CO	762,010.90	17,570	0.11	0	
MML EQUITY INDEX FUND	EQUITY	CMS ENERGY CORP	400,952.37	8,853	0.06	0	
MML EQUITY INDEX FUND	EQUITY	CSX CORP	1,556,425.98	27,938	0.22	0	
MML EQUITY INDEX FUND	EQUITY	CINCINNATI FINANCIAL CORP	348,130.88	4,688	0.05	0	
MML EQUITY INDEX FUND	EQUITY	CONSOLIDATED EDISON INC	759,525.30	9,745	0.11	0	
MML EQUITY INDEX FUND	EQUITY	REGENERON PHARMACEUTICALS	838,516.60	2,435	0.12	0	
MML EQUITY INDEX FUND	EQUITY	HENRY SCHEIN INC	325,632.45	4,845	0.05	0	
MML EQUITY INDEX FUND	EQUITY	TRACTOR SUPPLY COMPANY	248,550.88	3,944	0.03	0	
MML EQUITY INDEX FUND	EQUITY	AFFILIATED MANAGERS GROUP	325,129.70	1,715	0.05	0	
MML MANAGED VOLATILITY FUND	EQUITY	DISCOVER FINANCIAL SERVICES	202,770.67	2,819	0.11	0	
MML MANAGED VOLATILITY FUND	EQUITY	BANK OF NEW YORK MELLON CORP	401,264.11	7,787	0.22	0	
MML MANAGED VOLATILITY FUND	EQUITY	CME GROUP INC	420,200.52	2,598	0.23	0	
MML MANAGED VOLATILITY FUND	EQUITY	CONCHO RESOURCES INC	176,036.43	1,171	0.10	0	
MML MANAGED VOLATILITY FUND	EQUITY	HCP INC	77,030.68	3,316	0.04	0	
MML MANAGED VOLATILITY FUND	EQUITY	ULTA BEAUTY INC	94,985.55	465	0.05	0	
MML MANAGED VOLATILITY FUND	EQUITY	INVESCO LTD	102,720.09	3,209	0.06	0	
MML MANAGED VOLATILITY FUND	EQUITY	DISH NETWORK CORP A	68,050.44	1,796	0.04	0	
MML MANAGED VOLATILITY FUND	EQUITY	DOLLAR TREE INC	165,220.90	1,741	0.09	0	
MML MANAGED VOLATILITY FUND	EQUITY	PHILIP MORRIS INTERNATIONAL	1,184,251.60	11,914	0.66	0	
MML MANAGED VOLATILITY FUND	EQUITY	VISA INC CLASS A SHARES	1,664,273.06	13,913	0.92	0	

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

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	131,399.70	2,130	0.07		0
MML MANAGED VOLATILITY FUND	EQUITY	GLOBAL PAYMENTS INC	139,846.08	1,254	0.08		0
MML MANAGED VOLATILITY FUND	EQUITY	ALIGN TECHNOLOGY INC	133,350.03	531	0.07		0
MML MANAGED VOLATILITY FUND	EQUITY	REGENCY CENTERS CORP	68,121.90	1,155	0.04		0
MML MANAGED VOLATILITY FUND	EQUITY	US BANCORP	612,262.00	12,124	0.34		0
MML MANAGED VOLATILITY FUND	EQUITY	RAYTHEON COMPANY	475,667.28	2,204	0.26		0
MML MANAGED VOLATILITY FUND	EQUITY	ALLIANCE DATA SYSTEMS CORP	79,396.78	373	0.04		0
MML MANAGED VOLATILITY FUND	EQUITY	ROCKWELL COLLINS INC	173,417.10	1,286	0.10		0
MML MANAGED VOLATILITY FUND	EQUITY	ZIMMER BIOMET HOLDINGS INC	174,027.84	1,596	0.10		0
MML MANAGED VOLATILITY FUND	EQUITY	AMERISOURCEBERGEN CORP	99,313.92	1,152	0.06		0
MML MANAGED VOLATILITY FUND	EQUITY	CHEVRON CORP	1,663,273.40	14,585	0.92		0
MML MANAGED VOLATILITY FUND	EQUITY	PRINCIPAL FINANCIAL GROUP	120,175.43	1,973	0.07		0
MML MANAGED VOLATILITY FUND	EQUITY	FOOT LOCKER INC	45,266.76	994	0.03		0
MML MANAGED VOLATILITY FUND	EQUITY	ADVANCE AUTO PARTS INC	68,640.45	579	0.04		0
MML MANAGED VOLATILITY FUND	EQUITY	ACUIITY BRANDS INC	46,350.27	333	0.03		0
MML MANAGED VOLATILITY FUND	EQUITY	PRUDENTIAL FINANCIAL INC	336,123.30	3,246	0.19		0
MML MANAGED VOLATILITY FUND	EQUITY	CENTENE CORP	145,129.46	1,358	0.08		0
MML MANAGED VOLATILITY FUND	EQUITY	3M CO	1,002,986.88	4,569	0.56		0
MML MANAGED VOLATILITY FUND	EQUITY	NOBLE ENERGY INC	116,109.60	3,832	0.06		0
MML MANAGED VOLATILITY FUND	EQUITY	YUM BRANDS INC	222,529.82	2,614	0.12		0
MML MANAGED VOLATILITY FUND	EQUITY	NETFLIX INC	977,903.85	3,311	0.54		0
MML MANAGED VOLATILITY FUND	EQUITY	JM SMUCKER CO/THE	110,988.95	895	0.06		0
MML MANAGED VOLATILITY FUND	EQUITY	SKYWORKS SOLUTIONS INC	145,377.00	1,450	0.08		0
MML MANAGED VOLATILITY FUND	EQUITY	CONOCOPHILLIPS	540,606.22	9,118	0.30		0
MML MANAGED VOLATILITY FUND	EQUITY	CENTERPOINT ENERGY INC	80,391.60	2,934	0.04		0
MML MANAGED VOLATILITY FUND	EQUITY	CIMAREX ENERGY CO	71,901.50	769	0.04		0
MML MANAGED VOLATILITY FUND	EQUITY	CARMAX INC	92,166.72	1,488	0.05		0
MML MANAGED VOLATILITY FUND	EQUITY	WYNN RESORTS LTD	118,534.00	650	0.07		0
MML MANAGED VOLATILITY FUND	EQUITY	COMCAST CORP CLASS A	1,220,825.76	35,728	0.68		0
MML MANAGED VOLATILITY FUND	EQUITY	NEKTAR THERAPEUTICS	129,212.16	1,216	0.07		0
MML MANAGED VOLATILITY FUND	EQUITY	ALTRIA GROUP INC	909,248.80	14,590	0.50		0
MML MANAGED VOLATILITY FUND	EQUITY	CARNIVAL CORP	211,495.50	3,225	0.12		0
MML MANAGED VOLATILITY FUND	EQUITY	INTUITIVE SURGICAL INC	358,749.27	869	0.20		0
MML MANAGED VOLATILITY FUND	EQUITY	LKQ CORP	93,736.50	2,470	0.05		0
MML MANAGED VOLATILITY FUND	EQUITY	BIOGEN INC	441,124.02	1,611	0.24		0
MML MANAGED VOLATILITY FUND	EQUITY	NRG ENERGY INC	74,279.49	2,433	0.04		0
MML MANAGED VOLATILITY FUND	EQUITY	ASSURANT INC	41,957.19	459	0.02		0
MML MANAGED VOLATILITY FUND	EQUITY	SALESFORCE.COM INC	607,551.20	5,224	0.34		0
MML MANAGED VOLATILITY FUND	EQUITY	REGIONS FINANCIAL CORP	157,112.48	8,456	0.09		0
MML MANAGED VOLATILITY FUND	EQUITY	EXTRA SPACE STORAGE INC	88,320.96	1,011	0.05		0
MML MANAGED VOLATILITY FUND	EQUITY	DIGITAL REALTY TRUST INC	170,715.60	1,620	0.09		0
MML MANAGED VOLATILITY FUND	EQUITY	MOLSON COORS BREWING CO B	109,680.48	1,456	0.06		0
MML MANAGED VOLATILITY FUND	EQUITY	SVB FINANCIAL GROUP	86,403.60	360	0.05		0
MML MANAGED VOLATILITY FUND	EQUITY	CF INDUSTRIES HOLDINGS INC	69,800.50	1,850	0.04		0
MML MANAGED VOLATILITY FUND	EQUITY	AMERIPRISE FINANCIAL INC	172,498.04	1,166	0.10		0
MML MANAGED VOLATILITY FUND	EQUITY	C.H. ROBINSON WORLDWIDE INC	92,772.90	990	0.05		0
MML MANAGED VOLATILITY FUND	EQUITY	UNDER ARMOUR INC CLASS A	26,421.60	1,616	0.01		0
MML MANAGED VOLATILITY FUND	EQUITY	AT+T INC	1,677,225.55	47,047	0.93		0
MML MANAGED VOLATILITY FUND	EQUITY	VIACOM INC CLASS B	85,943.02	2,767	0.05		0
MML MANAGED VOLATILITY FUND	EQUITY	CBS CORP CLASS B NON VOTING	146,255.94	2,846	0.08		0
MML MANAGED VOLATILITY FUND	EQUITY	CHIPOTLE MEXICAN GRILL INC	61,390.90	190	0.03		0
MML MANAGED VOLATILITY FUND	EQUITY	FIDELITY NATIONAL INFO SERV	250,187.40	2,598	0.14		0

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML MANAGED VOLATILITY FUND	EQUITY	CA INC	84,851.70	2,503	0.05		0
MML MANAGED VOLATILITY FUND	EQUITY	TRANSDIGM GROUP INC	116,023.32	378	0.06		0
MML MANAGED VOLATILITY FUND	EQUITY	HESS CORP	107,314.40	2,120	0.06		0
MML MANAGED VOLATILITY FUND	EQUITY	MASTERCARD INC A	1,247,664.68	7,123	0.69		0
MML MANAGED VOLATILITY FUND	EQUITY	WYNDHAM WORLDWIDE CORP	90,742.99	793	0.05		0
MML MANAGED VOLATILITY FUND	EQUITY	HANESBRANDS INC	54,781.08	2,974	0.03		0
MML MANAGED VOLATILITY FUND	EQUITY	WESTERN UNION CO	69,497.22	3,614	0.04		0
MML MANAGED VOLATILITY FUND	EQUITY	IPG PHOTONICS CORP	68,613.72	294	0.04		0
MML MANAGED VOLATILITY FUND	EQUITY	TRAVELERS COS INC/THE	288,134.50	2,075	0.16		0
MML MANAGED VOLATILITY FUND	EQUITY	UDR INC	60,660.86	1,703	0.03		0
MML MANAGED VOLATILITY FUND	EQUITY	PEOPLE S UNITED FINANCIAL	33,177.48	1,778	0.02		0
MML MANAGED VOLATILITY FUND	EQUITY	DELTA AIR LINES INC	266,650.65	4,865	0.15		0
MML MANAGED VOLATILITY FUND	EQUITY	MACY S INC	72,149.24	2,426	0.04		0
MML MANAGED VOLATILITY FUND	EQUITY	UNDER ARMOUR INC CLASS C	18,540.20	1,292	0.01		0
MML MANAGED VOLATILITY FUND	EQUITY	S+P GLOBAL INC	369,892.16	1,936	0.21		0
MML MANAGED VOLATILITY FUND	EQUITY	CHARTER COMMUNICATIONS INC A	459,049.50	1,475	0.25		0
MML MANAGED VOLATILITY FUND	EQUITY	FORTIVE CORP	186,978.24	2,412	0.10		0
MML MANAGED VOLATILITY FUND	EQUITY	IHS MARKIT LTD	127,787.76	2,649	0.07		0
MML MANAGED VOLATILITY FUND	EQUITY	XL GROUP LTD	94,384.08	1,708	0.05		0
MML MANAGED VOLATILITY FUND	EQUITY	JOHNSON CONTROLS INTERNATION	254,186.12	7,213	0.14		0
MML MANAGED VOLATILITY FUND	EQUITY	ARCONIC INC	72,115.20	3,130	0.04		0
MML MANAGED VOLATILITY FUND	EQUITY	ENVISION HEALTHCARE CORP	38,660.58	1,006	0.02		0
MML MANAGED VOLATILITY FUND	EQUITY	L3 TECHNOLOGIES INC	128,544.00	618	0.07		0
MML MANAGED VOLATILITY FUND	EQUITY	HILTON WORLDWIDE HOLDINGS IN	126,646.08	1,608	0.07		0
MML MANAGED VOLATILITY FUND	EQUITY	TECHNIPFMC PLC	102,250.40	3,472	0.06		0
MML MANAGED VOLATILITY FUND	EQUITY	SBA COMMUNICATIONS CORP	158,442.84	927	0.09		0
MML MANAGED VOLATILITY FUND	EQUITY	GGP INC	101,870.34	4,979	0.06		0
MML MANAGED VOLATILITY FUND	EQUITY	DXC TECHNOLOGY CO	226,293.03	2,251	0.13		0
MML MANAGED VOLATILITY FUND	EQUITY	XEROX CORP	48,868.44	1,698	0.03		0
MML MANAGED VOLATILITY FUND	OPTIONS	S+P 500 INDEX	240,000.00	8,000	0.13		6/15/2018
MML MANAGED VOLATILITY FUND	EQUITY	BAKER HUGHES A GE CO	94,612.39	3,407	0.05		0
MML MANAGED VOLATILITY FUND	EQUITY	BRIGHTHOUSE FINANCIAL INC	39,321.00	765	0.02		0
MML MANAGED VOLATILITY FUND	EQUITY	ANDEAVOR	115,644.00	1,150	0.06		0
MML MANAGED VOLATILITY FUND	EQUITY	DOWDUPONT INC	1,143,084.82	17,942	0.63		0
MML MANAGED VOLATILITY FUND	EQUITY	TAPESTRY INC	118,793.38	2,258	0.07		0
MML MANAGED VOLATILITY FUND	OPTIONS	S+P 500 INDEX	312,130.00	9,100	0.17		6/15/2018
MML MANAGED VOLATILITY FUND	OPTIONS	S+P 500 INDEX	312,130.00	9,100	0.17		6/15/2018
MML MANAGED VOLATILITY FUND	OPTIONS	S+P 500 INDEX	313,875.00	7,500	0.17		6/15/2018
MML MANAGED VOLATILITY FUND	EQUITY	IQVIA HOLDINGS INC	103,604.16	1,056	0.06		0
MML MANAGED VOLATILITY FUND	EQUITY	APTIV PLC	176,057.84	2,072	0.10		0
MML MANAGED VOLATILITY FUND	OPTIONS	S+P 500 INDEX	(153,000.00)	(7,500)	0.08		4/20/2018
MML MANAGED VOLATILITY FUND	OPTIONS	S+P 500 INDEX	(154,709.00)	(7,100)	0.09		5/18/2018
MML MANAGED VOLATILITY FUND	OPTIONS	S+P 500 INDEX	173,472.00	7,800	0.10		5/18/2018
MML MANAGED VOLATILITY FUND	OPTIONS	S+P 500 INDEX	(462,645.00)	(6,900)	0.26		5/18/2018
MML MANAGED VOLATILITY FUND	OPTIONS	S+P 500 INDEX	158,000.00	7,900	0.09		5/18/2018
MML MANAGED VOLATILITY FUND	OPTIONS	S+P 500 INDEX	113,988.00	9,200	0.06		5/18/2018
MML MANAGED VOLATILITY FUND	EQUITY	BOOKING HOLDINGS INC	773,905.08	372	0.43		0
MML MANAGED VOLATILITY FUND	OPTIONS	S+P 500 INDEX	(69,131.00)	(7,300)	0.04		5/18/2018
MML MANAGED VOLATILITY FUND	OPTIONS	S+P 500 INDEX	(85,400.00)	(7,000)	0.05		4/13/2018
MML MANAGED VOLATILITY FUND	OPTIONS	S+P 500 INDEX	(386,946.00)	(7,400)	0.21		5/18/2018
MML MANAGED VOLATILITY FUND	OPTIONS	S+P 500 INDEX	(587,060.00)	(14,900)	0.33		4/20/2018
MML MANAGED VOLATILITY FUND	OPTIONS	S+P 500 INDEX	(95,040.00)	(7,200)	0.05		4/6/2018

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML MANAGED VOLATILITY FUND	CASH EQUIVALENT	FIXED INC CLEARING CORP.REPO	3,684,263.09	3,684,263	2.04	0.74	4/2/2018
MML MANAGED VOLATILITY FUND	EQUITY	PACCAR INC	182,629.20	2,760	0.10	0	
MML MANAGED VOLATILITY FUND	EQUITY	MICROCHIP TECHNOLOGY INC	169,016.00	1,850	0.09	0	
MML MANAGED VOLATILITY FUND	EQUITY	NATIONAL OILWELL VARCO INC	101,742.84	2,764	0.06	0	
MML MANAGED VOLATILITY FUND	EQUITY	STARBUCKS CORP	628,569.62	10,858	0.35	0	
MML MANAGED VOLATILITY FUND	EQUITY	RAYMOND JAMES FINANCIAL INC	77,429.06	866	0.04	0	
MML MANAGED VOLATILITY FUND	EQUITY	LEGGETT + PLATT INC	42,896.12	967	0.02	0	
MML MANAGED VOLATILITY FUND	EQUITY	VERIZON COMMUNICATIONS INC	1,495,092.30	31,265	0.83	0	
MML MANAGED VOLATILITY FUND	EQUITY	KANSAS CITY SOUTHERN	89,967.15	819	0.05	0	
MML MANAGED VOLATILITY FUND	EQUITY	JUNIPER NETWORKS INC	63,185.01	2,597	0.04	0	
MML MANAGED VOLATILITY FUND	EQUITY	NEWFIELD EXPLORATION CO	30,915.72	1,266	0.02	0	
MML MANAGED VOLATILITY FUND	EQUITY	QUANTA SERVICES INC	46,166.40	1,344	0.03	0	
MML MANAGED VOLATILITY FUND	EQUITY	ILLUMINA INC	272,119.42	1,151	0.15	0	
MML MANAGED VOLATILITY FUND	EQUITY	FORD MOTOR CO	327,336.44	29,543	0.18	0	
MML MANAGED VOLATILITY FUND	EQUITY	XCEL ENERGY INC	186,104.16	4,092	0.10	0	
MML MANAGED VOLATILITY FUND	EQUITY	MOODY S CORP	211,948.20	1,314	0.12	0	
MML MANAGED VOLATILITY FUND	EQUITY	CONSTELLATION BRANDS INC A	295,840.16	1,298	0.16	0	
MML MANAGED VOLATILITY FUND	EQUITY	NASDAQ INC	79,408.62	921	0.04	0	
MML MANAGED VOLATILITY FUND	EQUITY	DAVITA INC	80,710.56	1,224	0.04	0	
MML MANAGED VOLATILITY FUND	EQUITY	MONSANTO CO	391,494.95	3,355	0.22	0	
MML MANAGED VOLATILITY FUND	EQUITY	EXELON CORP	282,978.54	7,254	0.16	0	
MML MANAGED VOLATILITY FUND	EQUITY	FLUOR CORP	58,478.84	1,022	0.03	0	
MML MANAGED VOLATILITY FUND	EQUITY	AETNA INC	421,486.00	2,494	0.23	0	
MML MANAGED VOLATILITY FUND	EQUITY	T ROWE PRICE GROUP INC	206,222.70	1,910	0.11	0	
MML MANAGED VOLATILITY FUND	EQUITY	JPMORGAN CHASE + CO	2,879,894.36	26,188	1.60	0	
MML MANAGED VOLATILITY FUND	EQUITY	CITIGROUP INC	1,319,085.00	19,542	0.73	0	
MML MANAGED VOLATILITY FUND	EQUITY	MOSAIC CO/THE	66,478.64	2,738	0.04	0	
MML MANAGED VOLATILITY FUND	EQUITY	PROLOGIS INC	258,825.91	4,109	0.14	0	
MML MANAGED VOLATILITY FUND	EQUITY	MARATHON PETROLEUM CORP	278,914.65	3,815	0.15	0	
MML MANAGED VOLATILITY FUND	EQUITY	PVH CORP	81,015.05	535	0.04	0	
MML MANAGED VOLATILITY FUND	EQUITY	RALPH LAUREN CORP	45,949.80	411	0.03	0	
MML MANAGED VOLATILITY FUND	EQUITY	FORTUNE BRANDS HOME + SECURI	69,136.86	1,174	0.04	0	
MML MANAGED VOLATILITY FUND	EQUITY	CBRE GROUP INC A	113,611.32	2,406	0.06	0	
MML MANAGED VOLATILITY FUND	EQUITY	XYLEM INC	111,380.16	1,448	0.06	0	
MML MANAGED VOLATILITY FUND	EQUITY	TRIPADVISOR INC	34,552.05	845	0.02	0	
MML MANAGED VOLATILITY FUND	EQUITY	MICHAEL KORS HOLDINGS LTD	74,496.00	1,200	0.04	0	
MML MANAGED VOLATILITY FUND	EQUITY	EXPEDIA GROUP INC	107,760.16	976	0.06	0	
MML MANAGED VOLATILITY FUND	EQUITY	AMERICAN TOWER CORP	473,372.38	3,257	0.26	0	
MML MANAGED VOLATILITY FUND	EQUITY	AON PLC	277,853.40	1,980	0.15	0	
MML MANAGED VOLATILITY FUND	EQUITY	EXPRESS SCRIPTS HOLDING CO	293,037.36	4,242	0.16	0	
MML MANAGED VOLATILITY FUND	EQUITY	PHILLIPS 66	312,027.76	3,253	0.17	0	
MML MANAGED VOLATILITY FUND	EQUITY	FACEBOOK INC A	2,921,120.99	18,281	1.62	0	
MML MANAGED VOLATILITY FUND	EQUITY	DUKE ENERGY CORP	419,654.99	5,417	0.23	0	
MML MANAGED VOLATILITY FUND	EQUITY	MONDELEZ INTERNATIONAL INC A	475,513.35	11,395	0.26	0	
MML MANAGED VOLATILITY FUND	EQUITY	EATON CORP PLC	273,691.75	3,425	0.15	0	
MML MANAGED VOLATILITY FUND	EQUITY	ABBVIE INC	1,156,812.30	12,222	0.64	0	
MML MANAGED VOLATILITY FUND	EQUITY	NORWEGIAN CRUISE LINE HOLDIN	74,210.97	1,401	0.04	0	
MML MANAGED VOLATILITY FUND	FIXED INCOME	SINO FOREST CORPORATION	-	359,000	0.00	5	8/1/2049
MML MANAGED VOLATILITY FUND	EQUITY	ZOETIS INC	319,592.77	3,827	0.18	0	
MML MANAGED VOLATILITY FUND	EQUITY	L BRANDS INC	74,165.61	1,941	0.04	0	
MML MANAGED VOLATILITY FUND	EQUITY	COTY INC CL A	68,057.70	3,719	0.04	0	
MML MANAGED VOLATILITY FUND	EQUITY	NEWS CORP CLASS A	52,298.00	3,310	0.03	0	

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML MANAGED VOLATILITY FUND	EQUITY	TWENTY FIRST CENTURY FOX A	285,961.86	7,794	0.16		0
MML MANAGED VOLATILITY FUND	EQUITY	NEWS CORP CLASS B	12,525.80	778	0.01		0
MML MANAGED VOLATILITY FUND	EQUITY	TWENTY FIRST CENTURY FOX B	128,968.02	3,546	0.07		0
MML MANAGED VOLATILITY FUND	EQUITY	INTERCONTINENTAL EXCHANGE IN	320,828.48	4,424	0.18		0
MML MANAGED VOLATILITY FUND	EQUITY	ALLEGION PLC	54,585.60	640	0.03		0
MML MANAGED VOLATILITY FUND	EQUITY	AMERICAN AIRLINES GROUP INC	166,116.12	3,197	0.09		0
MML MANAGED VOLATILITY FUND	EQUITY	PERRIGO CO PLC	89,757.18	1,077	0.05		0
MML MANAGED VOLATILITY FUND	EQUITY	NAVIENT CORP	27,079.68	2,064	0.02		0
MML MANAGED VOLATILITY FUND	EQUITY	PENTAIR PLC	89,045.91	1,307	0.05		0
MML MANAGED VOLATILITY FUND	EQUITY	SYNCHRONY FINANCIAL	193,099.27	5,759	0.11		0
MML MANAGED VOLATILITY FUND	EQUITY	CITIZENS FINANCIAL GROUP	163,638.04	3,898	0.09		0
MML MANAGED VOLATILITY FUND	EQUITY	ANTHEM INC	430,392.30	1,959	0.24		0
MML MANAGED VOLATILITY FUND	EQUITY	CROWN CASTLE INTL CORP	336,393.09	3,069	0.19		0
MML MANAGED VOLATILITY FUND	EQUITY	WALGREENS BOOTS ALLIANCE INC	432,887.64	6,612	0.24		0
MML MANAGED VOLATILITY FUND	EQUITY	QORVO INC	70,731.80	1,004	0.04		0
MML MANAGED VOLATILITY FUND	EQUITY	IRON MOUNTAIN INC	72,686.32	2,212	0.04		0
MML MANAGED VOLATILITY FUND	EQUITY	EQUINIX INC	254,229.12	608	0.14		0
MML MANAGED VOLATILITY FUND	EQUITY	MEDTRONIC PLC	831,560.52	10,366	0.46		0
MML MANAGED VOLATILITY FUND	EQUITY	EVERSOURCE ENERGY	148,124.88	2,514	0.08		0
MML MANAGED VOLATILITY FUND	EQUITY	MYLAN NV	174,066.76	4,228	0.10		0
MML MANAGED VOLATILITY FUND	EQUITY	ALLERGAN PLC	424,763.96	2,524	0.24		0
MML MANAGED VOLATILITY FUND	EQUITY	MONSTER BEVERAGE CORP	185,818.08	3,248	0.10		0
MML MANAGED VOLATILITY FUND	EQUITY	WESTROCK CO	128,404.17	2,001	0.07		0
MML MANAGED VOLATILITY FUND	EQUITY	WEC ENERGY GROUP INC	153,803.10	2,453	0.09		0
MML MANAGED VOLATILITY FUND	EQUITY	KRAFT HEINZ CO/THE	293,136.74	4,706	0.16		0
MML MANAGED VOLATILITY FUND	EQUITY	PAYPAL HOLDINGS INC	653,468.31	8,613	0.36		0
MML MANAGED VOLATILITY FUND	EQUITY	NIelsen HOLDINGS PLC	86,405.22	2,718	0.05		0
MML MANAGED VOLATILITY FUND	EQUITY	WELLTOWER INC	159,098.89	2,923	0.09		0
MML MANAGED VOLATILITY FUND	EQUITY	ALPHABET INC CL C	2,423,674.71	2,349	1.34		0
MML MANAGED VOLATILITY FUND	EQUITY	ALPHABET INC CL A	2,375,050.60	2,290	1.32		0
MML MANAGED VOLATILITY FUND	EQUITY	HEWLETT PACKARD ENTERPRISE	219,495.56	12,514	0.12		0
MML MANAGED VOLATILITY FUND	EQUITY	HP INC	277,770.24	12,672	0.15		0
MML MANAGED VOLATILITY FUND	EQUITY	CSRA INC	49,311.08	1,196	0.03		0
MML MANAGED VOLATILITY FUND	EQUITY	WILLIS TOWERS WATSON PLC	159,038.55	1,045	0.09		0
MML MANAGED VOLATILITY FUND	EQUITY	CHUBB LTD	486,080.58	3,554	0.27		0
MML MANAGED VOLATILITY FUND	EQUITY	BROADCOM LTD	731,693.25	3,105	0.41		0
MML MANAGED VOLATILITY FUND	EQUITY	DENTSPLY SIRONA INC	90,507.69	1,799	0.05		0
MML MANAGED VOLATILITY FUND	EQUITY	HOST HOTELS + RESORTS INC	111,951.84	6,006	0.06		0
MML MANAGED VOLATILITY FUND	EQUITY	SL GREEN REALTY CORP	75,817.89	783	0.04		0
MML MANAGED VOLATILITY FUND	EQUITY	DUKE REALTY CORP	73,243.68	2,766	0.04		0
MML MANAGED VOLATILITY FUND	EQUITY	PUBLIC STORAGE	237,061.37	1,183	0.13		0
MML MANAGED VOLATILITY FUND	EQUITY	SIMON PROPERTY GROUP INC	362,413.80	2,348	0.20		0
MML MANAGED VOLATILITY FUND	EQUITY	AIR PRODUCTS + CHEMICALS INC	266,375.25	1,675	0.15		0
MML MANAGED VOLATILITY FUND	EQUITY	AUTOMATIC DATA PROCESSING	383,562.40	3,380	0.21		0
MML MANAGED VOLATILITY FUND	EQUITY	CIGNA CORP	314,680.24	1,876	0.17		0
MML MANAGED VOLATILITY FUND	EQUITY	CATERPILLAR INC	669,252.58	4,541	0.37		0
MML MANAGED VOLATILITY FUND	EQUITY	COLGATE PALMOLIVE CO	479,969.28	6,696	0.27		0
MML MANAGED VOLATILITY FUND	EQUITY	ECOLAB INC	274,551.21	2,003	0.15		0
MML MANAGED VOLATILITY FUND	EQUITY	GENERAL MILLS INC	191,955.60	4,260	0.11		0
MML MANAGED VOLATILITY FUND	EQUITY	GOLDMAN SACHS GROUP INC	674,984.80	2,680	0.37		0
MML MANAGED VOLATILITY FUND	EQUITY	PAYCHEX INC	155,761.11	2,529	0.09		0
MML MANAGED VOLATILITY FUND	EQUITY	ROSS STORES INC	219,903.60	2,820	0.12		0

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML MANAGED VOLATILITY FUND	EQUITY	SCHLUMBERGER LTD	685,501.96	10,582	0.38		0
MML MANAGED VOLATILITY FUND	EQUITY	ADVANCED MICRO DEVICES	64,973.25	6,465	0.04		0
MML MANAGED VOLATILITY FUND	EQUITY	AUTOZONE INC	140,765.73	217	0.08		0
MML MANAGED VOLATILITY FUND	EQUITY	AVERY DENNISON CORP	73,312.50	690	0.04		0
MML MANAGED VOLATILITY FUND	EQUITY	BOEING CO/THE	1,407,260.96	4,292	0.78		0
MML MANAGED VOLATILITY FUND	EQUITY	CORNING INC	185,652.92	6,659	0.10		0
MML MANAGED VOLATILITY FUND	EQUITY	DOVER CORP	108,434.88	1,104	0.06		0
MML MANAGED VOLATILITY FUND	EQUITY	EQUIFAX INC	113,804.46	966	0.06		0
MML MANAGED VOLATILITY FUND	EQUITY	FEDEX CORP	452,847.46	1,886	0.25		0
MML MANAGED VOLATILITY FUND	EQUITY	FISERV INC	230,759.16	3,236	0.13		0
MML MANAGED VOLATILITY FUND	EQUITY	HALLIBURTON CO	306,705.96	6,534	0.17		0
MML MANAGED VOLATILITY FUND	EQUITY	HERSHEY CO/THE	112,814.40	1,140	0.06		0
MML MANAGED VOLATILITY FUND	EQUITY	KLA TENCOR CORP	137,352.60	1,260	0.08		0
MML MANAGED VOLATILITY FUND	EQUITY	KOHL'S CORP	87,586.87	1,337	0.05		0
MML MANAGED VOLATILITY FUND	EQUITY	PPG INDUSTRIES INC	211,593.60	1,896	0.12		0
MML MANAGED VOLATILITY FUND	EQUITY	QUALCOMM INC	624,747.75	11,275	0.35		0
MML MANAGED VOLATILITY FUND	EQUITY	ROCKWELL AUTOMATION INC	176,290.40	1,012	0.10		0
MML MANAGED VOLATILITY FUND	EQUITY	SOUTHWEST AIRLINES CO	248,824.32	4,344	0.14		0
MML MANAGED VOLATILITY FUND	EQUITY	SUNTRUST BANKS INC	252,496.44	3,711	0.14		0
MML MANAGED VOLATILITY FUND	EQUITY	TJX COMPANIES INC	404,619.16	4,961	0.22		0
MML MANAGED VOLATILITY FUND	EQUITY	AMERICAN WATER WORKS CO INC	116,378.21	1,417	0.06		0
MML MANAGED VOLATILITY FUND	EQUITY	DR PEPPER SNAPPLE GROUP INC	149,513.94	1,263	0.08		0
MML MANAGED VOLATILITY FUND	EQUITY	ACTIVISION BLIZZARD INC	386,208.50	5,725	0.21		0
MML MANAGED VOLATILITY FUND	EQUITY	DISCOVERY INC A	26,744.64	1,248	0.01		0
MML MANAGED VOLATILITY FUND	EQUITY	DISCOVERY INC C	44,427.52	2,276	0.02		0
MML MANAGED VOLATILITY FUND	EQUITY	EQT CORP	90,126.47	1,897	0.05		0
MML MANAGED VOLATILITY FUND	EQUITY	TIME WARNER INC	563,034.74	5,953	0.31		0
MML MANAGED VOLATILITY FUND	EQUITY	AMERICAN INTERNATIONAL GROUP	384,314.04	7,062	0.21		0
MML MANAGED VOLATILITY FUND	EQUITY	INGERSOLL RAND PLC	167,599.60	1,960	0.09		0
MML MANAGED VOLATILITY FUND	EQUITY	ACCENTURE PLC CL A	728,971.50	4,749	0.40		0
MML MANAGED VOLATILITY FUND	EQUITY	VERISK ANALYTICS INC	119,704.00	1,151	0.07		0
MML MANAGED VOLATILITY FUND	EQUITY	MERCK + CO. INC.	1,141,146.50	20,950	0.63		0
MML MANAGED VOLATILITY FUND	EQUITY	DOLLAR GENERAL CORP	177,932.10	1,902	0.10		0
MML MANAGED VOLATILITY FUND	EQUITY	BERKSHIRE HATHAWAY INC CL B	2,953,301.40	14,805	1.64		0
MML MANAGED VOLATILITY FUND	EQUITY	STANLEY BLACK + DECKER INC	172,809.60	1,128	0.10		0
MML MANAGED VOLATILITY FUND	EQUITY	LYONDELLBASELL INDU CL A	257,013.76	2,432	0.14		0
MML MANAGED VOLATILITY FUND	EQUITY	E TRADE FINANCIAL CORP	119,297.73	2,153	0.07		0
MML MANAGED VOLATILITY FUND	EQUITY	NEXTERA ENERGY INC	609,057.57	3,729	0.34		0
MML MANAGED VOLATILITY FUND	EQUITY	CBOE GLOBAL MARKETS INC	101,320.80	888	0.06		0
MML MANAGED VOLATILITY FUND	EQUITY	GARMIN LTD	51,386.96	872	0.03		0
MML MANAGED VOLATILITY FUND	EQUITY	SEAGATE TECHNOLOGY	132,957.44	2,272	0.07		0
MML MANAGED VOLATILITY FUND	EQUITY	UNITED CONTINENTAL HOLDINGS	139,426.29	2,007	0.08		0
MML MANAGED VOLATILITY FUND	EQUITY	GENERAL MOTORS CO	352,352.64	9,696	0.20		0
MML MANAGED VOLATILITY FUND	EQUITY	MOTOROLA SOLUTIONS INC	134,468.10	1,277	0.07		0
MML MANAGED VOLATILITY FUND	EQUITY	O REILLY AUTOMOTIVE INC	165,744.60	670	0.09		0
MML MANAGED VOLATILITY FUND	EQUITY	KINDER MORGAN INC	218,219.40	14,490	0.12		0
MML MANAGED VOLATILITY FUND	EQUITY	HCA HEALTHCARE INC	213,400.00	2,200	0.12		0
MML MANAGED VOLATILITY FUND	EQUITY	TE CONNECTIVITY LTD	271,927.80	2,722	0.15		0
MML MANAGED VOLATILITY FUND	EQUITY	HUNTINGTON INGALLS INDUSTRIE	81,709.92	317	0.05		0
MML MANAGED VOLATILITY FUND	EQUITY	PRAXAIR INC	321,211.80	2,226	0.18		0
MML MANAGED VOLATILITY FUND	EQUITY	WALMART INC	999,311.04	11,232	0.55		0
MML MANAGED VOLATILITY FUND	EQUITY	WATERS CORP	116,607.55	587	0.06		0

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML MANAGED VOLATILITY FUND	EQUITY	WELLS FARGO + CO	1,785,241.83	34,063	0.99	0	
MML MANAGED VOLATILITY FUND	EQUITY	BAXTER INTERNATIONAL INC	252,420.24	3,881	0.14	0	
MML MANAGED VOLATILITY FUND	EQUITY	H+R BLOCK INC	41,875.68	1,648	0.02	0	
MML MANAGED VOLATILITY FUND	EQUITY	GENUINE PARTS CO	101,968.40	1,135	0.06	0	
MML MANAGED VOLATILITY FUND	EQUITY	INTL FLAVORS + FRAGRANCES	85,705.66	626	0.05	0	
MML MANAGED VOLATILITY FUND	EQUITY	KIMBERLY CLARK CORP	291,293.85	2,645	0.16	0	
MML MANAGED VOLATILITY FUND	EQUITY	MASCO CORP	90,019.44	2,226	0.05	0	
MML MANAGED VOLATILITY FUND	EQUITY	PNC FINANCIAL SERVICES GROUP	552,026.00	3,650	0.31	0	
MML MANAGED VOLATILITY FUND	EQUITY	TORCHMARK CORP	68,346.04	812	0.04	0	
MML MANAGED VOLATILITY FUND	EQUITY	BANK OF AMERICA CORP	2,198,057.07	73,293	1.22	0	
MML MANAGED VOLATILITY FUND	EQUITY	EMERSON ELECTRIC CO	331,118.40	4,848	0.18	0	
MML MANAGED VOLATILITY FUND	EQUITY	WW GRAINGER INC	114,601.62	406	0.06	0	
MML MANAGED VOLATILITY FUND	EQUITY	HARRIS CORP	153,538.56	952	0.09	0	
MML MANAGED VOLATILITY FUND	EQUITY	INTL BUSINESS MACHINES CORP	1,013,558.58	6,606	0.56	0	
MML MANAGED VOLATILITY FUND	CASH	US DOLLAR	41,018.87	41,019	0.02	0	
MML MANAGED VOLATILITY FUND	EQUITY	EDWARDS LIFESCIENCES CORP	221,139.20	1,585	0.12	0	
MML MANAGED VOLATILITY FUND	EQUITY	ABBOTT LABORATORIES	798,134.40	13,320	0.44	0	
MML MANAGED VOLATILITY FUND	EQUITY	BRISTOL MYERS SQUIBB CO	789,486.50	12,482	0.44	0	
MML MANAGED VOLATILITY FUND	EQUITY	ILLINOIS TOOL WORKS	381,937.08	2,438	0.21	0	
MML MANAGED VOLATILITY FUND	EQUITY	LOWE S COS INC	554,404.50	6,318	0.31	0	
MML MANAGED VOLATILITY FUND	EQUITY	MARSH + MCLENNAN COS	320,366.61	3,879	0.18	0	
MML MANAGED VOLATILITY FUND	EQUITY	MATTEL INC	35,544.45	2,703	0.02	0	
MML MANAGED VOLATILITY FUND	EQUITY	NUCOR CORP	154,313.34	2,526	0.09	0	
MML MANAGED VOLATILITY FUND	EQUITY	SYSCO CORP	222,691.44	3,714	0.12	0	
MML MANAGED VOLATILITY FUND	EQUITY	TEXAS INSTRUMENTS INC	784,785.06	7,554	0.44	0	
MML MANAGED VOLATILITY FUND	EQUITY	TEXTRON INC	122,126.87	2,071	0.07	0	
MML MANAGED VOLATILITY FUND	EQUITY	CADENCE DESIGN SYS INC	80,857.23	2,199	0.04	0	
MML MANAGED VOLATILITY FUND	EQUITY	COSTCO WHOLESALE CORP	628,225.62	3,334	0.35	0	
MML MANAGED VOLATILITY FUND	EQUITY	INTEL CORP	1,870,140.72	35,909	1.04	0	
MML MANAGED VOLATILITY FUND	EQUITY	JOHNSON + JOHNSON	2,645,144.15	20,641	1.47	0	
MML MANAGED VOLATILITY FUND	EQUITY	ELI LILLY + CO	572,924.85	7,405	0.32	0	
MML MANAGED VOLATILITY FUND	EQUITY	MCDONALD S CORP	956,732.84	6,118	0.53	0	
MML MANAGED VOLATILITY FUND	EQUITY	STATE STREET CORP	279,244.00	2,800	0.15	0	
MML MANAGED VOLATILITY FUND	EQUITY	SYNOPSIS INC	85,237.76	1,024	0.05	0	
MML MANAGED VOLATILITY FUND	EQUITY	TARGET CORP	290,981.13	4,191	0.16	0	
MML MANAGED VOLATILITY FUND	EQUITY	UNITED TECHNOLOGIES CORP	716,544.90	5,695	0.40	0	
MML MANAGED VOLATILITY FUND	EQUITY	WASTE MANAGEMENT INC	265,903.32	3,161	0.15	0	
MML MANAGED VOLATILITY FUND	EQUITY	WHIRLPOOL CORP	77,473.66	506	0.04	0	
MML MANAGED VOLATILITY FUND	EQUITY	AMERICAN EXPRESS CO	511,734.08	5,486	0.28	0	
MML MANAGED VOLATILITY FUND	EQUITY	COCA COLA CO/THE	1,284,702.83	29,581	0.71	0	
MML MANAGED VOLATILITY FUND	EQUITY	MARRIOTT INTERNATIONAL CL A	312,074.10	2,295	0.17	0	
MML MANAGED VOLATILITY FUND	EQUITY	NIKE INC CL B	662,672.56	9,974	0.37	0	
MML MANAGED VOLATILITY FUND	EQUITY	ANALOG DEVICES INC	251,336.54	2,758	0.14	0	
MML MANAGED VOLATILITY FUND	EQUITY	CARDINAL HEALTH INC	145,292.24	2,318	0.08	0	
MML MANAGED VOLATILITY FUND	EQUITY	HARLEY DAVIDSON INC	57,201.92	1,334	0.03	0	
MML MANAGED VOLATILITY FUND	EQUITY	INTERPUBLIC GROUP OF COS INC	72,751.77	3,159	0.04	0	
MML MANAGED VOLATILITY FUND	EQUITY	KROGER CO	168,082.74	7,021	0.09	0	
MML MANAGED VOLATILITY FUND	EQUITY	PEPSICO INC	1,196,502.30	10,962	0.66	0	
MML MANAGED VOLATILITY FUND	EQUITY	UNITED PARCEL SERVICE CL B	551,662.86	5,271	0.31	0	
MML MANAGED VOLATILITY FUND	EQUITY	SHERWIN WILLIAMS CO/THE	241,938.04	617	0.13	0	
MML MANAGED VOLATILITY FUND	EQUITY	NEWELL BRANDS INC	97,486.48	3,826	0.05	0	
MML MANAGED VOLATILITY FUND	EQUITY	SNAP ON INC	65,212.68	442	0.04	0	

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML MANAGED VOLATILITY FUND	EQUITY	ANADARKO PETROLEUM CORP	247,560.18	4,098	0.14		0
MML MANAGED VOLATILITY FUND	EQUITY	DEERE + CO	378,359.52	2,436	0.21		0
MML MANAGED VOLATILITY FUND	EQUITY	KIMCO REALTY CORP	47,044.80	3,267	0.03		0
MML MANAGED VOLATILITY FUND	EQUITY	TIFFANY + CO	79,495.24	814	0.04		0
MML MANAGED VOLATILITY FUND	EQUITY	VORNADO REALTY TRUST	91,864.50	1,365	0.05		0
MML MANAGED VOLATILITY FUND	EQUITY	ZIONS BANCORPORATION	82,627.91	1,567	0.05		0
MML MANAGED VOLATILITY FUND	EQUITY	AVALONBAY COMMUNITIES INC	165,775.68	1,008	0.09		0
MML MANAGED VOLATILITY FUND	EQUITY	BOSTON PROPERTIES INC	136,158.10	1,105	0.08		0
MML MANAGED VOLATILITY FUND	EQUITY	EQUITY RESIDENTIAL	165,511.32	2,686	0.09		0
MML MANAGED VOLATILITY FUND	EQUITY	ELECTRONIC ARTS INC	293,400.80	2,420	0.16		0
MML MANAGED VOLATILITY FUND	EQUITY	AFLAC INC	262,384.96	5,996	0.15		0
MML MANAGED VOLATILITY FUND	EQUITY	METLIFE INC	369,230.94	8,046	0.20		0
MML MANAGED VOLATILITY FUND	EQUITY	MGM RESORTS INTERNATIONAL	142,321.28	4,064	0.08		0
MML MANAGED VOLATILITY FUND	EQUITY	SCHWAB (CHARLES) CORP	474,940.90	9,095	0.26		0
MML MANAGED VOLATILITY FUND	EQUITY	ADOBE SYSTEMS INC	811,596.48	3,756	0.45		0
MML MANAGED VOLATILITY FUND	EQUITY	HORMEL FOODS CORP	74,989.20	2,185	0.04		0
MML MANAGED VOLATILITY FUND	EQUITY	MCCORMICK + CO NON VTG SHRS	83,303.37	783	0.05		0
MML MANAGED VOLATILITY FUND	EQUITY	UNITEDHEALTH GROUP INC	1,596,012.00	7,458	0.88		0
MML MANAGED VOLATILITY FUND	EQUITY	AUTODESK INC	204,695.40	1,630	0.11		0
MML MANAGED VOLATILITY FUND	EQUITY	JACOBS ENGINEERING GROUP INC	60,037.25	1,015	0.03		0
MML MANAGED VOLATILITY FUND	EQUITY	LABORATORY CRP OF AMER HLDGS	129,723.50	802	0.07		0
MML MANAGED VOLATILITY FUND	EQUITY	CAMPBELL SOUP CO	58,078.71	1,341	0.03		0
MML MANAGED VOLATILITY FUND	EQUITY	PARKER HANNIFIN CORP	168,122.49	983	0.09		0
MML MANAGED VOLATILITY FUND	EQUITY	VF CORP	191,377.84	2,582	0.11		0
MML MANAGED VOLATILITY FUND	EQUITY	TYSON FOODS INC CL A	174,484.96	2,384	0.10		0
MML MANAGED VOLATILITY FUND	EQUITY	DANAHER CORP	457,631.34	4,674	0.25		0
MML MANAGED VOLATILITY FUND	EQUITY	SEALED AIR CORP	63,371.99	1,481	0.04		0
MML MANAGED VOLATILITY FUND	EQUITY	REPUBLIC SERVICES INC	110,074.26	1,662	0.06		0
MML MANAGED VOLATILITY FUND	EQUITY	AKAMAI TECHNOLOGIES INC	96,319.86	1,357	0.05		0
MML MANAGED VOLATILITY FUND	EQUITY	BLACKROCK INC	512,467.12	946	0.28		0
MML MANAGED VOLATILITY FUND	EQUITY	MARTIN MARIETTA MATERIALS	90,382.80	436	0.05		0
MML MANAGED VOLATILITY FUND	EQUITY	AGILENT TECHNOLOGIES INC	169,524.60	2,534	0.09		0
MML MANAGED VOLATILITY FUND	EQUITY	WESTERN DIGITAL CORP	215,450.45	2,335	0.12		0
MML MANAGED VOLATILITY FUND	EQUITY	ALEXANDRIA REAL ESTATE EQUIT	100,036.89	801	0.06		0
MML MANAGED VOLATILITY FUND	EQUITY	AMPHENOL CORP CL A	190,002.78	2,206	0.11		0
MML MANAGED VOLATILITY FUND	EQUITY	APARTMENT INVT + MGMT CO A	50,856.00	1,248	0.03		0
MML MANAGED VOLATILITY FUND	EQUITY	BALL CORP	109,837.86	2,766	0.06		0
MML MANAGED VOLATILITY FUND	EQUITY	ESSEX PROPERTY TRUST INC	114,323.00	475	0.06		0
MML MANAGED VOLATILITY FUND	EQUITY	FEDERAL REALTY INVS TRUST	66,879.36	576	0.04		0
MML MANAGED VOLATILITY FUND	EQUITY	GILEAD SCIENCES INC	753,523.05	9,995	0.42		0
MML MANAGED VOLATILITY FUND	EQUITY	MACERICH CO/THE	38,093.60	680	0.02		0
MML MANAGED VOLATILITY FUND	EQUITY	METTLER TOLEDO INTERNATIONAL	108,680.67	189	0.06		0
MML MANAGED VOLATILITY FUND	EQUITY	NVIDIA CORP	1,074,809.19	4,641	0.60		0
MML MANAGED VOLATILITY FUND	EQUITY	SYMANTEC CORP	126,148.00	4,880	0.07		0
MML MANAGED VOLATILITY FUND	EQUITY	UNIVERSAL HEALTH SERVICES B	80,518.80	680	0.04		0
MML MANAGED VOLATILITY FUND	EQUITY	BECTON DICKINSON AND CO	436,650.50	2,015	0.24		0
MML MANAGED VOLATILITY FUND	EQUITY	CENTURYLINK INC	128,071.85	7,795	0.07		0
MML MANAGED VOLATILITY FUND	EQUITY	CLOROX COMPANY	124,191.63	933	0.07		0
MML MANAGED VOLATILITY FUND	EQUITY	CONAGRA BRANDS INC	107,542.08	2,916	0.06		0
MML MANAGED VOLATILITY FUND	EQUITY	FRANKLIN RESOURCES INC	90,896.28	2,621	0.05		0
MML MANAGED VOLATILITY FUND	EQUITY	GENERAL DYNAMICS CORP	468,970.70	2,123	0.26		0
MML MANAGED VOLATILITY FUND	EQUITY	HASBRO INC	74,858.40	888	0.04		0

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML MANAGED VOLATILITY FUND	EQUITY	HONEYWELL INTERNATIONAL INC	844,371.93	5,843	0.47		0
MML MANAGED VOLATILITY FUND	EQUITY	PROCTER + GAMBLE CO/THE	1,558,803.36	19,662	0.86		0
MML MANAGED VOLATILITY FUND	EQUITY	AES CORP	58,976.19	5,187	0.03		0
MML MANAGED VOLATILITY FUND	EQUITY	AMGEN INC	865,526.96	5,077	0.48		0
MML MANAGED VOLATILITY FUND	EQUITY	APPLE INC	6,542,245.54	38,993	3.63		0
MML MANAGED VOLATILITY FUND	EQUITY	BEST BUY CO INC	137,950.29	1,971	0.08		0
MML MANAGED VOLATILITY FUND	EQUITY	BOSTON SCIENTIFIC CORP	282,352.20	10,335	0.16		0
MML MANAGED VOLATILITY FUND	EQUITY	CVS HEALTH CORP	481,007.72	7,732	0.27		0
MML MANAGED VOLATILITY FUND	EQUITY	CAPITAL ONE FINANCIAL CORP	349,743.00	3,650	0.19		0
MML MANAGED VOLATILITY FUND	EQUITY	CISCO SYSTEMS INC	1,588,259.59	37,031	0.88		0
MML MANAGED VOLATILITY FUND	EQUITY	WALT DISNEY CO/THE	1,161,387.72	11,563	0.64		0
MML MANAGED VOLATILITY FUND	EQUITY	EXXON MOBIL CORP	2,430,122.31	32,571	1.35		0
MML MANAGED VOLATILITY FUND	EQUITY	GAP INC/THE	51,823.20	1,661	0.03		0
MML MANAGED VOLATILITY FUND	EQUITY	GENERAL ELECTRIC CO	893,373.52	66,274	0.50		0
MML MANAGED VOLATILITY FUND	EQUITY	HOME DEPOT INC	1,593,822.08	8,942	0.88		0
MML MANAGED VOLATILITY FUND	EQUITY	MICROSOFT CORP	5,407,199.88	59,244	3.00		0
MML MANAGED VOLATILITY FUND	EQUITY	MICRON TECHNOLOGY INC	468,738.60	8,990	0.26		0
MML MANAGED VOLATILITY FUND	EQUITY	MORGAN STANLEY	574,026.48	10,638	0.32		0
MML MANAGED VOLATILITY FUND	EQUITY	OMNICOM GROUP	120,559.53	1,659	0.07		0
MML MANAGED VOLATILITY FUND	EQUITY	ORACLE CORP	1,069,726.50	23,382	0.59		0
MML MANAGED VOLATILITY FUND	EQUITY	PFIZER INC	1,624,057.89	45,761	0.90		0
MML MANAGED VOLATILITY FUND	EQUITY	DR HORTON INC	112,581.12	2,568	0.06		0
MML MANAGED VOLATILITY FUND	EQUITY	DTE ENERGY COMPANY	145,324.80	1,392	0.08		0
MML MANAGED VOLATILITY FUND	EQUITY	DEVON ENERGY CORP	131,674.18	4,142	0.07		0
MML MANAGED VOLATILITY FUND	EQUITY	DOMINION ENERGY INC	331,620.74	4,918	0.18		0
MML MANAGED VOLATILITY FUND	EQUITY	EASTMAN CHEMICAL CO	118,988.66	1,127	0.07		0
MML MANAGED VOLATILITY FUND	EQUITY	ENTERGY CORP	111,158.58	1,411	0.06		0
MML MANAGED VOLATILITY FUND	EQUITY	FMC CORP	81,393.91	1,063	0.05		0
MML MANAGED VOLATILITY FUND	EQUITY	FIRSTENERGY CORP	109,104.08	3,208	0.06		0
MML MANAGED VOLATILITY FUND	EQUITY	GOODYEAR TIRE + RUBBER CO	51,113.34	1,923	0.03		0
MML MANAGED VOLATILITY FUND	EQUITY	HELMERICH + PAYNE	60,769.28	913	0.03		0
MML MANAGED VOLATILITY FUND	EQUITY	HUMANA INC	291,411.72	1,084	0.16		0
MML MANAGED VOLATILITY FUND	EQUITY	INTERNATIONAL PAPER CO	163,388.94	3,058	0.09		0
MML MANAGED VOLATILITY FUND	EQUITY	KEYCORP	166,038.15	8,493	0.09		0
MML MANAGED VOLATILITY FUND	EQUITY	LAM RESEARCH CORP	245,010.96	1,206	0.14		0
MML MANAGED VOLATILITY FUND	EQUITY	LENNAR CORP A	112,221.76	1,904	0.06		0
MML MANAGED VOLATILITY FUND	EQUITY	LOCKHEED MARTIN CORP	649,163.53	1,921	0.36		0
MML MANAGED VOLATILITY FUND	EQUITY	NORFOLK SOUTHERN CORP	295,321.50	2,175	0.16		0
MML MANAGED VOLATILITY FUND	EQUITY	NORTHROP GRUMMAN CORP	463,282.24	1,327	0.26		0
MML MANAGED VOLATILITY FUND	EQUITY	OCCIDENTAL PETROLEUM CORP	378,521.92	5,827	0.21		0
MML MANAGED VOLATILITY FUND	EQUITY	P G + E CORP	171,502.72	3,904	0.10		0
MML MANAGED VOLATILITY FUND	EQUITY	PPL CORP	153,218.64	5,416	0.08		0
MML MANAGED VOLATILITY FUND	EQUITY	PIONEER NATURAL RESOURCES CO	230,356.98	1,341	0.13		0
MML MANAGED VOLATILITY FUND	EQUITY	PUBLIC SERVICE ENTERPRISE GP	189,002.88	3,762	0.10		0
MML MANAGED VOLATILITY FUND	EQUITY	PULTEGROUP INC	63,167.58	2,142	0.04		0
MML MANAGED VOLATILITY FUND	EQUITY	SCANA CORP	41,718.05	1,111	0.02		0
MML MANAGED VOLATILITY FUND	EQUITY	THERMO FISHER SCIENTIFIC INC	631,767.60	3,060	0.35		0
MML MANAGED VOLATILITY FUND	EQUITY	MARATHON OIL CORP	99,586.62	6,174	0.06		0
MML MANAGED VOLATILITY FUND	EQUITY	UNION PACIFIC CORP	812,494.92	6,044	0.45		0
MML MANAGED VOLATILITY FUND	EQUITY	UNITED RENTALS INC	116,938.21	677	0.06		0
MML MANAGED VOLATILITY FUND	EQUITY	VALERO ENERGY CORP	307,347.01	3,313	0.17		0
MML MANAGED VOLATILITY FUND	EQUITY	HOLOGIC INC	83,649.04	2,239	0.05		0

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML MANAGED VOLATILITY FUND	EQUITY	HUNT (JB) TRANSPRT SVCS INC	76,498.95	653	0.04		0
MML MANAGED VOLATILITY FUND	EQUITY	QUEST DIAGNOSTICS INC	108,324.00	1,080	0.06		0
MML MANAGED VOLATILITY FUND	EQUITY	RANGE RESOURCES CORP	25,764.88	1,772	0.01		0
MML MANAGED VOLATILITY FUND	EQUITY	REGENERON PHARMACEUTICALS	209,026.52	607	0.12		0
MML MANAGED VOLATILITY FUND	EQUITY	HENRY SCHEIN INC	84,819.02	1,262	0.05		0
MML MANAGED VOLATILITY FUND	EQUITY	TRACTOR SUPPLY COMPANY	65,099.66	1,033	0.04		0
MML MANAGED VOLATILITY FUND	EQUITY	AFFILIATED MANAGERS GROUP	83,983.94	443	0.05		0
MML MANAGED VOLATILITY FUND	EQUITY	ALEXION PHARMACEUTICALS INC	196,281.06	1,761	0.11		0
MML MANAGED VOLATILITY FUND	EQUITY	AMETEK INC	138,797.19	1,827	0.08		0
MML MANAGED VOLATILITY FUND	EQUITY	ANSYS INC	104,825.61	669	0.06		0
MML MANAGED VOLATILITY FUND	EQUITY	APPLIED MATERIALS INC	448,772.70	8,070	0.25		0
MML MANAGED VOLATILITY FUND	EQUITY	CABOT OIL + GAS CORP	87,359.14	3,643	0.05		0
MML MANAGED VOLATILITY FUND	EQUITY	CELGENE CORP	534,903.16	5,996	0.30		0
MML MANAGED VOLATILITY FUND	EQUITY	CERNER CORP	144,362.00	2,489	0.08		0
MML MANAGED VOLATILITY FUND	EQUITY	CHURCH + DWIGHT CO INC	96,187.60	1,910	0.05		0
MML MANAGED VOLATILITY FUND	EQUITY	COGNIZANT TECH SOLUTIONS A	360,479.00	4,478	0.20		0
MML MANAGED VOLATILITY FUND	EQUITY	COOPER COS INC/THE	78,710.64	344	0.04		0
MML MANAGED VOLATILITY FUND	EQUITY	FLIR SYSTEMS INC	55,411.08	1,108	0.03		0
MML MANAGED VOLATILITY FUND	EQUITY	FLOWSERVE CORP	34,404.02	794	0.02		0
MML MANAGED VOLATILITY FUND	EQUITY	ARTHUR J GALLAGHER + CO	84,194.25	1,225	0.05		0
MML MANAGED VOLATILITY FUND	EQUITY	IDEXX LABORATORIES INC	131,484.93	687	0.07		0
MML MANAGED VOLATILITY FUND	EQUITY	INCYTE CORP	116,412.01	1,397	0.06		0
MML MANAGED VOLATILITY FUND	EQUITY	RESMED INC	109,498.64	1,112	0.06		0
MML MANAGED VOLATILITY FUND	EQUITY	STERICYCLE INC	41,673.36	712	0.02		0
MML MANAGED VOLATILITY FUND	EQUITY	TAKE TWO INTERACTIVE SOFTWRE	80,864.06	827	0.04		0
MML MANAGED VOLATILITY FUND	EQUITY	VARIAN MEDICAL SYSTEMS INC	91,128.95	743	0.05		0
MML MANAGED VOLATILITY FUND	EQUITY	VERTEX PHARMACEUTICALS INC	324,982.12	1,994	0.18		0
MML MANAGED VOLATILITY FUND	EQUITY	VULCAN MATERIALS CO	117,366.76	1,028	0.07		0
MML MANAGED VOLATILITY FUND	EQUITY	WEYERHAEUSER CO	208,705.00	5,963	0.12		0
MML MANAGED VOLATILITY FUND	EQUITY	WILLIAMS COS INC	162,286.08	6,528	0.09		0
MML MANAGED VOLATILITY FUND	EQUITY	XILINX INC	143,324.16	1,984	0.08		0
MML MANAGED VOLATILITY FUND	EQUITY	VERISIGN INC	79,909.44	674	0.04		0
MML MANAGED VOLATILITY FUND	EQUITY	HARTFORD FINANCIAL SVCS GRP	134,209.60	2,605	0.07		0
MML MANAGED VOLATILITY FUND	EQUITY	TOTAL SYSTEM SERVICES INC	103,684.52	1,202	0.06		0
MML MANAGED VOLATILITY FUND	EQUITY	VENTAS INC	141,011.91	2,847	0.08		0
MML MANAGED VOLATILITY FUND	EQUITY	RED HAT INC	200,941.44	1,344	0.11		0
MML MANAGED VOLATILITY FUND	EQUITY	GARTNER INC	85,274.50	725	0.05		0
MML MANAGED VOLATILITY FUND	EQUITY	F5 NETWORKS INC	71,581.95	495	0.04		0
MML MANAGED VOLATILITY FUND	EQUITY	INTUIT INC	334,218.80	1,928	0.19		0
MML MANAGED VOLATILITY FUND	EQUITY	LEUCADIA NATIONAL CORP	57,938.77	2,549	0.03		0
MML MANAGED VOLATILITY FUND	EQUITY	HUNTINGTON BANCSHARES INC	115,801.90	7,669	0.06		0
MML MANAGED VOLATILITY FUND	EQUITY	STRYKER CORP	394,254.00	2,450	0.22		0
MML MANAGED VOLATILITY FUND	EQUITY	ESTEE LAUDER COMPANIES CL A	265,453.56	1,773	0.15		0
MML MANAGED VOLATILITY FUND	EQUITY	CITRIX SYSTEMS INC	98,646.40	1,063	0.05		0
MML MANAGED VOLATILITY FUND	EQUITY	NORTHERN TRUST CORP	174,392.83	1,691	0.10		0
MML MANAGED VOLATILITY FUND	EQUITY	NORDSTROM INC	48,167.95	995	0.03		0
MML MANAGED VOLATILITY FUND	EQUITY	KELLOGG CO	129,304.89	1,989	0.07		0
MML MANAGED VOLATILITY FUND	EQUITY	M + T BANK CORP	212,382.72	1,152	0.12		0
MML MANAGED VOLATILITY FUND	EQUITY	PACKAGING CORP OF AMERICA	84,299.60	748	0.05		0
MML MANAGED VOLATILITY FUND	EQUITY	EXPEDITORS INTL WASH INC	90,898.80	1,436	0.05		0
MML MANAGED VOLATILITY FUND	EQUITY	NEWMONT MINING CORP	165,617.73	4,239	0.09		0
MML MANAGED VOLATILITY FUND	EQUITY	ROYAL CARIBBEAN CRUISES LTD	158,478.04	1,346	0.09		0

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML MANAGED VOLATILITY FUND	EQUITY	FIFTH THIRD BANCORP	172,529.50	5,434	0.10		0
MML MANAGED VOLATILITY FUND	EQUITY	FREEPORT MCMORAN INC	186,540.69	10,617	0.10		0
MML MANAGED VOLATILITY FUND	EQUITY	BB+T CORP	320,826.60	6,165	0.18		0
MML MANAGED VOLATILITY FUND	EQUITY	COMERICA INC	132,767.12	1,384	0.07		0
MML MANAGED VOLATILITY FUND	EQUITY	SEMPRA ENERGY	220,438.04	1,982	0.12		0
MML MANAGED VOLATILITY FUND	EQUITY	PROGRESSIVE CORP	280,704.51	4,607	0.16		0
MML MANAGED VOLATILITY FUND	EQUITY	AMAZON.COM INC	4,480,964.64	3,096	2.48		0
MML MANAGED VOLATILITY FUND	EQUITY	MCKESSON CORP	230,885.93	1,639	0.13		0
MML MANAGED VOLATILITY FUND	EQUITY	MOHAWK INDUSTRIES INC	116,342.22	501	0.06		0
MML MANAGED VOLATILITY FUND	EQUITY	CINTAS CORP	106,271.34	623	0.06		0
MML MANAGED VOLATILITY FUND	EQUITY	ROBERT HALF INTL INC	58,005.78	1,002	0.03		0
MML MANAGED VOLATILITY FUND	EQUITY	FASTENAL CO	125,884.54	2,306	0.07		0
MML MANAGED VOLATILITY FUND	CASH	CANADIAN DOLLAR	18,467.88	23,793	0.01		0
MML MANAGED VOLATILITY FUND	EQUITY	EBAY INC	296,448.08	7,367	0.16		0
MML MANAGED VOLATILITY FUND	EQUITY	BROWN FORMAN CORP CLASS B	108,092.80	1,987	0.06		0
MML MANAGED VOLATILITY FUND	EQUITY	ALLIANT ENERGY CORP	70,810.38	1,733	0.04		0
MML MANAGED VOLATILITY FUND	EQUITY	BORGWARNER INC	78,308.57	1,559	0.04		0
MML MANAGED VOLATILITY FUND	EQUITY	EOG RESOURCES INC	475,083.51	4,513	0.26		0
MML MANAGED VOLATILITY FUND	EQUITY	EDISON INTERNATIONAL	139,160.76	2,186	0.08		0
MML MANAGED VOLATILITY FUND	EQUITY	LINCOLN NATIONAL CORP	127,051.34	1,739	0.07		0
MML MANAGED VOLATILITY FUND	EQUITY	LOEWS CORP	93,790.78	1,886	0.05		0
MML MANAGED VOLATILITY FUND	EQUITY	NISOURCE INC	65,441.67	2,737	0.04		0
MML MANAGED VOLATILITY FUND	EQUITY	ONEOK INC	172,012.24	3,022	0.10		0
MML MANAGED VOLATILITY FUND	EQUITY	PINNACLE WEST CAPITAL	52,109.40	653	0.03		0
MML MANAGED VOLATILITY FUND	EQUITY	SOUTHERN CO/THE	355,493.60	7,960	0.20		0
MML MANAGED VOLATILITY FUND	EQUITY	UNUM GROUP	85,412.34	1,794	0.05		0
MML MANAGED VOLATILITY FUND	EQUITY	SMITH (A.O.) CORP	75,099.79	1,181	0.04		0
MML MANAGED VOLATILITY FUND	EQUITY	DARDEN RESTAURANTS INC	83,289.25	977	0.05		0
MML MANAGED VOLATILITY FUND	EQUITY	MID AMERICA APARTMENT COMM	81,021.12	888	0.04		0
MML MANAGED VOLATILITY FUND	EQUITY	PERKINELMER INC	65,119.20	860	0.04		0
MML MANAGED VOLATILITY FUND	EQUITY	REALTY INCOME CORP	116,392.50	2,250	0.06		0
MML MANAGED VOLATILITY FUND	EQUITY	ROPER TECHNOLOGIES INC	226,516.83	807	0.13		0
MML MANAGED VOLATILITY FUND	EQUITY	EVEREST RE GROUP LTD	80,641.48	314	0.04		0
MML MANAGED VOLATILITY FUND	EQUITY	ALASKA AIR GROUP INC	57,560.84	929	0.03		0
MML MANAGED VOLATILITY FUND	EQUITY	ALBEMARLE CORP	80,405.58	867	0.04		0
MML MANAGED VOLATILITY FUND	EQUITY	ALLSTATE CORP	262,975.20	2,774	0.15		0
MML MANAGED VOLATILITY FUND	EQUITY	AMEREN CORPORATION	106,747.55	1,885	0.06		0
MML MANAGED VOLATILITY FUND	EQUITY	AMERICAN ELECTRIC POWER	271,684.99	3,961	0.15		0
MML MANAGED VOLATILITY FUND	EQUITY	APACHE CORP	106,743.52	2,774	0.06		0
MML MANAGED VOLATILITY FUND	EQUITY	ARCHER DANIELS MIDLAND CO	191,868.88	4,424	0.11		0
MML MANAGED VOLATILITY FUND	EQUITY	CMS ENERGY CORP	80,163.30	1,770	0.04		0
MML MANAGED VOLATILITY FUND	EQUITY	CSX CORP	379,385.10	6,810	0.21		0
MML MANAGED VOLATILITY FUND	EQUITY	CINCINNATI FINANCIAL CORP	90,968.50	1,225	0.05		0
MML MANAGED VOLATILITY FUND	EQUITY	CONSOLIDATED EDISON INC	179,028.18	2,297	0.10		0
MML MANAGED VOLATILITY FUND	EQUITY	CUMMINS INC	187,051.86	1,154	0.10		0
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	TIMKEN CO	1,090,569.60	23,916	1.02		0
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	CLEAN HARBORS INC	836,896.26	17,146	0.78		0
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	DECKERS OUTDOOR CORP	869,149.62	9,654	0.82		0
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	WATTS WATER TECHNOLOGIES A	1,143,821.70	14,721	1.07		0
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	BLACK HILLS CORP	1,078,289.40	19,858	1.01		0
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	FERRO CORP	1,424,802.42	61,361	1.34		0
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	HORACE MANN EDUCATORS	1,106,156.25	25,875	1.04		0

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

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	KIRBY CORP	1,346,932.80	17,504	1.26		0
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	NU SKIN ENTERPRISES INC A	1,006,362.63	13,653	0.94		0
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	REDWOOD TRUST INC	938,781.48	60,684	0.88		0
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	TELEDYNE TECHNOLOGIES INC	1,161,577.02	6,206	1.09		0
MML SMALL CAP GROWTH EQUITY FUND	CASH	US DOLLAR	44,071.90	44,072	0.04		0
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	NEW YORK TIMES CO A	1,528,855.80	63,438	1.43		0
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	POLYONE CORPORATION	831,903.80	19,565	0.78		0
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	ACTUANT CORP A	1,053,225.00	45,300	0.99		0
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	MB FINANCIAL INC	265,710.72	6,564	0.25		0
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	MFA FINANCIAL INC	905,580.39	120,263	0.85		0
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	MOLINA HEALTHCARE INC	1,366,259.40	16,830	1.28		0
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	TEXAS CAPITAL BANCSHARES INC	1,182,994.10	13,159	1.11		0
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	CALLIDUS SOFTWARE INC	980,500.30	27,274	0.92		0
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	ASSURED GUARANTY LTD	911,878.00	25,190	0.86		0
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	AMERIS BANCORP	1,169,142.90	22,101	1.10		0
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	POTLATCHDELTIC CORP	1,089,562.65	20,933	1.02		0
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	VONAGE HOLDINGS CORP	1,070,016.15	100,471	1.00		0
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	FIRST SOLAR INC	1,271,109.84	17,908	1.19		0
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	CINEMARK HOLDINGS INC	1,226,384.52	32,556	1.15		0
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	INSULET CORP	1,727,359.04	19,928	1.62		0
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	TRUEBLUE INC	856,849.70	33,083	0.80		0
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	GRAPHIC PACKAGING HOLDING CO	902,840.95	58,817	0.85		0
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	KENNEDY WILSON HOLDINGS INC	673,345.20	38,698	0.63		0
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	OCLARO INC	877,321.20	91,770	0.82		0
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	STATE BANK FINANCIAL CORP	1,126,395.34	37,534	1.06		0
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	AIR LEASE CORP	991,639.54	23,267	0.93		0
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	SPIRIT AIRLINES INC	612,262.68	16,206	0.57		0
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	MIMEDX GROUP INC	434,279.79	62,307	0.41		0
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	GLOBUS MEDICAL INC A	1,425,549.48	28,614	1.34		0
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	AMBARELLA INC	529,092.00	10,800	0.50		0
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	TRI POINTE GROUP INC	1,149,524.95	69,965	1.08		0
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	HANNON ARMSTRONG SUSTAINABLE	976,872.00	50,096	0.92		0
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	REXFORD INDUSTRIAL REALTY IN	995,615.78	34,582	0.93		0
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	PATTERN ENERGY GROUP INC A	956,517.38	55,322	0.90		0
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	STERLING BANCORP/DE	1,199,547.25	53,195	1.13		0
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	WIX.COM LTD	1,067,322.35	13,417	1.00		0
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	NMI HOLDINGS INC CLASS A	961,488.80	58,096	0.90		0
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	ULTRAGENYX PHARMACEUTICAL IN	304,104.36	5,964	0.29		0
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	TRINET GROUP INC	1,391,499.12	30,041	1.31		0
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	2U INC	2,109,237.03	25,101	1.98		0
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	ISHARES RUSSELL 2000 ETF	753,835.95	4,965	0.71		0
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	ENTEGRIS INC	1,266,511.20	36,394	1.19		0
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	UNION BANKSHARES CORP	1,118,957.51	30,481	1.05		0
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	ZENDESK INC	1,338,253.72	27,956	1.26		0
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	SOUTH STATE CORP	1,027,267.90	12,043	0.96		0
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	ORION ENGINEERED CARBONS SA	1,138,335.50	42,005	1.07		0
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	ADVANCED DRAINAGE SYSTEMS IN	1,268,141.70	48,963	1.19		0
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	DERMIRA INC	86,571.65	10,835	0.08		0
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	HUBSPOT INC	1,733,341.50	16,005	1.63		0
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	PRA GROUP INC	1,117,238.00	29,401	1.05		0
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	OUTFRONT MEDIA INC	348,957.54	18,621	0.33		0
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	SPARK THERAPEUTICS INC	557,824.43	8,377	0.52		0

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

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	ADURO BIOTECH INC	374,901.60	40,312	0.35	0	
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	AEROJET ROCKETDYNE HOLDINGS	867,070.00	31,000	0.81	0	
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	BLUEPRINT MEDICINES CORP	558,086.20	6,086	0.52	0	
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	8POINT3 ENERGY PARTNERS LP	708,174.90	58,286	0.66	0	
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	TELADOC INC	571,252.50	14,175	0.54	0	
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	SPX FLOW INC	1,210,221.57	24,603	1.14	0	
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	PERFORMANCE FOOD GROUP CO	1,125,852.45	37,717	1.06	0	
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	ACACIA COMMUNICATIONS INC	629,397.90	16,365	0.59	0	
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	TWILIO INC A	861,608.06	22,567	0.81	0	
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	AUDENTES THERAPEUTICS INC	432,720.00	14,400	0.41	0	
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	LIFE STORAGE INC	1,122,842.88	13,444	1.05	0	
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	CRISPR THERAPEUTICS AG	416,783.78	9,118	0.39	0	
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	CLOUDERA INC	1,103,406.98	51,131	1.03	0	
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	FIVE POINT HOLDINGS LLC CL A	923,777.06	64,781	0.87	0	
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	BANCORPSOUTH BANK	1,038,715.20	32,664	0.97	0	
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	DROPBOX INC CL B LOCKUP SHS PP	102,937.50	3,294	0.10	0	
MML SMALL CAP GROWTH EQUITY FUND	CASH EQUIVALENT	FIXED INC CLEARING CORP.REPO	1,109,486.54	1,109,487	1.04	0.74	4/2/2018
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	DELEK US HOLDINGS INC	1,677,206.30	41,209	1.57	0	
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	FIRST FINANCIAL BANCORP	983,225.00	33,500	0.92	0	
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	COOPER TIRE + RUBBER	468,419.10	15,987	0.44	0	
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	GATX CORP	1,140,084.54	16,646	1.07	0	
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	CALLON PETROLEUM CO	1,294,977.92	97,808	1.21	0	
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	LA Z BOY INC	869,059.15	29,017	0.82	0	
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	CHEESECAKE FACTORY INC/THE	1,069,519.60	22,180	1.00	0	
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	CHICO S FAS INC	1,030,252.64	113,966	0.97	0	
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	HAEMONETICS CORP/MASS	1,505,632.80	20,580	1.41	0	
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	MINERALS TECHNOLOGIES INC	1,027,414.70	15,346	0.96	0	
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	HMS HOLDINGS CORP	1,003,967.12	59,618	0.94	0	
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	MOMENTA PHARMACEUTICALS INC	550,870.65	30,351	0.52	0	
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	CHART INDUSTRIES INC	1,650,951.04	27,968	1.55	0	
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	CIENA CORP	1,321,107.20	51,008	1.24	0	
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	EHEALTH INC	931,309.11	65,081	0.87	0	
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	JOHN BEAN TECHNOLOGIES CORP	1,176,751.80	10,377	1.10	0	
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	KEMPER CORP	966,207.00	16,951	0.91	0	
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	NATIONAL BANK HOLD CL A	1,071,148.75	32,215	1.00	0	
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	FCB FINANCIAL HOLDINGS CL A	974,579.20	19,072	0.91	0	
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	JAMES RIVER GROUP HOLDINGS L	891,538.45	25,135	0.84	0	
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	LINDBLAD EXPEDITIONS HOLDING	930,297.68	90,584	0.87	0	
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	BMC STOCK HOLDINGS INC	976,366.10	49,942	0.92	0	
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	CARDTRONICS PLC A	938,849.42	42,082	0.88	0	
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	FIRSTCASH INC	1,077,537.50	13,262	1.01	0	
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	ACUSHNET HOLDINGS CORP	1,125,937.67	48,763	1.06	0	
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	METHANEX CORP	1,104,436.50	18,210	1.04	0	
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	RAMBUS INC	590,920.00	44,000	0.55	0	
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	LIFEPOINT HEALTH INC	865,458.00	18,414	0.81	0	
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	PAPA JOHN S INTL INC	498,510.00	8,700	0.47	0	
MML SMALL CAP GROWTH EQUITY FUND	CASH	POUND STERLING	7.00	5	0.00	0	
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	WABASH NATIONAL CORP	30,486.65	1,465	0.03	0	
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	WERNER ENTERPRISES INC	841,945.50	23,067	0.79	0	
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	LASALLE HOTEL PROPERTIES	854,402.52	29,452	0.80	0	
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	CARPENTER TECHNOLOGY	1,127,221.88	25,549	1.06	0	
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	TENNECO INC	967,961.67	17,641	0.91	0	

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

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	MIMECAST LTD	1,802,394.96	50,872	1.70	0	
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	IONIS PHARMACEUTICALS INC	423,256.16	9,602	0.40	0	
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	BEIGENE LTD ADR	319,200.00	1,900	0.30	0	
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	UNDER ARMOUR INC CLASS C	947,028.25	65,995	0.89	0	
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	ITT INC	1,395,195.30	28,485	1.32	0	
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	FLOOR + DECOR HOLDINGS INC A	1,247,857.04	23,942	1.18	0	
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	TRADE DESK INC/THE CLASS A	1,043,409.36	21,028	0.99	0	
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	CENTENNIAL RESOURCE DEVELO A	1,021,526.15	55,669	0.96	0	
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	CRISPR THERAPEUTICS AG	580,517.00	12,700	0.55	0	
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	DOCUSIGN SERIES E F ESCROW S	-	2,601	0.00	0	
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	OKTA INC	1,569,452.40	39,384	1.48	0	
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	SCHNEIDER NATIONAL INC CL B	957,235.92	36,732	0.90	0	
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	VERACODE INC PP	42,965.76	10,688	0.04	0	
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	ARENA PHARMACEUTICALS INC	485,218.00	12,284	0.46	0	
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	ALTA MESA RESOURCES INC	501,376.00	62,672	0.47	0	
MML SMALL CAP GROWTH EQUITY FUND	CASH EQUIVALENT	FIXED INC CLEARING CORP.REPO	1,505,501.30	1,505,501	1.42	0.74	4/2/2018
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	FORESCOUT TECHNOLOGIES INC	959,575.20	29,580	0.91	0	
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	BOYD GAMING CORP	1,650,093.12	51,792	1.56	0	
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	II VI INC	1,119,637.50	27,375	1.06	0	
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	FAIR ISAAC CORP	1,442,185.55	8,515	1.36	0	
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	FERRO CORP	1,253,299.50	53,975	1.18	0	
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	MGIC INVESTMENT CORP	1,092,377.00	84,029	1.03	0	
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	EXACT SCIENCES CORP	1,544,880.98	38,306	1.46	0	
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	MB FINANCIAL INC	862,993.12	21,319	0.82	0	
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	MANTECH INTERNATIONAL CORP A	1,263,994.89	22,787	1.19	0	
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	MOLINA HEALTHCARE INC	189,961.20	2,340	0.18	0	
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	ENERSYS	1,036,457.17	14,941	0.98	0	
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	BEACON ROOFING SUPPLY INC	1,150,398.39	21,677	1.09	0	
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	AMICUS THERAPEUTICS INC	569,685.12	37,878	0.54	0	
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	KENNEDY WILSON HOLDINGS INC	547,351.80	31,457	0.52	0	
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	IRONWOOD PHARMACEUTICALS INC	398,695.77	25,839	0.38	0	
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	EPAM SYSTEMS INC	1,375,270.68	12,009	1.30	0	
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	MIMEDX GROUP INC	122,323.50	17,550	0.12	0	
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	GLOBUS MEDICAL INC A	1,103,612.64	22,152	1.04	0	
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	HANNON ARMSTRONG SUSTAINABLE	533,266.50	27,347	0.50	0	
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	BLUEBIRD BIO INC	651,923.50	3,818	0.62	0	
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	INOGEN INC	291,499.32	2,373	0.28	0	
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	GRUBHUB INC	838,345.14	8,262	0.79	0	
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	FIVE9 INC	879,102.90	29,510	0.83	0	
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	HEALTH EQUITY INC	648,201.78	10,707	0.61	0	
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	LOXO ONCOLOGY INC	488,822.69	4,237	0.46	0	
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	DERMIRA INC	135,558.34	16,966	0.13	0	
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	HUBSPOT INC	1,427,718.90	13,183	1.35	0	
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	BLUEPRINT MEDICINES CORP	946,160.60	10,318	0.89	0	
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	TOPBUILD CORP	1,209,551.64	15,807	1.14	0	
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	GLOBAL BLOOD THERAPEUTICS IN	402,387.30	8,331	0.38	0	
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	SPX FLOW INC	1,338,558.28	27,212	1.26	0	
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	MYOKARDIA INC	413,628.80	8,476	0.39	0	
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	INGEVITY CORP	1,021,122.33	13,857	0.96	0	
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	EVERBRIDGE INC	596,726.40	16,304	0.56	0	
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	JELD WEN HOLDING INC	697,156.16	22,768	0.66	0	
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	CLOUDERA INC	1,240,957.90	57,505	1.17	0	

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

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	KNIGHT SWIFT TRANSPORTATION	937,959.86	20,386	0.89		0
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	ENTEGRIS INC	1,126,023.60	32,357	1.06		0
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	SKECHERS USA INC CL A	1,402,645.63	36,067	1.32		0
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	CORPORATE OFFICE PROPERTIES	637,277.76	24,672	0.60		0
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	ACXIOM CORP	314,033.88	13,828	0.30		0
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	PAPA JOHN S INTL INC	531,171.00	9,270	0.50		0
MML SMALL CAP GROWTH EQUITY FUND	CASH	POUND STERLING	3.45	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	511,736.40	17,640	0.48		0
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	CARPENTER TECHNOLOGY	1,405,839.68	31,864	1.33		0
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	NEUROCRINE BIOSCIENCES INC	842,320.01	10,157	0.80		0
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	OXFORD INDUSTRIES INC	472,784.96	6,341	0.45		0
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	ASTEC INDUSTRIES INC	765,181.06	13,867	0.72		0
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	COSTAR GROUP INC	1,571,129.76	4,332	1.48		0
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	ZEBRA TECHNOLOGIES CORP CL A	2,651,291.12	19,048	2.50		0
MML SMALL CAP GROWTH EQUITY FUND	CASH	US DOLLAR	9,219.24	9,219	0.01		0
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	ORASURE TECHNOLOGIES INC	895,845.60	53,040	0.85		0
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	ACTUANT CORP A	601,384.50	25,866	0.57		0
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	JETBLUE AIRWAYS CORP	1,484,254.08	73,044	1.40		0
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	NEKTAR THERAPEUTICS	1,589,862.12	14,962	1.50		0
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	BRINK S CO/THE	1,537,164.40	21,544	1.45		0
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	TEXAS CAPITAL BANCSHARES INC	793,817.00	8,830	0.75		0
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	CARTER S INC	1,397,022.00	13,420	1.32		0
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	DEXCOM INC	792,473.76	10,686	0.75		0
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	WESTERN ALLIANCE BANCORP	605,796.75	10,425	0.57		0
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	UNDER ARMOUR INC CLASS A	378,518.85	23,151	0.36		0
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	VONAGE HOLDINGS CORP	440,505.30	41,362	0.42		0
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	SHUTTERFLY INC	1,534,893.75	18,891	1.45		0
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	ALTRA INDUSTRIAL MOTION CORP	788,869.60	17,168	0.75		0
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	INSULET CORP	2,579,596.80	29,760	2.44		0
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	HILL ROM HOLDINGS INC	408,900.00	4,700	0.39		0
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	CORESITE REALTY CORP	538,195.68	5,368	0.51		0
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	GALAPAGOS NV SPON ADR	756,480.08	7,583	0.71		0
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	MARRIOTT VACATIONS WORLD	1,493,038.80	11,209	1.41		0
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	GUIDEWIRE SOFTWARE INC	1,410,241.01	17,447	1.33		0
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	REXNORD CORP	2,486,085.84	83,763	2.35		0
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	PROOFPOINT INC	803,960.10	7,074	0.76		0
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	TESARO INC	177,419.70	3,105	0.17		0
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	TOWER SEMICONDUCTOR LTD	983,156.85	36,535	0.93		0
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	TRI POINTE GROUP INC	1,036,157.95	63,065	0.98		0
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	PORTOLA PHARMACEUTICALS INC	409,850.34	12,549	0.39		0
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	SCIENCE APPLICATIONS INTE	892,961.60	11,332	0.84		0
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	VEEVA SYSTEMS INC CLASS A	775,107.30	10,615	0.73		0
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	AERIE PHARMACEUTICALS INC	1,024,565.50	18,886	0.97		0
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	STERLING BANCORP/DE	1,158,280.75	51,365	1.09		0
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	WIX.COM LTD	1,245,196.15	15,653	1.18		0
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	REVANCE THERAPEUTICS INC	309,139.60	10,037	0.29		0
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	ZU INC	2,075,036.82	24,694	1.96		0
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	UNION BANKSHARES CORP	686,477.00	18,700	0.65		0
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	ZENDESK INC	952,804.48	19,904	0.90		0
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	SAGE THERAPEUTICS INC	942,259.50	5,850	0.89		0
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	WAYFAIR INC CLASS A	904,091.64	13,388	0.85		0

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

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	PRA HEALTH SCIENCES INC	1,173,552.16	14,146	1.11	0	
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	DRAFTKINGS INC PP	104,942.32	78,904	0.10	0	
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	ZUORA INC.	451,093.65	69,937	0.43	0	
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	SPARK THERAPEUTICS INC	414,722.52	6,228	0.39	0	
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	SUMMIT MATERIALS INC CL A	895,046.56	29,559	0.85	0	
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	GODADDY INC CLASS A	1,421,750.16	23,148	1.34	0	
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	MARKLOGIC CORPORATION	227,822.72	22,966	0.22	0	
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	WINGSTOP INC	866,670.50	18,350	0.82	0	
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	/US/99203QI47 HONEST CO/THE	142,434.99	4,027	0.13	0	
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	AIMMUNE THERAPEUTICS INC	270,555.00	8,500	0.26	0	
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	PLANET FITNESS INC CL A	2,981,337.18	78,934	2.82	0	
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	ZILLOW GROUP INC C	54,499.40	1,013	0.05	0	
MML SMALL CAP GROWTH EQUITY FUND	EQUITY	PERFORMANCE FOOD GROUP CO	1,515,305.40	50,764	1.43	0	
MML LARGE CAP GROWTH FUND	EQUITY	MICROSOFT CORP	3,217,906.39	35,257	3.02	0	
MML LARGE CAP GROWTH FUND	EQUITY	ORACLE CORP	5,053,407.75	110,457	4.74	0	
MML LARGE CAP GROWTH FUND	EQUITY	AMERICAN EXPRESS CO	1,167,865.60	12,520	1.10	0	
MML LARGE CAP GROWTH FUND	EQUITY	COCA COLA CO/THE	2,671,900.46	61,522	2.51	0	
MML LARGE CAP GROWTH FUND	EQUITY	UNITED PARCEL SERVICE CL B	1,562,573.80	14,930	1.47	0	
MML LARGE CAP GROWTH FUND	EQUITY	DEERE + CO	3,092,421.20	19,910	2.90	0	
MML LARGE CAP GROWTH FUND	EQUITY	AUTOMATIC DATA PROCESSING	875,611.68	7,716	0.82	0	
MML LARGE CAP GROWTH FUND	EQUITY	COLGATE PALMOLIVE CO	315,678.72	4,404	0.30	0	
MML LARGE CAP GROWTH FUND	EQUITY	SCHLUMBERGER LTD	3,241,979.88	50,046	3.04	0	
MML LARGE CAP GROWTH FUND	EQUITY	QUALCOMM INC	2,893,399.38	52,218	2.72	0	
MML LARGE CAP GROWTH FUND	EQUITY	NOVARTIS AG SPONSORED ADR	1,826,482.35	22,591	1.71	0	
MML LARGE CAP GROWTH FUND	EQUITY	NOVO NORDISK A/S SPONS ADR	3,257,198.00	66,136	3.06	0	
MML LARGE CAP GROWTH FUND	EQUITY	AUTODESK INC	4,157,953.80	33,110	3.90	0	
MML LARGE CAP GROWTH FUND	EQUITY	STARBUCKS CORP	507,463.74	8,766	0.48	0	
MML LARGE CAP GROWTH FUND	EQUITY	YUM BRANDS INC	1,923,086.70	22,590	1.81	0	
MML LARGE CAP GROWTH FUND	EQUITY	VISA INC CLASS A SHARES	6,065,690.96	50,708	5.70	0	
MML LARGE CAP GROWTH FUND	EQUITY	DANONE SPONS ADR	3,315,787.98	203,923	3.11	0	
MML LARGE CAP GROWTH FUND	EQUITY	MERCK + CO. INC.	990,700.36	18,188	0.93	0	
MML LARGE CAP GROWTH FUND	EQUITY	FACEBOOK INC A	6,403,744.04	40,076	6.01	0	
MML LARGE CAP GROWTH FUND	EQUITY	ALIBABA GROUP HOLDING SP ADR	7,151,636.10	38,965	6.71	0	
MML LARGE CAP GROWTH FUND	EQUITY	MONSTER BEVERAGE CORP	3,951,265.86	69,066	3.71	0	
MML LARGE CAP GROWTH FUND	EQUITY	ALPHABET INC CL C	3,138,705.18	3,042	2.95	0	
MML LARGE CAP GROWTH FUND	EQUITY	ALPHABET INC CL A	3,146,682.76	3,034	2.95	0	
MML LARGE CAP GROWTH FUND	EQUITY	YUM CHINA HOLDINGS INC	1,380,539.00	33,266	1.30	0	
MML LARGE CAP GROWTH FUND	CASH EQUIVALENT	FIXED INC CLEARING CORP.REPO	2,143,754.03	2,143,754	2.01	0.74	4/2/2018
MML LARGE CAP GROWTH FUND	EQUITY	AMGEN INC	1,811,520.48	10,626	1.70	0	
MML LARGE CAP GROWTH FUND	EQUITY	EXPEDITORS INTL WASH INC	2,932,309.20	46,324	2.75	0	
MML LARGE CAP GROWTH FUND	EQUITY	AMAZON.COM INC	7,890,897.68	5,452	7.41	0	
MML LARGE CAP GROWTH FUND	EQUITY	REGENERON PHARMACEUTICALS	3,223,209.60	9,360	3.03	0	
MML LARGE CAP GROWTH FUND	EQUITY	CERNER CORP	2,269,598.00	39,131	2.13	0	
MML LARGE CAP GROWTH FUND	EQUITY	VARIAN MEDICAL SYSTEMS INC	2,340,162.00	19,080	2.20	0	
MML LARGE CAP GROWTH FUND	EQUITY	FACTSET RESEARCH SYSTEMS INC	1,839,848.92	9,226	1.73	0	
MML LARGE CAP GROWTH FUND	EQUITY	SEI INVESTMENTS COMPANY	3,598,976.04	48,044	3.38	0	
MML LARGE CAP GROWTH FUND	EQUITY	PROCTER + GAMBLE CO/THE	2,704,161.52	34,109	2.54	0	
MML LARGE CAP GROWTH FUND	EQUITY	CISCO SYSTEMS INC	4,442,760.65	103,585	4.17	0	
MML EQUITY INCOME FUND	EQUITY	GLAXOSMITHKLINE PLC SPON ADR	2,281,688.00	58,400	0.47	0	
MML EQUITY INCOME FUND	EQUITY	TYSON FOODS INC CL A	6,411,444.00	87,600	1.32	0	
MML EQUITY INCOME FUND	EQUITY	VERIZON COMMUNICATIONS INC	9,269,189.70	193,835	1.90	0	
MML EQUITY INCOME FUND	EQUITY	FORD MOTOR CO	612,724.00	55,300	0.13	0	

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML EQUITY INCOME FUND	EQUITY	GLAXOSMITHKLINE PLC	3,199,397.40	164,680	0.66		0
MML EQUITY INCOME FUND	EQUITY	JPMORGAN CHASE + CO	19,728,618.00	179,400	4.05		0
MML EQUITY INCOME FUND	EQUITY	US BANCORP	7,049,800.00	139,600	1.45		0
MML EQUITY INCOME FUND	EQUITY	CHEVRON CORP	5,200,224.00	45,600	1.07		0
MML EQUITY INCOME FUND	EQUITY	COMCAST CORP CLASS A	4,749,459.15	138,995	0.97		0
MML EQUITY INCOME FUND	EQUITY	TRANSCANADA CORP	3,436,992.00	83,200	0.71		0
MML EQUITY INCOME FUND	EQUITY	LAS VEGAS SANDS CORP	4,910,770.00	68,300	1.01		0
MML EQUITY INCOME FUND	EQUITY	CF INDUSTRIES HOLDINGS INC	4,727,569.00	125,300	0.97		0
MML EQUITY INCOME FUND	EQUITY	AMERIPRISE FINANCIAL INC	1,612,546.00	10,900	0.33		0
MML EQUITY INCOME FUND	EQUITY	CA INC	833,940.00	24,600	0.17		0
MML EQUITY INCOME FUND	EQUITY	HESS CORP	6,038,966.00	119,300	1.24		0
MML EQUITY INCOME FUND	EQUITY	TOTAL SA	9,835,743.11	173,062	2.02		0
MML EQUITY INCOME FUND	EQUITY	DELTA AIR LINES INC	2,164,995.00	39,500	0.44		0
MML EQUITY INCOME FUND	EQUITY	BANK OF NEW YORK MELLON CORP	3,890,515.00	75,500	0.80		0
MML EQUITY INCOME FUND	EQUITY	PHILIP MORRIS INTERNATIONAL	5,765,200.00	58,000	1.18		0
MML EQUITY INCOME FUND	EQUITY	EQT CORP	535,912.80	11,280	0.11		0
MML EQUITY INCOME FUND	EQUITY	AMERICAN INTERNATIONAL GROUP	5,877,577.68	108,004	1.21		0
MML EQUITY INCOME FUND	EQUITY	MERCK + CO. INC.	4,657,185.00	85,500	0.96		0
MML EQUITY INCOME FUND	EQUITY	TE CONNECTIVITY LTD	2,347,650.00	23,500	0.48		0
MML EQUITY INCOME FUND	EQUITY	CITIGROUP INC	6,183,000.00	91,600	1.27		0
MML EQUITY INCOME FUND	EQUITY	L BRANDS INC	1,696,524.00	44,400	0.35		0
MML EQUITY INCOME FUND	EQUITY	COTY INC CL A	1,534,875.90	83,873	0.31		0
MML EQUITY INCOME FUND	EQUITY	NEWS CORP CLASS A	3,916,820.00	247,900	0.80		0
MML EQUITY INCOME FUND	EQUITY	TWENTY FIRST CENTURY FOX B	8,732,437.00	240,100	1.79		0
MML EQUITY INCOME FUND	EQUITY	VODAFONE GROUP PLC	476,675.84	174,084	0.10		0
MML EQUITY INCOME FUND	EQUITY	PENTAIR PLC	2,548,062.00	37,400	0.52		0
MML EQUITY INCOME FUND	EQUITY	ANTHEM INC	8,436,480.00	38,400	1.73		0
MML EQUITY INCOME FUND	EQUITY	MEDTRONIC PLC	6,245,046.78	77,849	1.28		0
MML EQUITY INCOME FUND	EQUITY	HEWLETT PACKARD ENTERPRISE	1,264,634.00	72,100	0.26		0
MML EQUITY INCOME FUND	EQUITY	WILLIS TOWERS WATSON PLC	1,695,548.79	11,141	0.35		0
MML EQUITY INCOME FUND	EQUITY	CHUBB LTD	6,478,931.67	47,371	1.33		0
MML EQUITY INCOME FUND	EQUITY	XL GROUP LTD	2,291,632.20	41,470	0.47		0
MML EQUITY INCOME FUND	EQUITY	NEXTERA ENERGY INC	3,825,913.98	66,353	0.78		0
MML EQUITY INCOME FUND	EQUITY	JOHNSON CONTROLS INTERNATION	7,344,544.60	208,415	1.51		0
MML EQUITY INCOME FUND	EQUITY	ADIANT PLC	2,592,448.56	43,381	0.53		0
MML EQUITY INCOME FUND	EQUITY	DTE ENERGY CO	807,655.45	15,505	0.17		0
MML EQUITY INCOME FUND	EQUITY	BECTON DICKINSON AND CO	3,713,168.07	63,549	0.76		0
MML EQUITY INCOME FUND	EQUITY	BRIGHTHOUSE FINANCIAL INC	3,555,903.40	69,181	0.73		0
MML EQUITY INCOME FUND	EQUITY	DOWDUPONT INC	9,028,662.65	141,715	1.85		0
MML EQUITY INCOME FUND	FIXED INCOME	MATTEL INC	1,575,730.00	1,612,000	0.32	6.75	12/31/2025
MML EQUITY INCOME FUND	EQUITY	SEMPRA ENERGY	2,254,392.14	22,022	0.46		0
MML EQUITY INCOME FUND	CASH EQUIVALENT	FIXED INC CLEARING CORP.REPO	6,241,442.19	6,241,442	1.28	0.74	4/2/2018
MML EQUITY INCOME FUND	EQUITY	MORGAN STANLEY	10,781,208.00	199,800	2.21		0
MML EQUITY INCOME FUND	EQUITY	EXXON MOBIL CORP	11,716,903.62	157,042	2.40		0
MML EQUITY INCOME FUND	CASH EQUIVALENT	ROWE T PRICE GOV RES FD	1,030.96	1,031	0.00	0.01	9/19/2034
MML EQUITY INCOME FUND	EQUITY	NORTHERN TRUST CORP	2,196,669.00	21,300	0.45		0
MML EQUITY INCOME FUND	EQUITY	KELLOGG CO	1,930,797.00	29,700	0.40		0
MML EQUITY INCOME FUND	EQUITY	FIFTH THIRD BANCORP	7,366,000.00	232,000	1.51		0
MML EQUITY INCOME FUND	EQUITY	SEMPRA ENERGY	1,116,648.80	10,040	0.23		0
MML EQUITY INCOME FUND	EQUITY	EDISON INTERNATIONAL	3,504,483.00	55,050	0.72		0
MML EQUITY INCOME FUND	EQUITY	LOEWS CORP	6,527,708.99	131,263	1.34		0
MML EQUITY INCOME FUND	EQUITY	NISOURCE INC	5,088,048.00	212,800	1.04		0

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML EQUITY INCOME FUND	EQUITY	SOUTHERN CO/THE	8,482,139.82	189,927	1.74		0
MML EQUITY INCOME FUND	EQUITY	ALASKA AIR GROUP INC	1,412,688.00	22,800	0.29		0
MML EQUITY INCOME FUND	EQUITY	APACHE CORP	3,705,085.28	96,286	0.76		0
MML EQUITY INCOME FUND	EQUITY	ARCHER DANIELS MIDLAND CO	4,419,403.00	101,900	0.91		0
MML EQUITY INCOME FUND	EQUITY	INTERNATIONAL PAPER CO	4,466,748.00	83,600	0.92		0
MML EQUITY INCOME FUND	EQUITY	KEYCORP	4,091,815.00	209,300	0.84		0
MML EQUITY INCOME FUND	EQUITY	OCCIDENTAL PETROLEUM CORP	4,657,632.00	71,700	0.96		0
MML EQUITY INCOME FUND	EQUITY	P G + E CORP	2,846,839.72	64,804	0.58		0
MML EQUITY INCOME FUND	EQUITY	RAYONIER INC	4,515,036.38	128,341	0.93		0
MML EQUITY INCOME FUND	EQUITY	WESTAR ENERGY INC	2,066,787.00	39,300	0.42		0
MML EQUITY INCOME FUND	EQUITY	APPLIED MATERIALS INC	3,675,821.00	66,100	0.75		0
MML EQUITY INCOME FUND	EQUITY	FLOWSERVE CORP	1,914,839.36	44,192	0.39		0
MML EQUITY INCOME FUND	EQUITY	STERICYCLE INC	1,305,336.06	22,302	0.27		0
MML EQUITY INCOME FUND	EQUITY	WESTERN DIGITAL CORP	1,153,375.00	12,500	0.24		0
MML EQUITY INCOME FUND	EQUITY	DIAGEO PLC	275,376.93	8,140	0.06		0
MML EQUITY INCOME FUND	EQUITY	GILEAD SCIENCES INC	5,820,108.00	77,200	1.19		0
MML EQUITY INCOME FUND	EQUITY	AKZO NOBEL	970,896.73	10,270	0.20		0
MML EQUITY INCOME FUND	EQUITY	TELEFONICA SA	2,831,208.13	285,662	0.58		0
MML EQUITY INCOME FUND	EQUITY	BECTON DICKINSON AND CO	3,618,890.00	16,700	0.74		0
MML EQUITY INCOME FUND	EQUITY	CENTURYLINK INC	1,296,409.15	78,905	0.27		0
MML EQUITY INCOME FUND	EQUITY	FRANKLIN RESOURCES INC	3,194,028.00	92,100	0.66		0
MML EQUITY INCOME FUND	EQUITY	CVS HEALTH CORP	3,415,515.63	54,903	0.70		0
MML EQUITY INCOME FUND	EQUITY	CISCO SYSTEMS INC	8,110,499.00	189,100	1.66		0
MML EQUITY INCOME FUND	EQUITY	WALT DISNEY CO/THE	1,546,776.00	15,400	0.32		0
MML EQUITY INCOME FUND	EQUITY	GENERAL ELECTRIC CO	1,924,944.00	142,800	0.39		0
MML EQUITY INCOME FUND	EQUITY	MICROSOFT CORP	10,970,654.00	120,200	2.25		0
MML EQUITY INCOME FUND	EQUITY	PFIZER INC	6,837,290.46	192,654	1.40		0
MML EQUITY INCOME FUND	EQUITY	WALMART INC	5,204,745.00	58,500	1.07		0
MML EQUITY INCOME FUND	EQUITY	WELLS FARGO + CO	13,710,456.00	261,600	2.81		0
MML EQUITY INCOME FUND	EQUITY	KIMBERLY CLARK CORP	6,046,137.00	54,900	1.24		0
MML EQUITY INCOME FUND	EQUITY	PNC FINANCIAL SERVICES GROUP	5,384,144.00	35,600	1.10		0
MML EQUITY INCOME FUND	EQUITY	BANK OF AMERICA CORP	851,026.23	28,377	0.17		0
MML EQUITY INCOME FUND	EQUITY	EMERSON ELECTRIC CO	4,214,110.00	61,700	0.86		0
MML EQUITY INCOME FUND	EQUITY	HARRIS CORP	9,182,476.80	56,935	1.88		0
MML EQUITY INCOME FUND	CASH	US DOLLAR	101,525.74	101,526	0.02		0
MML EQUITY INCOME FUND	EQUITY	BRISTOL MYERS SQUIBB CO	4,073,300.00	64,400	0.84		0
MML EQUITY INCOME FUND	EQUITY	ILLINOIS TOOL WORKS	1,033,956.00	6,600	0.21		0
MML EQUITY INCOME FUND	EQUITY	MARSH + MCLENNAN COS	2,634,621.00	31,900	0.54		0
MML EQUITY INCOME FUND	EQUITY	MATTEL INC	2,188,160.00	166,400	0.45		0
MML EQUITY INCOME FUND	EQUITY	NUCOR CORP	3,091,154.00	50,600	0.63		0
MML EQUITY INCOME FUND	EQUITY	TEXAS INSTRUMENTS INC	3,456,731.97	33,273	0.71		0
MML EQUITY INCOME FUND	EQUITY	JOHNSON + JOHNSON	8,957,685.00	69,900	1.84		0
MML EQUITY INCOME FUND	EQUITY	STATE STREET CORP	7,360,074.00	73,800	1.51		0
MML EQUITY INCOME FUND	EQUITY	ANALOG DEVICES INC	1,034,963.41	11,357	0.21		0
MML EQUITY INCOME FUND	EQUITY	PEPSICO INC	4,267,765.00	39,100	0.88		0
MML EQUITY INCOME FUND	EQUITY	UNITED PARCEL SERVICE CL B	5,613,125.12	53,632	1.15		0
MML EQUITY INCOME FUND	EQUITY	EQUITY RESIDENTIAL	3,943,680.00	64,000	0.81		0
MML EQUITY INCOME FUND	EQUITY	SL GREEN REALTY CORP	2,219,440.43	22,921	0.46		0
MML EQUITY INCOME FUND	CASH	EURO CURRENCY	(29.68)	(24)	0.00		0
MML EQUITY INCOME FUND	EQUITY	BOEING CO/THE	8,623,244.00	26,300	1.77		0
MML EQUITY INCOME FUND	EQUITY	KOHL'S CORP	3,550,642.00	54,200	0.73		0
MML EQUITY INCOME FUND	EQUITY	QUALCOMM INC	8,300,418.00	149,800	1.70		0

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML EQUITY INCOME FUND	EQUITY	SOUTHWEST AIRLINES CO	1,850,144.00	32,300	0.38		0
MML EQUITY INCOME FUND	EQUITY	VULCAN MATERIALS CO	3,322,347.00	29,100	0.68		0
MML EQUITY INCOME FUND	EQUITY	WEYERHAEUSER CO	3,211,985.00	91,771	0.66		0
MML EQUITY INCOME FUND	EQUITY	METLIFE INC	6,681,584.00	145,600	1.37		0
MML MID CAP VALUE FUND	EQUITY	TEXTRON INC	5,258,826.66	89,178	1.15		0
MML MID CAP VALUE FUND	EQUITY	NOBLE ENERGY INC	5,848,506.00	193,020	1.28		0
MML MID CAP VALUE FUND	EQUITY	JM SMUCKER CO/THE	4,386,233.70	35,370	0.96		0
MML MID CAP VALUE FUND	EQUITY	CIMAREX ENERGY CO	3,886,047.00	41,562	0.85		0
MML MID CAP VALUE FUND	EQUITY	CARNIVAL CORP	2,085,640.74	31,803	0.46		0
MML MID CAP VALUE FUND	EQUITY	NORTHWESTERN CORP	4,552,502.20	84,619	0.99		0
MML MID CAP VALUE FUND	EQUITY	MOLSON COORS BREWING CO B	3,032,710.47	40,259	0.66		0
MML MID CAP VALUE FUND	EQUITY	AMERIPRISE FINANCIAL INC	5,471,412.96	36,984	1.20		0
MML MID CAP VALUE FUND	EQUITY	TRAVELERS COS INC/THE	1,389,016.58	10,003	0.30		0
MML MID CAP VALUE FUND	EQUITY	ORKLA ASA	4,733,171.55	440,301	1.03		0
MML MID CAP VALUE FUND	EQUITY	SPECTRA ENERGY PARTNERS LP	2,812,001.24	83,591	0.61		0
MML MID CAP VALUE FUND	EQUITY	INVESCO LTD	8,960,047.14	279,914	1.96		0
MML MID CAP VALUE FUND	EQUITY	GRAPHIC PACKAGING HOLDING CO	6,459,725.15	420,829	1.41		0
MML MID CAP VALUE FUND	EQUITY	DR PEPPER SNAPPLE GROUP INC	1,325,619.24	11,198	0.29		0
MML MID CAP VALUE FUND	EQUITY	REINSURANCE GROUP OF AMERICA	3,642,870.00	23,655	0.80		0
MML MID CAP VALUE FUND	EQUITY	EQT CORP	6,438,080.10	135,510	1.41		0
MML MID CAP VALUE FUND	EQUITY	INGERSOLL RAND PLC	3,690,440.58	43,158	0.81		0
MML MID CAP VALUE FUND	EQUITY	PIEDMONT OFFICE REALTY TRU A	3,153,587.97	179,283	0.69		0
MML MID CAP VALUE FUND	EQUITY	CAPITOL FEDERAL FINANCIAL IN	3,617,710.20	292,932	0.79		0
MML MID CAP VALUE FUND	EQUITY	HCA HEALTHCARE INC	3,386,173.00	34,909	0.74		0
MML MID CAP VALUE FUND	EQUITY	TE CONNECTIVITY LTD	3,882,813.30	38,867	0.85		0
MML MID CAP VALUE FUND	EQUITY	MARATHON PETROLEUM CORP	3,313,418.31	45,321	0.72		0
MML MID CAP VALUE FUND	EQUITY	AMERICAN TOWER CORP	3,397,467.84	23,376	0.74		0
MML MID CAP VALUE FUND	EQUITY	EXPRESS SCRIPTS HOLDING CO	3,065,217.76	44,372	0.67		0
MML MID CAP VALUE FUND	EQUITY	MONDELEZ INTERNATIONAL INC A	6,852,274.65	164,205	1.50		0
MML MID CAP VALUE FUND	EQUITY	EATON CORP PLC	4,414,228.40	55,240	0.96		0
MML MID CAP VALUE FUND	EQUITY	EMPIRE STATE REALTY TRUST A	1,454,299.43	86,617	0.32		0
MML MID CAP VALUE FUND	EQUITY	IMI PLC	2,624,327.12	172,898	0.57		0
MML MID CAP VALUE FUND	EQUITY	KEYSIGHT TECHNOLOGIES IN	6,052,983.43	115,537	1.32		0
MML MID CAP VALUE FUND	EQUITY	EVERSOURCE ENERGY	2,208,675.12	37,486	0.48		0
MML MID CAP VALUE FUND	EQUITY	WESTROCK CO	8,421,734.97	131,241	1.84		0
MML MID CAP VALUE FUND	EQUITY	HP INC	2,371,634.40	108,195	0.52		0
MML MID CAP VALUE FUND	EQUITY	STERIS PLC	4,375,876.56	46,871	0.96		0
MML MID CAP VALUE FUND	EQUITY	HUBBELL INC	7,242,865.50	59,475	1.58		0
MML MID CAP VALUE FUND	EQUITY	CHUBB LTD	6,215,375.88	45,444	1.36		0
MML MID CAP VALUE FUND	EQUITY	MGM GROWTH PROPERTIES LLC A	3,172,857.00	119,550	0.69		0
MML MID CAP VALUE FUND	EQUITY	SPIRE INC	3,363,902.10	46,527	0.73		0
MML MID CAP VALUE FUND	EQUITY	US FOODS HOLDING CORP	2,557,829.58	78,054	0.56		0
MML MID CAP VALUE FUND	EQUITY	JOHNSON CONTROLS INTERNATION	11,053,554.60	313,665	2.41		0
MML MID CAP VALUE FUND	EQUITY	BAKER HUGHES A GE CO	5,854,443.63	210,819	1.28		0
MML MID CAP VALUE FUND	EQUITY	APTIV PLC	1,225,097.46	14,418	0.27		0
MML MID CAP VALUE FUND	EQUITY	SIEMENS HEALTHINEERS AG	2,331,310.64	56,727	0.51		0
MML MID CAP VALUE FUND	CASH EQUIVALENT	FIXED INC CLEARING CORP.REPO	7,844,574.66	7,844,575	1.71	0.74	4/2/2018
MML MID CAP VALUE FUND	EQUITY	IMPERIAL OIL LTD	5,756,344.72	217,356	1.26		0
MML MID CAP VALUE FUND	EQUITY	COMMERCE BANCSHARES INC	5,042,924.25	84,175	1.10		0
MML MID CAP VALUE FUND	EQUITY	NORTHERN TRUST CORP	11,173,619.85	108,345	2.44		0
MML MID CAP VALUE FUND	EQUITY	KELLOGG CO	7,057,940.67	108,567	1.54		0
MML MID CAP VALUE FUND	EQUITY	M + T BANK CORP	6,518,600.88	35,358	1.42		0

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

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	LIFEPOINT HEALTH INC	5,553,097.00	118,151	1.21	0	
MML MID CAP VALUE FUND	EQUITY	BB+T CORP	8,770,197.12	168,528	1.92	0	
MML MID CAP VALUE FUND	EQUITY	COMERICA INC	1,418,516.91	14,787	0.31	0	
MML MID CAP VALUE FUND	EQUITY	MCKESSON CORP	3,919,989.49	27,827	0.86	0	
MML MID CAP VALUE FUND	EQUITY	BEMIS COMPANY	3,252,684.80	74,740	0.71	0	
MML MID CAP VALUE FUND	CASH	POUND STERLING	(0.03)	(0)	0.00	0	
MML MID CAP VALUE FUND	EQUITY	EDISON INTERNATIONAL	4,211,936.58	66,163	0.92	0	
MML MID CAP VALUE FUND	EQUITY	PINNACLE WEST CAPITAL	3,405,305.40	42,673	0.74	0	
MML MID CAP VALUE FUND	EQUITY	UNUM GROUP	806,703.84	16,944	0.18	0	
MML MID CAP VALUE FUND	EQUITY	AMEREN CORPORATION	1,702,750.84	30,068	0.37	0	
MML MID CAP VALUE FUND	EQUITY	CUMMINS INC	2,856,836.25	17,625	0.62	0	
MML MID CAP VALUE FUND	EQUITY	DEVON ENERGY CORP	5,354,103.59	168,421	1.17	0	
MML MID CAP VALUE FUND	EQUITY	TARGET CORP	4,055,059.15	58,405	0.89	0	
MML MID CAP VALUE FUND	EQUITY	CARDINAL HEALTH INC	5,219,802.36	83,277	1.14	0	
MML MID CAP VALUE FUND	EQUITY	ANADARKO PETROLEUM CORP	4,109,027.79	68,019	0.90	0	
MML MID CAP VALUE FUND	CASH	EURO CURRENCY	0.71	1	0.00	0	
MML MID CAP VALUE FUND	EQUITY	GENERAL MILLS INC	6,344,583.18	140,803	1.39	0	
MML MID CAP VALUE FUND	EQUITY	HALLIBURTON CO	1,806,485.90	38,485	0.39	0	
MML MID CAP VALUE FUND	EQUITY	MAXIM INTEGRATED PRODUCTS	5,734,810.82	95,231	1.25	0	
MML MID CAP VALUE FUND	EQUITY	SOUTHWEST AIRLINES CO	4,304,362.88	75,146	0.94	0	
MML MID CAP VALUE FUND	EQUITY	SUNTRUST BANKS INC	4,745,926.08	69,752	1.04	0	
MML MID CAP VALUE FUND	EQUITY	WEYERHAEUSER CO	9,634,835.00	275,281	2.10	0	
MML MID CAP VALUE FUND	EQUITY	AFLAC INC	3,256,881.76	74,426	0.71	0	
MML MID CAP VALUE FUND	EQUITY	HONDA MOTOR CO LTD SPONS ADR	4,200,072.55	120,935	0.92	0	
MML MID CAP VALUE FUND	EQUITY	PARKER HANNIFIN CORP	1,020,707.04	5,968	0.22	0	
MML MID CAP VALUE FUND	EQUITY	REPUBLIC SERVICES INC	3,006,842.00	45,400	0.66	0	
MML MID CAP VALUE FUND	EQUITY	PACCAR INC	2,342,550.34	35,402	0.51	0	
MML MID CAP VALUE FUND	EQUITY	MICROCHIP TECHNOLOGY INC	3,030,228.48	33,168	0.66	0	
MML MID CAP VALUE FUND	EQUITY	NATIONAL OILWELL VARCO INC	6,016,042.35	163,435	1.31	0	
MML MID CAP VALUE FUND	EQUITY	XCEL ENERGY INC	6,633,030.60	145,845	1.45	0	
MML MID CAP VALUE FUND	EQUITY	T ROWE PRICE GROUP INC	1,826,852.40	16,920	0.40	0	
MML MID CAP VALUE FUND	EQUITY	PROASSURANCE CORP	1,764,112.80	36,336	0.39	0	
MML MID CAP VALUE FUND	EQUITY	ZIMMER BIOMET HOLDINGS INC	11,937,044.96	109,474	2.61	0	
MML MID CAP VALUE FUND	EQUITY	ADVANCE AUTO PARTS INC	5,399,478.30	45,546	1.18	0	
MML MID CAP VALUE FUND	EQUITY	ISHARES RUSSELL MID CAP VALUE	5,755,805.85	66,595	1.26	0	
MML MID CAP VALUE FUND	EQUITY	BANK OF HAWAII CORP	4,976,443.50	59,885	1.09	0	
MML MID CAP VALUE FUND	EQUITY	HELMERICH + PAYNE	911,339.52	13,692	0.20	0	
MML MID CAP VALUE FUND	EQUITY	NORFOLK SOUTHERN CORP	2,337,181.14	17,213	0.51	0	
MML MID CAP VALUE FUND	EQUITY	OCCIDENTAL PETROLEUM CORP	4,461,192.96	68,676	0.97	0	
MML MID CAP VALUE FUND	EQUITY	PULTEGROUP INC	3,244,961.64	110,036	0.71	0	
MML MID CAP VALUE FUND	EQUITY	UMB FINANCIAL CORP	2,508,023.94	34,646	0.55	0	
MML MID CAP VALUE FUND	EQUITY	QUEST DIAGNOSTICS INC	4,375,888.40	43,628	0.96	0	
MML MID CAP VALUE FUND	EQUITY	HENRY SCHEIN INC	3,160,281.41	47,021	0.69	0	
MML MID CAP VALUE FUND	EQUITY	APPLIED MATERIALS INC	3,916,223.03	70,423	0.86	0	
MML MID CAP VALUE FUND	EQUITY	ATMOS ENERGY CORP	2,358,383.04	27,996	0.52	0	
MML MID CAP VALUE FUND	EQUITY	BROWN + BROWN INC	2,365,970.88	93,002	0.52	0	
MML MID CAP VALUE FUND	EQUITY	ARTHUR J GALLAGHER + CO	3,497,257.32	50,884	0.76	0	
MML MID CAP VALUE FUND	EQUITY	HEARTLAND EXPRESS INC	3,939,342.26	218,974	0.86	0	
MML MID CAP VALUE FUND	EQUITY	MSC INDUSTRIAL DIRECT CO A	5,612,652.00	61,200	1.23	0	
MML MID CAP VALUE FUND	EQUITY	TERADYNE INC	4,882,879.33	106,823	1.07	0	
MML MID CAP VALUE FUND	EQUITY	WESTAMERICA BANCORPORATION	4,774,350.24	82,203	1.04	0	
MML MID CAP VALUE FUND	EQUITY	CONAGRA BRANDS INC	9,117,953.04	247,233	1.99	0	

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

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	GENUINE PARTS CO	3,228,490.24	35,936	0.71	0	
MML MID CAP VALUE FUND	EQUITY	PNC FINANCIAL SERVICES GROUP	2,302,326.52	15,223	0.50	0	
MML MID CAP VALUE FUND	EQUITY	TORCHMARK CORP	1,577,514.14	18,742	0.34	0	
MML MID CAP VALUE FUND	EQUITY	EMERSON ELECTRIC CO	5,744,030.00	84,100	1.25	0	
MML MID CAP VALUE FUND	EQUITY	SONOCO PRODUCTS CO	4,973,190.00	102,540	1.09	0	
MML MID CAP VALUE FUND	CASH	US DOLLAR	(53,782.12)	(53,782)	0.01	0	
MML MID CAP VALUE FUND	EQUITY	SYSCO CORP	7,024,134.12	117,147	1.53	0	
MML INCOME & GROWTH FUND	EQUITY	JOHNSON + JOHNSON	5,022,070.35	39,189	3.51	0	
MML INCOME & GROWTH FUND	EQUITY	STATE STREET CORP	2,807,100.31	28,147	1.96	0	
MML INCOME & GROWTH FUND	EQUITY	UNITED TECHNOLOGIES CORP	4,264,668.90	33,895	2.98	0	
MML INCOME & GROWTH FUND	EQUITY	WHIRLPOOL CORP	1,835,329.57	11,987	1.28	0	
MML INCOME & GROWTH FUND	EQUITY	LOEWS CORP	5,757,043.18	115,766	4.02	0	
MML INCOME & GROWTH FUND	EQUITY	ENTERGY CORP	3,414,561.54	43,343	2.39	0	
MML INCOME & GROWTH FUND	EQUITY	KEYCORP	2,646,072.95	135,349	1.85	0	
MML INCOME & GROWTH FUND	EQUITY	NORFOLK SOUTHERN CORP	2,569,908.06	18,927	1.80	0	
MML INCOME & GROWTH FUND	EQUITY	OCCIDENTAL PETROLEUM CORP	3,420,793.60	52,660	2.39	0	
MML INCOME & GROWTH FUND	EQUITY	CVS HEALTH CORP	1,684,149.12	27,072	1.18	0	
MML INCOME & GROWTH FUND	EQUITY	GENERAL ELECTRIC CO	2,610,927.72	193,689	1.82	0	
MML INCOME & GROWTH FUND	EQUITY	ORACLE CORP	2,843,499.75	62,153	1.99	0	
MML INCOME & GROWTH FUND	EQUITY	PFIZER INC	4,810,137.15	135,535	3.36	0	
MML INCOME & GROWTH FUND	EQUITY	WALMART INC	4,351,878.58	48,914	3.04	0	
MML INCOME & GROWTH FUND	EQUITY	WELLS FARGO + CO	5,087,386.29	97,069	3.55	0	
MML INCOME & GROWTH FUND	EQUITY	BANK OF AMERICA CORP	6,691,068.90	223,110	4.67	0	
MML INCOME & GROWTH FUND	EQUITY	INTL BUSINESS MACHINES CORP	3,527,815.99	22,993	2.46	0	
MML INCOME & GROWTH FUND	CASH	US DOLLAR	26,773.85	26,774	0.02	0	
MML INCOME & GROWTH FUND	EQUITY	BP PLC SPONS ADR	5,491,143.00	135,450	3.84	0	
MML INCOME & GROWTH FUND	EQUITY	AMERICAN EXPRESS CO	4,302,260.16	46,122	3.01	0	
MML INCOME & GROWTH FUND	EQUITY	CARDINAL HEALTH INC	1,407,354.04	22,453	0.98	0	
MML INCOME & GROWTH FUND	EQUITY	QUALCOMM INC	2,559,997.41	46,201	1.79	0	
MML INCOME & GROWTH FUND	EQUITY	SOUTHWEST AIRLINES CO	1,572,966.08	27,461	1.10	0	
MML INCOME & GROWTH FUND	EQUITY	TYSON FOODS INC CL A	1,869,711.74	25,546	1.31	0	
MML INCOME & GROWTH FUND	EQUITY	VERIZON COMMUNICATIONS INC	3,223,976.58	67,419	2.25	0	
MML INCOME & GROWTH FUND	EQUITY	JPMORGAN CHASE + CO	5,514,005.77	50,141	3.85	0	
MML INCOME & GROWTH FUND	EQUITY	RAYTHEON COMPANY	2,261,361.96	10,478	1.58	0	
MML INCOME & GROWTH FUND	EQUITY	CHEVRON CORP	4,112,852.60	36,065	2.87	0	
MML INCOME & GROWTH FUND	EQUITY	SANOFI ADR	2,229,329.76	55,622	1.56	0	
MML INCOME & GROWTH FUND	EQUITY	CONOCOPHILLIPS	3,413,206.72	57,568	2.38	0	
MML INCOME & GROWTH FUND	EQUITY	ALTRIA GROUP INC	3,550,245.76	56,968	2.48	0	
MML INCOME & GROWTH FUND	EQUITY	CELANESE CORP SERIES A	2,188,686.61	21,841	1.53	0	
MML INCOME & GROWTH FUND	EQUITY	AT+T INC	2,589,223.85	72,629	1.81	0	
MML INCOME & GROWTH FUND	EQUITY	HCP INC	1,642,709.45	70,715	1.15	0	
MML INCOME & GROWTH FUND	EQUITY	PHILIP MORRIS INTERNATIONAL	3,929,679.60	39,534	2.75	0	
MML INCOME & GROWTH FUND	EQUITY	MERCK + CO. INC.	2,633,570.03	48,349	1.84	0	
MML INCOME & GROWTH FUND	EQUITY	STANLEY BLACK + DECKER INC	2,846,149.60	18,578	1.99	0	
MML INCOME & GROWTH FUND	EQUITY	CITIGROUP INC	2,407,117.50	35,661	1.68	0	
MML INCOME & GROWTH FUND	EQUITY	PHILLIPS 66	4,546,416.16	47,398	3.18	0	
MML INCOME & GROWTH FUND	EQUITY	XL GROUP LTD	4,057,078.68	73,418	2.83	0	
MML INCOME & GROWTH FUND	EQUITY	JOHNSON CONTROLS INTERNATION	4,110,746.00	116,650	2.87	0	
MML INCOME & GROWTH FUND	EQUITY	ADIANT PLC	1,587,345.12	26,562	1.11	0	
MML INCOME & GROWTH FUND	EQUITY	DOWDUPONT INC	4,968,233.22	77,982	3.47	0	
MML INCOME & GROWTH FUND	CASH EQUIVALENT	FIXED INC CLEARING CORP.REPO	767,098.03	767,098	0.54	0.74	4/2/2018
MML BLUE CHIP GROWTH FUND	EQUITY	CTRIIP.COM INTERNATIONAL ADR	388,810.80	8,340	0.10	0	

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

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	SALESFORCE.COM INC	7,617,650.00	65,500	2.02	0	
MML BLUE CHIP GROWTH FUND	EQUITY	AMERIPRISE FINANCIAL INC	606,554.00	4,100	0.16	0	
MML BLUE CHIP GROWTH FUND	EQUITY	CANADIAN PACIFIC RAILWAY LTD	758,950.00	4,300	0.20	0	
MML BLUE CHIP GROWTH FUND	EQUITY	YUM BRANDS INC	2,856,707.41	33,557	0.76	0	
MML BLUE CHIP GROWTH FUND	EQUITY	NETFLIX INC	5,209,087.95	17,637	1.38	0	
MML BLUE CHIP GROWTH FUND	EQUITY	WYNN RESORTS LTD	1,503,193.48	8,243	0.40	0	
MML BLUE CHIP GROWTH FUND	EQUITY	INTUITIVE SURGICAL INC	5,073,267.87	12,289	1.34	0	
MML BLUE CHIP GROWTH FUND	EQUITY	BIOGEN INC	1,524,082.12	5,566	0.40	0	
MML BLUE CHIP GROWTH FUND	EQUITY	CHUBB LTD	355,602.00	2,600	0.09	0	
MML BLUE CHIP GROWTH FUND	EQUITY	TD AMERITRADE HOLDING CORP	6,624,283.20	111,840	1.76	0	
MML BLUE CHIP GROWTH FUND	EQUITY	FIDELITY NATIONAL INFO SERV	1,588,950.00	16,500	0.42	0	
MML BLUE CHIP GROWTH FUND	EQUITY	MASTERCARD INC A	10,592,625.84	60,474	2.81	0	
MML BLUE CHIP GROWTH FUND	EQUITY	DELTA AIR LINES INC	1,523,718.00	27,800	0.40	0	
MML BLUE CHIP GROWTH FUND	EQUITY	BANK OF NEW YORK MELLON CORP	293,721.00	5,700	0.08	0	
MML BLUE CHIP GROWTH FUND	EQUITY	VMWARE INC CLASS A	178,509.44	1,472	0.05	0	
MML BLUE CHIP GROWTH FUND	EQUITY	ULTA BEAUTY INC	20,427.00	100	0.01	0	
MML BLUE CHIP GROWTH FUND	EQUITY	PHILIP MORRIS INTERNATIONAL	457,240.00	4,600	0.12	0	
MML BLUE CHIP GROWTH FUND	EQUITY	VISA INC CLASS A SHARES	12,153,152.76	101,598	3.22	0	
MML BLUE CHIP GROWTH FUND	EQUITY	ACTIVISION BLIZZARD INC	762,298.00	11,300	0.20	0	
MML BLUE CHIP GROWTH FUND	EQUITY	AMERICAN INTERNATIONAL GROUP	527,874.00	9,700	0.14	0	
MML BLUE CHIP GROWTH FUND	EQUITY	MERCK + CO. INC.	38,129.00	700	0.01	0	
MML BLUE CHIP GROWTH FUND	EQUITY	DOLLAR GENERAL CORP	2,488,430.00	26,600	0.66	0	
MML BLUE CHIP GROWTH FUND	EQUITY	STANLEY BLACK + DECKER INC	1,083,430.40	7,072	0.29	0	
MML BLUE CHIP GROWTH FUND	EQUITY	NEXTERA ENERGY INC	718,652.00	4,400	0.19	0	
MML BLUE CHIP GROWTH FUND	EQUITY	TESLA INC	1,650,538.26	6,202	0.44	0	
MML BLUE CHIP GROWTH FUND	EQUITY	UNITED CONTINENTAL HOLDINGS	486,290.00	7,000	0.13	0	
MML BLUE CHIP GROWTH FUND	EQUITY	FLEETCOR TECHNOLOGIES INC	1,518,750.00	7,500	0.40	0	
MML BLUE CHIP GROWTH FUND	EQUITY	O REILLY AUTOMOTIVE INC	35,622.72	144	0.01	0	
MML BLUE CHIP GROWTH FUND	EQUITY	CITIGROUP INC	270,000.00	4,000	0.07	0	
MML BLUE CHIP GROWTH FUND	EQUITY	AMERICAN TOWER CORP	1,677,950.30	11,545	0.44	0	
MML BLUE CHIP GROWTH FUND	EQUITY	FACEBOOK INC A	16,867,272.61	105,559	4.47	0	
MML BLUE CHIP GROWTH FUND	EQUITY	SERVICENOW INC	6,464,627.85	39,073	1.71	0	
MML BLUE CHIP GROWTH FUND	EQUITY	WORKDAY INC CLASS A	2,516,778.00	19,800	0.67	0	
MML BLUE CHIP GROWTH FUND	EQUITY	ASML HOLDING NV NY REG SHS	476,544.00	2,400	0.13	0	
MML BLUE CHIP GROWTH FUND	EQUITY	NORWEGIAN CRUISE LINE HOLDIN	704,501.00	13,300	0.19	0	
MML BLUE CHIP GROWTH FUND	EQUITY	ZOETIS INC	308,987.00	3,700	0.08	0	
MML BLUE CHIP GROWTH FUND	EQUITY	INTERCONTINENTAL EXCHANGE IN	3,588,869.76	49,488	0.95	0	
MML BLUE CHIP GROWTH FUND	EQUITY	AMERICAN AIRLINES GROUP INC	5,736,124.20	110,395	1.52	0	
MML BLUE CHIP GROWTH FUND	EQUITY	TENCENT HOLDINGS LTD	8,069,853.04	151,600	2.14	0	
MML BLUE CHIP GROWTH FUND	EQUITY	ALIBABA GROUP HOLDING SP ADR	13,942,799.64	75,966	3.70	0	
MML BLUE CHIP GROWTH FUND	EQUITY	ANTHEM INC	3,559,140.00	16,200	0.94	0	
MML BLUE CHIP GROWTH FUND	EQUITY	EQUINIX INC	45,577.26	109	0.01	0	
MML BLUE CHIP GROWTH FUND	EQUITY	MONSTER BEVERAGE CORP	108,699.00	1,900	0.03	0	
MML BLUE CHIP GROWTH FUND	EQUITY	PAYPAL HOLDINGS INC	4,644,078.57	61,211	1.23	0	
MML BLUE CHIP GROWTH FUND	EQUITY	ALPHABET INC CL C	15,096,119.49	14,631	4.00	0	
MML BLUE CHIP GROWTH FUND	EQUITY	ALPHABET INC CL A	6,466,567.90	6,235	1.71	0	
MML BLUE CHIP GROWTH FUND	EQUITY	FERRARI NV	758,673.40	6,295	0.20	0	
MML BLUE CHIP GROWTH FUND	EQUITY	WILLIS TOWERS WATSON PLC	2,768,792.67	18,193	0.73	0	
MML BLUE CHIP GROWTH FUND	EQUITY	BROADCOM LTD	2,893,782.00	12,280	0.77	0	
MML BLUE CHIP GROWTH FUND	EQUITY	S+P GLOBAL INC	1,815,070.00	9,500	0.48	0	
MML BLUE CHIP GROWTH FUND	EQUITY	FORTIVE CORP	1,906,449.36	24,593	0.51	0	
MML BLUE CHIP GROWTH FUND	EQUITY	IHS MARKIT LTD	55,379.52	1,148	0.01	0	

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

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	HILTON WORLDWIDE HOLDINGS IN	967,960.40	12,290	0.26	0	
MML BLUE CHIP GROWTH FUND	EQUITY	DOWDUPONT INC	432,208.64	6,784	0.11	0	
MML BLUE CHIP GROWTH FUND	EQUITY	TAPESTRY INC	220,962.00	4,200	0.06	0	
MML BLUE CHIP GROWTH FUND	EQUITY	APTIV PLC	790,221.00	9,300	0.21	0	
MML BLUE CHIP GROWTH FUND	EQUITY	WORLDPAY INC CLASS A	1,329,985.28	16,172	0.35	0	
MML BLUE CHIP GROWTH FUND	EQUITY	BOOKING HOLDINGS INC	16,403,875.15	7,885	4.35	0	
MML BLUE CHIP GROWTH FUND	CASH EQUIVALENT	FIXED INC CLEARING CORP.REPO	1,740,598.31	1,740,598	0.46	0.74	4/2/2018
MML BLUE CHIP GROWTH FUND	EQUITY	CORNING INC	64,124.00	2,300	0.02	0	
MML BLUE CHIP GROWTH FUND	EQUITY	MORGAN STANLEY	8,396,445.80	155,605	2.23	0	
MML BLUE CHIP GROWTH FUND	EQUITY	UNION PACIFIC CORP	107,544.00	800	0.03	0	
MML BLUE CHIP GROWTH FUND	CASH EQUIVALENT	ROWE T PRICE GOV RES FD	1,030.96	1,031	0.00	0.01	9/19/2034
MML BLUE CHIP GROWTH FUND	EQUITY	RED HAT INC	3,744,926.48	25,048	0.99	0	
MML BLUE CHIP GROWTH FUND	CASH	SOUTH KOREAN WON	0.09	96	0.00	0	
MML BLUE CHIP GROWTH FUND	EQUITY	INTUIT INC	4,329,762.95	24,977	1.15	0	
MML BLUE CHIP GROWTH FUND	EQUITY	STRYKER CORP	5,986,384.92	37,201	1.59	0	
MML BLUE CHIP GROWTH FUND	EQUITY	NORTHERN TRUST CORP	72,191.00	700	0.02	0	
MML BLUE CHIP GROWTH FUND	EQUITY	ROYAL CARIBBEAN CRUISES LTD	2,166,416.00	18,400	0.57	0	
MML BLUE CHIP GROWTH FUND	EQUITY	SEMPRA ENERGY	817,911.88	7,354	0.22	0	
MML BLUE CHIP GROWTH FUND	EQUITY	PROGRESSIVE CORP	1,176,375.51	19,307	0.31	0	
MML BLUE CHIP GROWTH FUND	EQUITY	AMAZON.COM INC	37,396,370.92	25,838	9.91	0	
MML BLUE CHIP GROWTH FUND	EQUITY	CINTAS CORP	648,204.00	3,800	0.17	0	
MML BLUE CHIP GROWTH FUND	EQUITY	ROPER TECHNOLOGIES INC	2,454,353.36	8,744	0.65	0	
MML BLUE CHIP GROWTH FUND	EQUITY	ALASKA AIR GROUP INC	854,738.20	13,795	0.23	0	
MML BLUE CHIP GROWTH FUND	EQUITY	CSX CORP	622,280.70	11,170	0.16	0	
MML BLUE CHIP GROWTH FUND	EQUITY	HUMANA INC	2,336,670.36	8,692	0.62	0	
MML BLUE CHIP GROWTH FUND	EQUITY	LAM RESEARCH CORP	325,056.00	1,600	0.09	0	
MML BLUE CHIP GROWTH FUND	EQUITY	NORTHROP GRUMMAN CORP	1,745,600.00	5,000	0.46	0	
MML BLUE CHIP GROWTH FUND	EQUITY	THERMO FISHER SCIENTIFIC INC	4,024,111.86	19,491	1.07	0	
MML BLUE CHIP GROWTH FUND	EQUITY	REGENERON PHARMACEUTICALS	68,872.00	200	0.02	0	
MML BLUE CHIP GROWTH FUND	EQUITY	ALEXION PHARMACEUTICALS INC	3,609,297.72	32,382	0.96	0	
MML BLUE CHIP GROWTH FUND	EQUITY	CELGENE CORP	98,844.68	1,108	0.03	0	
MML BLUE CHIP GROWTH FUND	EQUITY	COSTAR GROUP INC	682,201.08	1,881	0.18	0	
MML BLUE CHIP GROWTH FUND	EQUITY	INCYTE CORP	241,657.00	2,900	0.06	0	
MML BLUE CHIP GROWTH FUND	EQUITY	VERTEX PHARMACEUTICALS INC	6,570,701.68	40,316	1.74	0	
MML BLUE CHIP GROWTH FUND	EQUITY	BALL CORP	242,866.36	6,116	0.06	0	
MML BLUE CHIP GROWTH FUND	EQUITY	SYMANTEC CORP	343,805.00	13,300	0.09	0	
MML BLUE CHIP GROWTH FUND	EQUITY	BECTON DICKINSON AND CO	6,044,846.50	27,895	1.60	0	
MML BLUE CHIP GROWTH FUND	EQUITY	GENERAL DYNAMICS CORP	154,630.00	700	0.04	0	
MML BLUE CHIP GROWTH FUND	EQUITY	HONEYWELL INTERNATIONAL INC	2,745,690.00	19,000	0.73	0	
MML BLUE CHIP GROWTH FUND	EQUITY	APPLE INC	2,980,947.26	17,767	0.79	0	
MML BLUE CHIP GROWTH FUND	EQUITY	HOME DEPOT INC	3,114,922.24	17,476	0.83	0	
MML BLUE CHIP GROWTH FUND	EQUITY	MICROSOFT CORP	17,087,478.13	187,219	4.53	0	
MML BLUE CHIP GROWTH FUND	EQUITY	HARRIS CORP	1,290,240.00	8,000	0.34	0	
MML BLUE CHIP GROWTH FUND	CASH	US DOLLAR	45,656.38	45,656	0.01	0	
MML BLUE CHIP GROWTH FUND	EQUITY	ABBOTT LABORATORIES	77,896.00	1,300	0.02	0	
MML BLUE CHIP GROWTH FUND	EQUITY	LOWE S COS INC	36,767.25	419	0.01	0	
MML BLUE CHIP GROWTH FUND	EQUITY	MARSH + MCLENNAN COS	710,274.00	8,600	0.19	0	
MML BLUE CHIP GROWTH FUND	EQUITY	TEXAS INSTRUMENTS INC	2,161,223.67	20,803	0.57	0	
MML BLUE CHIP GROWTH FUND	EQUITY	TEXTRON INC	41,279.00	700	0.01	0	
MML BLUE CHIP GROWTH FUND	EQUITY	COSTCO WHOLESALE CORP	131,901.00	700	0.03	0	
MML BLUE CHIP GROWTH FUND	EQUITY	MCDONALD S CORP	890,584.10	5,695	0.24	0	
MML BLUE CHIP GROWTH FUND	EQUITY	STATE STREET CORP	3,206,020.31	32,147	0.85	0	

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

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	MARRIOTT INTERNATIONAL CL A	3,967,080.52	29,174	1.05		0
MML BLUE CHIP GROWTH FUND	EQUITY	SHERWIN WILLIAMS CO/THE	1,450,844.00	3,700	0.38		0
MML BLUE CHIP GROWTH FUND	EQUITY	CIGNA CORP	3,389,354.44	20,206	0.90		0
MML BLUE CHIP GROWTH FUND	EQUITY	ROSS STORES INC	2,904,910.96	37,252	0.77		0
MML BLUE CHIP GROWTH FUND	EQUITY	BOEING CO/THE	12,148,281.88	37,051	3.22		0
MML BLUE CHIP GROWTH FUND	EQUITY	FEDEX CORP	150,548.97	627	0.04		0
MML BLUE CHIP GROWTH FUND	EQUITY	FISERV INC	3,343,012.80	46,880	0.89		0
MML BLUE CHIP GROWTH FUND	EQUITY	MAXIM INTEGRATED PRODUCTS	1,053,850.00	17,500	0.28		0
MML BLUE CHIP GROWTH FUND	EQUITY	TJX COMPANIES INC	32,624.00	400	0.01		0
MML BLUE CHIP GROWTH FUND	EQUITY	ELECTRONIC ARTS INC	2,206,568.00	18,200	0.58		0
MML BLUE CHIP GROWTH FUND	EQUITY	SCHWAB (CHARLES) CORP	1,540,907.76	29,508	0.41		0
MML BLUE CHIP GROWTH FUND	EQUITY	UNITEDHEALTH GROUP INC	9,635,136.00	45,024	2.55		0
MML BLUE CHIP GROWTH FUND	EQUITY	DANAHER CORP	4,241,950.75	43,325	1.12		0
MML BLUE CHIP GROWTH FUND	EQUITY	AGILENT TECHNOLOGIES INC	173,940.00	2,600	0.05		0
MML BLUE CHIP GROWTH FUND	EQUITY	MICROCHIP TECHNOLOGY INC	1,233,360.00	13,500	0.33		0
MML BLUE CHIP GROWTH FUND	EQUITY	RAYMOND JAMES FINANCIAL INC	107,292.00	1,200	0.03		0
MML BLUE CHIP GROWTH FUND	EQUITY	ILLUMINA INC	147,998.92	626	0.04		0
MML BLUE CHIP GROWTH FUND	EQUITY	CONSTELLATION BRANDS INC A	638,176.00	2,800	0.17		0
MML BLUE CHIP GROWTH FUND	EQUITY	AETNA INC	903,305.00	5,345	0.24		0
MML BLUE CHIP GROWTH FUND	EQUITY	JPMORGAN CHASE + CO	3,376,079.00	30,700	0.90		0
MML BLUE CHIP GROWTH FUND	EQUITY	GLOBAL PAYMENTS INC	3,390,208.00	30,400	0.90		0
MML BLUE CHIP GROWTH FUND	EQUITY	RAYTHEON COMPANY	64,746.00	300	0.02		0
MML FOREIGN FUND	EQUITY	SEVEN + I HOLDINGS CO LTD	2,759,960.53	64,800	0.75		0
MML FOREIGN FUND	EQUITY	HANA FINANCIAL GROUP	3,408,027.18	79,353	0.93		0
MML FOREIGN FUND	EQUITY	INPEX CORP	3,795,176.95	304,100	1.04		0
MML FOREIGN FUND	EQUITY	TOTAL SA	2,924,261.19	51,453	0.80		0
MML FOREIGN FUND	EQUITY	SBM OFFSHORE NV	2,869,954.02	179,028	0.78		0
MML FOREIGN FUND	EQUITY	GALP ENERGIA SGPS SA	2,932,529.88	155,470	0.80		0
MML FOREIGN FUND	EQUITY	SHIRE PLC	4,467,687.46	89,624	1.22		0
MML FOREIGN FUND	EQUITY	HUSKY ENERGY INC	3,914,572.90	273,500	1.07		0
MML FOREIGN FUND	EQUITY	KB FINANCIAL GROUP INC ADR	3,645,353.04	62,916	0.99		0
MML FOREIGN FUND	EQUITY	SINOPHARM GROUP CO H	2,861,330.82	568,800	0.78		0
MML FOREIGN FUND	EQUITY	AIA GROUP LTD	4,142,090.91	485,200	1.13		0
MML FOREIGN FUND	EQUITY	ROLLS ROYCE HOLDINGS PLC	2,297,421.05	187,570	0.63		0
MML FOREIGN FUND	EQUITY	TELEFONICA DEUTSCHLAND HOLDI	3,704,525.09	788,417	1.01		0
MML FOREIGN FUND	EQUITY	SUNTORY BEVERAGE + FOOD LTD	6,259,978.44	129,100	1.71		0
MML FOREIGN FUND	EQUITY	VODAFONE GROUP PLC SP ADR	6,592,867.06	236,983	1.80		0
MML FOREIGN FUND	EQUITY	NN GROUP NV	2,824,097.90	63,590	0.77		0
MML FOREIGN FUND	EQUITY	UBS GROUP AG REG	5,391,802.70	306,210	1.47		0
MML FOREIGN FUND	EQUITY	CK HUTCHISON HOLDINGS LTD	5,118,668.13	425,754	1.40		0
MML FOREIGN FUND	EQUITY	ALAMOS GOLD INC CLASS A	1,595,354.10	306,210	0.44		0
MML FOREIGN FUND	EQUITY	JOHNSON MATTHEY PLC	4,124,088.51	96,470	1.13		0
MML FOREIGN FUND	EQUITY	ING GROEP NV	3,372,777.41	199,694	0.92		0
MML FOREIGN FUND	EQUITY	INNOGY SE	3,716,072.69	78,557	1.01		0
MML FOREIGN FUND	EQUITY	QIAGEN N.V.	2,634,814.66	81,562	0.72		0
MML FOREIGN FUND	EQUITY	BANK OF IRELAND GROUP PLC	3,371,685.62	384,672	0.92		0
MML FOREIGN FUND	EQUITY	WHEATON PRECIOUS METALS CORP	1,960,065.20	96,200	0.53		0
MML FOREIGN FUND	EQUITY	LANDIS GYR GROUP AG	1,978,640.22	25,523	0.54		0
MML FOREIGN FUND	EQUITY	CK ASSET HOLDINGS LTD	3,827,022.49	452,254	1.04		0
MML FOREIGN FUND	EQUITY	ARJO AB B SHARES	430,025.64	146,444	0.12		0
MML FOREIGN FUND	CASH EQUIVALENT	FIXED INC CLEARING CORP.REPO	7,599,161.98	7,599,162	2.07	0.74	4/2/2018
MML FOREIGN FUND	EQUITY	LIVANOVA PLC	4,171,005.00	47,130	1.14		0

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML FOREIGN FUND	EQUITY	KUNLUN ENERGY CO LTD	1,477,445.49	1,700,000	0.40		0
MML FOREIGN FUND	EQUITY	MORPHOSYS AG	2,081,549.81	20,350	0.57		0
MML FOREIGN FUND	EQUITY	TRAVIS PERKINS PLC	2,585,524.57	149,165	0.71		0
MML FOREIGN FUND	EQUITY	VEOLIA ENVIRONNEMENT	4,081,800.30	172,122	1.11		0
MML FOREIGN FUND	EQUITY	NETEASE INC ADR	2,046,847.00	7,300	0.56		0
MML FOREIGN FUND	CASH	SOUTH KOREAN WON	72,586.41	77,369,852	0.02		0
MML FOREIGN FUND	EQUITY	RYOHIN KEIKAKU CO LTD	5,028,822.09	15,100	1.37		0
MML FOREIGN FUND	CASH	POUND STERLING	308,836.44	220,126	0.08		0
MML FOREIGN FUND	CASH	JAPANESE YEN	72,375.55	7,701,120	0.02		0
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	15.21	127	0.00		0
MML FOREIGN FUND	EQUITY	BAE SYSTEMS PLC	4,897,921.12	599,614	1.34		0
MML FOREIGN FUND	EQUITY	BP PLC	10,385,023.44	1,542,293	2.83		0
MML FOREIGN FUND	EQUITY	CRH PLC	4,794,311.53	141,012	1.31		0
MML FOREIGN FUND	EQUITY	MICHELIN (CGDE)	4,054,978.23	27,433	1.11		0
MML FOREIGN FUND	EQUITY	MERCK KGAA	4,883,093.45	50,900	1.33		0
MML FOREIGN FUND	EQUITY	BAYER AG REG	6,310,609.01	55,810	1.72		0
MML FOREIGN FUND	EQUITY	HEIDELBERGCEMENT AG	4,521,765.09	46,022	1.23		0
MML FOREIGN FUND	EQUITY	AKZO NOBEL	3,042,395.17	32,182	0.83		0
MML FOREIGN FUND	EQUITY	SANOFI	5,961,553.30	74,190	1.63		0
MML FOREIGN FUND	EQUITY	SIEMENS AG REG	5,482,743.09	42,985	1.50		0
MML FOREIGN FUND	EQUITY	DBS GROUP HOLDINGS LTD	2,689,160.83	127,479	0.73		0
MML FOREIGN FUND	EQUITY	IHI CORP	2,772,478.86	88,700	0.76		0
MML FOREIGN FUND	EQUITY	PANASONIC CORP	4,933,817.67	345,400	1.35		0
MML FOREIGN FUND	EQUITY	mitsui fudosan co ltd	4,179,607.99	173,300	1.14		0
MML FOREIGN FUND	EQUITY	OMRON CORP	5,627,946.39	95,900	1.54		0
MML FOREIGN FUND	EQUITY	SOFTBANK GROUP CORP	5,489,817.39	73,700	1.50		0
MML FOREIGN FUND	EQUITY	SUMITOMO METAL MINING CO LTD	4,070,715.57	98,800	1.11		0
MML FOREIGN FUND	EQUITY	UNITED OVERSEAS BANK LTD	1,880,966.31	89,200	0.51		0
MML FOREIGN FUND	EQUITY	ASTELLAS PHARMA INC	4,081,806.94	265,800	1.11		0
MML FOREIGN FUND	EQUITY	INFINEON TECHNOLOGIES AG	6,476,889.20	241,765	1.77		0
MML FOREIGN FUND	EQUITY	HSBC HOLDINGS PLC	6,203,874.92	654,000	1.69		0
MML FOREIGN FUND	EQUITY	CHINA MOBILE LTD	3,966,337.56	433,500	1.08		0
MML FOREIGN FUND	EQUITY	BANGKOK BANK PCL FOREIGN REG	5,428,984.40	792,100	1.48		0
MML FOREIGN FUND	EQUITY	HYUNDAI MOBIS CO LTD	2,952,886.42	12,368	0.81		0
MML FOREIGN FUND	EQUITY	SAMSUNG ELECTRONICS CO LTD	10,966,659.89	4,706	2.99		0
MML FOREIGN FUND	EQUITY	TAIWAN SEMICONDUCTOR MANUFAC	5,450,208.74	641,275	1.49		0
MML FOREIGN FUND	EQUITY	TEVA PHARMACEUTICAL SP ADR	3,477,268.12	203,468	0.95		0
MML FOREIGN FUND	EQUITY	SUMITOMO RUBBER INDUSTRIES	2,243,783.44	121,700	0.61		0
MML FOREIGN FUND	EQUITY	TELENOR ASA	3,702,638.77	162,793	1.01		0
MML FOREIGN FUND	EQUITY	GLAXOSMITHKLINE PLC	3,859,345.96	198,649	1.05		0
MML FOREIGN FUND	EQUITY	STANDARD CHARTERED PLC	6,486,590.48	647,794	1.77		0
MML FOREIGN FUND	EQUITY	ROCHE HOLDING AG GENUSSSCHEIN	6,321,617.12	27,562	1.72		0
MML FOREIGN FUND	EQUITY	NOVARTIS AG REG	4,407,543.64	54,480	1.20		0
MML FOREIGN FUND	EQUITY	AXA SA	4,835,875.07	181,650	1.32		0
MML FOREIGN FUND	EQUITY	ENI SPA	6,182,182.71	350,704	1.69		0
MML FOREIGN FUND	EQUITY	CREDIT AGRICOLE SA	1,823,275.49	112,057	0.50		0
MML FOREIGN FUND	EQUITY	BNP PARIBAS	7,259,727.75	97,912	1.98		0
MML FOREIGN FUND	EQUITY	BARCLAYS PLC	5,827,332.77	1,995,343	1.59		0
MML FOREIGN FUND	EQUITY	COMPAGNIE DE SAINT GOBAIN	4,077,681.94	77,198	1.11		0

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML FOREIGN FUND	EQUITY	CHINA TELECOM CORP LTD H	4,894,587.77	11,037,643	1.34	0	
MML FOREIGN FUND	EQUITY	KINGFISHER PLC	4,107,383.36	998,111	1.12	0	
MML FOREIGN FUND	EQUITY	GETINGE AB B SHS	1,666,943.56	146,444	0.45	0	
MML FOREIGN FUND	EQUITY	CHINA LIFE INSURANCE CO H	3,475,728.04	1,251,000	0.95	0	
MML FOREIGN FUND	EQUITY	YARA INTERNATIONAL ASA	2,761,678.53	65,009	0.75	0	
MML FOREIGN FUND	EQUITY	SES	3,333,017.54	246,017	0.91	0	
MML FOREIGN FUND	EQUITY	SINGAPORE TELECOMMUNICATIONS	5,385,380.02	2,089,100	1.47	0	
MML FOREIGN FUND	EQUITY	LANXESS AG	4,579,611.67	59,730	1.25	0	
MML FOREIGN FUND	EQUITY	COBHAM PLC	2,932,878.70	1,698,528	0.80	0	
MML FOREIGN FUND	EQUITY	ROYAL DUTCH SHELL PLC B SHS	10,411,294.98	323,082	2.84	0	
MML FOREIGN FUND	EQUITY	ROYAL DUTCH SHELL PLC A SHS	75,217.23	2,397	0.02	0	
MML FOREIGN FUND	EQUITY	BAIDU INC SPON ADR	4,479,423.30	20,070	1.22	0	
MML GLOBAL FUND	EQUITY	KELLOGG CO	2,154,431.40	33,140	0.95	0	
MML GLOBAL FUND	EQUITY	SKY PLC	534,479.09	29,355	0.24	0	
MML GLOBAL FUND	EQUITY	EBAY INC	2,083,265.04	51,771	0.92	0	
MML GLOBAL FUND	EQUITY	THERMO FISHER SCIENTIFIC INC	6,707,885.40	32,490	2.96	0	
MML GLOBAL FUND	EQUITY	COGNIZANT TECH SOLUTIONS A	2,298,597.00	28,554	1.01	0	
MML GLOBAL FUND	EQUITY	COOPER COS INC/THE	2,038,925.91	8,911	0.90	0	
MML GLOBAL FUND	EQUITY	URBAN OUTFITTERS INC	791,978.88	21,428	0.35	0	
MML GLOBAL FUND	EQUITY	DIAGEO PLC	4,468,312.06	132,081	1.97	0	
MML GLOBAL FUND	EQUITY	CARLSBERG AS B	1,590,171.84	13,307	0.70	0	
MML GLOBAL FUND	EQUITY	AMPHENOL CORP CL A	1,210,901.67	14,059	0.53	0	
MML GLOBAL FUND	EQUITY	PERNOD RICARD SA	4,551,752.31	27,324	2.01	0	
MML GLOBAL FUND	EQUITY	MERCK KGAA	1,624,180.19	16,930	0.72	0	
MML GLOBAL FUND	EQUITY	SCHNEIDER ELECTRIC SE	3,399,246.84	38,645	1.50	0	
MML GLOBAL FUND	EQUITY	BAYER AG REG	5,869,058.61	51,905	2.59	0	
MML GLOBAL FUND	EQUITY	AKZO NOBEL	3,391,710.01	35,877	1.50	0	
MML GLOBAL FUND	EQUITY	HOYA CORP	1,245,832.17	24,600	0.55	0	
MML GLOBAL FUND	EQUITY	KUBOTA CORP	2,083,007.48	118,200	0.92	0	
MML GLOBAL FUND	EQUITY	SAMSUNG ELECTRONICS CO LTD	2,241,803.40	962	0.99	0	
MML GLOBAL FUND	EQUITY	KASIKORNBANK PCL FOREIGN	552,778.51	81,000	0.24	0	
MML GLOBAL FUND	EQUITY	FRANKLIN RESOURCES INC	1,553,178.48	44,786	0.69	0	
MML GLOBAL FUND	EQUITY	HONEYWELL INTERNATIONAL INC	5,523,027.69	38,219	2.44	0	
MML GLOBAL FUND	EQUITY	CISCO SYSTEMS INC	1,914,094.92	44,628	0.85	0	
MML GLOBAL FUND	EQUITY	WALT DISNEY CO/THE	4,098,454.20	40,805	1.81	0	
MML GLOBAL FUND	EQUITY	OMNICOM GROUP	1,204,069.23	16,569	0.53	0	
MML GLOBAL FUND	EQUITY	ORACLE CORP	3,307,450.50	72,294	1.46	0	
MML GLOBAL FUND	EQUITY	PRAXAIR INC	999,999.00	6,930	0.44	0	
MML GLOBAL FUND	EQUITY	WATERS CORP	1,980,341.85	9,969	0.87	0	
MML GLOBAL FUND	EQUITY	WW GRAINGER INC	822,252.51	2,913	0.36	0	
MML GLOBAL FUND	CASH	US DOLLAR	869.15	869	0.00	0	
MML GLOBAL FUND	EQUITY	ERSTE GROUP BANK AG	1,156,930.05	23,004	0.51	0	
MML GLOBAL FUND	CASH	SOUTH KOREAN WON	0.08	82	0.00	0	
MML GLOBAL FUND	CASH	THAILAND BAHT	187.16	5,853	0.00	0	
MML GLOBAL FUND	EQUITY	HERMES INTERNATIONAL	504,590.62	851	0.22	0	
MML GLOBAL FUND	EQUITY	STRYKER CORP	4,802,496.48	29,844	2.12	0	
MML GLOBAL FUND	EQUITY	CANADIAN NATL RAILWAY CO	3,910,187.97	53,469	1.73	0	
MML GLOBAL FUND	EQUITY	ABBOTT LABORATORIES	3,017,511.28	50,359	1.33	0	
MML GLOBAL FUND	EQUITY	JOHNSON + JOHNSON	881,800.15	6,881	0.39	0	
MML GLOBAL FUND	EQUITY	STATE STREET CORP	4,547,089.62	45,594	2.01	0	
MML GLOBAL FUND	EQUITY	UNITED TECHNOLOGIES CORP	2,419,015.32	19,226	1.07	0	
MML GLOBAL FUND	EQUITY	AMERICAN EXPRESS CO	3,278,232.32	35,144	1.45	0	

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML GLOBAL FUND	EQUITY	HARLEY DAVIDSON INC	847,437.44	19,763	0.37		0
MML GLOBAL FUND	EQUITY	UNITED PARCEL SERVICE CL B	3,513,645.52	33,572	1.55		0
MML GLOBAL FUND	EQUITY	GRUPO FINANCIERO BANORTE O	722,401.56	118,572	0.32		0
MML GLOBAL FUND	EQUITY	COLGATE PALMOLIVE CO	2,472,386.56	34,492	1.09		0
MML GLOBAL FUND	EQUITY	GOLDMAN SACHS GROUP INC	2,399,973.94	9,529	1.06		0
MML GLOBAL FUND	EQUITY	SCHLUMBERGER LTD	1,625,459.76	25,092	0.72		0
MML GLOBAL FUND	EQUITY	CHECK POINT SOFTWARE TECH	2,284,124.62	22,993	1.01		0
MML GLOBAL FUND	EQUITY	AUTOZONE INC	1,196,184.36	1,844	0.53		0
MML GLOBAL FUND	EQUITY	MICROCHIP TECHNOLOGY INC	1,049,635.04	11,489	0.46		0
MML GLOBAL FUND	EQUITY	NATIONAL OILWELL VARCO INC	634,162.68	17,228	0.28		0
MML GLOBAL FUND	EQUITY	LVMH MOET HENNESSY LOUIS VUI	4,963,211.81	16,094	2.19		0
MML GLOBAL FUND	EQUITY	KANSAS CITY SOUTHERN	3,489,055.70	31,762	1.54		0
MML GLOBAL FUND	EQUITY	MONSANTO CO	2,324,464.80	19,920	1.03		0
MML GLOBAL FUND	EQUITY	DEUTSCHE BOERSE AG	1,011,066.34	7,422	0.45		0
MML GLOBAL FUND	EQUITY	ROCHE HOLDING AG GENUSSCHEIN	3,400,260.28	14,825	1.50		0
MML GLOBAL FUND	EQUITY	ADECCO GROUP AG REG	1,512,582.59	21,229	0.67		0
MML GLOBAL FUND	EQUITY	NESTLE SA REG	5,298,923.02	66,934	2.34		0
MML GLOBAL FUND	EQUITY	ZIMMER BIOMET HOLDINGS INC	3,956,734.48	36,287	1.75		0
MML GLOBAL FUND	EQUITY	SONOVA HOLDING AG REG	756,440.04	4,759	0.33		0
MML GLOBAL FUND	EQUITY	3M CO	3,784,524.80	17,240	1.67		0
MML GLOBAL FUND	EQUITY	BURBERRY GROUP PLC	1,407,464.81	59,102	0.62		0
MML GLOBAL FUND	EQUITY	WYNN RESORTS LTD	671,631.88	3,683	0.30		0
MML GLOBAL FUND	EQUITY	COMCAST CORP CLASS A	5,186,425.11	151,783	2.29		0
MML GLOBAL FUND	EQUITY	HEINEKEN NV	2,344,442.98	21,784	1.03		0
MML GLOBAL FUND	EQUITY	MTU AERO ENGINES AG	1,631,177.87	9,677	0.72		0
MML GLOBAL FUND	EQUITY	LEGRAND SA	2,057,886.64	26,220	0.91		0
MML GLOBAL FUND	EQUITY	SALLY BEAUTY HOLDINGS INC	733,653.55	44,599	0.32		0
MML GLOBAL FUND	EQUITY	WHITBREAD PLC	1,272,293.54	24,444	0.56		0
MML GLOBAL FUND	EQUITY	DANONE	4,166,032.46	51,436	1.84		0
MML GLOBAL FUND	EQUITY	AIR LIQUIDE SA	2,133,210.86	17,397	0.94		0
MML GLOBAL FUND	EQUITY	BANK OF NEW YORK MELLON CORP	3,721,754.25	72,225	1.64		0
MML GLOBAL FUND	EQUITY	RECKITT BENCKISER GROUP PLC	4,951,549.71	58,433	2.19		0
MML GLOBAL FUND	EQUITY	VISA INC CLASS A SHARES	5,864,729.36	49,028	2.59		0
MML GLOBAL FUND	EQUITY	TIME WARNER INC	2,851,397.84	30,148	1.26		0
MML GLOBAL FUND	EQUITY	ACCENTURE PLC CL A	5,583,716.00	36,376	2.47		0
MML GLOBAL FUND	EQUITY	JULIUS BAER GROUP LTD	1,389,870.97	22,572	0.61		0
MML GLOBAL FUND	EQUITY	SANDS CHINA LTD	499,560.05	92,000	0.22		0
MML GLOBAL FUND	EQUITY	BRENNTAG AG	1,017,226.78	17,093	0.45		0
MML GLOBAL FUND	EQUITY	AON PLC	1,128,533.86	8,042	0.50		0
MML GLOBAL FUND	EQUITY	WPP PLC	3,340,140.69	210,151	1.47		0
MML GLOBAL FUND	EQUITY	COTY INC CL A	3,454,692.30	188,781	1.53		0
MML GLOBAL FUND	EQUITY	CIE FINANCIERE RICHEMONT REG	2,360,380.45	26,276	1.04		0
MML GLOBAL FUND	EQUITY	AMBEV SA	1,300,164.22	178,331	0.57		0
MML GLOBAL FUND	EQUITY	UBS GROUP AG REG	3,129,555.75	177,733	1.38		0
MML GLOBAL FUND	EQUITY	MEDTRONIC PLC	5,634,412.14	70,237	2.49		0
MML GLOBAL FUND	EQUITY	AENA SME SA	2,421,475.85	12,016	1.07		0
MML GLOBAL FUND	EQUITY	PAYPAL HOLDINGS INC	1,247,302.80	16,440	0.55		0
MML GLOBAL FUND	EQUITY	COMPASS GROUP PLC	2,298,683.31	112,492	1.01		0
MML GLOBAL FUND	EQUITY	ESSITY AKTIEBOLAG B	4,644,347.61	167,958	2.05		0
MML GLOBAL FUND	EQUITY	LINDE AG TENDER	2,862,409.59	13,597	1.26		0
MML GLOBAL FUND	EQUITY	APTIV PLC	1,241,071.82	14,606	0.55		0
MML GLOBAL FUND	CASH EQUIVALENT	FIXED INC CLEARING CORP.REPO	1,866,013.41	1,866,013	0.82	0.74	4/2/2018

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML GLOBAL FUND	EQUITY	NOW INC	102,935.84	10,072	0.05		0
MML MID CAP GROWTH FUND	EQUITY	ATLASSIAN CORP PLC CLASS A	3,019,520.00	56,000	0.64		0
MML MID CAP GROWTH FUND	EQUITY	FERRARI NV	964,160.00	8,000	0.20		0
MML MID CAP GROWTH FUND	EQUITY	WILLIS TOWERS WATSON PLC	7,000,740.00	46,000	1.48		0
MML MID CAP GROWTH FUND	EQUITY	DENTSPLY SIRONA INC	905,580.00	18,000	0.19		0
MML MID CAP GROWTH FUND	EQUITY	FORTIVE CORP	4,496,160.00	58,000	0.95		0
MML MID CAP GROWTH FUND	EQUITY	WASTE CONNECTIONS INC	4,950,060.00	69,000	1.05		0
MML MID CAP GROWTH FUND	EQUITY	IHS MARKIT LTD	2,797,920.00	58,000	0.59		0
MML MID CAP GROWTH FUND	EQUITY	VALVOLINE INC	3,784,230.00	171,000	0.80		0
MML MID CAP GROWTH FUND	EQUITY	ASHLAND GLOBAL HOLDINGS INC	348,950.00	5,000	0.07		0
MML MID CAP GROWTH FUND	EQUITY	CENTENNIAL RESOURCE DEVELO A	785,306.60	42,796	0.17		0
MML MID CAP GROWTH FUND	EQUITY	ENVISION HEALTHCARE CORP	3,851,915.76	100,232	0.81		0
MML MID CAP GROWTH FUND	EQUITY	CENTENNIAL RESOURCE DEVELOPMEN	664,343.40	36,204	0.14		0
MML MID CAP GROWTH FUND	EQUITY	ARDAGH GROUP SA	168,120.00	9,000	0.04		0
MML MID CAP GROWTH FUND	EQUITY	GARDNER DENVER HOLDINGS INC	1,595,360.00	52,000	0.34		0
MML MID CAP GROWTH FUND	EQUITY	VENTURE GLOBAL LNG INC SR C PP	498,300.00	165	0.11		0
MML MID CAP GROWTH FUND	EQUITY	BLACK KNIGHT INC	3,344,100.00	71,000	0.71		0
MML MID CAP GROWTH FUND	EQUITY	ZOETIS INC	801,528.98	9,598	0.17		0
MML MID CAP GROWTH FUND	EQUITY	TABLEAU SOFTWARE INC CL A	2,262,960.00	28,000	0.48		0
MML MID CAP GROWTH FUND	EQUITY	HD SUPPLY HOLDINGS INC	4,097,520.00	108,000	0.87		0
MML MID CAP GROWTH FUND	EQUITY	SPROUTS FARMERS MARKET INC	2,018,420.00	86,000	0.43		0
MML MID CAP GROWTH FUND	EQUITY	BURLINGTON STORES INC	3,062,450.00	23,000	0.65		0
MML MID CAP GROWTH FUND	EQUITY	VEEVA SYSTEMS INC CLASS A	1,387,380.00	19,000	0.29		0
MML MID CAP GROWTH FUND	EQUITY	ALLEGION PLC	3,923,340.00	46,000	0.83		0
MML MID CAP GROWTH FUND	EQUITY	ARAMARK	2,967,000.00	75,000	0.63		0
MML MID CAP GROWTH FUND	EQUITY	FNF GROUP	6,523,260.00	163,000	1.38		0
MML MID CAP GROWTH FUND	EQUITY	SERVICEMASTER GLOBAL HOLDING	3,030,965.10	59,606	0.64		0
MML MID CAP GROWTH FUND	EQUITY	MICHAELS COS INC/THE	1,182,600.00	60,000	0.25		0
MML MID CAP GROWTH FUND	EQUITY	SAGE THERAPEUTICS INC	487,236.75	3,025	0.10		0
MML MID CAP GROWTH FUND	EQUITY	CDK GLOBAL INC	2,280,240.00	36,000	0.48		0
MML MID CAP GROWTH FUND	EQUITY	KEYSIGHT TECHNOLOGIES IN	8,225,230.00	157,000	1.74		0
MML MID CAP GROWTH FUND	EQUITY	WEWORK COMPANIES, INC CLASS A	401,829.40	8,764	0.08		0
MML MID CAP GROWTH FUND	EQUITY	WEWORK INC SER D 1 CVT PRF STK	1,017,732.45	22,197	0.22		0
MML MID CAP GROWTH FUND	EQUITY	WEWORK INC SER D 2 CVT	799,624.00	17,440	0.17		0
MML MID CAP GROWTH FUND	EQUITY	QORVO INC	1,056,750.00	15,000	0.22		0
MML MID CAP GROWTH FUND	EQUITY	ZILLOW GROUP INC A	432,000.00	8,000	0.09		0
MML MID CAP GROWTH FUND	EQUITY	SHOPIFY INC CLASS A	996,720.00	8,000	0.21		0
MML MID CAP GROWTH FUND	EQUITY	BWX TECHNOLOGIES INC	1,778,840.00	28,000	0.38		0
MML MID CAP GROWTH FUND	EQUITY	TRANSUNION	3,690,700.00	65,000	0.78		0
MML MID CAP GROWTH FUND	EQUITY	ZILLOW GROUP INC C	430,400.00	8,000	0.09		0
MML MID CAP GROWTH FUND	EQUITY	MATCH GROUP INC	1,644,280.00	37,000	0.35		0
MML MID CAP GROWTH FUND	EQUITY	TREEHOUSE FOODS INC	1,951,770.00	51,000	0.41		0
MML MID CAP GROWTH FUND	EQUITY	TD AMERITRADE HOLDING CORP	7,581,440.00	128,000	1.60		0
MML MID CAP GROWTH FUND	EQUITY	FIDELITY NATIONAL INFO SERV	2,600,100.00	27,000	0.55		0
MML MID CAP GROWTH FUND	EQUITY	CONCHO RESOURCES INC	3,457,590.00	23,000	0.73		0
MML MID CAP GROWTH FUND	EQUITY	ATHENAHEALTH INC	1,001,210.00	7,000	0.21		0
MML MID CAP GROWTH FUND	EQUITY	ULTA BEAUTY INC	1,634,160.00	8,000	0.35		0
MML MID CAP GROWTH FUND	EQUITY	MSCI INC	597,880.00	4,000	0.13		0
MML MID CAP GROWTH FUND	EQUITY	FRANCO NEVADA CORP	2,120,090.00	31,000	0.45		0
MML MID CAP GROWTH FUND	EQUITY	COLFAX CORP	2,456,300.00	77,000	0.52		0
MML MID CAP GROWTH FUND	EQUITY	IAC/INTERACTIVECORP	5,160,540.00	33,000	1.09		0
MML MID CAP GROWTH FUND	EQUITY	MEDNAX INC	3,170,910.00	57,000	0.67		0

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

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	VERISK ANALYTICS INC	4,888,000.00	47,000	1.03	0	
MML MID CAP GROWTH FUND	EQUITY	DOLLAR GENERAL CORP	7,951,750.00	85,000	1.68	0	
MML MID CAP GROWTH FUND	EQUITY	KAR AUCTION SERVICES INC	3,360,400.00	62,000	0.71	0	
MML MID CAP GROWTH FUND	EQUITY	SS+C TECHNOLOGIES HOLDINGS	2,521,080.00	47,000	0.53	0	
MML MID CAP GROWTH FUND	EQUITY	CORELOGIC INC	3,527,940.00	78,000	0.75	0	
MML MID CAP GROWTH FUND	EQUITY	CBOE GLOBAL MARKETS INC	4,449,900.00	39,000	0.94	0	
MML MID CAP GROWTH FUND	EQUITY	UNITED CONTINENTAL HOLDINGS	2,709,330.00	39,000	0.57	0	
MML MID CAP GROWTH FUND	EQUITY	FLEETCOR TECHNOLOGIES INC	3,037,500.00	15,000	0.64	0	
MML MID CAP GROWTH FUND	EQUITY	O REILLY AUTOMOTIVE INC	3,710,700.00	15,000	0.78	0	
MML MID CAP GROWTH FUND	EQUITY	ARC RESOURCES LTD	893,608.10	82,000	0.19	0	
MML MID CAP GROWTH FUND	EQUITY	PVH CORP	1,817,160.00	12,000	0.38	0	
MML MID CAP GROWTH FUND	EQUITY	DUNKIN BRANDS GROUP INC	2,447,290.00	41,000	0.52	0	
MML MID CAP GROWTH FUND	EQUITY	ALKERMES PLC	5,158,440.00	89,000	1.09	0	
MML MID CAP GROWTH FUND	EQUITY	XYLEM INC	4,384,440.00	57,000	0.93	0	
MML MID CAP GROWTH FUND	EQUITY	ROOFOODS LTD (DELIVEROO) PP	677,087.64	1,915	0.14	0	
MML MID CAP GROWTH FUND	EQUITY	MAXAR TECHNOLOGIES LTD	1,156,250.00	25,000	0.24	0	
MML MID CAP GROWTH FUND	EQUITY	TAPESTRY INC	9,311,970.00	177,000	1.97	0	
MML MID CAP GROWTH FUND	EQUITY	IQVIA HOLDINGS INC	2,550,860.00	26,000	0.54	0	
MML MID CAP GROWTH FUND	EQUITY	APTIV PLC	1,869,340.00	22,000	0.40	0	
MML MID CAP GROWTH FUND	EQUITY	WORLDPAY INC CLASS A	6,332,480.00	77,000	1.34	0	
MML MID CAP GROWTH FUND	EQUITY	ADT INC	705,770.00	89,000	0.15	0	
MML MID CAP GROWTH FUND	EQUITY	DROPBOX INC CLASS A	144,937.50	4,638	0.03	0	
MML MID CAP GROWTH FUND	EQUITY	SENSATA TECHNOLOGIES HOLDING	7,567,180.00	146,000	1.60	0	
MML MID CAP GROWTH FUND	EQUITY	DROPBOX INC CL B LOCKUP SHS PP	1,565,958.22	50,111	0.33	0	
MML MID CAP GROWTH FUND	CASH EQUIVALENT	FIXED INC CLEARING CORP.REPO	25,701,274.48	25,701,274	5.43	0.74	4/2/2018
MML MID CAP GROWTH FUND	EQUITY	CSRA INC	3,999,310.00	97,000	0.85	0	
MML MID CAP GROWTH FUND	EQUITY	WEST PHARMACEUTICAL SERVICES	2,030,670.00	23,000	0.43	0	
MML MID CAP GROWTH FUND	EQUITY	CORNING INC	3,512,880.00	126,000	0.74	0	
MML MID CAP GROWTH FUND	EQUITY	CATALENT INC	3,818,580.00	93,000	0.81	0	
MML MID CAP GROWTH FUND	EQUITY	GARTNER INC	1,764,300.00	15,000	0.37	0	
MML MID CAP GROWTH FUND	EQUITY	NATIONAL INSTRUMENTS CORP	1,618,240.00	32,000	0.34	0	
MML MID CAP GROWTH FUND	EQUITY	ROYAL CARIBBEAN CRUISES LTD	1,766,100.00	15,000	0.37	0	
MML MID CAP GROWTH FUND	EQUITY	FIFTH THIRD BANCORP	2,413,000.00	76,000	0.51	0	
MML MID CAP GROWTH FUND	EQUITY	SEMPRA ENERGY	2,558,060.00	23,000	0.54	0	
MML MID CAP GROWTH FUND	EQUITY	PROGRESSIVE CORP	6,580,440.00	108,000	1.39	0	
MML MID CAP GROWTH FUND	EQUITY	RPM INTERNATIONAL INC	3,003,210.00	63,000	0.63	0	
MML MID CAP GROWTH FUND	CASH	CANADIAN DOLLAR	2,606.05	3,358	0.00	0	
MML MID CAP GROWTH FUND	EQUITY	TELEFLEX INC	10,964,140.00	43,000	2.32	0	
MML MID CAP GROWTH FUND	EQUITY	CASEY S GENERAL STORES INC	2,744,250.00	25,000	0.58	0	
MML MID CAP GROWTH FUND	EQUITY	ROPER TECHNOLOGIES INC	8,420,700.00	30,000	1.78	0	
MML MID CAP GROWTH FUND	CASH EQUIVALENT	ROWE T PRICE TREAS RES FD	8,580,211.21	8,580,211	1.81	0.01	9/19/2034
MML MID CAP GROWTH FUND	EQUITY	RED HAT INC	4,634,810.00	31,000	0.98	0	
MML MID CAP GROWTH FUND	EQUITY	COHERENT INC	1,686,600.00	9,000	0.36	0	
MML MID CAP GROWTH FUND	EQUITY	HOLOGIC INC	7,135,760.00	191,000	1.51	0	
MML MID CAP GROWTH FUND	EQUITY	HUNT (JB) TRANSPRT SVCS INC	937,200.00	8,000	0.20	0	
MML MID CAP GROWTH FUND	EQUITY	MICROSEMI CORP	1,747,440.00	27,000	0.37	0	
MML MID CAP GROWTH FUND	EQUITY	VAIL RESORTS INC	3,768,900.00	17,000	0.80	0	
MML MID CAP GROWTH FUND	EQUITY	ATMOS ENERGY CORP	1,600,560.00	19,000	0.34	0	
MML MID CAP GROWTH FUND	EQUITY	COOPER COS INC/THE	7,550,730.00	33,000	1.60	0	
MML MID CAP GROWTH FUND	EQUITY	COSTAR GROUP INC	2,973,976.00	8,200	0.63	0	
MML MID CAP GROWTH FUND	EQUITY	IDEXX LABORATORIES INC	1,148,340.00	6,000	0.24	0	
MML MID CAP GROWTH FUND	EQUITY	INCYTE CORP	1,583,270.00	19,000	0.33	0	

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

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	BALL CORP	5,519,690.00	139,000	1.17		0
MML MID CAP GROWTH FUND	EQUITY	SYMANTEC CORP	2,533,300.00	98,000	0.54		0
MML MID CAP GROWTH FUND	EQUITY	WEBSTER FINANCIAL CORP	1,329,600.00	24,000	0.28		0
MML MID CAP GROWTH FUND	EQUITY	CONAGRA BRANDS INC	2,028,400.00	55,000	0.43		0
MML MID CAP GROWTH FUND	EQUITY	HARRIS CORP	7,418,880.00	46,000	1.57		0
MML MID CAP GROWTH FUND	CASH	US DOLLAR	79,950.06	79,950	0.02		0
MML MID CAP GROWTH FUND	EQUITY	TEXTRON INC	10,378,720.00	176,000	2.19		0
MML MID CAP GROWTH FUND	EQUITY	MARRIOTT INTERNATIONAL CL A	6,255,080.00	46,000	1.32		0
MML MID CAP GROWTH FUND	EQUITY	AIR PRODUCTS + CHEMICALS INC	4,929,930.00	31,000	1.04		0
MML MID CAP GROWTH FUND	EQUITY	EQUIFAX INC	1,413,720.00	12,000	0.30		0
MML MID CAP GROWTH FUND	EQUITY	FISERV INC	5,490,870.00	77,000	1.16		0
MML MID CAP GROWTH FUND	EQUITY	MAXIM INTEGRATED PRODUCTS	2,348,580.00	39,000	0.50		0
MML MID CAP GROWTH FUND	EQUITY	XILINX INC	4,695,600.00	65,000	0.99		0
MML MID CAP GROWTH FUND	EQUITY	VERISIGN INC	448,986.72	3,787	0.09		0
MML MID CAP GROWTH FUND	EQUITY	ELECTRONIC ARTS INC	1,818,600.00	15,000	0.38		0
MML MID CAP GROWTH FUND	EQUITY	MGM RESORTS INTERNATIONAL	3,852,200.00	110,000	0.81		0
MML MID CAP GROWTH FUND	EQUITY	IDEX CORP	7,695,540.00	54,000	1.63		0
MML MID CAP GROWTH FUND	EQUITY	MARTIN MARIETTA MATERIALS	2,487,600.00	12,000	0.53		0
MML MID CAP GROWTH FUND	EQUITY	AGILENT TECHNOLOGIES INC	7,225,200.00	108,000	1.53		0
MML MID CAP GROWTH FUND	EQUITY	MICROCHIP TECHNOLOGY INC	9,592,800.00	105,000	2.03		0
MML MID CAP GROWTH FUND	EQUITY	MARVELL TECHNOLOGY GROUP LTD	3,507,000.00	167,000	0.74		0
MML MID CAP GROWTH FUND	EQUITY	KANSAS CITY SOUTHERN	2,965,950.00	27,000	0.63		0
MML MID CAP GROWTH FUND	EQUITY	ILLUMINA INC	1,418,520.00	6,000	0.30		0
MML MID CAP GROWTH FUND	EQUITY	GLOBAL PAYMENTS INC	5,576,000.00	50,000	1.18		0
MML MID CAP GROWTH FUND	EQUITY	SEATTLE GENETICS INC	1,465,520.00	28,000	0.31		0
MML MID CAP GROWTH FUND	EQUITY	ACUITY BRANDS INC	1,670,280.00	12,000	0.35		0
MML MID CAP GROWTH FUND	EQUITY	SLM CORP	1,524,560.00	136,000	0.32		0
MML MID CAP GROWTH FUND	EQUITY	CARMAX INC	3,158,940.00	51,000	0.67		0
MML MID CAP GROWTH FUND	EQUITY	AXIS CAPITAL HOLDINGS LTD	22,682.58	394	0.00		0
MML MID CAP GROWTH FUND	EQUITY	BRUKER CORP	4,622,640.00	154,500	0.98		0
MML MID CAP GROWTH FUND	EQUITY	ALNYLAM PHARMACEUTICALS INC	3,215,700.00	27,000	0.68		0
MML MID CAP GROWTH FUND	EQUITY	MARKETAXESS HOLDINGS INC	1,522,080.00	7,000	0.32		0
MML MID CAP GROWTH FUND	EQUITY	DEXCOM INC	2,002,320.00	27,000	0.42		0
MML MID CAP GROWTH FUND	EQUITY	ACADIA HEALTHCARE CO INC	2,115,720.00	54,000	0.45		0
MML MID CAP GROWTH FUND	EQUITY	EXPEDIA GROUP INC	2,870,660.00	26,000	0.61		0
MML MID CAP GROWTH FUND	EQUITY	GUIDEWIRE SOFTWARE INC	1,535,770.00	19,000	0.32		0
MML MID CAP GROWTH FUND	EQUITY	SPLUNK INC	1,180,680.00	12,000	0.25		0
MML MID CAP GROWTH FUND	EQUITY	TESARO INC	285,700.00	5,000	0.06		0
MML MID CAP GROWTH FUND	EQUITY	SERVICENOW INC	992,700.00	6,000	0.21		0
MML MID CAP GROWTH FUND	EQUITY	WORKDAY INC CLASS A	4,448,850.00	35,000	0.94		0
MML MID CAP GROWTH FUND	EQUITY	NORWEGIAN CRUISE LINE HOLDIN	6,939,070.00	131,000	1.47		0
MML MANAGED BOND FUND	FIXED INCOME	USF+G CAPITAL I	1,222,523.78	885,000	0.09	8.5	12/15/2045
MML MANAGED BOND FUND	FIXED INCOME	GNMA POOL 371146	176.79	167	0.00	7	9/15/2023
MML MANAGED BOND FUND	FIXED INCOME	FNMA POOL 532819	155.63	133	0.00	8	3/1/2030
MML MANAGED BOND FUND	FIXED INCOME	FNMA POOL 534703	3,303.68	2,828	0.00	8	5/1/2030
MML MANAGED BOND FUND	FIXED INCOME	WESTROCK MWV LLC	1,331,442.93	1,000,000	0.10	7.55	3/1/2047
MML MANAGED BOND FUND	FIXED INCOME	FNMA POOL 536386	548.80	477	0.00	7.5	4/1/2030
MML MANAGED BOND FUND	FIXED INCOME	SPRINT COMMUNICATIONS	2,907,000.00	2,550,000	0.22	9.25	4/15/2022
MML MANAGED BOND FUND	FIXED INCOME	FREDDIE MAC	62,334.93	56,812	0.00	7	8/15/2029
MML MANAGED BOND FUND	CASH	US DOLLAR	(6,920,383.03)	(6,920,383)	0.53	0	
MML MANAGED BOND FUND	CASH	EURO CURRENCY	0.52	0	0.00	0	
MML MANAGED BOND FUND	FIXED INCOME	PACIFIC GAS + ELECTRIC	624,447.63	543,000	0.05	5.8	3/1/2037

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

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	EXPEDIA INC	2,592,426.65	2,550,000	0.20	7.456	8/15/2018
MML MANAGED BOND FUND	FIXED INCOME	CHUBB CORP	373,887.80	374,000	0.03	3.97152	3/29/2067
MML MANAGED BOND FUND	FIXED INCOME	BURLINGTN NORTH SANTA FE	919,659.30	720,000	0.07	6.15	5/1/2037
MML MANAGED BOND FUND	FIXED INCOME	FED HM LN PC POOL C91026	52,638.47	48,447	0.00	5.5	4/1/2027
MML MANAGED BOND FUND	FIXED INCOME	NELNET STUDENT LOAN TRUST	305,576.70	322,500	0.02	2.594	3/22/2032
MML MANAGED BOND FUND	FIXED INCOME	KINDER MORGAN ENER PART	210,966.01	175,000	0.02	6.95	1/15/2038
MML MANAGED BOND FUND	FIXED INCOME	TIAA SEASONED COMMERCIAL MORTG	119,743.73	120,213	0.01	5.47658	8/15/2039
MML MANAGED BOND FUND	FIXED INCOME	COMCAST CORP	691,679.44	515,000	0.05	6.95	8/15/2037
MML MANAGED BOND FUND	FIXED INCOME	GOLDMAN SACHS GROUP INC	432,186.07	345,000	0.03	6.75	10/1/2037
MML MANAGED BOND FUND	FIXED INCOME	WACHOVIA BANK COMMERCIAL MORTG	787,342.65	779,620	0.06	6.0112	2/15/2051
MML MANAGED BOND FUND	FIXED INCOME	ACE SECURITIES CORP.	58,066.35	58,020	0.00	2.5315	11/25/2035
MML MANAGED BOND FUND	FIXED INCOME	VIRGINIA ELEC + POWER CO	836,553.68	640,000	0.06	6.35	11/30/2037
MML MANAGED BOND FUND	FIXED INCOME	ENCANA CORP	658,440.97	545,000	0.05	6.5	2/1/2038
MML MANAGED BOND FUND	FIXED INCOME	FED HM LN PC POOL C91128	2,903.42	2,672	0.00	5.5	12/1/2027
MML MANAGED BOND FUND	FIXED INCOME	FED HM LN PC POOL C91148	114,899.21	105,749	0.01	5.5	1/1/2028
MML MANAGED BOND FUND	FIXED INCOME	FANNIE MAE	818,897.95	763,628	0.06	5.5	4/25/2037
MML MANAGED BOND FUND	FIXED INCOME	UNITEDHEALTH GROUP INC	796,798.54	580,000	0.06	6.875	2/15/2038
MML MANAGED BOND FUND	FIXED INCOME	AAMES MORTGAGE INVESTMENT TRUS	325,434.59	326,543	0.03	3.5965	1/25/2035
MML MANAGED BOND FUND	FIXED INCOME	FED HM LN PC POOL C91176	41,751.92	38,427	0.00	5.5	5/1/2028
MML MANAGED BOND FUND	FIXED INCOME	ISRAEL ELECTRIC CORP LTD	1,273,900.00	1,250,000	0.10	7.25	1/15/2019
MML MANAGED BOND FUND	FIXED INCOME	BANK OF AMERICA CORP	553,815.07	400,000	0.04	7.75	5/14/2038
MML MANAGED BOND FUND	FIXED INCOME	UNITED TECHNOLOGIES CORP	431,853.93	350,000	0.03	6.125	7/15/2038
MML MANAGED BOND FUND	FIXED INCOME	TYCO ELECTRONICS GROUP S	465,957.07	335,000	0.04	7.125	10/1/2037
MML MANAGED BOND FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	3,338,351.20	3,400,000	0.26	1.9152	1/25/2041
MML MANAGED BOND FUND	EQUITY	SWAP BARCLAYS BANK BOC	(4,925,000.00)	(4,925,000)	0.38	0	
MML MANAGED BOND FUND	EQUITY	SWAP CREDIT SUISSE BOC	(5,050,000.00)	(5,050,000)	0.39	0	
MML MANAGED BOND FUND	FIXED INCOME	TIME WARNER CABLE LLC	340,322.08	325,000	0.03	8.75	2/14/2019
MML MANAGED BOND FUND	FIXED INCOME	FED HM LN PC POOL C91217	15,479.08	14,246	0.00	5.5	11/1/2028
MML MANAGED BOND FUND	FIXED INCOME	GENERAL ELECTRIC CO	385,985.52	298,000	0.03	6.875	1/10/2039
MML MANAGED BOND FUND	FIXED INCOME	US TREASURY N/B	10,107,062.96	9,200,000	0.78	3.5	2/15/2039
MML MANAGED BOND FUND	FIXED INCOME	FED HM LN PC POOL C91239	8,386.38	7,970	0.00	4.5	3/1/2029
MML MANAGED BOND FUND	FIXED INCOME	TIME WARNER CABLE LLC	78,708.44	75,000	0.01	8.25	4/1/2019
MML MANAGED BOND FUND	FIXED INCOME	CALIFORNIA ST	182,721.60	120,000	0.01	7.55	4/1/2039
MML MANAGED BOND FUND	FIXED INCOME	ENCANA CORP	834,585.75	805,000	0.06	6.5	5/15/2019
MML MANAGED BOND FUND	FIXED INCOME	FED HM LN PC POOL G05253	261,656.99	242,126	0.02	5	2/1/2039
MML MANAGED BOND FUND	FIXED INCOME	ONCOR ELECTRIC DELIVERY	731,112.85	495,000	0.06	7.5	9/1/2038
MML MANAGED BOND FUND	FIXED INCOME	FED HM LN PC POOL C91251	52,826.34	50,206	0.00	4.5	6/1/2029
MML MANAGED BOND FUND	FIXED INCOME	TIME WARNER CABLE LLC	1,121,376.07	985,000	0.09	6.75	6/15/2039
MML MANAGED BOND FUND	FIXED INCOME	CVS HEALTH CORP	664,232.84	560,000	0.05	6.125	9/15/2039
MML MANAGED BOND FUND	FIXED INCOME	CENTURYLINK INC	575,400.00	560,000	0.04	6.15	9/15/2019
MML MANAGED BOND FUND	FIXED INCOME	REPUBLIC OF COLOMBIA	2,973,450.00	2,580,000	0.23	6.125	1/18/2041
MML MANAGED BOND FUND	FIXED INCOME	MAJAPAHIT HOLDING BV	1,308,694.00	1,220,000	0.10	7.75	1/20/2020
MML MANAGED BOND FUND	FIXED INCOME	CISCO SYSTEMS INC	432,821.64	345,000	0.03	5.5	1/15/2040
MML MANAGED BOND FUND	FIXED INCOME	INCITEC PIVOT FIN LLC	1,211,176.59	1,160,000	0.09	6	12/10/2019
MML MANAGED BOND FUND	FIXED INCOME	CVS PASS THROUGH TRUST	1,220,737.08	1,030,017	0.09	7.507	1/10/2032
MML MANAGED BOND FUND	FIXED INCOME	GNMA II TBA 30 YR 4	14,134,571.00	13,750,000	1.09	4	4/19/2048
MML MANAGED BOND FUND	FIXED INCOME	BRAMBLES USA INC	508,997.25	490,000	0.04	5.35	4/1/2020
MML MANAGED BOND FUND	FIXED INCOME	KINDER MORGAN ENER PART	573,765.53	500,000	0.04	6.55	9/15/2040
MML MANAGED BOND FUND	FIXED INCOME	FANNIE MAE	556,384.78	526,824	0.04	5.5	5/25/2040
MML MANAGED BOND FUND	FIXED INCOME	CENOVUS ENERGY INC	633,631.32	550,000	0.05	6.75	11/15/2039
MML MANAGED BOND FUND	FIXED INCOME	BAYVIEW FINANCIAL ACQUISITION	86,586.91	86,449	0.01	2.398	6/28/2044
MML MANAGED BOND FUND	FIXED INCOME	HIGHWOODS REALTY LP	195,306.93	195,000	0.02	7.5	4/15/2018

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

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	FNMA POOL 253481	116.29	99	0.00	8	10/1/2030
MML MANAGED BOND FUND	FIXED INCOME	FED HM LN PC POOL C01079	2,102.89	1,825	0.00	7.5	10/1/2030
MML MANAGED BOND FUND	FIXED INCOME	FED HM LN PC POOL C01135	6,548.99	5,692	0.00	7.5	2/1/2031
MML MANAGED BOND FUND	FIXED INCOME	FNMA POOL 535996	8,231.15	7,145	0.00	7.5	6/1/2031
MML MANAGED BOND FUND	FIXED INCOME	FNMA POOL 602008	5,057.41	4,346	0.00	8	8/1/2031
MML MANAGED BOND FUND	FIXED INCOME	PROGRESS ENERGY INC	630,654.50	485,000	0.05	7	10/30/2031
MML MANAGED BOND FUND	FIXED INCOME	FNMA POOL 190317	4,304.90	3,681	0.00	8	8/1/2031
MML MANAGED BOND FUND	FIXED INCOME	FNMA POOL 597220	3,834.96	3,271	0.00	8	9/1/2031
MML MANAGED BOND FUND	FIXED INCOME	GOLDMAN SACHS GROUP INC	402,626.60	335,000	0.03	6.125	2/15/2033
MML MANAGED BOND FUND	FIXED INCOME	TRI STATE SERIES B PASS	556,376.16	480,000	0.04	7.144	7/31/2033
MML MANAGED BOND FUND	FIXED INCOME	FREDDIE MAC	2,601,731.12	2,443,933	0.20	5.5	10/15/2033
MML MANAGED BOND FUND	FIXED INCOME	COUNTRYWIDE HOME LOANS	19,047.21	18,646	0.00	3.71823	2/25/2034
MML MANAGED BOND FUND	FIXED INCOME	WAMU MORTGAGE PASS THROUGH CER	74,161.06	73,031	0.01	2.68253	4/25/2044
MML MANAGED BOND FUND	FIXED INCOME	ERAC USA FINANCE LLC	154,292.62	125,000	0.01	6.7	6/1/2034
MML MANAGED BOND FUND	FIXED INCOME	BANC OF AMERICA MORTGAGE SECUR	41,778.67	41,303	0.00	3.79954	8/25/2034
MML MANAGED BOND FUND	FIXED INCOME	UNITED MEXICAN STATES	851,920.80	685,000	0.07	6.75	9/27/2034
MML MANAGED BOND FUND	FIXED INCOME	XLIT LTD	2,993,084.03	2,590,000	0.23	6.375	11/15/2024
MML MANAGED BOND FUND	FIXED INCOME	MERRILL LYNCH MORTGAGE INVESTO	3,556.35	3,829	0.00	3.52401	2/25/2034
MML MANAGED BOND FUND	FIXED INCOME	FLORIDA POWER + LIGHT CO	717,195.09	630,000	0.06	4.95	6/1/2035
MML MANAGED BOND FUND	FIXED INCOME	COUNTRYWIDE PARTNERSHIP TRUST	528,675.76	541,680	0.04	2.7715	2/25/2035
MML MANAGED BOND FUND	FIXED INCOME	MORGAN STANLEY MORTGAGE LOAN T	239.66	224	0.00	3.49997	2/25/2034
MML MANAGED BOND FUND	FIXED INCOME	LONG BEACH MORTGAGE LOAN TRUST	131,620.41	131,559	0.01	2.6965	6/25/2035
MML MANAGED BOND FUND	FIXED INCOME	PETROLEOS MEXICANOS	144,645.20	140,000	0.01	6.625	6/15/2035
MML MANAGED BOND FUND	FIXED INCOME	GNMA II TBA 30 YR 4.5	4,680,351.45	4,500,000	0.36	4.5	4/19/2048
MML MANAGED BOND FUND	FIXED INCOME	FED HM LN PC POOL G11630	16,695.62	16,606	0.00	3.5	6/1/2019
MML MANAGED BOND FUND	FIXED INCOME	EMBARQ CORP	136,662.50	145,000	0.01	7.995	6/1/2036
MML MANAGED BOND FUND	FIXED INCOME	XCEL ENERGY INC	1,860,246.69	1,435,000	0.14	6.5	7/1/2036
MML MANAGED BOND FUND	FIXED INCOME	WACHOVIA BANK COMMERCIAL MORTG	346,043.25	344,799	0.03	5.99734	6/15/2045
MML MANAGED BOND FUND	FIXED INCOME	NEVADA POWER CO	735,407.48	550,000	0.06	6.65	4/1/2036
MML MANAGED BOND FUND	FIXED INCOME	GOLDMAN SACHS GROUP INC	1,575,977.92	1,410,000	0.12	5.95	1/15/2027
MML MANAGED BOND FUND	FIXED INCOME	VALE OVERSEAS LIMITED	741,006.00	630,000	0.06	6.875	11/21/2036
MML MANAGED BOND FUND	FIXED INCOME	COUNTRYWIDE HOME LOANS	6,776.47	7,277	0.00	3.88666	9/25/2033
MML MANAGED BOND FUND	FIXED INCOME	GSR MORTGAGE LOAN TRUST	7,530.53	7,524	0.00	3.59628	8/25/2034
MML MANAGED BOND FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	4,896,387.97	5,080,000	0.38	1.8952	3/25/2044
MML MANAGED BOND FUND	FIXED INCOME	BANK OF AMERICA CORP	1,864,908.56	1,550,000	0.14	6.11	1/29/2037
MML MANAGED BOND FUND	FIXED INCOME	KINDER MORGAN ENER PART	169,357.33	150,000	0.01	6.5	2/1/2037
MML MANAGED BOND FUND	FIXED INCOME	JP MORGAN CHASE COMMERCIAL MOR	467,828.96	468,899	0.04	5.466	6/12/2047
MML MANAGED BOND FUND	FIXED INCOME	ARCELORMITTAL	2,110,275.00	2,034,000	0.16	5.5	8/5/2020
MML MANAGED BOND FUND	FIXED INCOME	QEP RESOURCES INC	1,855,000.00	1,750,000	0.14	6.875	3/1/2021
MML MANAGED BOND FUND	FIXED INCOME	LENNAR CORP	45,225.00	45,000	0.00	6.95	6/1/2018
MML MANAGED BOND FUND	FIXED INCOME	SVB FINANCIAL GROUP	500,703.48	475,000	0.04	5.375	9/15/2020
MML MANAGED BOND FUND	FIXED INCOME	ASCIANO FINANCE LTD	624,069.55	610,000	0.05	4.625	9/23/2020
MML MANAGED BOND FUND	FIXED INCOME	PETROLEOS MEXICANOS	1,238,790.00	1,190,000	0.10	5.5	1/21/2021
MML MANAGED BOND FUND	FIXED INCOME	SLC STUDENT LOAN TRUST	375,407.22	378,000	0.03	2.02019	7/15/2036
MML MANAGED BOND FUND	FIXED INCOME	WELLS FARGO COMMERCIAL MORTGAG	83,414.85	82,890	0.01	3.349	11/15/2043
MML MANAGED BOND FUND	FIXED INCOME	NEW YORK CITY NY MUNI WTR FIN	139,701.45	105,000	0.01	5.882	6/15/2044
MML MANAGED BOND FUND	FIXED INCOME	CALIFORNIA ST	1,724,838.10	1,115,000	0.13	7.6	11/1/2040
MML MANAGED BOND FUND	FIXED INCOME	ORANGE CNTY CA LOCAL TRANSPRTN	1,846,570.50	1,350,000	0.14	6.908	2/15/2041
MML MANAGED BOND FUND	FIXED INCOME	KINDER MORGAN ENER PART	420,771.39	376,000	0.03	6.375	3/1/2041
MML MANAGED BOND FUND	FIXED INCOME	GSAMP TRUST	90,168.92	89,582	0.01	2.5165	4/25/2035
MML MANAGED BOND FUND	FIXED INCOME	MASTR ASSET BACKED SECURITIES	401,889.53	400,729	0.03	2.5915	3/25/2035
MML MANAGED BOND FUND	FIXED INCOME	WILLIS TOWERS WATSON PLC	1,798,594.60	1,690,000	0.14	5.75	3/15/2021

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

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	HOME DEPOT INC	767,796.64	600,000	0.06	5.95	4/1/2041
MML MANAGED BOND FUND	FIXED INCOME	TIME WARNER INC	245,201.55	210,000	0.02	6.25	3/29/2041
MML MANAGED BOND FUND	FIXED INCOME	ASCIANO FINANCE LTD	1,150,248.38	1,150,000	0.09	5	4/7/2018
MML MANAGED BOND FUND	FIXED INCOME	NORTH CAROLINA STATE EDUCATION	1,607,612.32	1,600,000	0.12	2.5452	7/25/2036
MML MANAGED BOND FUND	FIXED INCOME	PUGET ENERGY INC	1,704,283.29	1,580,000	0.13	6.5	12/15/2020
MML MANAGED BOND FUND	FIXED INCOME	JPMORGAN CHASE + CO	1,360,504.61	1,125,000	0.11	5.6	7/15/2041
MML MANAGED BOND FUND	FIXED INCOME	FED HM LN PC POOL D97258	30,684.46	28,241	0.00	5.5	4/1/2027
MML MANAGED BOND FUND	FIXED INCOME	XLIT LTD	1,360,122.75	1,260,000	0.11	5.75	10/1/2021
MML MANAGED BOND FUND	FIXED INCOME	NEWFIELD EXPLORATION CO	1,254,000.00	1,200,000	0.10	5.75	1/30/2022
MML MANAGED BOND FUND	FIXED INCOME	LEIDOS HOLDINGS INC	5,749,975.00	5,665,000	0.44	4.45	12/1/2020
MML MANAGED BOND FUND	FIXED INCOME	AMGEN INC	527,968.72	475,000	0.04	5.15	11/15/2041
MML MANAGED BOND FUND	FIXED INCOME	FNMA POOL AD0836	101,527.91	93,443	0.01	5.5	11/1/2028
MML MANAGED BOND FUND	FIXED INCOME	NISOURCE INC	1,109,785.34	950,000	0.09	5.8	2/1/2042
MML MANAGED BOND FUND	FIXED INCOME	MARATHON PETROLEUM CORP	1,367,020.78	1,120,000	0.11	6.5	3/1/2041
MML MANAGED BOND FUND	FIXED INCOME	CVS PASS THROUGH TRUST	1,284,890.21	1,169,259	0.10	5.926	1/10/2034
MML MANAGED BOND FUND	FIXED INCOME	GOLDMAN SACHS GROUP INC	1,027,952.92	950,000	0.08	5.75	1/24/2022
MML MANAGED BOND FUND	FIXED INCOME	SOUTH TEXAS HIGHER EDUCATION A	1,697,598.24	1,700,000	0.13	2.54465	10/1/2046
MML MANAGED BOND FUND	FIXED INCOME	ARCELORMITTAL	1,300,082.50	1,201,000	0.10	6.5	2/25/2022
MML MANAGED BOND FUND	FIXED INCOME	HUGHES SATELLITE SYSTEMS	1,158,750.00	1,125,000	0.09	6.5	6/15/2019
MML MANAGED BOND FUND	FIXED INCOME	UNITED MEXICAN STATES	4,597,007.50	4,727,000	0.36	4.75	3/8/2044
MML MANAGED BOND FUND	FIXED INCOME	PLAINS ALL AMER PIPELINE	1,178,691.55	1,195,000	0.09	3.65	6/1/2022
MML MANAGED BOND FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	5,280,125.00	5,300,000	0.41	2.4952	1/25/2040
MML MANAGED BOND FUND	FIXED INCOME	ERICSSON LM	3,052,919.16	3,075,000	0.24	4.125	5/15/2022
MML MANAGED BOND FUND	FIXED INCOME	KINROSS GOLD CORP	2,308,660.00	2,225,000	0.18	5.125	9/1/2021
MML MANAGED BOND FUND	FIXED INCOME	WESTERN GAS PARTNERS	2,039,293.18	2,044,000	0.16	4	7/1/2022
MML MANAGED BOND FUND	FIXED INCOME	CENOVUS ENERGY INC	1,228,885.25	1,275,000	0.09	3	8/15/2022
MML MANAGED BOND FUND	FIXED INCOME	GENERAL ELECTRIC CO	1,325,600.33	1,430,000	0.10	4.125	10/9/2042
MML MANAGED BOND FUND	FIXED INCOME	UNITEDHEALTH GROUP INC	343,665.20	350,000	0.03	3.95	10/15/2042
MML MANAGED BOND FUND	FIXED INCOME	KENNAMETAL INC	793,605.46	800,000	0.06	2.65	11/1/2019
MML MANAGED BOND FUND	FIXED INCOME	NATIONAL OILWELL VARCO I	1,272,879.90	1,451,000	0.10	3.95	12/1/2042
MML MANAGED BOND FUND	FIXED INCOME	ARL LLC	968,810.75	961,956	0.07	3.3375	12/15/2042
MML MANAGED BOND FUND	FIXED INCOME	FNMA POOL AB7397	184,371.08	187,402	0.01	3	12/1/2042
MML MANAGED BOND FUND	FIXED INCOME	TEVA PHARMA FIN IV LLC	1,231,935.78	1,300,000	0.10	2.25	3/18/2020
MML MANAGED BOND FUND	EQUITY	ALLSTATE CORP	2,537,450.00	95,000	0.20	0	
MML MANAGED BOND FUND	FIXED INCOME	JOBSOHIO BEVERAGE SYS STWD LIQ	4,309,252.50	3,950,000	0.33	4.532	1/1/2035
MML MANAGED BOND FUND	FIXED INCOME	QVC INC	562,129.42	545,000	0.04	5.125	7/2/2022
MML MANAGED BOND FUND	FIXED INCOME	FNMA POOL MA1368	293,220.85	298,041	0.02	3	3/1/2043
MML MANAGED BOND FUND	FIXED INCOME	FNMA POOL AO8180	40,072.05	40,718	0.00	3	9/1/2042
MML MANAGED BOND FUND	FIXED INCOME	FNMA POOL AR2174	309,863.15	314,957	0.02	3	4/1/2043
MML MANAGED BOND FUND	FIXED INCOME	CKE RESTAURANTS HOLDINGS INC	1,075,638.35	1,074,757	0.08	4.474	3/20/2043
MML MANAGED BOND FUND	FIXED INCOME	GOLDENTREE LOAN OPPORTUNITIES	1,918,496.35	1,918,345	0.15	2.8952	4/25/2025
MML MANAGED BOND FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	1,399,688.89	1,420,000	0.11	3.3715	6/25/2043
MML MANAGED BOND FUND	FIXED INCOME	OHA CREDIT PARTNERS LTD	1,574,836.69	1,574,330	0.12	2.8647	4/20/2025
MML MANAGED BOND FUND	FIXED INCOME	CONTINENTAL RESOURCES	1,542,156.25	1,525,000	0.12	4.5	4/15/2023
MML MANAGED BOND FUND	FIXED INCOME	CNH INDUSTRIAL CAPITAL L	655,163.75	655,000	0.05	3.625	4/15/2018
MML MANAGED BOND FUND	FIXED INCOME	FORD MOTOR CREDIT CO LLC	344,925.61	340,000	0.03	4.375	8/6/2023
MML MANAGED BOND FUND	FIXED INCOME	HILTON GRAND VACATIONS TRUST	506,078.27	511,486	0.04	2.28	1/25/2026
MML MANAGED BOND FUND	FIXED INCOME	ALLSTATE CORP	2,367,350.00	2,260,000	0.18	5.75	8/15/2053
MML MANAGED BOND FUND	FIXED INCOME	HYUNDAI CAPITAL AMERICA	799,984.37	800,000	0.06	2.875	8/9/2018
MML MANAGED BOND FUND	FIXED INCOME	PETROLEOS MEXICANOS	648,675.00	675,000	0.05	3.5	1/30/2023
MML MANAGED BOND FUND	FIXED INCOME	ALLY FINANCIAL INC	2,181,670.50	2,165,000	0.17	4.75	9/10/2018
MML MANAGED BOND FUND	FIXED INCOME	ASHLAND LLC	326,160.00	302,000	0.03	6.875	5/15/2043

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

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	VERIZON COMMUNICATIONS	1,085,501.86	885,000	0.08	6.55	9/15/2043
MML MANAGED BOND FUND	FIXED INCOME	NELNET STUDENT LOAN TRUST	1,943,465.84	1,939,508	0.15	2.2507	1/25/2037
MML MANAGED BOND FUND	FIXED INCOME	WELLS FARGO + COMPANY	1,003,622.97	909,000	0.08	5.375	11/2/2043
MML MANAGED BOND FUND	FIXED INCOME	GLOBAL SC FINANCE SRL	903,375.71	906,750	0.07	3.67	11/17/2028
MML MANAGED BOND FUND	FIXED INCOME	LAZARD GROUP LLC	3,813,212.65	3,710,000	0.29	4.25	11/14/2020
MML MANAGED BOND FUND	FIXED INCOME	WPP FINANCE 2010	1,306,980.98	1,205,000	0.10	5.625	11/15/2043
MML MANAGED BOND FUND	FIXED INCOME	ARCH CAPITAL GRP US INC	1,149,176.55	1,040,000	0.09	5.144	11/1/2043
MML MANAGED BOND FUND	FIXED INCOME	COMM MORTGAGE TRUST	1,476,755.75	1,410,000	0.11	4.236	2/10/2047
MML MANAGED BOND FUND	FIXED INCOME	LEGG MASON INC	1,297,508.31	1,195,000	0.10	5.625	1/15/2044
MML MANAGED BOND FUND	FIXED INCOME	WELLS FARGO + COMPANY	762,468.78	665,000	0.06	5.606	1/15/2044
MML MANAGED BOND FUND	FIXED INCOME	HYUNDAI CAPITAL AMERICA	1,042,117.35	1,045,000	0.08	2.55	2/6/2019
MML MANAGED BOND FUND	FIXED INCOME	HSBC HOLDINGS PLC	1,231,457.70	1,225,000	0.10	4.25	3/14/2024
MML MANAGED BOND FUND	FIXED INCOME	MCKESSON CORP	663,365.87	625,000	0.05	4.883	3/15/2044
MML MANAGED BOND FUND	FIXED INCOME	AXIS SPECIALTY FINAN PLC	588,708.75	590,000	0.05	2.65	4/1/2019
MML MANAGED BOND FUND	FIXED INCOME	LEAR CORP	561,092.73	535,000	0.04	5.375	3/15/2024
MML MANAGED BOND FUND	FIXED INCOME	FREDDIE MAC	1,716,934.66	1,693,518	0.13	3.5	12/15/2038
MML MANAGED BOND FUND	FIXED INCOME	SUNOCO LOGISTICS PARTNER	488,347.63	525,000	0.04	5.3	4/1/2044
MML MANAGED BOND FUND	FIXED INCOME	TURKIYE GARANTI BANKASI	3,029,372.36	3,010,000	0.23	4.75	10/17/2019
MML MANAGED BOND FUND	FIXED INCOME	PLAINS ALL AMER PIPELINE	602,647.29	675,000	0.05	4.7	6/15/2044
MML MANAGED BOND FUND	FIXED INCOME	GLENCORE FUNDING LLC	2,420,104.50	2,365,000	0.19	4.625	4/29/2024
MML MANAGED BOND FUND	FIXED INCOME	ADT CORP	4,809,052.50	4,613,000	0.37	6.25	10/15/2021
MML MANAGED BOND FUND	FIXED INCOME	ANTERO RESOURCES CORP	3,468,657.50	3,409,000	0.27	5.375	11/1/2021
MML MANAGED BOND FUND	FIXED INCOME	PENNSYLVANIA ELECTRIC CO	1,895,098.52	1,860,000	0.15	4.15	4/15/2025
MML MANAGED BOND FUND	FIXED INCOME	QVC INC	959,474.36	960,000	0.07	3.125	4/1/2019
MML MANAGED BOND FUND	FIXED INCOME	GNMA POOL 783896	4,987,184.59	4,925,235	0.39	3.5	5/15/2044
MML MANAGED BOND FUND	FIXED INCOME	DRUG ROYALTY II LP 1	259,556.88	263,071	0.02	3.484	7/15/2023
MML MANAGED BOND FUND	FIXED INCOME	MONSANTO CO	632,186.17	650,000	0.05	4.4	7/15/2044
MML MANAGED BOND FUND	FIXED INCOME	FS INVESTMENT CORP	3,110,464.23	3,095,000	0.24	4	7/15/2019
MML MANAGED BOND FUND	FIXED INCOME	AMERICAN INTL GROUP	1,159,763.94	1,175,000	0.09	4.5	7/16/2044
MML MANAGED BOND FUND	FIXED INCOME	GLOBAL SC FINANCE SRL	311,725.21	316,667	0.02	3.19	7/17/2029
MML MANAGED BOND FUND	FIXED INCOME	FREDDIE MAC	2,470,234.76	2,472,458	0.19	3	8/15/2043
MML MANAGED BOND FUND	FIXED INCOME	FANNIE MAE	1,316,496.98	1,291,513	0.10	3.5	5/25/2025
MML MANAGED BOND FUND	FIXED INCOME	SPIRE INC	1,982,830.75	1,840,000	0.15	4.7	8/15/2044
MML MANAGED BOND FUND	FIXED INCOME	MIRAMAX LLC	927,877.66	931,320	0.07	3.34	7/20/2026
MML MANAGED BOND FUND	FIXED INCOME	WENDYS FUNDING LLC	1,822,555.88	1,784,250	0.14	4.08	6/15/2045
MML MANAGED BOND FUND	FIXED INCOME	WENDYS FUNDING LLC	2,187,863.75	2,145,000	0.17	4.497	6/15/2045
MML MANAGED BOND FUND	FIXED INCOME	BLUEMOUNTAIN CLO LTD	2,601,570.54	2,595,000	0.20	3.16408	7/18/2027
MML MANAGED BOND FUND	FIXED INCOME	CNH INDUSTRIAL CAPITAL L	1,526,175.00	1,530,000	0.12	3.375	7/15/2019
MML MANAGED BOND FUND	FIXED INCOME	ARCELORMITTAL	2,229,950.00	2,165,000	0.17	5.125	6/1/2020
MML MANAGED BOND FUND	FIXED INCOME	REYNOLDS AMERICAN INC	889,076.80	760,000	0.07	5.85	8/15/2045
MML MANAGED BOND FUND	FIXED INCOME	NAVIENT STUDENT LOAN TRUST	926,532.06	940,000	0.07	3.3715	10/25/2058
MML MANAGED BOND FUND	FIXED INCOME	ENERGY TRANSFER PARTNERS	830,293.21	800,000	0.06	6.125	12/15/2045
MML MANAGED BOND FUND	FIXED INCOME	ENERGY NEW ORLEANS STORE RECO	515,873.87	524,434	0.04	2.67	6/1/2027
MML MANAGED BOND FUND	FIXED INCOME	DIAMOND RESORTS OWNER TRUST	503,029.87	509,599	0.04	2.73	7/20/2027
MML MANAGED BOND FUND	FIXED INCOME	SPIRIT AIR 2015 1 PTT A	1,749,822.49	1,753,329	0.14	4.1	10/1/2029
MML MANAGED BOND FUND	FIXED INCOME	AERCAP IRELAND CAP/GLOBA	1,854,042.77	1,810,000	0.14	4.5	5/15/2021
MML MANAGED BOND FUND	FIXED INCOME	GNMA II POOL 784026	1,733,091.38	1,713,149	0.13	3.5	12/20/2044
MML MANAGED BOND FUND	FIXED INCOME	MVV OWNER TRUST	610,949.98	617,494	0.05	2.52	12/20/2032
MML MANAGED BOND FUND	FIXED INCOME	HELMERICH + PAYNE INTL	970,773.90	935,000	0.08	4.65	3/15/2025
MML MANAGED BOND FUND	FIXED INCOME	FED HM LN PC POOL G60172	1,463,963.89	1,382,270	0.11	4.5	9/1/2043
MML MANAGED BOND FUND	FIXED INCOME	DRB PRIME STUDENT LOAN TRUST	205,736.81	199,513	0.02	3.5312	10/27/2031
MML MANAGED BOND FUND	FIXED INCOME	AUTORIDAD CANAL DE PANAM	1,127,437.50	1,050,000	0.09	4.95	7/29/2035

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

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	SBA TOWER TRUST	1,179,804.00	1,200,000	0.09	3.156	10/10/2045
MML MANAGED BOND FUND	FIXED INCOME	DOMINOS PIZZA MASTER ISSUER LL	2,859,552.89	2,849,250	0.22	3.484	10/25/2045
MML MANAGED BOND FUND	FIXED INCOME	DOMINOS PIZZA MASTER ISSUER LL	3,194,768.19	3,045,750	0.25	4.474	10/25/2045
MML MANAGED BOND FUND	FIXED INCOME	SIERRA RECEIVABLES FUNDING CO	191,079.46	192,189	0.01	3.08	9/20/2032
MML MANAGED BOND FUND	FIXED INCOME	BRAMBLES USA INC	780,688.26	772,000	0.06	4.125	10/23/2025
MML MANAGED BOND FUND	FIXED INCOME	MICROSOFT CORP	2,284,979.08	2,064,000	0.18	4.45	11/3/2045
MML MANAGED BOND FUND	FIXED INCOME	ALLY FINANCIAL INC	3,063,825.00	3,060,000	0.24	3.25	11/5/2018
MML MANAGED BOND FUND	FIXED INCOME	ARBYS FUNDING LLC	1,872,815.98	1,857,250	0.14	4.969	10/30/2045
MML MANAGED BOND FUND	FIXED INCOME	DIAMOND RESORTS OWNER TRUST	543,183.96	547,030	0.04	2.99	5/22/2028
MML MANAGED BOND FUND	FIXED INCOME	BLUE VIRGO	1,021,708.33	1,019,796	0.08	3	12/15/2022
MML MANAGED BOND FUND	FIXED INCOME	IPALCO ENTERPRISES INC	4,160,416.00	4,160,000	0.32	3.45	7/15/2020
MML MANAGED BOND FUND	FIXED INCOME	BUNGE LTD FINANCE CORP	958,273.65	955,000	0.07	3.5	11/24/2020
MML MANAGED BOND FUND	FIXED INCOME	DRB PRIME STUDENT LOAN TRUST	820,409.26	826,392	0.06	3.2	1/25/2040
MML MANAGED BOND FUND	FIXED INCOME	BANK OF NOVA SCOTIA	1,322,036.49	1,295,000	0.10	4.5	12/16/2025
MML MANAGED BOND FUND	FIXED INCOME	PUGET ENERGY INC	2,325,081.19	2,345,000	0.18	3.65	5/15/2025
MML MANAGED BOND FUND	FIXED INCOME	AMERICAN TOWER CORP	869,059.85	860,000	0.07	4.4	2/15/2026
MML MANAGED BOND FUND	FIXED INCOME	FREDDIE MAC STACR	25,023.38	25,007	0.00	3.0707	7/25/2028
MML MANAGED BOND FUND	FIXED INCOME	ANHEUSER BUSCH INBEV FIN	4,125,304.27	3,825,000	0.32	4.9	2/1/2046
MML MANAGED BOND FUND	FIXED INCOME	BM1058585 CDS USD R F 3.00000	2,165,786.55	2,540,000	0.17	3	5/11/2063
MML MANAGED BOND FUND	FIXED INCOME	BM1058585 CDS USD P V 01MEVENT	(2,540,000.00)	(2,540,000)	0.20	1	5/11/2063
MML MANAGED BOND FUND	FIXED INCOME	STANDARD INDUSTRIES INC	1,281,330.00	1,238,000	0.10	5.5	2/15/2023
MML MANAGED BOND FUND	FIXED INCOME	EXPRESS SCRIPTS HOLDING	1,201,423.11	1,180,000	0.09	4.5	2/25/2026
MML MANAGED BOND FUND	FIXED INCOME	DRB PRIME STUDENT LOAN TRUST	665,127.67	646,483	0.05	3.8715	4/25/2040
MML MANAGED BOND FUND	FIXED INCOME	ELEMENT RAIL LEASING LLC	1,164,020.91	1,160,389	0.09	3.968	3/19/2046
MML MANAGED BOND FUND	FIXED INCOME	TRINITY ACQUISITION PLC	1,537,926.21	1,540,000	0.12	3.5	9/15/2021
MML MANAGED BOND FUND	FIXED INCOME	TRINITY ACQUISITION PLC	450,924.47	445,000	0.03	4.4	3/15/2026
MML MANAGED BOND FUND	FIXED INCOME	FNMA POOL AL8173	1,753,196.64	1,624,094	0.14	5	2/1/2044
MML MANAGED BOND FUND	FIXED INCOME	OSCAR US FUNDING TRUST	337,629.01	336,283	0.03	3.2875	7/15/2020
MML MANAGED BOND FUND	FIXED INCOME	SOUTH CAROLINA STUDENT LOAN CO	1,828,228.68	1,800,000	0.14	2.66418	1/3/2033
MML MANAGED BOND FUND	FIXED INCOME	AMTRUST FINANCIAL SERVIC	2,926,049.64	3,030,000	0.23	6.125	8/15/2023
MML MANAGED BOND FUND	FIXED INCOME	AMER AIRLN 14 1 B PTT	203,612.14	202,902	0.02	4.375	4/1/2024
MML MANAGED BOND FUND	FIXED INCOME	MORGAN STANLEY	1,233,733.42	1,225,000	0.10	4.35	9/8/2026
MML MANAGED BOND FUND	FIXED INCOME	AMERICAN AIRLINES GROUP	8,544,325.65	8,351,000	0.66	5.5	10/1/2019
MML MANAGED BOND FUND	FIXED INCOME	EL PUERTO DE LIVERPOOL	2,518,475.00	2,620,000	0.19	3.95	10/2/2024
MML MANAGED BOND FUND	FIXED INCOME	ARES FINANCE CO LLC	2,020,879.56	2,080,000	0.16	4	10/8/2024
MML MANAGED BOND FUND	FIXED INCOME	CAPITAL AUTOMOTIVE REIT	887,416.20	900,000	0.07	3.66	10/15/2044
MML MANAGED BOND FUND	FIXED INCOME	PETROLEOS MEXICANOS	578,340.00	595,000	0.04	6.375	1/23/2045
MML MANAGED BOND FUND	FIXED INCOME	STANDARD INDUSTRIES INC	1,656,450.00	1,636,000	0.13	5.375	11/15/2024
MML MANAGED BOND FUND	FIXED INCOME	ASSOC BANC CORP	2,790,929.47	2,805,000	0.22	2.75	11/15/2019
MML MANAGED BOND FUND	FIXED INCOME	CRONOS CONTAINERS PROGRAM LTD	374,239.54	377,778	0.03	3.27	11/18/2029
MML MANAGED BOND FUND	FIXED INCOME	ASSOC BANC CORP	3,034,635.70	2,991,000	0.23	4.25	1/15/2025
MML MANAGED BOND FUND	FIXED INCOME	DIAMOND RESORTS OWNER TRUST	243,557.69	244,520	0.02	2.54	5/20/2027
MML MANAGED BOND FUND	FIXED INCOME	SABINE PASS LIQUEFACTION	1,480,022.09	1,375,000	0.11	5.75	5/15/2024
MML MANAGED BOND FUND	FIXED INCOME	ENTERGY LOUISIANA LLC	1,027,347.20	1,005,000	0.08	4.95	1/15/2045
MML MANAGED BOND FUND	FIXED INCOME	LENNAR CORP	3,415,425.00	3,390,000	0.26	4.5	11/15/2019
MML MANAGED BOND FUND	FIXED INCOME	ARES CAPITAL CORP	3,122,157.48	3,090,000	0.24	3.875	1/15/2020
MML MANAGED BOND FUND	FIXED INCOME	SPIRIT MASTER FUNDING, LLC	996,064.34	997,524	0.08	3.5014	1/20/2045
MML MANAGED BOND FUND	FIXED INCOME	DONG FANG CONTAINER FINANCE SP	331,118.78	333,333	0.03	1.95	11/25/2039
MML MANAGED BOND FUND	FIXED INCOME	BECTON DICKINSON AND CO	830,479.53	825,000	0.06	4.685	12/15/2044
MML MANAGED BOND FUND	FIXED INCOME	INGRAM MICRO INC	1,246,924.62	1,288,000	0.10	5.45	12/15/2024
MML MANAGED BOND FUND	FIXED INCOME	SVB FINANCIAL GROUP	2,892,248.74	2,960,000	0.22	3.5	1/29/2025
MML MANAGED BOND FUND	FIXED INCOME	AFFILIATED MANAGERS GROU	2,039,451.56	2,080,000	0.16	3.5	8/1/2025

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

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	PHILLIPS 66 PARTNERS LP	173,615.42	178,000	0.01	4.68	2/15/2045
MML MANAGED BOND FUND	FIXED INCOME	WESTGATE RESORTS	635,972.19	637,935	0.05	2.75	5/20/2027
MML MANAGED BOND FUND	FIXED INCOME	ARROW ELECTRONICS INC	1,667,114.70	1,680,000	0.13	3.5	4/1/2022
MML MANAGED BOND FUND	FIXED INCOME	ELEMENT RAIL LEASING LLC	412,544.93	417,428	0.03	2.707	2/19/2045
MML MANAGED BOND FUND	FIXED INCOME	ALLERGAN FUNDING SCS	1,245,923.35	1,270,000	0.10	4.75	3/15/2045
MML MANAGED BOND FUND	FIXED INCOME	VERIZON COMMUNICATIONS	2,248,446.87	2,228,000	0.17	4.862	8/21/2046
MML MANAGED BOND FUND	FIXED INCOME	OSCAR US FUNDING TRUST	2,237,249.25	2,250,000	0.17	2.44	6/15/2022
MML MANAGED BOND FUND	FIXED INCOME	XLIT LTD	1,811,663.26	1,800,000	0.14	4.45	3/31/2025
MML MANAGED BOND FUND	FIXED INCOME	321 HENDERSON RECEIVABLES LLC	1,156,753.96	1,205,822	0.09	3.26	9/15/2072
MML MANAGED BOND FUND	FIXED INCOME	AT+T INC	1,243,192.69	1,280,000	0.10	4.75	5/15/2046
MML MANAGED BOND FUND	FIXED INCOME	CROWN CASTLE TOWERS LLC	1,686,179.00	1,700,000	0.13	3.222	5/15/2042
MML MANAGED BOND FUND	FIXED INCOME	EDUCATIONAL SERVICES OF AMERIC	1,025,930.95	1,100,000	0.08	3.3715	10/25/2056
MML MANAGED BOND FUND	FIXED INCOME	ABBVIE INC	1,093,092.36	1,060,000	0.08	4.7	5/14/2045
MML MANAGED BOND FUND	FIXED INCOME	COMM MORTGAGE TRUST	972,040.90	1,000,000	0.08	4.2537	5/10/2048
MML MANAGED BOND FUND	FIXED INCOME	AVERY POINT CLO LTD	3,831,517.80	3,825,000	0.30	3.23698	8/5/2027
MML MANAGED BOND FUND	FIXED INCOME	ENLINK MIDSTREAM PARTNER	680,351.57	700,000	0.05	4.15	6/1/2025
MML MANAGED BOND FUND	FIXED INCOME	CNO FINANCIAL GROUP INC	1,612,012.50	1,602,000	0.12	4.5	5/30/2020
MML MANAGED BOND FUND	FIXED INCOME	CNO FINANCIAL GROUP INC	2,309,395.00	2,321,000	0.18	5.25	5/30/2025
MML MANAGED BOND FUND	FIXED INCOME	EARNST STUDENT LOAN PROGRAM L	1,112,849.12	1,126,440	0.09	3.02	5/25/2034
MML MANAGED BOND FUND	FIXED INCOME	DRB PRIME STUDENT LOAN TRUST	1,565,881.58	1,589,754	0.12	2.89	6/25/2040
MML MANAGED BOND FUND	FIXED INCOME	DELL INT LLC / EMC CORP	524,460.64	487,000	0.04	6.02	6/15/2026
MML MANAGED BOND FUND	FIXED INCOME	DELL INT LLC / EMC CORP	2,988,456.31	2,975,000	0.23	3.48	6/1/2019
MML MANAGED BOND FUND	FIXED INCOME	DRIVE AUTO RECEIVABLES TRUST	106,730.25	106,728	0.01	2.56	6/15/2020
MML MANAGED BOND FUND	FIXED INCOME	SOCIAL PROFESSIONAL LOAN PROGR	1,536,173.40	1,514,884	0.12	3.0715	6/25/2033
MML MANAGED BOND FUND	FIXED INCOME	SOCIAL PROFESSIONAL LOAN PROGR	2,275,472.34	2,300,000	0.18	2.74	10/25/2032
MML MANAGED BOND FUND	FIXED INCOME	BAXALTA INC	966,426.53	885,000	0.07	5.25	6/23/2045
MML MANAGED BOND FUND	FIXED INCOME	FLIR SYSTEMS INC	1,223,269.22	1,235,000	0.09	3.125	6/15/2021
MML MANAGED BOND FUND	FIXED INCOME	REINSURANCE GRP OF AMER	2,236,900.29	2,260,000	0.17	3.95	9/15/2026
MML MANAGED BOND FUND	FIXED INCOME	VALE OVERSEAS LIMITED	3,029,812.50	2,825,000	0.23	5.875	6/10/2021
MML MANAGED BOND FUND	FIXED INCOME	OXFORD FINANCE FUNDING TRUST	1,396,732.68	1,400,000	0.11	3.968	6/17/2024
MML MANAGED BOND FUND	FIXED INCOME	WESTJET AIRLINES LTD	731,993.00	735,000	0.06	3.5	6/16/2021
MML MANAGED BOND FUND	FIXED INCOME	SOFI CONSUMER LOAN PROGRAM TRU	2,914,872.18	2,912,983	0.23	3.26	8/25/2025
MML MANAGED BOND FUND	FIXED INCOME	SBA TOWER TRUST	1,181,880.00	1,200,000	0.09	2.877	7/10/2046
MML MANAGED BOND FUND	FIXED INCOME	ELARA HGV TIMESHARE ISSUER	1,574,632.77	1,604,907	0.12	2.73	4/25/2028
MML MANAGED BOND FUND	FIXED INCOME	MOLSON COORS BREWING CO	586,024.30	620,000	0.05	4.2	7/15/2046
MML MANAGED BOND FUND	FIXED INCOME	FNMA POOL AS1304	1,782,545.83	1,743,321	0.14	3.5	12/1/2028
MML MANAGED BOND FUND	FIXED INCOME	EXPRESS SCRIPTS HOLDING	1,197,845.55	1,180,000	0.09	4.8	7/15/2046
MML MANAGED BOND FUND	FIXED INCOME	HEALTHCARE TRUST OF AMER	1,205,498.47	1,265,000	0.09	3.5	8/1/2026
MML MANAGED BOND FUND	FIXED INCOME	FED HM LN PC POOL Q41916	1,829,133.27	1,812,776	0.14	3.5	7/1/2046
MML MANAGED BOND FUND	FIXED INCOME	FED HM LN PC POOL Q42045	759,691.13	752,897	0.06	3.5	7/1/2046
MML MANAGED BOND FUND	FIXED INCOME	ENLINK MIDSTREAM PARTNER	960,821.52	951,000	0.07	4.85	7/15/2026
MML MANAGED BOND FUND	FIXED INCOME	COMCAST CORP	554,178.98	645,000	0.04	3.4	7/15/2046
MML MANAGED BOND FUND	FIXED INCOME	SMB PRIVATE EDUCATION LOAN TRU	1,538,879.90	1,575,000	0.12	2.43	2/17/2032
MML MANAGED BOND FUND	FIXED INCOME	NAVIENT STUDENT LOAN TRUST	2,764,544.97	2,754,038	0.21	2.5715	2/25/2070
MML MANAGED BOND FUND	FIXED INCOME	CITIGROUP INC	2,939,990.02	2,975,000	0.23	4.125	7/25/2028
MML MANAGED BOND FUND	FIXED INCOME	CPS AUTO TRUST	163,387.80	163,591	0.01	1.62	1/15/2020
MML MANAGED BOND FUND	FIXED INCOME	TEVA PHARMACEUTICALS NE	3,640,729.34	4,043,000	0.28	2.2	7/21/2021
MML MANAGED BOND FUND	FIXED INCOME	TEVA PHARMACEUTICALS NE	604,360.83	625,000	0.05	1.7	7/19/2019
MML MANAGED BOND FUND	FIXED INCOME	TEVA PHARMACEUTICALS NE	338,290.75	460,000	0.03	4.1	10/1/2046
MML MANAGED BOND FUND	FIXED INCOME	FANNIE MAE CAS	1,624,202.73	1,611,608	0.13	3.3215	1/25/2029
MML MANAGED BOND FUND	FIXED INCOME	MARLETTE FUNDING TRUST	349,171.31	348,808	0.03	3.06	1/17/2023
MML MANAGED BOND FUND	FIXED INCOME	KRAFT HEINZ FOODS CO	1,767,618.48	1,915,000	0.14	3	6/1/2026

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

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	DOLLAR TREE INC	3,074,064.63	2,945,000	0.24	5.75	3/1/2023
MML MANAGED BOND FUND	FIXED INCOME	FIRST REPUBLIC BANK	4,325,077.80	4,360,000	0.33	4.375	8/1/2046
MML MANAGED BOND FUND	FIXED INCOME	SOFI CONSUMER LOAN PROGRAM TRU	1,914,104.05	1,912,744	0.15	3.09	10/27/2025
MML MANAGED BOND FUND	FIXED INCOME	EARNEST STUDENT LOAN PROGRAM L	2,271,558.19	2,237,903	0.18	3.7215	10/27/2036
MML MANAGED BOND FUND	FIXED INCOME	NAVIENT STUDENT LOAN TRUST	2,817,414.61	2,749,642	0.22	3.1215	6/25/2065
MML MANAGED BOND FUND	FIXED INCOME	FANNIE MAE CAS	2,293,789.26	2,284,019	0.18	3.2215	1/25/2029
MML MANAGED BOND FUND	FIXED INCOME	WEINGARTEN REALTY INVEST	508,011.82	535,000	0.04	3.25	8/15/2026
MML MANAGED BOND FUND	FIXED INCOME	DUKE ENERGY CORP	1,113,930.41	1,235,000	0.09	3.75	9/1/2046
MML MANAGED BOND FUND	FIXED INCOME	BUNGE LTD FINANCE CORP	987,176.33	1,050,000	0.08	3.25	8/15/2026
MML MANAGED BOND FUND	FIXED INCOME	ECMC GROUP STUDENT LOAN TRUST	3,455,909.14	3,410,972	0.27	3.2215	7/26/2066
MML MANAGED BOND FUND	FIXED INCOME	MPLX LP	2,524,758.98	2,418,000	0.20	4.875	6/1/2025
MML MANAGED BOND FUND	FIXED INCOME	TCI SYMPHONY CLO	2,178,949.75	2,150,000	0.17	3.20152	10/13/2029
MML MANAGED BOND FUND	FIXED INCOME	FIRST INVESTORS AUTO OWNER TRU	2,937,489.62	2,990,000	0.23	2.21	7/15/2022
MML MANAGED BOND FUND	FIXED INCOME	FREDDIE MAC STACR	800,626.61	790,000	0.06	3.2215	3/25/2029
MML MANAGED BOND FUND	FIXED INCOME	FREDDIE MAC STACR	406,295.98	405,746	0.03	2.6715	3/25/2029
MML MANAGED BOND FUND	FIXED INCOME	SOCIAL PROFESSIONAL LOAN PROGR	1,267,751.68	1,300,000	0.10	2.34	4/25/2033
MML MANAGED BOND FUND	FIXED INCOME	ALM LOAN FUNDING	2,650,968.40	2,620,000	0.20	3.20152	10/15/2028
MML MANAGED BOND FUND	FIXED INCOME	VSE VOI MORTGAGE LLC	1,690,363.27	1,722,839	0.13	2.54	7/20/2033
MML MANAGED BOND FUND	FIXED INCOME	OSCAR US FUNDING TRUST	3,947,344.00	4,000,000	0.31	2.99	12/15/2023
MML MANAGED BOND FUND	FIXED INCOME	PITNEY BOWES INC	2,862,262.50	3,005,000	0.22	3.625	10/1/2021
MML MANAGED BOND FUND	FIXED INCOME	HERO FUNDING TRUST	1,546,054.01	1,556,809	0.12	3.08	9/20/2042
MML MANAGED BOND FUND	FIXED INCOME	SPRINGCASTLE SPV	1,158,226.07	1,159,879	0.09	3.05	4/25/2029
MML MANAGED BOND FUND	FIXED INCOME	HESS CORP	1,187,195.00	1,213,000	0.09	4.3	4/1/2027
MML MANAGED BOND FUND	FIXED INCOME	SHIRE ACQ INV IRELAND DA	1,035,828.86	1,085,000	0.08	2.875	9/23/2023
MML MANAGED BOND FUND	FIXED INCOME	MPLX LP	934,800.00	912,000	0.07	5.5	2/15/2023
MML MANAGED BOND FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	2,327,925.66	2,458,402	0.18	1.9552	10/25/2040
MML MANAGED BOND FUND	FIXED INCOME	APIDOS CLO	772,631.09	770,000	0.06	3.2047	10/20/2028
MML MANAGED BOND FUND	FIXED INCOME	DRB PRIME STUDENT LOAN TRUST	4,128,272.37	4,126,209	0.32	3.7715	10/25/2044
MML MANAGED BOND FUND	FIXED INCOME	SOFI CONSUMER LOAN PROGRAM TRU	1,268,042.06	1,269,614	0.10	3.05	12/26/2025
MML MANAGED BOND FUND	FIXED INCOME	NAVIENT STUDENT LOAN TRUST	7,328,242.35	7,050,000	0.57	3.1715	3/25/2066
MML MANAGED BOND FUND	FIXED INCOME	CNH INDUSTRIAL CAP LLC	3,277,900.80	3,280,000	0.25	3.875	10/15/2021
MML MANAGED BOND FUND	FIXED INCOME	ORANGE LAKE TIMESHARE TRUST	1,185,313.80	1,220,193	0.09	2.61	3/8/2029
MML MANAGED BOND FUND	FIXED INCOME	NEW RESIDENTIAL ADVANCE RECEIV	10,268,347.20	10,600,000	0.79	2.8332	10/16/2051
MML MANAGED BOND FUND	FIXED INCOME	FED HM LN PC POOL G60485	1,340,396.86	1,268,405	0.10	4.5	10/1/2041
MML MANAGED BOND FUND	FIXED INCOME	FNMA POOL AV1897	305,291.11	298,573	0.02	3.5	12/1/2028
MML MANAGED BOND FUND	FIXED INCOME	FED HM LN PC POOL G06057	1,127,179.68	1,066,324	0.09	4.5	10/1/2040
MML MANAGED BOND FUND	FIXED INCOME	AIRCATTLE LTD	1,804,687.50	1,750,000	0.14	5	4/1/2023
MML MANAGED BOND FUND	FIXED INCOME	ANDEAVOR LOGIS LP/CORP	683,817.60	652,000	0.05	6.25	10/15/2022
MML MANAGED BOND FUND	FIXED INCOME	FED HM LN PC POOL C03537	1,194,690.32	1,129,022	0.09	4.5	8/1/2040
MML MANAGED BOND FUND	FIXED INCOME	AMCOR FINANCE USA INC	2,993,599.12	3,105,000	0.23	3.625	4/28/2026
MML MANAGED BOND FUND	FIXED INCOME	ONDECK ASSET SECURITIZATION TR	870,458.40	870,000	0.07	4.21	5/17/2020
MML MANAGED BOND FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	5,065,488.81	5,100,000	0.39	2.2952	10/25/2064
MML MANAGED BOND FUND	FIXED INCOME	TACO BELL FUNDING, LLC	2,482,733.25	2,468,750	0.19	3.832	5/25/2046
MML MANAGED BOND FUND	FIXED INCOME	US TREASURY N/B	18,325,479.97	20,150,000	1.42	2.5	5/15/2046
MML MANAGED BOND FUND	FIXED INCOME	ENERGY TRANSFER PARTNERS	1,047,447.60	1,085,000	0.08	4.2	4/15/2027
MML MANAGED BOND FUND	FIXED INCOME	ACCESS GROUP INC	2,912,077.69	2,950,000	0.23	1.699	7/1/2039
MML MANAGED BOND FUND	FIXED INCOME	CCO HLDGS LLC/CAP CORP	1,174,407.80	1,237,000	0.09	5.125	5/1/2027
MML MANAGED BOND FUND	FIXED INCOME	PARK AEROSPACE HOLDINGS	2,081,862.50	2,125,000	0.16	5.25	8/15/2022
MML MANAGED BOND FUND	FIXED INCOME	PETROLEOS MEXICANOS	576,201.75	575,000	0.04	4.625	9/21/2023
MML MANAGED BOND FUND	FIXED INCOME	TECH DATA CORP	848,927.36	855,000	0.07	3.7	2/15/2022
MML MANAGED BOND FUND	FIXED INCOME	MOSAIC SOLAR LOANS LLC	529,350.34	518,857	0.04	4.45	6/20/2042
MML MANAGED BOND FUND	FIXED INCOME	FNMA POOL BF0105	2,193,091.23	2,131,964	0.17	4	6/1/2056

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

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	CROWN CASTLE INTL CORP	776,837.02	790,000	0.06	4	3/1/2027
MML MANAGED BOND FUND	FIXED INCOME	AT+T INC	685,502.80	648,000	0.05	5.25	3/1/2037
MML MANAGED BOND FUND	FIXED INCOME	AT+T INC	1,231,946.67	1,230,000	0.10	3.8	3/1/2024
MML MANAGED BOND FUND	FIXED INCOME	STANDARD INDUSTRIES INC	2,947,985.53	3,037,000	0.23	5	2/15/2027
MML MANAGED BOND FUND	FIXED INCOME	SOCIAL PROFESSIONAL LOAN PROGR	1,195,083.94	1,220,000	0.09	3.44	3/26/2040
MML MANAGED BOND FUND	FIXED INCOME	DISCOVER FINANCIAL SVS	1,735,934.25	1,750,000	0.13	4.1	2/9/2027
MML MANAGED BOND FUND	FIXED INCOME	MPLX LP	256,022.36	245,000	0.02	5.2	3/1/2047
MML MANAGED BOND FUND	FIXED INCOME	NAVIENT STUDENT LOAN TRUST	4,519,666.80	4,400,000	0.35	3.0215	7/26/2066
MML MANAGED BOND FUND	FIXED INCOME	SUTTONPARK STRUCTURED SETTLEME	1,958,451.01	2,025,793	0.15	4.19	1/15/2071
MML MANAGED BOND FUND	FIXED INCOME	RACE POINT CLO LTD	704,914.70	700,000	0.05	3.22494	2/20/2030
MML MANAGED BOND FUND	FIXED INCOME	BIRCHWOOD PARK CLO LTD	2,180,418.56	2,180,000	0.17	2.90019	7/15/2026
MML MANAGED BOND FUND	FIXED INCOME	SYMPHONY CLO LTD	2,900,681.50	2,900,000	0.22	2.91133	10/17/2026
MML MANAGED BOND FUND	FIXED INCOME	JP MORGAN MORTGAGE TRUST	3,187,974.82	3,270,465	0.25	3.5	1/25/2047
MML MANAGED BOND FUND	FIXED INCOME	SOFI CONSUMER LOAN PROGRAM TRU	2,371,686.97	2,363,480	0.18	3.28	2/25/2026
MML MANAGED BOND FUND	FIXED INCOME	FNMA POOL CA0181	10,381,667.84	10,113,040	0.80	4	8/1/2047
MML MANAGED BOND FUND	FIXED INCOME	AT+T INC	854,799.53	850,000	0.07	4.9	8/14/2037
MML MANAGED BOND FUND	FIXED INCOME	KIMCO REALTY CORP	923,851.73	960,000	0.07	3.3	2/1/2025
MML MANAGED BOND FUND	FIXED INCOME	GENERAL MOTORS CO	797,431.06	800,000	0.06	5.15	4/1/2038
MML MANAGED BOND FUND	FIXED INCOME	GENERAL MOTORS CO	1,286,874.69	1,315,000	0.10	4.2	10/1/2027
MML MANAGED BOND FUND	FIXED INCOME	TCP CAPITAL CORP	2,793,611.25	2,870,000	0.22	4.125	8/11/2022
MML MANAGED BOND FUND	FIXED INCOME	CENOVUS ENERGY INC	1,827,644.68	1,875,000	0.14	4.25	4/15/2027
MML MANAGED BOND FUND	FIXED INCOME	CNA FINANCIAL CORP	1,059,551.35	1,115,000	0.08	3.45	8/15/2027
MML MANAGED BOND FUND	FIXED INCOME	ARES CAPITAL CORP	3,011,977.11	3,100,000	0.23	3.5	2/10/2023
MML MANAGED BOND FUND	FIXED INCOME	MVW OWNER TRUST	449,390.52	459,582	0.03	2.42	12/20/2034
MML MANAGED BOND FUND	FIXED INCOME	FNMA POOL BH9008	355,968.19	346,757	0.03	4	8/1/2047
MML MANAGED BOND FUND	FIXED INCOME	AMAZON.COM INC	1,841,483.41	1,840,000	0.14	4.05	8/22/2047
MML MANAGED BOND FUND	FIXED INCOME	TRITON CONTAINER FINANCE LLC	3,223,881.04	3,252,114	0.25	3.62	8/20/2042
MML MANAGED BOND FUND	FIXED INCOME	FNMA POOL BH9011	340,729.79	331,913	0.03	4	9/1/2047
MML MANAGED BOND FUND	FIXED INCOME	ARROW ELECTRONICS INC	919,882.12	965,000	0.07	3.25	9/8/2024
MML MANAGED BOND FUND	FIXED INCOME	NAVIENT STUDENT LOAN TRUST	2,024,209.46	2,011,447	0.16	2.6715	7/26/2066
MML MANAGED BOND FUND	FIXED INCOME	DISCOVERY COMMUNICATIONS	991,641.23	995,000	0.08	5	9/20/2037
MML MANAGED BOND FUND	FIXED INCOME	DISCOVERY COMMUNICATIONS	1,486,828.39	1,550,000	0.11	3.95	3/20/2028
MML MANAGED BOND FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	14,993,752.13	15,050,000	1.16	2.3452	10/25/2065
MML MANAGED BOND FUND	FIXED INCOME	CBAM CLO MANAGEMENT	3,532,313.07	3,510,000	0.27	2.5989	10/17/2029
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	1,468,625.00	1,550,000	0.11	4.5	3/15/2023
MML MANAGED BOND FUND	FIXED INCOME	SUNOCO LOGISTICS PARTNER	1,302,575.55	1,375,000	0.10	4	10/1/2027
MML MANAGED BOND FUND	FIXED INCOME	GNMA II POOL BC4641	2,797,944.55	2,774,320	0.22	3.5	9/20/2047
MML MANAGED BOND FUND	FIXED INCOME	EQT CORP	3,907,922.48	4,085,000	0.30	3.9	10/1/2027
MML MANAGED BOND FUND	FIXED INCOME	RPM INTERNATIONAL INC	706,309.53	725,000	0.05	3.75	3/15/2027
MML MANAGED BOND FUND	FIXED INCOME	ECMC GROUP STUDENT LOAN TRUST	2,855,643.44	2,821,510	0.22	3.0715	12/27/2066
MML MANAGED BOND FUND	FIXED INCOME	ENSTAR GROUP LTD	924,144.89	920,000	0.07	4.5	3/10/2022
MML MANAGED BOND FUND	FIXED INCOME	BROOKFIELD FINANCE LLC	3,052,313.01	3,030,000	0.24	4	4/1/2024
MML MANAGED BOND FUND	FIXED INCOME	HOST HOTELS + RESORTS LP	1,654,316.56	1,675,000	0.13	3.875	4/1/2024
MML MANAGED BOND FUND	FIXED INCOME	NEUBERGER BERMAN GRP/FIN	1,166,922.92	1,150,000	0.09	4.5	3/15/2027
MML MANAGED BOND FUND	FIXED INCOME	FULTON FINANCIAL CORP	1,549,734.10	1,565,000	0.12	3.6	3/16/2022
MML MANAGED BOND FUND	FIXED INCOME	HUMANA INC	1,649,900.61	1,660,000	0.13	3.95	3/15/2027
MML MANAGED BOND FUND	FIXED INCOME	HUMANA INC	856,128.50	830,000	0.07	4.8	3/15/2047
MML MANAGED BOND FUND	FIXED INCOME	OSCAR US FUNDING TRUST	940,450.60	950,000	0.07	3.3	5/10/2024
MML MANAGED BOND FUND	FIXED INCOME	GENPACT LUXEMBOURG SARL	2,355,226.87	2,400,000	0.18	3.7	4/1/2022
MML MANAGED BOND FUND	FIXED INCOME	CAPITAL AUTOMOTIVE REIT	993,385.23	990,833	0.08	4.18	4/15/2047
MML MANAGED BOND FUND	FIXED INCOME	TAL ADVANTAGE LLC	2,543,796.82	2,473,709	0.20	4.5	4/20/2042

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

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	BANCO SANTANDER SA	1,792,917.77	1,800,000	0.14	4.25	4/11/2027
MML MANAGED BOND FUND	FIXED INCOME	SBA TOWER TRUST	1,902,636.07	1,930,000	0.15	3.168	4/9/2047
MML MANAGED BOND FUND	FIXED INCOME	BRE GRAND ISLANDER TIMESHARE I	1,064,231.59	1,086,372	0.08	2.94	5/25/2029
MML MANAGED BOND FUND	FIXED INCOME	HELIOS ISSUER, LLC	1,694,042.13	1,663,887	0.13	4.94	9/20/2049
MML MANAGED BOND FUND	FIXED INCOME	GLOBAL SC FINANCE SRL	1,698,332.60	1,699,647	0.13	3.85	4/15/2037
MML MANAGED BOND FUND	FIXED INCOME	BANK OF AMERICA CORP	1,174,123.78	1,150,000	0.09	4.244	4/24/2038
MML MANAGED BOND FUND	FIXED INCOME	SOCIAL PROFESSIONAL LOAN PROGR	2,100,000.00	1,200	0.16	0	3/25/2033
MML MANAGED BOND FUND	FIXED INCOME	GOODGREEN TRUST	1,196,119.44	1,234,067	0.09	3.74	10/15/2052
MML MANAGED BOND FUND	FIXED INCOME	FED HM LN PC POOL Q47730	1,649,697.27	1,595,175	0.13	4	4/1/2047
MML MANAGED BOND FUND	FIXED INCOME	FED HM LN PC POOL Q47742	1,423,956.98	1,376,895	0.11	4	4/1/2047
MML MANAGED BOND FUND	FIXED INCOME	AVERY POINT CLO LTD	1,250,567.50	1,250,000	0.10	2.85408	1/18/2025
MML MANAGED BOND FUND	FIXED INCOME	MID AMERICA APARTMENTS	1,079,182.81	1,115,000	0.08	3.6	6/1/2027
MML MANAGED BOND FUND	FIXED INCOME	SHERWIN WILLIAMS CO	696,792.81	700,000	0.05	4.5	6/1/2047
MML MANAGED BOND FUND	FIXED INCOME	FED HM LN PC POOL Q48208	1,200,442.69	1,142,386	0.09	4.5	5/1/2047
MML MANAGED BOND FUND	FIXED INCOME	QUALCOMM INC	1,356,519.88	1,400,000	0.10	4.3	5/20/2047
MML MANAGED BOND FUND	FIXED INCOME	BECTON DICKINSON AND CO	1,564,060.52	1,625,000	0.12	3.363	6/6/2024
MML MANAGED BOND FUND	FIXED INCOME	BECTON DICKINSON AND CO	1,646,136.97	1,705,000	0.13	3.7	6/6/2027
MML MANAGED BOND FUND	FIXED INCOME	ARROW ELECTRONICS INC	954,239.11	985,000	0.07	3.875	1/12/2028
MML MANAGED BOND FUND	FIXED INCOME	OPORTUN FUNDING LLC	1,848,993.54	1,880,000	0.14	3.23	6/8/2023
MML MANAGED BOND FUND	FIXED INCOME	UDR INC	1,380,601.42	1,435,000	0.11	3.5	7/1/2027
MML MANAGED BOND FUND	FIXED INCOME	TRITON CONTAINER FINANCE LLC	883,909.94	891,038	0.07	3.52	6/20/2042
MML MANAGED BOND FUND	FIXED INCOME	FED HM LN PC POOL Q48869	10,330,084.55	9,848,068	0.80	4.5	6/1/2047
MML MANAGED BOND FUND	FIXED INCOME	DOMINOS PIZZA MASTER ISSUER LL	790,990.18	776,100	0.06	4.118	7/25/2047
MML MANAGED BOND FUND	FIXED INCOME	BAIN CAPITAL CREDIT CLO, LIMIT	1,999,814.68	1,990,000	0.15	2.9947	7/20/2030
MML MANAGED BOND FUND	FIXED INCOME	SABINE PASS LIQUEFACTION	1,561,947.79	1,585,000	0.12	4.2	3/15/2028
MML MANAGED BOND FUND	FIXED INCOME	EDP FINANCE BV	2,621,451.24	2,665,000	0.20	3.625	7/15/2024
MML MANAGED BOND FUND	FIXED INCOME	LENDMARK FUNDING TRUST	1,261,028.59	1,270,000	0.10	2.83	12/22/2025
MML MANAGED BOND FUND	FIXED INCOME	MARLETTE FUNDING TRUST	996,100.70	1,000,000	0.08	3.19	7/15/2024
MML MANAGED BOND FUND	FIXED INCOME	KINROSS GOLD CORP	998,886.00	1,020,000	0.08	4.5	7/15/2027
MML MANAGED BOND FUND	FIXED INCOME	NABORS INDUSTRIES INC	1,383,318.15	1,415,000	0.11	5.5	1/15/2023
MML MANAGED BOND FUND	FIXED INCOME	DXC TECHNOLOGY CO	1,914,029.46	1,845,000	0.15	4.75	4/15/2027
MML MANAGED BOND FUND	FIXED INCOME	SOCIAL PROFESSIONAL LOAN PROGR	2,695,887.50	4,688,500	0.21	0.01	9/25/2040
MML MANAGED BOND FUND	FIXED INCOME	CHURCH + DWIGHT CO INC	491,565.04	520,000	0.04	3.15	8/1/2027
MML MANAGED BOND FUND	FIXED INCOME	DAE FUNDING LLC	1,022,775.00	1,049,000	0.08	4	8/1/2020
MML MANAGED BOND FUND	FIXED INCOME	TRIP RAIL MASTER FUNDING LLC	784,739.42	810,000	0.06	3.736	8/15/2047
MML MANAGED BOND FUND	FIXED INCOME	CARLYLE GLOBAL MARKET STRATEGI	4,025,620.00	4,000,000	0.31	3.05338	8/14/2030
MML MANAGED BOND FUND	FIXED INCOME	CROWN CASTLE INTL CORP	1,538,861.79	1,605,000	0.12	3.2	9/1/2024
MML MANAGED BOND FUND	FIXED INCOME	DRB PRIME STUDENT LOAN TRUST	1,149,031.28	1,186,758	0.09	3.02	8/25/2042
MML MANAGED BOND FUND	FIXED INCOME	HERO FUNDING TRUST	470,001.88	470,680	0.04	3.28	9/20/2048
MML MANAGED BOND FUND	FIXED INCOME	HERO FUNDING TRUST	387,178.85	378,390	0.03	4.07	9/20/2048
MML MANAGED BOND FUND	FIXED INCOME	ORANGE LAKE TIMESHARE TRUST	985,812.96	1,021,832	0.08	2.91	3/8/2029
MML MANAGED BOND FUND	FIXED INCOME	EARNST STUDENT LOAN PROGRAM L	1,519,300.62	1,549,640	0.12	2.72	1/25/2041
MML MANAGED BOND FUND	FIXED INCOME	GOODGREEN TRUST	2,586,239.03	2,653,853	0.20	3.23	10/15/2052
MML MANAGED BOND FUND	FIXED INCOME	FANNIE MAE CAS	2,154,460.70	2,137,709	0.17	3.1715	4/25/2029
MML MANAGED BOND FUND	FIXED INCOME	VELOCITY COMMERCIAL CAPITAL LO	1,599,808.73	1,611,945	0.12	2.99694	10/25/2046
MML MANAGED BOND FUND	FIXED INCOME	LAZARD GROUP LLC	1,218,612.56	1,253,000	0.09	3.625	3/1/2027
MML MANAGED BOND FUND	FIXED INCOME	FED HM LN PC POOL Q44275	1,516,934.15	1,503,369	0.12	3.5	11/1/2046
MML MANAGED BOND FUND	FIXED INCOME	FED HM LN PC POOL Q44277	439,667.65	436,412	0.03	3.5	11/1/2046
MML MANAGED BOND FUND	FIXED INCOME	BLACKBIRD CAPITAL AIRCRAFT	1,574,646.45	1,605,833	0.12	2.487	12/16/2041
MML MANAGED BOND FUND	FIXED INCOME	DIAMOND RESORTS OWNER TRUST	2,413,229.12	2,466,372	0.19	3.08	11/20/2028
MML MANAGED BOND FUND	FIXED INCOME	JPMORGAN CHASE + CO	1,184,216.79	1,235,000	0.09	3.625	12/1/2027
MML MANAGED BOND FUND	FIXED INCOME	PLAINS ALL AMER PIPELINE	1,348,973.92	1,360,000	0.10	4.5	12/15/2026

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

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	PENNSYLVANIA HIGHER EDUCATION	3,102,454.88	3,081,360	0.24	2.8215	11/25/2065
MML MANAGED BOND FUND	FIXED INCOME	SPS SERVICER ADVANCE RECEIVABL	4,496,000.44	4,490,000	0.35	2.75	11/15/2049
MML MANAGED BOND FUND	FIXED INCOME	SOCIAL PROFESSIONAL LOAN PROGR	1,576,131.72	1,610,000	0.12	2.49	1/25/2036
MML MANAGED BOND FUND	FIXED INCOME	SOFI CONSUMER LOAN PROGRAM TRU	6,235,741.59	6,245,518	0.48	3.06	9/25/2028
MML MANAGED BOND FUND	FIXED INCOME	ABBOTT LABORATORIES	827,824.67	755,000	0.06	4.9	11/30/2046
MML MANAGED BOND FUND	FIXED INCOME	BANK OF AMERICA CORP	2,493,231.92	2,515,000	0.19	4.183	11/25/2027
MML MANAGED BOND FUND	FIXED INCOME	NEW RESIDENTIAL ADVANCE RECEIV	2,986,640.70	3,000,000	0.23	3.1068	12/15/2050
MML MANAGED BOND FUND	FIXED INCOME	CHARTER COMM OPT LLC/CAP	1,613,953.09	1,580,000	0.12	4.464	7/23/2022
MML MANAGED BOND FUND	FIXED INCOME	CHARTER COMM OPT LLC/CAP	1,410,526.90	1,285,000	0.11	6.484	10/23/2045
MML MANAGED BOND FUND	FIXED INCOME	CHARTER COMM OPT LLC/CAP	1,564,391.74	1,560,000	0.12	3.579	7/23/2020
MML MANAGED BOND FUND	FIXED INCOME	AVNET INC	404,559.92	405,000	0.03	3.75	12/1/2021
MML MANAGED BOND FUND	FIXED INCOME	HERO FUNDING TRUST	1,691,365.07	1,717,138	0.13	3.57	9/20/2047
MML MANAGED BOND FUND	FIXED INCOME	FORD MOTOR COMPANY	518,284.90	530,000	0.04	5.291	12/8/2046
MML MANAGED BOND FUND	FIXED INCOME	TREMAN PARK CLO LTD	1,750,710.50	1,750,000	0.14	3.1147	4/20/2027
MML MANAGED BOND FUND	FIXED INCOME	LABRADOR AVIATION FINANCE LIMI	2,655,309.33	2,614,375	0.21	4.3	1/15/2042
MML MANAGED BOND FUND	FIXED INCOME	NELNET PRIVATE EDUCATION LOAN	1,047,766.33	1,079,375	0.08	3.6	12/26/2040
MML MANAGED BOND FUND	FIXED INCOME	FNMA POOL BF0094	7,002,050.38	6,806,884	0.54	4	5/1/2056
MML MANAGED BOND FUND	FIXED INCOME	PBF HOLDING CO LLC	1,216,125.00	1,175,000	0.09	7	11/15/2023
MML MANAGED BOND FUND	FIXED INCOME	BRECLAYS PLC	1,705,543.19	1,720,000	0.13	4.337	1/10/2028
MML MANAGED BOND FUND	FIXED INCOME	CREDIT SUISSE GROUP AG	1,328,113.26	1,325,000	0.10	4.282	1/9/2028
MML MANAGED BOND FUND	FIXED INCOME	FORD MOTOR CREDIT CO LLC	1,328,728.51	1,340,000	0.10	2.681	1/9/2020
MML MANAGED BOND FUND	FIXED INCOME	HIGH STREET FNDG TRUST I	6,183,142.35	6,150,000	0.48	4.111	2/15/2028
MML MANAGED BOND FUND	CASH EQUIVALENT	FORTIVE CORPORATION	994,761.86	1,000,000	0.08	0	6/14/2018
MML MANAGED BOND FUND	CASH EQUIVALENT	INTERPUBLIC GROUP COS	1,994,783.88	2,000,000	0.15	0	5/9/2018
MML MANAGED BOND FUND	CASH EQUIVALENT	COX ENTERPRISES INC	1,599,643.73	1,600,000	0.12	0	4/2/2018
MML MANAGED BOND FUND	CASH EQUIVALENT	PUBLIC SEVC. ENT. GR	2,986,131.00	3,000,000	0.23	0	6/6/2018
MML MANAGED BOND FUND	FIXED INCOME	SOCIAL PROFESSIONAL LOAN PROGR	1,794,789.57	3,324,300	0.14	0.01	8/26/2047
MML MANAGED BOND FUND	FIXED INCOME	AMERICAN INTL GROUP	1,545,503.52	1,525,000	0.12	4.2	4/1/2028
MML MANAGED BOND FUND	FIXED INCOME	AMERICAN INTL GROUP	1,225,730.00	1,210,000	0.09	5.75	4/1/2048
MML MANAGED BOND FUND	FIXED INCOME	AMERICAN INTL GROUP	520,151.06	505,000	0.04	4.75	4/1/2048
MML MANAGED BOND FUND	FIXED INCOME	FREDDIE MAC STACR	1,283,899.38	1,283,000	0.10	4.15382	9/25/2030
MML MANAGED BOND FUND	FIXED INCOME	NAVIENT STUDENT LOAN TRUST	3,489,958.12	3,490,000	0.27	2.72817	3/25/2067
MML MANAGED BOND FUND	CASH EQUIVALENT	HP INC	5,972,448.00	6,000,000	0.46	0	6/19/2018
MML MANAGED BOND FUND	FIXED INCOME	NELNET STUDENT LOAN TRUST	3,880,000.00	3,880,000	0.30	2.63688	5/25/2066
MML MANAGED BOND FUND	CASH EQUIVALENT	TELUS CORP	3,977,156.56	4,000,000	0.31	0	6/20/2018
MML MANAGED BOND FUND	FIXED INCOME	CRH AMERICA FINANCE INC	1,943,870.53	1,950,000	0.15	3.95	4/4/2028
MML MANAGED BOND FUND	FIXED INCOME	AMERICAN TOWER TRUST I	1,916,169.68	1,910,000	0.15	3.652	3/23/2048
MML MANAGED BOND FUND	FIXED INCOME	GNMA POOL 374440	473.14	439	0.00	7	11/15/2023
MML MANAGED BOND FUND	FIXED INCOME	FNMA POOL 529453	3,127.37	2,709	0.00	7.5	1/1/2030
MML MANAGED BOND FUND	FIXED INCOME	GNMA POOL 480539	499.30	439	0.00	7	4/15/2029
MML MANAGED BOND FUND	FIXED INCOME	GNMA POOL 500928	5,065.30	4,427	0.00	7	5/15/2029
MML MANAGED BOND FUND	FIXED INCOME	GNMA II POOL 080136	990.57	973	0.00	3.125	11/20/2027
MML MANAGED BOND FUND	FIXED INCOME	FNMA POOL 252926	275.39	236	0.00	8	12/1/2029
MML MANAGED BOND FUND	FIXED INCOME	GNMA POOL 352022	6,623.63	6,093	0.00	7	11/15/2023
MML MANAGED BOND FUND	FIXED INCOME	GNMA POOL 510083	1,383.35	1,214	0.00	7	7/15/2029
MML MANAGED BOND FUND	FIXED INCOME	FNMA POOL 531196	380.77	332	0.00	7.5	2/1/2030
MML MANAGED BOND FUND	FIXED INCOME	FNMA POOL 530299	418.60	373	0.00	7.5	3/1/2030
MML MANAGED BOND FUND	FIXED INCOME	GNMA II POOL 008746	4,976.98	4,902	0.00	3.125	11/20/2025
MML MANAGED BOND FUND	FIXED INCOME	GNMA POOL 493723	3,049.39	2,651	0.00	7	8/15/2029
MML MANAGED BOND FUND	FIXED INCOME	FNMA POOL 253437	202.05	173	0.00	8	9/1/2030
MML MANAGED BOND FUND	FIXED INCOME	FNMA POOL 575667	14,502.31	12,557	0.00	7	3/1/2031
MML MANAGED BOND FUND	FIXED INCOME	GNMA POOL 478658	2,577.83	2,247	0.00	7	5/15/2029

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

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 POOL 491089	10,308.43	9,281	0.00	7	12/15/2028
MML MANAGED BOND FUND	FIXED INCOME	PANHANDLE PLAINS STUDENT FINAN	688,114.00	700,000	0.05	2.29	12/1/2031
MML MANAGED BOND FUND	FIXED INCOME	FNMA POOL 596656	1,393.84	1,331	0.00	8	8/1/2031
MML MANAGED BOND FUND	FIXED INCOME	GNMA POOL 581417	14,560.15	12,688	0.00	7	7/15/2032
MML MANAGED BOND FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	3,947,471.49	3,950,000	0.31	5.073	12/15/2039
MML MANAGED BOND FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	250,000.00	250,000	0.02	4.49	6/17/2030
MML MANAGED BOND FUND	FIXED INCOME	MERRILL LYNCH MORTGAGE INVESTO	3,409.86	3,290	0.00	3.62729	7/25/2033
MML MANAGED BOND FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	650,000.00	650,000	0.05	5.083	9/15/2028
MML MANAGED BOND FUND	FIXED INCOME	STRUCTURED ADJUSTABLE RATE MOR	29,901.03	29,513	0.00	3.69546	3/25/2034
MML MANAGED BOND FUND	FIXED INCOME	COUNTRYWIDE ASSET BACKED CERTI	97,200.83	97,261	0.01	2.3315	9/25/2034
MML MANAGED BOND FUND	FIXED INCOME	INDYMAC INDX MORTGAGE LOAN TRU	45,630.92	46,451	0.00	3.33334	8/25/2034
MML MANAGED BOND FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	618,000.00	618,000	0.05	4.08	3/15/2028
MML MANAGED BOND FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	1,056,361.57	1,056,000	0.08	2.4952	10/25/2040
MML MANAGED BOND FUND	FIXED INCOME	FED HM LN PC POOL C90939	33,033.43	30,403	0.00	5.5	12/1/2025
MML MANAGED BOND FUND	FIXED INCOME	GCCFC COMMERCIAL MORTGAGE TRUS	1,084,076.30	1,071,001	0.08	5.73606	7/10/2038
MML MANAGED BOND FUND	FIXED INCOME	NELNET STUDENT LOAN TRUST	1,068,740.24	1,084,647	0.08	2.30814	3/23/2037
MML MANAGED BOND FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	2,444,013.11	2,565,067	0.19	2.0352	1/25/2044
MML MANAGED BOND FUND	FIXED INCOME	NELNET STUDENT LOAN TRUST	755,448.49	824,305	0.06	1.92464	6/25/2041
MML MANAGED BOND FUND	FIXED INCOME	KEYCORP STUDENT LOAN TRUST	442,266.51	443,841	0.03	2.60155	9/27/2035
MML MANAGED BOND FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	902,073.00	986,269	0.07	1.8952	4/25/2040
MML MANAGED BOND FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	531,633.41	550,000	0.04	1.8852	1/27/2042
MML MANAGED BOND FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	2,198,648.40	2,400,000	0.17	1.8952	1/25/2028
MML MANAGED BOND FUND	FIXED INCOME	BEAR STEARNS COMMERCIAL MORTGA	725,371.13	727,103	0.06	5.513	1/12/2045
MML MANAGED BOND FUND	FIXED INCOME	ACCESS GROUP INC	366,437.28	388,420	0.03	3.14363	7/1/2038
MML MANAGED BOND FUND	FIXED INCOME	FED HM LN PC POOL C91074	5,591.67	5,146	0.00	5.5	8/1/2027
MML MANAGED BOND FUND	FIXED INCOME	321 HENDERSON RECEIVABLES LLC	539,465.93	574,425	0.04	1.9766	3/15/2042
MML MANAGED BOND FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	247,000.00	247,000	0.02	4.088	3/15/2028
MML MANAGED BOND FUND	FIXED INCOME	COLLEGIATE FUNDING SERVICES ED	1,402,054.71	1,418,198	0.11	1.91849	3/28/2035
MML MANAGED BOND FUND	FIXED INCOME	FANNIE MAE BENCHMARK REMIC	701,684.80	658,358	0.05	5.5	6/25/2037
MML MANAGED BOND FUND	FIXED INCOME	FNMA POOL 888586	140,629.41	133,723	0.01	3.302	10/1/2034
MML MANAGED BOND FUND	FIXED INCOME	FNMA POOL 725692	133,528.24	127,201	0.01	3.225	10/1/2033
MML MANAGED BOND FUND	FIXED INCOME	FNMA POOL 523499	318.47	275	0.00	8	11/1/2029
MML MANAGED BOND FUND	FIXED INCOME	GNMA POOL 488634	2,698.02	2,367	0.00	7	5/15/2029
MML MANAGED BOND FUND	FIXED INCOME	GNMA POOL 499410	1,500.45	1,305	0.00	7	7/15/2029
MML MANAGED BOND FUND	FIXED INCOME	GNMA POOL 516706	86.43	83	0.00	7	8/15/2029
MML MANAGED BOND FUND	FIXED INCOME	FREDDIE MAC	530,714.17	495,678	0.04	5.5	3/15/2038
MML MANAGED BOND FUND	FIXED INCOME	FNMA TBA 30 YR 4	12,856,955.31	12,530,000	0.99	4	4/12/2048
MML MANAGED BOND FUND	FIXED INCOME	WILLIS NORTH AMERICA INC	598,089.40	566,000	0.05	7	9/29/2019
MML MANAGED BOND FUND	FIXED INCOME	FNMA POOL AD6437	648,972.29	600,227	0.05	5	6/1/2040
MML MANAGED BOND FUND	FIXED INCOME	COLLEGE LOAN CORPORATION TRUST	723,704.40	900,000	0.06	1.429	1/25/2047
MML MANAGED BOND FUND	FIXED INCOME	FED HM LN PC POOL C91344	157,907.32	154,693	0.01	3.5	11/1/2030
MML MANAGED BOND FUND	FIXED INCOME	STRUCTURED RECEIVABLES FINANCE	238,914.30	244,406	0.02	3.73	8/15/2036
MML MANAGED BOND FUND	FIXED INCOME	MCKESSON CORP	658,299.42	550,000	0.05	6	3/1/2041
MML MANAGED BOND FUND	FIXED INCOME	GNMA II TBA 30 YR 3.5	6,890,584.16	6,825,000	0.53	3.5	4/19/2048
MML MANAGED BOND FUND	FIXED INCOME	MORGAN STANLEY CAPITAL I TRUST	1,377,517.17	1,325,000	0.11	5.2	6/15/2044
MML MANAGED BOND FUND	FIXED INCOME	FED HM LN PC POOL J13972	58,113.92	56,876	0.00	3.5	1/1/2026
MML MANAGED BOND FUND	FIXED INCOME	NELNET STUDENT LOAN TRUST	1,228,191.69	1,220,000	0.09	1.8652	4/25/2031
MML MANAGED BOND FUND	FIXED INCOME	GS MORTGAGE SECURITIES TRUST	511,538.97	488,000	0.04	4.948	1/10/2045
MML MANAGED BOND FUND	FIXED INCOME	FNMA POOL AA3980	81,316.49	75,997	0.01	4.5	4/1/2028
MML MANAGED BOND FUND	FIXED INCOME	GNMA II POOL MA4778	1,912,990.32	1,893,318	0.15	3.5	10/20/2047
MML MANAGED BOND FUND	FIXED INCOME	CLEVELAND ELECTRIC ILLUM	903,374.51	945,000	0.07	3.5	4/1/2028
MML MANAGED BOND FUND	FIXED INCOME	PLAINS ALL AMERICAN PIPE	2,262,925.00	2,345,000	0.17	6.125	12/31/2099

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

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	BANK OF NOVA SCOTIA	2,430,156.25	2,575,000	0.19	4.65	12/31/2099
MML MANAGED BOND FUND	FIXED INCOME	CLEAR CREEK CLO LTD	2,053,506.84	2,040,000	0.16	2.9447	10/20/2030
MML MANAGED BOND FUND	FIXED INCOME	FNMA POOL CA0620	14,638,718.24	14,258,854	1.13	4	10/1/2047
MML MANAGED BOND FUND	FIXED INCOME	MP CLO III, LTD	1,762,934.25	1,750,000	0.14	2.9947	10/20/2030
MML MANAGED BOND FUND	FIXED INCOME	PHILLIPS 66 PARTNERS LP	801,764.67	830,000	0.06	3.75	3/1/2028
MML MANAGED BOND FUND	CASH EQUIVALENT	DOMINION RESOURCES	2,998,107.09	3,000,000	0.23	0	4/9/2018
MML MANAGED BOND FUND	FIXED INCOME	GNMA II POOL AC2985	867,735.04	844,094	0.07	4	10/20/2047
MML MANAGED BOND FUND	FIXED INCOME	CIFC FUNDING LTD	2,348,143.71	2,330,000	0.18	2.54287	11/16/2030
MML MANAGED BOND FUND	FIXED INCOME	MOSAIC SOLAR LOANS LLC	1,075,150.95	1,084,163	0.08	3.82	9/20/2042
MML MANAGED BOND FUND	FIXED INCOME	HERCULES CAPITAL INC	2,941,239.08	2,910,000	0.23	4.625	10/23/2022
MML MANAGED BOND FUND	FIXED INCOME	GLENCORE FUNDING LLC	924,846.00	975,000	0.07	3.875	10/27/2027
MML MANAGED BOND FUND	FIXED INCOME	CELGENE CORP	1,801,081.99	1,900,000	0.14	3.45	11/15/2027
MML MANAGED BOND FUND	FIXED INCOME	CELGENE CORP	1,170,864.31	1,230,000	0.09	4.35	11/15/2047
MML MANAGED BOND FUND	FIXED INCOME	GENERAL MOTORS FINL CO	3,089,379.74	3,200,000	0.24	3.5	11/7/2024
MML MANAGED BOND FUND	FIXED INCOME	GNMA II POOL BC4885	4,212,647.70	4,173,198	0.33	3.5	11/20/2047
MML MANAGED BOND FUND	FIXED INCOME	FNMA POOL CA0770	14,701,593.93	14,660,363	1.14	3.5	11/1/2047
MML MANAGED BOND FUND	FIXED INCOME	WAVE 2017 1 LLC	3,941,691.62	3,956,064	0.30	3.844	11/15/2042
MML MANAGED BOND FUND	FIXED INCOME	MOSAIC CO	152,734.34	156,000	0.01	3.25	11/15/2022
MML MANAGED BOND FUND	FIXED INCOME	MOSAIC CO	1,141,116.27	1,170,000	0.09	4.05	11/15/2027
MML MANAGED BOND FUND	FIXED INCOME	FED HM LN PC POOL Q52216	3,716,499.67	3,705,644	0.29	3.5	11/1/2047
MML MANAGED BOND FUND	FIXED INCOME	NP SPE II LLC	2,231,238.11	2,260,000	0.17	4.219	10/21/2047
MML MANAGED BOND FUND	FIXED INCOME	ENERGY TRANSFER PARTNERS	2,267,793.75	2,370,000	0.18	6.25	12/31/2099
MML MANAGED BOND FUND	FIXED INCOME	MARBLE POINT CLO XI LTD	1,207,477.20	1,200,000	0.09	2.79331	12/18/2030
MML MANAGED BOND FUND	FIXED INCOME	FED HM LN PC POOL V83655	11,328,158.13	11,295,068	0.88	3.5	12/1/2047
MML MANAGED BOND FUND	FIXED INCOME	ANDEAVOR LOGIS LP/CORP	442,221.96	450,000	0.03	3.5	12/1/2022
MML MANAGED BOND FUND	FUTURE	US LONG BOND(CBT) JUN18	-	(11,700,000)	0.02	0	6/20/2018
MML MANAGED BOND FUND	FUTURE	US ULTRA BOND CBT JUN18	-	33,200,000	0.11	0	6/20/2018
MML MANAGED BOND FUND	FUTURE	US 5YR NOTE (CBT) JUN18	-	133,800,000	0.05	0	6/29/2018
MML MANAGED BOND FUND	FUTURE	US 2YR NOTE (CBT) JUN18	-	57,800,000	0.00	0	6/29/2018
MML MANAGED BOND FUND	FIXED INCOME	FED HM LN PC POOL V83763	13,464,487.18	13,425,157	1.04	3.5	12/1/2047
MML MANAGED BOND FUND	FIXED INCOME	FED HM LN PC POOL V83764	10,756,890.40	10,451,907	0.83	4	12/1/2047
MML MANAGED BOND FUND	FIXED INCOME	AXIS SPECIALTY FINAN PLC	1,567,232.26	1,625,000	0.12	4	12/6/2027
MML MANAGED BOND FUND	FIXED INCOME	HERO FUNDING TRUST	1,508,465.98	1,530,143	0.12	3.19	9/20/2048
MML MANAGED BOND FUND	FIXED INCOME	CONTINENTAL RESOURCES	1,533,675.00	1,573,000	0.12	4.375	1/15/2028
MML MANAGED BOND FUND	FIXED INCOME	FNMA POOL MA3287	4,658,255.18	4,679,459	0.36	3.5	2/1/2048
MML MANAGED BOND FUND	FIXED INCOME	INFRASTRUCTURA ENERGETI	780,230.00	820,000	0.06	3.75	1/14/2028
MML MANAGED BOND FUND	FIXED INCOME	BANK OF MONTREAL	1,425,791.85	1,505,000	0.11	3.803	12/15/2032
MML MANAGED BOND FUND	FIXED INCOME	FED HM LN PC POOL Q52868	5,810,202.88	5,793,231	0.45	3.5	12/1/2047
MML MANAGED BOND FUND	FIXED INCOME	FED HM LN PC POOL V83796	17,433,459.18	16,977,843	1.35	4	12/1/2047
MML MANAGED BOND FUND	FIXED INCOME	FED HM LN PC POOL Q52834	1,605,335.59	1,563,381	0.12	4	12/1/2047
MML MANAGED BOND FUND	FIXED INCOME	ANDEAVOR	767,916.55	805,000	0.06	3.8	4/1/2028
MML MANAGED BOND FUND	FIXED INCOME	ANDEAVOR	477,105.56	510,000	0.04	4.5	4/1/2048
MML MANAGED BOND FUND	FIXED INCOME	GNMA II POOL BE4328	2,031,957.43	2,014,800	0.16	3.5	12/20/2047
MML MANAGED BOND FUND	OPTIONS	BM1106210 SWAPTION	1,366,301.47	32,720,000	0.11	0	12/13/2032
MML MANAGED BOND FUND	FIXED INCOME	GNMA II POOL BD6940	2,659,928.68	2,637,469	0.21	3.5	12/20/2047
MML MANAGED BOND FUND	FIXED INCOME	EDLINC STUDENT LOAN FUNDING TR	3,628,481.18	3,657,520	0.28	3.35	12/1/2047
MML MANAGED BOND FUND	FIXED INCOME	GNMA POOL BF1053	1,784,786.60	1,766,979	0.14	3.5	12/15/2047
MML MANAGED BOND FUND	FIXED INCOME	IPALCO ENTERPRISES INC	1,037,826.97	1,060,000	0.08	3.7	9/1/2024
MML MANAGED BOND FUND	FIXED INCOME	FNMA POOL CA1073	21,189,289.03	21,131,509	1.64	3.5	1/1/2048
MML MANAGED BOND FUND	FIXED INCOME	CREDIT SUISSE GROUP AG	882,074.75	910,000	0.07	3.869	1/12/2029
MML MANAGED BOND FUND	FIXED INCOME	DXC TECHNOLOGY CO	368,995.24	300,000	0.03	7.45	10/15/2029
MML MANAGED BOND FUND	FIXED INCOME	FED HM LN PC POOL V83886	12,278,054.94	12,243,144	0.95	3.5	1/1/2048

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

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	ATHENE HOLDING LTD	3,017,971.41	3,145,000	0.23	4.125	1/12/2028
MML MANAGED BOND FUND	FIXED INCOME	PATTERSON UTI ENERGY INC	414,204.29	430,000	0.03	3.95	2/1/2028
MML MANAGED BOND FUND	FIXED INCOME	TSY INFL IX N/B	12,276,641.02	12,500,125	0.95	0.5	1/15/2028
MML MANAGED BOND FUND	FIXED INCOME	GNMA II POOL BE6461	2,312,487.32	2,292,961	0.18	3.5	1/20/2048
MML MANAGED BOND FUND	FIXED INCOME	TENCENT HOLDINGS LTD	1,329,187.71	1,380,000	0.10	3.595	1/19/2028
MML MANAGED BOND FUND	FIXED INCOME	GNMA II POOL BD3899	5,303,748.58	5,258,965	0.41	3.5	1/20/2048
MML MANAGED BOND FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	3,551,594.07	3,530,000	0.27	2.3413	1/25/2041
MML MANAGED BOND FUND	FIXED INCOME	GNMA POOL BF1120	2,467,253.51	2,442,636	0.19	3.5	1/15/2048
MML MANAGED BOND FUND	FIXED INCOME	GNMA II POOL BF1119	3,795,271.03	3,763,225	0.29	3.5	1/20/2048
MML MANAGED BOND FUND	FIXED INCOME	GNMA POOL AV1854	2,039,374.60	2,019,027	0.16	3.5	1/15/2048
MML MANAGED BOND FUND	FIXED INCOME	AERCAP IRELAND CAP/GLOBA	2,338,816.28	2,405,000	0.18	3.3	1/23/2023
MML MANAGED BOND FUND	FIXED INCOME	AERCAP IRELAND CAP/GLOBA	4,443,000.30	4,660,000	0.34	3.875	1/23/2028
MML MANAGED BOND FUND	FIXED INCOME	HERTZ VEHICLE FINANCING LLC	4,838,372.21	4,900,000	0.37	3.29	2/25/2024
MML MANAGED BOND FUND	FIXED INCOME	DEUTSCHE BANK NY	792,998.05	805,000	0.06	3.15	1/22/2021
MML MANAGED BOND FUND	FIXED INCOME	HERTZ VEHICLE FINANCING LLC	3,775,365.20	3,810,000	0.29	3.6	2/25/2024
MML MANAGED BOND FUND	FUTURE	US 10YR ULTRA FUT JUN18	-	(5,100,000)	0.01	0	6/20/2018
MML MANAGED BOND FUND	FIXED INCOME	VOYA FINANCIAL INC	983,004.60	1,080,000	0.08	4.7	1/23/2048
MML MANAGED BOND FUND	FIXED INCOME	GOLDMAN SACHS GROUP INC	1,529,228.58	1,560,000	0.12	3.814	4/23/2029
MML MANAGED BOND FUND	FIXED INCOME	GNMA II POOL BE6487	1,181,418.26	1,171,443	0.09	3.5	1/20/2048
MML MANAGED BOND FUND	FIXED INCOME	SOCIAL PROFESSIONAL LOAN PROGR	2,700,288.36	3,759,800	0.21	0.01	2/25/2042
MML MANAGED BOND FUND	FIXED INCOME	NAVIENT STUDENT LOAN TRUST	4,156,331.24	4,150,000	0.32	2.5915	3/25/2067
MML MANAGED BOND FUND	FIXED INCOME	FNMA POOL BF0196	1,634,468.75	1,614,041	0.13	3.5	2/1/2041
MML MANAGED BOND FUND	OPTIONS	BM1107630 SWAPTION	3,400,558.72	72,340,000	0.26	0	1/31/2033
MML MANAGED BOND FUND	OPTIONS	BM1107895 SWAPTION	1,691,023.50	36,280,000	0.13	0	1/31/2033
MML MANAGED BOND FUND	FIXED INCOME	ENTERPRISE PRODUCTS OPER	1,154,122.91	1,205,000	0.09	5.375	2/15/2078
MML MANAGED BOND FUND	FIXED INCOME	PETROLEOS MEXICANOS	1,149,156.00	1,165,000	0.09	5.35	2/12/2028
MML MANAGED BOND FUND	FIXED INCOME	MPLX LP	1,179,857.40	1,195,000	0.09	4.5	4/15/2038
MML MANAGED BOND FUND	FIXED INCOME	GNMA POOL BF1214	1,815,399.97	1,797,287	0.14	3.5	2/15/2048
MML MANAGED BOND FUND	FIXED INCOME	ISRAEL ELECTRIC CORP LTD	1,175,786.40	1,200,000	0.09	4.25	8/14/2028
MML MANAGED BOND FUND	FIXED INCOME	BCC FUNDING CORP	1,522,904.20	1,523,805	0.12	2.2	2/20/2019
MML MANAGED BOND FUND	FIXED INCOME	GNMA POOL BF1245	1,840,549.60	1,822,185	0.14	3.5	2/15/2048
MML MANAGED BOND FUND	FIXED INCOME	WESTERN GAS PARTNERS LP	656,334.09	655,000	0.05	4.5	3/1/2028
MML MANAGED BOND FUND	FIXED INCOME	PNMAC GMSR ISSUER TRUST	1,274,796.54	1,270,000	0.10	4.7215	2/25/2023
MML MANAGED BOND FUND	FIXED INCOME	FED HM LN PC POOL G61307	8,898,568.00	8,851,201	0.69	3.5	2/1/2048
MML MANAGED BOND FUND	FIXED INCOME	GNMA II POOL BF1269	1,837,668.47	1,822,152	0.14	3.5	2/20/2048
MML MANAGED BOND FUND	FIXED INCOME	GALAXY CLO LTD	3,007,206.00	3,000,000	0.23	2.7447	4/20/2031
MML MANAGED BOND FUND	FIXED INCOME	PETROLEOS MEXICANOS	624,780.00	585,000	0.05	6.5	3/13/2027
MML MANAGED BOND FUND	FIXED INCOME	TELEFONICA EMISIONES SAU	1,117,719.77	1,105,000	0.09	4.665	3/6/2038
MML MANAGED BOND FUND	CASH EQUIVALENT	HYUNDAI CAPITAL AMERICA	10,941,513.00	11,000,000	0.85	0	6/15/2018
MML MANAGED BOND FUND	FIXED INCOME	FORD MOTOR CREDIT CO LLC	1,323,256.04	1,325,000	0.10	3.47	4/5/2021
MML MANAGED BOND FUND	FIXED INCOME	FANNIE MAE CAS	1,000,642.30	1,000,000	0.08	4.0715	8/25/2030
MML MANAGED BOND FUND	FIXED INCOME	CVS HEALTH CORP	1,530,349.76	1,455,000	0.12	5.05	3/25/2048
MML MANAGED BOND FUND	FIXED INCOME	CVS HEALTH CORP	1,032,379.90	1,028,000	0.08	4.3	3/25/2028
MML MANAGED BOND FUND	FIXED INCOME	CVS HEALTH CORP	1,193,202.17	1,192,000	0.09	3.125	3/9/2020
MML MANAGED BOND FUND	CASH EQUIVALENT	WPP CP LLC	6,963,333.02	7,000,000	0.54	0	6/14/2018
MML MANAGED BOND FUND	FIXED INCOME	MARRIOTT VACATION CLUB OWNER T	176,717.40	177,651	0.01	2.51	5/20/2030
MML MANAGED BOND FUND	FIXED INCOME	GNMA II POOL 082488	519,550.57	499,988	0.04	2.375	3/20/2040
MML MANAGED BOND FUND	FIXED INCOME	FAIRWAY OUTDOOR FUNDING LLC	1,961,941.29	1,945,301	0.15	4.212	10/15/2042
MML MANAGED BOND FUND	FIXED INCOME	COMM MORTGAGE TRUST	1,043,126.71	1,060,000	0.08	3.703	10/15/2045
MML MANAGED BOND FUND	FIXED INCOME	FNMA POOL AB7401	170,585.73	173,390	0.01	3	12/1/2042
MML MANAGED BOND FUND	FIXED INCOME	FED HM LN PC POOL C91424	104,773.29	102,640	0.01	3.5	1/1/2032
MML MANAGED BOND FUND	FIXED INCOME	FNMA POOL ARO306	14,935.96	15,181	0.00	3	1/1/2043

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

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	FNMA POOL AD6996	4,221,477.06	3,908,351	0.33	5	7/1/2040
MML MANAGED BOND FUND	FIXED INCOME	FNMA POOL AR5391	119,218.83	121,179	0.01	3	1/1/2043
MML MANAGED BOND FUND	FIXED INCOME	FNMA POOL AR4432	62,185.77	63,208	0.00	3	3/1/2043
MML MANAGED BOND FUND	FIXED INCOME	FNMA POOL AR4109	148,215.69	150,652	0.01	3	2/1/2043
MML MANAGED BOND FUND	FIXED INCOME	FNMA POOL AT0169	266,833.89	271,220	0.02	3	3/1/2043
MML MANAGED BOND FUND	FIXED INCOME	FNMA POOL AR1975	49,280.22	50,090	0.00	3	12/1/2042
MML MANAGED BOND FUND	FIXED INCOME	FNMA POOL AB8809	89,572.20	91,045	0.01	3	3/1/2043
MML MANAGED BOND FUND	FIXED INCOME	EDUCATIONAL FUNDING OF THE SOU	650,821.38	625,000	0.05	5.4452	4/25/2046
MML MANAGED BOND FUND	FIXED INCOME	HIGHER EDUCATION FUNDING	384,828.75	450,000	0.03	3.034	1/1/2044
MML MANAGED BOND FUND	FIXED INCOME	HIGHER EDUCATION FUNDING	394,795.35	450,000	0.03	2.159	1/1/2044
MML MANAGED BOND FUND	FIXED INCOME	LCM LTD PARTNERSHIP	773,204.92	773,084	0.06	2.87152	7/15/2025
MML MANAGED BOND FUND	FIXED INCOME	FNMA POOL AH6787	1,101,650.54	1,040,367	0.09	4.5	3/1/2041
MML MANAGED BOND FUND	FIXED INCOME	VALLEY NATIONAL BANCORP	1,613,347.09	1,530,000	0.12	5.125	9/27/2023
MML MANAGED BOND FUND	FIXED INCOME	DBCRCRE MORTGAGE TRUST	1,018,541.30	995,000	0.08	4.2382	1/10/2034
MML MANAGED BOND FUND	FIXED INCOME	COMM MORTGAGE TRUST	1,406,001.85	1,375,000	0.11	4.199	3/10/2047
MML MANAGED BOND FUND	FIXED INCOME	NAVIENT STUDENT LOAN TRUST	2,964,779.40	3,000,000	0.23	2.6215	2/25/2039
MML MANAGED BOND FUND	FIXED INCOME	TURK TELEKOMUNIKASYON AS	238,536.00	240,000	0.02	3.75	6/19/2019
MML MANAGED BOND FUND	FIXED INCOME	FREDDIE MAC	1,488,060.17	1,363,583	0.11	5.5	5/15/2033
MML MANAGED BOND FUND	FIXED INCOME	FANNIE MAE	2,318,839.27	2,259,264	0.18	4	10/25/2040
MML MANAGED BOND FUND	FIXED INCOME	SOUTH CAROLINA STUDENT LOAN CO	2,977,374.32	3,050,000	0.23	3.16418	8/1/2035
MML MANAGED BOND FUND	FIXED INCOME	HERCULES CAPITAL FUNDING TRUST	259,670.60	259,671	0.02	3.524	4/16/2021
MML MANAGED BOND FUND	FIXED INCOME	OXFORD FINANCE FUNDING TRUST	263,524.97	266,229	0.02	3.475	12/15/2022
MML MANAGED BOND FUND	FIXED INCOME	EDUCATIONAL SERVICES OF AMERIC	1,108,636.32	1,200,000	0.09	3.3715	6/25/2048
MML MANAGED BOND FUND	FIXED INCOME	TIFFANY + CO	969,208.39	990,000	0.07	4.9	10/1/2044
MML MANAGED BOND FUND	FIXED INCOME	BM1047877 CDS USD R F 3.00000	2,728,549.98	3,200,000	0.21	3	11/17/2045
MML MANAGED BOND FUND	FIXED INCOME	BM1047877 CDS USD P V 01MEVENT	(3,200,000.00)	(3,200,000)	0.25	1	11/17/2045
MML MANAGED BOND FUND	FIXED INCOME	ALTERNA FUNDING LLC	395,758.33	396,502	0.03	2.5	2/15/2024
MML MANAGED BOND FUND	FIXED INCOME	BM1058676 CDS USD R F 3.00000	784,458.12	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	SOCIAL PROFESSIONAL LOAN PROGR	790,135.04	766,358	0.06	3.6215	8/25/2036
MML MANAGED BOND FUND	FIXED INCOME	FNMA POOL AV2325	920,619.19	900,361	0.07	3.5	12/1/2028
MML MANAGED BOND FUND	FIXED INCOME	NAVIENT STUDENT LOAN TRUST	2,473,486.29	2,370,000	0.19	3.3715	6/25/2065
MML MANAGED BOND FUND	FIXED INCOME	SOCIAL PROFESSIONAL LOAN PROGR	555,395.00	570,000	0.04	2.36	12/27/2032
MML MANAGED BOND FUND	FIXED INCOME	LCM LTD PARTNERSHIP	3,064,829.85	3,030,000	0.24	3.1447	10/20/2029
MML MANAGED BOND FUND	FIXED INCOME	WESTGATE RESORTS	1,355,315.11	1,366,293	0.10	3.05	12/20/2030
MML MANAGED BOND FUND	FIXED INCOME	SOCIAL PROFESSIONAL LOAN PROGR	958,489.59	990,000	0.07	4.21	7/25/2040
MML MANAGED BOND FUND	FIXED INCOME	TRIP RAIL MASTER FUNDING LLC	556,550.30	563,288	0.04	2.709	8/15/2047
MML MANAGED BOND FUND	FIXED INCOME	STEELE CREEK CLO LTD	664,982.34	660,000	0.05	2.8841	1/15/2030
MML MANAGED BOND FUND	FIXED INCOME	WAVE 2017 1 LLC	2,681,196.48	2,628,624	0.21	6.656	11/15/2042
MML MANAGED BOND FUND	OPTIONS	BM1105949 SWAPTION	3,462,076.07	66,610,000	0.27	0	12/13/2032
MML MANAGED BOND FUND	CASH EQUIVALENT	TIME WARNER INC	4,696,178.10	4,700,000	0.36	0	4/12/2018
MML MANAGED BOND FUND	FIXED INCOME	RRAM	2,461,664.45	2,450,000	0.19	2.80208	1/15/2030
MML MANAGED BOND FUND	CASH EQUIVALENT	MOLEX ELECTRONIC TECHNOLOGIES	3,977,444.88	4,000,000	0.31	0	6/13/2018
MML MANAGED BOND FUND	CASH EQUIVALENT	PUBLIC SEVC. ENT. GR	3,980,901.00	4,000,000	0.31	0	6/8/2018
MML MANAGED BOND FUND	FIXED INCOME	GNMA II POOL 082462	566,530.40	545,231	0.04	2.375	1/20/2040
MML MANAGED BOND FUND	FIXED INCOME	DRUG ROYALTY CORPORATION, INC.	45,587.28	45,641	0.00	5.8	7/15/2024
MML MANAGED BOND FUND	FIXED INCOME	FNMA POOL AP8668	218,091.49	221,676	0.02	3	12/1/2042
MML MANAGED BOND FUND	FIXED INCOME	FNMA POOL AL3215	161,598.32	164,255	0.01	3	2/1/2043
MML MANAGED BOND FUND	FIXED INCOME	ORANGE LAKE TIMESHARE TRUST	210,542.86	215,832	0.02	2.29	7/9/2029
MML MANAGED BOND FUND	FIXED INCOME	CONSUMER INSTALLMENT LOAN TRUS	307,411.28	307,393	0.02	3.96	7/15/2022
MML MANAGED BOND FUND	FIXED INCOME	GOLDENTREE LOAN MANAGEMENT US	1,960,393.50	1,950,000	0.15	2.72439	11/28/2030
MML MANAGED BOND FUND	FIXED INCOME	FNMA POOL 775539	49,089.16	47,076	0.00	3.475	5/1/2034

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

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 D97417	12,998.16	11,963	0.00	5.5	10/1/2027
MML MANAGED BOND FUND	FIXED INCOME	CFC LLC	17,295.34	17,302	0.00	1.44	11/16/2020
MML US GOVERNMENT MONEY MARKET FUND	CASH EQUIVALENT	2018-04-02 1.75%	20,000,000.00	20,000,000	13.34	1.75	4/2/2018
MML US GOVERNMENT MONEY MARKET FUND	CASH EQUIVALENT	FEDERAL HOME LOAN BANK	10,000,097.53	10,000,000	6.67	1.718	7/17/2019
MML US GOVERNMENT MONEY MARKET FUND	CASH EQUIVALENT	FED FARM CRD DISCOUNT NT	2,219,722.50	2,220,000	1.48	0	4/2/2018
MML US GOVERNMENT MONEY MARKET FUND	CASH EQUIVALENT	FEDERAL HOME LOAN BANK	2,000,000.00	2,000,000	1.33	1.63	10/11/2018
MML US GOVERNMENT MONEY MARKET FUND	CASH EQUIVALENT	FEDERAL HOME LOAN BANK	8,000,000.00	8,000,000	5.34	1.692	7/20/2018
MML US GOVERNMENT MONEY MARKET FUND	CASH EQUIVALENT	FEDERAL HOME LOAN BANK	8,000,004.64	8,000,000	5.34	1.566	8/8/2018
MML US GOVERNMENT MONEY MARKET FUND	CASH EQUIVALENT	FEDERAL HOME LOAN BANK	4,999,829.08	5,000,000	3.34	1.692	8/20/2018
MML US GOVERNMENT MONEY MARKET FUND	CASH EQUIVALENT	FEDERAL HOME LOAN BANK	14,496,101.10	14,500,000	9.67	1.561	9/6/2018
MML US GOVERNMENT MONEY MARKET FUND	CASH EQUIVALENT	FEDERAL HOME LOAN BANK	4,000,314.05	4,000,000	2.67	1.647	11/15/2018
MML US GOVERNMENT MONEY MARKET FUND	CASH EQUIVALENT	FEDERAL HOME LOAN BANK	3,800,026.77	3,800,000	2.53	1.519	11/1/2018
MML US GOVERNMENT MONEY MARKET FUND	CASH EQUIVALENT	FREDDIE MAC DISCOUNT NT	1,999,527.78	2,000,000	1.33	0	4/4/2018
MML US GOVERNMENT MONEY MARKET FUND	CASH EQUIVALENT	FEDERAL FARM CREDIT BANK	3,000,250.82	3,000,000	2.00	1.83638	4/16/2018
MML US GOVERNMENT MONEY MARKET FUND	CASH EQUIVALENT	FEDERAL HOME LOAN BANK	1,400,871.60	1,400,000	0.93	1.826	1/23/2019
MML US GOVERNMENT MONEY MARKET FUND	CASH EQUIVALENT	FED HOME LN DISCOUNT NT	1,399,822.67	1,400,000	0.93	0	4/2/2018
MML US GOVERNMENT MONEY MARKET FUND	CASH EQUIVALENT	FED HOME LN DISCOUNT NT	699,305.84	700,000	0.47	0	4/20/2018
MML US GOVERNMENT MONEY MARKET FUND	CASH EQUIVALENT	FED HOME LN DISCOUNT NT	1,498,197.91	1,500,000	1.00	0	4/24/2018
MML US GOVERNMENT MONEY MARKET FUND	CASH EQUIVALENT	FED HOME LN DISCOUNT NT	599,116.50	600,000	0.40	0	4/30/2018
MML US GOVERNMENT MONEY MARKET FUND	CASH EQUIVALENT	FED HOME LN DISCOUNT NT	6,888,897.72	6,900,000	4.60	0	5/4/2018
MML US GOVERNMENT MONEY MARKET FUND	CASH EQUIVALENT	FED HOME LN DISCOUNT NT	3,679,364.49	3,680,000	2.45	0	4/3/2018
MML US GOVERNMENT MONEY MARKET FUND	CASH EQUIVALENT	FED HOME LN DISCOUNT NT	8,967,218.75	9,000,000	5.98	0	6/13/2018
MML US GOVERNMENT MONEY MARKET FUND	CASH	US DOLLAR	4,308.56	4,309	0.00	0	
MML US GOVERNMENT MONEY MARKET FUND	CASH EQUIVALENT	FED HOME LN DISCOUNT NT	10,440,630.89	10,450,000	6.96	0	4/18/2018
MML US GOVERNMENT MONEY MARKET FUND	CASH EQUIVALENT	FANNIE DISCOUNT NOTE	1,499,157.50	1,500,000	1.00	0	4/11/2018
MML US GOVERNMENT MONEY MARKET FUND	CASH EQUIVALENT	FED HOME LN DISCOUNT NT	695,802.80	696,000	0.46	0	4/5/2018
MML US GOVERNMENT MONEY MARKET FUND	CASH EQUIVALENT	FED HOME LN DISCOUNT NT	699,329.16	700,000	0.47	0	4/19/2018
MML US GOVERNMENT MONEY MARKET FUND	CASH EQUIVALENT	FED HOME LN DISCOUNT NT	599,192.67	600,000	0.40	0	4/27/2018
MML US GOVERNMENT MONEY MARKET FUND	CASH EQUIVALENT	FED HOME LN DISCOUNT NT	599,664.00	600,000	0.40	0	4/11/2018
MML US GOVERNMENT MONEY MARKET FUND	CASH EQUIVALENT	FED HOME LN DISCOUNT NT	3,995,016.66	4,000,000	2.66	0	4/25/2018
MML US GOVERNMENT MONEY MARKET FUND	CASH EQUIVALENT	FED HOME LN DISCOUNT NT	3,698,864.44	3,700,000	2.47	0	4/6/2018
MML US GOVERNMENT MONEY MARKET FUND	CASH EQUIVALENT	FED HOME LN DISCOUNT NT	8,454,382.66	8,460,000	5.64	0	4/13/2018
MML US GOVERNMENT MONEY MARKET FUND	CASH EQUIVALENT	FED HOME LN DISCOUNT NT	2,497,116.67	2,500,000	1.67	0.01	4/23/2018
MML US GOVERNMENT MONEY MARKET FUND	CASH EQUIVALENT	FED HOME LN DISCOUNT NT	788,246.64	790,000	0.53	0	5/16/2018
MML US GOVERNMENT MONEY MARKET FUND	CASH EQUIVALENT	FED HOME LN DISCOUNT NT	698,215.00	700,000	0.47	0	5/23/2018
MML US GOVERNMENT MONEY MARKET FUND	CASH EQUIVALENT	FEDERAL HOME LOAN BANK	5,000,253.96	5,000,000	3.34	1.775	12/27/2018
MML US GOVERNMENT MONEY MARKET FUND	CASH EQUIVALENT	FED HOME LN DISCOUNT NT	2,598,723.54	2,600,000	1.73	0	4/10/2018
MML BLEND FUND	EQUITY	EVERSOURCE ENERGY	47,843.04	812	0.01	0	
MML BLEND FUND	EQUITY	MYLAN NV	1,327,608.99	32,247	0.28	0	
MML BLEND FUND	EQUITY	ALLERGAN PLC	1,647,559.10	9,790	0.34	0	
MML BLEND FUND	EQUITY	WESTROCK CO	588,246.39	9,167	0.12	0	
MML BLEND FUND	EQUITY	WEC ENERGY GROUP INC	284,783.40	4,542	0.06	0	
MML BLEND FUND	EQUITY	KRAFT HEINZ CO/THE	308,833.82	4,958	0.06	0	
MML BLEND FUND	EQUITY	PAYPAL HOLDINGS INC	2,342,637.99	30,877	0.49	0	
MML BLEND FUND	EQUITY	WELLTOWER INC	114,303.00	2,100	0.02	0	
MML BLEND FUND	EQUITY	ALPHABET INC CL C	6,800,527.89	6,591	1.41	0	
MML BLEND FUND	EQUITY	ALPHABET INC CL A	11,429,282.80	11,020	2.37	0	
MML BLEND FUND	EQUITY	HEWLETT PACKARD ENTERPRISE	1,179,985.96	67,274	0.24	0	
MML BLEND FUND	EQUITY	HP INC	466,326.08	21,274	0.10	0	
MML BLEND FUND	EQUITY	CSRA INC	128,884.98	3,126	0.03	0	
MML BLEND FUND	EQUITY	CHUBB LTD	1,035,075.36	7,568	0.21	0	
MML BLEND FUND	EQUITY	BROADCOM LTD	51,607.35	219	0.01	0	

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML BLEND FUND	EQUITY	DENTSPLY SIRONA INC	2,817.36	56	0.00		0
MML BLEND FUND	EQUITY	S+P GLOBAL INC	1,052,358.48	5,508	0.22		0
MML BLEND FUND	EQUITY	CHARTER COMMUNICATIONS INC A	124,799.22	401	0.03		0
MML BLEND FUND	EQUITY	FORTIVE CORP	455,662.56	5,878	0.09		0
MML BLEND FUND	EQUITY	XL GROUP LTD	209,324.88	3,788	0.04		0
MML BLEND FUND	EQUITY	JOHNSON CONTROLS INTERNATION	2,290.60	65	0.00		0
MML BLEND FUND	EQUITY	ARCONIC INC	184.32	8	0.00		0
MML BLEND FUND	EQUITY	L3 TECHNOLOGIES INC	201,760.00	970	0.04		0
MML BLEND FUND	EQUITY	HILTON WORLDWIDE HOLDINGS IN	1,000,252.00	12,700	0.21		0
MML BLEND FUND	EQUITY	TECHNIPFMC PLC	245,613.00	8,340	0.05		0
MML BLEND FUND	EQUITY	GGP INC	403,062.00	19,700	0.08		0
MML BLEND FUND	EQUITY	DXC TECHNOLOGY CO	1,706,898.87	16,979	0.35		0
MML BLEND FUND	EQUITY	XEROX CORP	1,595,448.08	55,436	0.33		0
MML BLEND FUND	EQUITY	BAKER HUGHES A GE CO	860.87	31	0.00		0
MML BLEND FUND	EQUITY	BRIGHTHOUSE FINANCIAL INC	1,336.40	26	0.00		0
MML BLEND FUND	EQUITY	ANDEAVOR	253,109.52	2,517	0.05		0
MML BLEND FUND	EQUITY	DOWDUPONT INC	179,662.20	2,820	0.04		0
MML BLEND FUND	EQUITY	TAPESTRY INC	327,234.20	6,220	0.07		0
MML BLEND FUND	EQUITY	DELPHI TECHNOLOGIES PLC	147,715.00	3,100	0.03		0
MML BLEND FUND	EQUITY	APTIV PLC	790,221.00	9,300	0.16		0
MML BLEND FUND	EQUITY	BOOKING HOLDINGS INC	1,853,627.49	891	0.38		0
MML BLEND FUND	CASH EQUIVALENT	FIXED INC CLEARING CORP.REPO	702,786.38	702,786	0.15	0.74	4/2/2018
MML BLEND FUND	EQUITY	BANK OF NEW YORK MELLON CORP	1,530,801.71	29,707	0.32		0
MML BLEND FUND	EQUITY	HCP INC	813.05	35	0.00		0
MML BLEND FUND	EQUITY	INVESCO LTD	1,191,156.12	37,212	0.25		0
MML BLEND FUND	EQUITY	DISH NETWORK CORP A	462,258.00	12,200	0.10		0
MML BLEND FUND	EQUITY	DOLLAR TREE INC	4,555.20	48	0.00		0
MML BLEND FUND	EQUITY	PHILIP MORRIS INTERNATIONAL	1,638,708.40	16,486	0.34		0
MML BLEND FUND	EQUITY	VISA INC CLASS A SHARES	1,420,128.64	11,872	0.29		0
MML BLEND FUND	EQUITY	NETAPP INC	2,208,378.62	35,798	0.46		0
MML BLEND FUND	EQUITY	DR PEPPER SNAPPLE GROUP INC	521,345.52	4,404	0.11		0
MML BLEND FUND	EQUITY	ACTIVISION BLIZZARD INC	1,605,548.00	23,800	0.33		0
MML BLEND FUND	EQUITY	SIGNET JEWELERS LTD	1,344,348.00	34,900	0.28		0
MML BLEND FUND	EQUITY	DISCOVERY INC A	597,897.00	27,900	0.12		0
MML BLEND FUND	EQUITY	DISCOVERY INC C	301,447.36	15,443	0.06		0
MML BLEND FUND	EQUITY	EQT CORP	4,608.47	97	0.00		0
MML BLEND FUND	EQUITY	TIME WARNER INC	1,702,912.90	18,005	0.35		0
MML BLEND FUND	EQUITY	AMERICAN INTERNATIONAL GROUP	2,503.32	46	0.00		0
MML BLEND FUND	EQUITY	INGERSOLL RAND PLC	820,896.00	9,600	0.17		0
MML BLEND FUND	EQUITY	GARMIN LTD	123,753.00	2,100	0.03		0
MML BLEND FUND	EQUITY	SEAGATE TECHNOLOGY	1,018,248.00	17,400	0.21		0
MML BLEND FUND	EQUITY	UNITED CONTINENTAL HOLDINGS	1,535,287.00	22,100	0.32		0
MML BLEND FUND	EQUITY	GENERAL MOTORS CO	1,642,568.00	45,200	0.34		0
MML BLEND FUND	EQUITY	MOTOROLA SOLUTIONS INC	330,326.10	3,137	0.07		0
MML BLEND FUND	EQUITY	O REILLY AUTOMOTIVE INC	82,377.54	333	0.02		0
MML BLEND FUND	EQUITY	KINDER MORGAN INC	572.28	38	0.00		0
MML BLEND FUND	EQUITY	HCA HEALTHCARE INC	252,200.00	2,600	0.05		0
MML BLEND FUND	EQUITY	TE CONNECTIVITY LTD	1,428,570.00	14,300	0.30		0
MML BLEND FUND	EQUITY	CITIGROUP INC	6,429,442.50	95,251	1.33		0
MML BLEND FUND	EQUITY	PROLOGIS INC	84,280.62	1,338	0.02		0
MML BLEND FUND	EQUITY	MARATHON PETROLEUM CORP	2,756,685.66	37,706	0.57		0
MML BLEND FUND	EQUITY	PVH CORP	245,316.60	1,620	0.05		0

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML BLEND FUND	EQUITY	RALPH LAUREN CORP	1,492,530.00	13,350	0.31		0
MML BLEND FUND	EQUITY	CBRE GROUP INC A	1,146,832.14	24,287	0.24		0
MML BLEND FUND	EQUITY	XYLEM INC	258,066.60	3,355	0.05		0
MML BLEND FUND	EQUITY	TRIPADVISOR INC	1,512.93	37	0.00		0
MML BLEND FUND	EQUITY	MICHAEL KORS HOLDINGS LTD	428,352.00	6,900	0.09		0
MML BLEND FUND	EQUITY	EXPEDIA GROUP INC	569,384.37	5,157	0.12		0
MML BLEND FUND	EQUITY	AMERICAN TOWER CORP	17,295.46	119	0.00		0
MML BLEND FUND	EQUITY	AON PLC	483,436.85	3,445	0.10		0
MML BLEND FUND	EQUITY	EXPRESS SCRIPTS HOLDING CO	1,609,633.08	23,301	0.33		0
MML BLEND FUND	EQUITY	PHILLIPS 66	275,194.48	2,869	0.06		0
MML BLEND FUND	EQUITY	FACEBOOK INC A	9,694,459.30	60,670	2.01		0
MML BLEND FUND	EQUITY	DUKE ENERGY CORP	448,551.30	5,790	0.09		0
MML BLEND FUND	EQUITY	MONDELEZ INTERNATIONAL INC A	3,129.75	75	0.00		0
MML BLEND FUND	EQUITY	EATON CORP PLC	1,084,059.06	13,566	0.22		0
MML BLEND FUND	EQUITY	ABBVIE INC	4,668,327.30	49,322	0.97		0
MML BLEND FUND	EQUITY	ZOETIS INC	952,014.00	11,400	0.20		0
MML BLEND FUND	EQUITY	L BRANDS INC	84,062.00	2,200	0.02		0
MML BLEND FUND	EQUITY	NEWS CORP CLASS A	1,282,422.80	81,166	0.27		0
MML BLEND FUND	EQUITY	TWENTY FIRST CENTURY FOX A	717,913.23	19,567	0.15		0
MML BLEND FUND	EQUITY	TWENTY FIRST CENTURY FOX B	294,597.00	8,100	0.06		0
MML BLEND FUND	EQUITY	INTERCONTINENTAL EXCHANGE IN	1,087.80	15	0.00		0
MML BLEND FUND	EQUITY	ALLEGION PLC	139,278.57	1,633	0.03		0
MML BLEND FUND	EQUITY	AMERICAN AIRLINES GROUP INC	1,465,272.00	28,200	0.30		0
MML BLEND FUND	EQUITY	PERRIGO CO PLC	1,716,804.00	20,600	0.36		0
MML BLEND FUND	EQUITY	NAVIENT CORP	1,876,041.92	142,991	0.39		0
MML BLEND FUND	EQUITY	PENTAIR PLC	1,227,906.99	18,023	0.25		0
MML BLEND FUND	EQUITY	SYNCHRONY FINANCIAL	673,953.00	20,100	0.14		0
MML BLEND FUND	EQUITY	NEWFIELD EXPLORATION CO	881,562.00	36,100	0.18		0
MML BLEND FUND	EQUITY	QUANTA SERVICES INC	446.55	13	0.00		0
MML BLEND FUND	EQUITY	FORD MOTOR CO	1,423,924.04	128,513	0.30		0
MML BLEND FUND	EQUITY	XCEL ENERGY INC	248,866.56	5,472	0.05		0
MML BLEND FUND	EQUITY	MOODY S CORP	537,129.00	3,330	0.11		0
MML BLEND FUND	EQUITY	CONSTELLATION BRANDS INC A	123,532.64	542	0.03		0
MML BLEND FUND	EQUITY	NASDAQ INC	3,879.90	45	0.00		0
MML BLEND FUND	EQUITY	DAVITA INC	199,798.20	3,030	0.04		0
MML BLEND FUND	EQUITY	MONSANTO CO	781,122.86	6,694	0.16		0
MML BLEND FUND	EQUITY	EXELON CORP	863,681.40	22,140	0.18		0
MML BLEND FUND	EQUITY	FLUOR CORP	961,810.98	16,809	0.20		0
MML BLEND FUND	EQUITY	AETNA INC	1,052,363.00	6,227	0.22		0
MML BLEND FUND	EQUITY	T ROWE PRICE GROUP INC	1,684,979.82	15,606	0.35		0
MML BLEND FUND	EQUITY	JPMORGAN CHASE + CO	12,066,128.34	109,722	2.50		0
MML BLEND FUND	EQUITY	ALIGN TECHNOLOGY INC	612,757.20	2,440	0.13		0
MML BLEND FUND	EQUITY	US BANCORP	383,901.00	7,602	0.08		0
MML BLEND FUND	EQUITY	RAYTHEON COMPANY	191,863.98	889	0.04		0
MML BLEND FUND	EQUITY	CITIZENS FINANCIAL GROUP	2,430,642.00	57,900	0.50		0
MML BLEND FUND	EQUITY	ANTHEM INC	1,273,381.20	5,796	0.26		0
MML BLEND FUND	EQUITY	WALGREENS BOOTS ALLIANCE INC	1,083,986.79	16,557	0.22		0
MML BLEND FUND	EQUITY	IRON MOUNTAIN INC	1,577.28	48	0.00		0
MML BLEND FUND	EQUITY	EQUINIX INC	50,176.80	120	0.01		0
MML BLEND FUND	EQUITY	MEDTRONIC PLC	2,911,986.00	36,300	0.60		0
MML BLEND FUND	EQUITY	SAFeway PDC LLC CVR	5.64	18,800	0.00		0
MML BLEND FUND	EQUITY	PRUDENTIAL FINANCIAL INC	1,629,566.35	15,737	0.34		0

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML BLEND FUND	EQUITY	CENTENE CORP	1,880,912.00	17,600	0.39		0
MML BLEND FUND	EQUITY	3M CO	2,461,258.24	11,212	0.51		0
MML BLEND FUND	EQUITY	NOBLE ENERGY INC	1,696.80	56	0.00		0
MML BLEND FUND	EQUITY	YUM BRANDS INC	2,979.55	35	0.00		0
MML BLEND FUND	EQUITY	NETFLIX INC	470,492.55	1,593	0.10		0
MML BLEND FUND	EQUITY	JM SMUCKER CO/THE	104,788.45	845	0.02		0
MML BLEND FUND	EQUITY	SKYWORKS SOLUTIONS INC	602,562.60	6,010	0.13		0
MML BLEND FUND	EQUITY	CONOCOPHILLIPS	2,312.31	39	0.00		0
MML BLEND FUND	EQUITY	CENTERPOINT ENERGY INC	650,229.40	23,731	0.13		0
MML BLEND FUND	EQUITY	WYNN RESORTS LTD	554,009.68	3,038	0.11		0
MML BLEND FUND	EQUITY	COMCAST CORP CLASS A	4,388,248.08	128,424	0.91		0
MML BLEND FUND	EQUITY	ALTRIA GROUP INC	1,742,404.88	27,959	0.36		0
MML BLEND FUND	EQUITY	INTUITIVE SURGICAL INC	118,895.04	288	0.02		0
MML BLEND FUND	EQUITY	BIOGEN INC	1,002,728.84	3,662	0.21		0
MML BLEND FUND	EQUITY	NRG ENERGY INC	36,636.00	1,200	0.01		0
MML BLEND FUND	EQUITY	ASSURANT INC	476,794.56	5,216	0.10		0
MML BLEND FUND	EQUITY	SALESFORCE.COM INC	814,565.20	7,004	0.17		0
MML BLEND FUND	EQUITY	REGIONS FINANCIAL CORP	490,790.70	26,415	0.10		0
MML BLEND FUND	EQUITY	PATTERSON COS INC	1,911.78	86	0.00		0
MML BLEND FUND	EQUITY	EXTRA SPACE STORAGE INC	611,520.00	7,000	0.13		0
MML BLEND FUND	EQUITY	DIGITAL REALTY TRUST INC	29,506.40	280	0.01		0
MML BLEND FUND	EQUITY	CF INDUSTRIES HOLDINGS INC	1,433,362.70	37,990	0.30		0
MML BLEND FUND	EQUITY	AMERIPRISE FINANCIAL INC	1,680,006.64	11,356	0.35		0
MML BLEND FUND	EQUITY	C.H. ROBINSON WORLDWIDE INC	11,245.20	120	0.00		0
MML BLEND FUND	EQUITY	AT+T INC	6,568,619.45	184,253	1.36		0
MML BLEND FUND	EQUITY	VIACOM INC CLASS B	397,878.60	12,810	0.08		0
MML BLEND FUND	EQUITY	CBS CORP CLASS B NON VOTING	2,929.23	57	0.00		0
MML BLEND FUND	EQUITY	FIDELITY NATIONAL INFO SERV	529,650.00	5,500	0.11		0
MML BLEND FUND	EQUITY	CA INC	510,974.70	15,073	0.11		0
MML BLEND FUND	EQUITY	HESS CORP	1,619.84	32	0.00		0
MML BLEND FUND	EQUITY	MASTERCARD INC A	3,124,854.40	17,840	0.65		0
MML BLEND FUND	EQUITY	WYNDHAM WORLDWIDE CORP	653,280.87	5,709	0.14		0
MML BLEND FUND	EQUITY	HANESBRANDS INC	127,098.00	6,900	0.03		0
MML BLEND FUND	EQUITY	WESTERN UNION CO	1,382,406.24	71,888	0.29		0
MML BLEND FUND	EQUITY	TRAVELERS COS INC/THE	317,572.82	2,287	0.07		0
MML BLEND FUND	EQUITY	PEOPLE S UNITED FINANCIAL	473,049.66	25,351	0.10		0
MML BLEND FUND	EQUITY	DELTA AIR LINES INC	1,271,592.00	23,200	0.26		0
MML BLEND FUND	EQUITY	MACY S INC	2,276,626.74	76,551	0.47		0
MML BLEND FUND	EQUITY	DISCOVER FINANCIAL SERVICES	128,251.19	1,783	0.03		0
MML BLEND FUND	EQUITY	KOHL S CORP	414,678.30	6,330	0.09		0
MML BLEND FUND	EQUITY	PPG INDUSTRIES INC	892.80	8	0.00		0
MML BLEND FUND	EQUITY	QUALCOMM INC	1,944,891.00	35,100	0.40		0
MML BLEND FUND	EQUITY	ROCKWELL AUTOMATION INC	85,880.60	493	0.02		0
MML BLEND FUND	EQUITY	SOUTHWEST AIRLINES CO	594,738.24	10,383	0.12		0
MML BLEND FUND	EQUITY	SUNTRUST BANKS INC	823,284.00	12,100	0.17		0
MML BLEND FUND	EQUITY	TJX COMPANIES INC	253,325.36	3,106	0.05		0
MML BLEND FUND	EQUITY	VULCAN MATERIALS CO	570.85	5	0.00		0
MML BLEND FUND	EQUITY	WEYERHAEUSER CO	721,910.00	20,626	0.15		0
MML BLEND FUND	EQUITY	WILLIAMS COS INC	1,193.28	48	0.00		0
MML BLEND FUND	EQUITY	XILINX INC	271,333.44	3,756	0.06		0
MML BLEND FUND	EQUITY	VERISIGN INC	1,907,748.96	16,091	0.40		0
MML BLEND FUND	EQUITY	HARTFORD FINANCIAL SVCS GRP	306,647.04	5,952	0.06		0

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML BLEND FUND	EQUITY	ELECTRONIC ARTS INC	105,115.08	867	0.02		0
MML BLEND FUND	EQUITY	AFLAC INC	1,266,589.44	28,944	0.26		0
MML BLEND FUND	EQUITY	METLIFE INC	1,477,199.10	32,190	0.31		0
MML BLEND FUND	EQUITY	SCHWAB (CHARLES) CORP	240,838.64	4,612	0.05		0
MML BLEND FUND	EQUITY	ACCENTURE PLC CL A	1,360,010.00	8,860	0.28		0
MML BLEND FUND	EQUITY	MERCK + CO. INC.	2,809,726.01	51,583	0.58		0
MML BLEND FUND	EQUITY	BERKSHIRE HATHAWAY INC CL B	2,690,187.28	13,486	0.56		0
MML BLEND FUND	EQUITY	STANLEY BLACK + DECKER INC	1,378.80	9	0.00		0
MML BLEND FUND	EQUITY	LYONDELLBASELL INDU CL A	1,081,106.40	10,230	0.22		0
MML BLEND FUND	EQUITY	E TRADE FINANCIAL CORP	707,087.01	12,761	0.15		0
MML BLEND FUND	EQUITY	NEXTERA ENERGY INC	496,523.20	3,040	0.10		0
MML BLEND FUND	EQUITY	CAMPBELL SOUP CO	70,335.44	1,624	0.01		0
MML BLEND FUND	EQUITY	PARKER HANNIFIN CORP	2,089,644.54	12,218	0.43		0
MML BLEND FUND	EQUITY	VF CORP	1,104,388.00	14,900	0.23		0
MML BLEND FUND	EQUITY	TYSON FOODS INC CL A	314,790.19	4,301	0.07		0
MML BLEND FUND	EQUITY	DANAHER CORP	1,102,074.96	11,256	0.23		0
MML BLEND FUND	EQUITY	SEALED AIR CORP	2,267.87	53	0.00		0
MML BLEND FUND	EQUITY	REPUBLIC SERVICES INC	22,319.51	337	0.00		0
MML BLEND FUND	EQUITY	AKAMAI TECHNOLOGIES INC	1,845.48	26	0.00		0
MML BLEND FUND	EQUITY	BLACKROCK INC	1,722,669.60	3,180	0.36		0
MML BLEND FUND	EQUITY	AGILENT TECHNOLOGIES INC	1,014,404.70	15,163	0.21		0
MML BLEND FUND	EQUITY	PACCAR INC	927,835.74	14,022	0.19		0
MML BLEND FUND	EQUITY	MICROCHIP TECHNOLOGY INC	1,134,782.56	12,421	0.24		0
MML BLEND FUND	EQUITY	NATIONAL OILWELL VARCO INC	205,915.14	5,594	0.04		0
MML BLEND FUND	EQUITY	STARBUCKS CORP	3,126.06	54	0.00		0
MML BLEND FUND	EQUITY	RAYMOND JAMES FINANCIAL INC	438,109.00	4,900	0.09		0
MML BLEND FUND	EQUITY	LEGGETT + PLATT INC	3,814.96	86	0.00		0
MML BLEND FUND	EQUITY	VERIZON COMMUNICATIONS INC	342,152.10	7,155	0.07		0
MML BLEND FUND	EQUITY	JUNIPER NETWORKS INC	620,147.37	25,489	0.13		0
MML BLEND FUND	EQUITY	FISERV INC	239,031.12	3,352	0.05		0
MML BLEND FUND	EQUITY	HALLIBURTON CO	838,676.98	17,867	0.17		0
MML BLEND FUND	EQUITY	HERSHEY CO/THE	162,987.12	1,647	0.03		0
MML BLEND FUND	EQUITY	KLA TENCOR CORP	2,146,297.89	19,689	0.45		0
MML BLEND FUND	EQUITY	TIFFANY + CO	78,323.32	802	0.02		0
MML BLEND FUND	EQUITY	VORNADO REALTY TRUST	92,402.90	1,373	0.02		0
MML BLEND FUND	EQUITY	ZIONS BANCORPORATION	223,627.93	4,241	0.05		0
MML BLEND FUND	EQUITY	AVALONBAY COMMUNITIES INC	342,241.26	2,081	0.07		0
MML BLEND FUND	EQUITY	BOSTON PROPERTIES INC	369.66	3	0.00		0
MML BLEND FUND	EQUITY	EQUITY RESIDENTIAL	3,450.72	56	0.00		0
MML BLEND FUND	EQUITY	HOST HOTELS + RESORTS INC	518,881.68	27,837	0.11		0
MML BLEND FUND	EQUITY	DUKE REALTY CORP	1,803,288.00	68,100	0.37		0
MML BLEND FUND	EQUITY	PUBLIC STORAGE	40,679.17	203	0.01		0
MML BLEND FUND	EQUITY	SIMON PROPERTY GROUP INC	99,555.75	645	0.02		0
MML BLEND FUND	EQUITY	AIR PRODUCTS + CHEMICALS INC	1,239,638.85	7,795	0.26		0
MML BLEND FUND	EQUITY	AUTOMATIC DATA PROCESSING	545,725.32	4,809	0.11		0
MML BLEND FUND	EQUITY	CIGNA CORP	1,092,322.88	6,512	0.23		0
MML BLEND FUND	EQUITY	CATERPILLAR INC	3,044,133.90	20,655	0.63		0
MML BLEND FUND	EQUITY	COLGATE PALMOLIVE CO	423,342.08	5,906	0.09		0
MML BLEND FUND	EQUITY	ECOLAB INC	274.14	2	0.00		0
MML BLEND FUND	EQUITY	GENERAL MILLS INC	88,407.72	1,962	0.02		0
MML BLEND FUND	EQUITY	GOLDMAN SACHS GROUP INC	3,269,142.80	12,980	0.68		0
MML BLEND FUND	EQUITY	PAYCHEX INC	3,941.76	64	0.00		0

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML BLEND FUND	EQUITY	ROSS STORES INC	206,179.12	2,644	0.04		0
MML BLEND FUND	EQUITY	SCHLUMBERGER LTD	293,518.18	4,531	0.06		0
MML BLEND FUND	EQUITY	AUTOZONE INC	320,452.86	494	0.07		0
MML BLEND FUND	EQUITY	AVERY DENNISON CORP	203,468.75	1,915	0.04		0
MML BLEND FUND	EQUITY	BOEING CO/THE	5,997,580.96	18,292	1.24		0
MML BLEND FUND	EQUITY	CORNING INC	185,875.96	6,667	0.04		0
MML BLEND FUND	EQUITY	DOVER CORP	508,092.06	5,173	0.11		0
MML BLEND FUND	EQUITY	EQUIFAX INC	15,550.92	132	0.00		0
MML BLEND FUND	EQUITY	WELLS FARGO + CO	912,772.56	17,416	0.19		0
MML BLEND FUND	EQUITY	BAXTER INTERNATIONAL INC	2,416,951.44	37,161	0.50		0
MML BLEND FUND	EQUITY	H+R BLOCK INC	738,490.83	29,063	0.15		0
MML BLEND FUND	EQUITY	GENUINE PARTS CO	3,054.56	34	0.00		0
MML BLEND FUND	EQUITY	KIMBERLY CLARK CORP	808,904.85	7,345	0.17		0
MML BLEND FUND	EQUITY	MASCO CORP	1,011.00	25	0.00		0
MML BLEND FUND	EQUITY	PNC FINANCIAL SERVICES GROUP	1,953,718.32	12,918	0.41		0
MML BLEND FUND	EQUITY	TORCHMARK CORP	276,245.94	3,282	0.06		0
MML BLEND FUND	EQUITY	ALLIANCE DATA SYSTEMS CORP	187,316.80	880	0.04		0
MML BLEND FUND	EQUITY	ROCKWELL COLLINS INC	1,078.80	8	0.00		0
MML BLEND FUND	EQUITY	ZIMMER BIOMET HOLDINGS INC	267,693.20	2,455	0.06		0
MML BLEND FUND	EQUITY	AMERISOURCEBERGEN CORP	129,918.47	1,507	0.03		0
MML BLEND FUND	EQUITY	CHEVRON CORP	2,028,543.52	17,788	0.42		0
MML BLEND FUND	EQUITY	PRINCIPAL FINANCIAL GROUP	495,137.39	8,129	0.10		0
MML BLEND FUND	EQUITY	FOOT LOCKER INC	1,926,342.00	42,300	0.40		0
MML BLEND FUND	EQUITY	ABBOTT LABORATORIES	1,893,531.92	31,601	0.39		0
MML BLEND FUND	EQUITY	BRISTOL MYERS SQUIBB CO	1,313,512.75	20,767	0.27		0
MML BLEND FUND	EQUITY	ILLINOIS TOOL WORKS	2,335,017.30	14,905	0.48		0
MML BLEND FUND	EQUITY	LOWE S COS INC	8,336.25	95	0.00		0
MML BLEND FUND	EQUITY	MARSH + MCLENNAN COS	480,095.67	5,813	0.10		0
MML BLEND FUND	EQUITY	MATTEL INC	1,183.50	90	0.00		0
MML BLEND FUND	EQUITY	NUCOR CORP	3,421.04	56	0.00		0
MML BLEND FUND	EQUITY	SYSCO CORP	319,826.64	5,334	0.07		0
MML BLEND FUND	EQUITY	TEXAS INSTRUMENTS INC	2,314,045.86	22,274	0.48		0
MML BLEND FUND	EQUITY	TEXTRON INC	275,507.84	4,672	0.06		0
MML BLEND FUND	EQUITY	CADENCE DESIGN SYS INC	1,195,025.00	32,500	0.25		0
MML BLEND FUND	EQUITY	COSTCO WHOLESALE CORP	1,388,729.10	7,370	0.29		0
MML BLEND FUND	EQUITY	INTEL CORP	8,563,149.84	164,423	1.78		0
MML BLEND FUND	EQUITY	JOHNSON + JOHNSON	7,320,184.30	57,122	1.52		0
MML BLEND FUND	EQUITY	ELI LILLY + CO	1,285,425.18	16,614	0.27		0
MML BLEND FUND	EQUITY	MCDONALD S CORP	1,149,393.00	7,350	0.24		0
MML BLEND FUND	EQUITY	STATE STREET CORP	1,742,881.48	17,476	0.36		0
MML BLEND FUND	EQUITY	SYNOPSIS INC	49,944.00	600	0.01		0
MML BLEND FUND	EQUITY	TARGET CORP	1,200,166.98	17,286	0.25		0
MML BLEND FUND	EQUITY	UNITED TECHNOLOGIES CORP	177,406.20	1,410	0.04		0
MML BLEND FUND	EQUITY	WASTE MANAGEMENT INC	165,968.76	1,973	0.03		0
MML BLEND FUND	EQUITY	WHIRLPOOL CORP	190,315.73	1,243	0.04		0
MML BLEND FUND	EQUITY	AMERICAN EXPRESS CO	2,196,650.72	23,549	0.46		0
MML BLEND FUND	EQUITY	COCA COLA CO/THE	648,409.90	14,930	0.13		0
MML BLEND FUND	EQUITY	MARRIOTT INTERNATIONAL CL A	1,926,972.58	14,171	0.40		0
MML BLEND FUND	EQUITY	NIKE INC CL B	5,580.96	84	0.00		0
MML BLEND FUND	EQUITY	ANALOG DEVICES INC	97,691.36	1,072	0.02		0
MML BLEND FUND	EQUITY	CARDINAL HEALTH INC	988,965.04	15,778	0.21		0
MML BLEND FUND	EQUITY	HARLEY DAVIDSON INC	1,496,597.76	34,902	0.31		0

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML BLEND FUND	EQUITY	INTERPUBLIC GROUP OF COS INC	159,413.66	6,922	0.03		0
MML BLEND FUND	EQUITY	KROGER CO	836,894.52	34,958	0.17		0
MML BLEND FUND	EQUITY	PEPSICO INC	3,958,870.50	36,270	0.82		0
MML BLEND FUND	EQUITY	UNITED PARCEL SERVICE CL B	510,740.80	4,880	0.11		0
MML BLEND FUND	EQUITY	SHERWIN WILLIAMS CO/THE	1,176.36	3	0.00		0
MML BLEND FUND	EQUITY	SNAP ON INC	147.54	1	0.00		0
MML BLEND FUND	EQUITY	ANADARKO PETROLEUM CORP	2,899.68	48	0.00		0
MML BLEND FUND	EQUITY	DEERE + CO	911,728.40	5,870	0.19		0
MML BLEND FUND	EQUITY	KIMCO REALTY CORP	39,844.80	2,767	0.01		0
MML BLEND FUND	EQUITY	CAPITAL ONE FINANCIAL CORP	875,986.44	9,142	0.18		0
MML BLEND FUND	EQUITY	CISCO SYSTEMS INC	4,419,471.38	103,042	0.92		0
MML BLEND FUND	EQUITY	WALT DISNEY CO/THE	200.88	2	0.00		0
MML BLEND FUND	EQUITY	EXXON MOBIL CORP	4,767,355.17	63,897	0.99		0
MML BLEND FUND	EQUITY	GAP INC/THE	342,888.00	10,990	0.07		0
MML BLEND FUND	EQUITY	GENERAL ELECTRIC CO	1,159.28	86	0.00		0
MML BLEND FUND	EQUITY	HOME DEPOT INC	2,118,738.88	11,887	0.44		0
MML BLEND FUND	EQUITY	MICROSOFT CORP	15,305,522.65	167,695	3.18		0
MML BLEND FUND	EQUITY	MICRON TECHNOLOGY INC	1,554,658.38	29,817	0.32		0
MML BLEND FUND	EQUITY	MORGAN STANLEY	3,323,774.12	61,597	0.69		0
MML BLEND FUND	EQUITY	OMNICOM GROUP	272,294.49	3,747	0.06		0
MML BLEND FUND	EQUITY	ORACLE CORP	4,005,732.75	87,557	0.83		0
MML BLEND FUND	EQUITY	PFIZER INC	7,354,983.09	207,241	1.53		0
MML BLEND FUND	EQUITY	PRAXAIR INC	972,004.80	6,736	0.20		0
MML BLEND FUND	EQUITY	WALMART INC	2,751,130.34	30,922	0.57		0
MML BLEND FUND	EQUITY	WATERS CORP	305,921.00	1,540	0.06		0
MML BLEND FUND	EQUITY	TOTAL SYSTEM SERVICES INC	2,251,989.82	26,107	0.47		0
MML BLEND FUND	EQUITY	VENTAS INC	1,427,702.25	28,825	0.30		0
MML BLEND FUND	EQUITY	RED HAT INC	2,269,711.31	15,181	0.47		0
MML BLEND FUND	EQUITY	ADOBE SYSTEMS INC	2,722,608.00	12,600	0.57		0
MML BLEND FUND	EQUITY	HORMEL FOODS CORP	539,922.24	15,732	0.11		0
MML BLEND FUND	EQUITY	MCCORMICK + CO NON VTG SHRS	17,128.79	161	0.00		0
MML BLEND FUND	EQUITY	UNITEDHEALTH GROUP INC	5,766,016.00	26,944	1.20		0
MML BLEND FUND	EQUITY	AUTODESK INC	4,646.46	37	0.00		0
MML BLEND FUND	EQUITY	JACOBS ENGINEERING GROUP INC	1,615,978.00	27,320	0.34		0
MML BLEND FUND	EQUITY	LABORATORY CRP OF AMER HLDGS	323.50	2	0.00		0
MML BLEND FUND	EQUITY	NORTHERN TRUST CORP	521,734.67	5,059	0.11		0
MML BLEND FUND	EQUITY	NORDSTROM INC	111,730.28	2,308	0.02		0
MML BLEND FUND	EQUITY	KELLOGG CO	547,904.28	8,428	0.11		0
MML BLEND FUND	EQUITY	M + T BANK CORP	249,807.80	1,355	0.05		0
MML BLEND FUND	EQUITY	PACKAGING CORP OF AMERICA	84,525.00	750	0.02		0
MML BLEND FUND	EQUITY	CUMMINS INC	1,911,851.55	11,795	0.40		0
MML BLEND FUND	EQUITY	DR HORTON INC	953,388.48	21,747	0.20		0
MML BLEND FUND	EQUITY	DTE ENERGY COMPANY	315,288.00	3,020	0.07		0
MML BLEND FUND	EQUITY	DEVON ENERGY CORP	1,387,538.13	43,647	0.29		0
MML BLEND FUND	EQUITY	DOMINION ENERGY INC	115,709.88	1,716	0.02		0
MML BLEND FUND	EQUITY	EASTMAN CHEMICAL CO	640,870.60	6,070	0.13		0
MML BLEND FUND	EQUITY	ENTERGY CORP	1,693,612.44	21,498	0.35		0
MML BLEND FUND	EQUITY	FIRSTENERGY CORP	1,529,769.80	44,980	0.32		0
MML BLEND FUND	EQUITY	GOODYEAR TIRE + RUBBER CO	115,649.58	4,351	0.02		0
MML BLEND FUND	EQUITY	HELMERICH + PAYNE	3,993.60	60	0.00		0
MML BLEND FUND	EQUITY	HUMANA INC	291,411.72	1,084	0.06		0
MML BLEND FUND	EQUITY	INTERNATIONAL PAPER CO	191,653.41	3,587	0.04		0

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML BLEND FUND	EQUITY	KEYCORP	640,536.20	32,764	0.13		0
MML BLEND FUND	EQUITY	LAM RESEARCH CORP	2,117,536.68	10,423	0.44		0
MML BLEND FUND	EQUITY	LOCKHEED MARTIN CORP	517,032.90	1,530	0.11		0
MML BLEND FUND	EQUITY	NORFOLK SOUTHERN CORP	1,060,849.14	7,813	0.22		0
MML BLEND FUND	EQUITY	NORTHROP GRUMMAN CORP	1,385,308.16	3,968	0.29		0
MML BLEND FUND	EQUITY	OCCIDENTAL PETROLEUM CORP	864,942.40	13,315	0.18		0
MML BLEND FUND	EQUITY	P G + E CORP	611,329.88	13,916	0.13		0
MML BLEND FUND	EQUITY	PPL CORP	328,673.22	11,618	0.07		0
MML BLEND FUND	EQUITY	PIONEER NATURAL RESOURCES CO	171.78	1	0.00		0
MML BLEND FUND	EQUITY	PUBLIC SERVICE ENTERPRISE GP	71,541.76	1,424	0.01		0
MML BLEND FUND	EQUITY	PULTEGROUP INC	497,584.77	16,873	0.10		0
MML BLEND FUND	EQUITY	SCANA CORP	110,659.85	2,947	0.02		0
MML BLEND FUND	EQUITY	THERMO FISHER SCIENTIFIC INC	819,852.66	3,971	0.17		0
MML BLEND FUND	EQUITY	MARATHON OIL CORP	1,719,893.51	106,627	0.36		0
MML BLEND FUND	EQUITY	UNION PACIFIC CORP	2,246,594.16	16,712	0.47		0
MML BLEND FUND	EQUITY	UNITED RENTALS INC	1,228,110.30	7,110	0.25		0
MML BLEND FUND	EQUITY	VALERO ENERGY CORP	3,107,795.00	33,500	0.65		0
MML BLEND FUND	EQUITY	CHESAPEAKE ENERGY CORP	271.80	90	0.00		0
MML BLEND FUND	EQUITY	HOLOGIC INC	52,304.00	1,400	0.01		0
MML BLEND FUND	EQUITY	QUEST DIAGNOSTICS INC	331,892.70	3,309	0.07		0
MML BLEND FUND	EQUITY	RANGE RESOURCES CORP	1,439.46	99	0.00		0
MML BLEND FUND	EQUITY	AMETEK INC	1,937,235.00	25,500	0.40		0
MML BLEND FUND	EQUITY	ANSYS INC	368,221.50	2,350	0.08		0
MML BLEND FUND	EQUITY	APPLIED MATERIALS INC	2,298,861.79	41,339	0.48		0
MML BLEND FUND	EQUITY	CABOT OIL + GAS CORP	1,151.04	48	0.00		0
MML BLEND FUND	EQUITY	CELGENE CORP	1,443,060.96	16,176	0.30		0
MML BLEND FUND	EQUITY	COGNIZANT TECH SOLUTIONS A	825,608.00	10,256	0.17		0
MML BLEND FUND	EQUITY	COOPER COS INC/THE	283,724.40	1,240	0.06		0
MML BLEND FUND	EQUITY	FLIR SYSTEMS INC	142,628.52	2,852	0.03		0
MML BLEND FUND	EQUITY	FLOWSERVE CORP	3,033.10	70	0.00		0
MML BLEND FUND	EQUITY	FIFTH THIRD BANCORP	2,146,966.75	67,621	0.45		0
MML BLEND FUND	EQUITY	FREEMPORT MCMORAN INC	1,245,080.48	70,864	0.26		0
MML BLEND FUND	EQUITY	BB+T CORP	164,758.64	3,166	0.03		0
MML BLEND FUND	EQUITY	COMERICA INC	836,605.53	8,721	0.17		0
MML BLEND FUND	EQUITY	SEMPRA ENERGY	248,131.82	2,231	0.05		0
MML BLEND FUND	EQUITY	PROGRESSIVE CORP	1,103,686.02	18,114	0.23		0
MML BLEND FUND	EQUITY	AMAZON.COM INC	5,138,057.00	3,550	1.07		0
MML BLEND FUND	EQUITY	MCKESSON CORP	1,060,046.75	7,525	0.22		0
MML BLEND FUND	EQUITY	CINTAS CORP	320,349.24	1,878	0.07		0
MML BLEND FUND	EQUITY	ROBERT HALF INTL INC	1,505.14	26	0.00		0
MML BLEND FUND	EQUITY	BANK OF AMERICA CORP	8,352,155.02	278,498	1.73		0
MML BLEND FUND	EQUITY	EMERSON ELECTRIC CO	332,552.70	4,869	0.07		0
MML BLEND FUND	EQUITY	WW GRAINGER INC	960,282.54	3,402	0.20		0
MML BLEND FUND	EQUITY	HARRIS CORP	124,185.60	770	0.03		0
MML BLEND FUND	EQUITY	INTL BUSINESS MACHINES CORP	2,307,587.20	15,040	0.48		0
MML BLEND FUND	CASH	US DOLLAR	114,220.57	114,221	0.02		0
MML BLEND FUND	EQUITY	EDWARDS LIFESCIENCES CORP	4,185.60	30	0.00		0
MML BLEND FUND	EQUITY	FASTENAL CO	4,476.38	82	0.00		0
MML BLEND FUND	EQUITY	EBAY INC	836,066.48	20,777	0.17		0
MML BLEND FUND	EQUITY	BROWN FORMAN CORP CLASS B	816.00	15	0.00		0
MML BLEND FUND	EQUITY	BORGWARNER INC	1,672,659.00	33,300	0.35		0
MML BLEND FUND	EQUITY	EOG RESOURCES INC	681,939.06	6,478	0.14		0

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML BLEND FUND	EQUITY	EDISON INTERNATIONAL	1,115,705.16	17,526	0.23		0
MML BLEND FUND	EQUITY	STERICYCLE INC	5,677.41	97	0.00		0
MML BLEND FUND	EQUITY	VARIAN MEDICAL SYSTEMS INC	257,197.05	2,097	0.05		0
MML BLEND FUND	EQUITY	WESTERN DIGITAL CORP	2,366,448.69	25,647	0.49		0
MML BLEND FUND	EQUITY	AMPHENOL CORP CL A	367,258.32	4,264	0.08		0
MML BLEND FUND	EQUITY	APARTMENT INVT + MGMT CO A	27,913.75	685	0.01		0
MML BLEND FUND	EQUITY	BALL CORP	158.84	4	0.00		0
MML BLEND FUND	EQUITY	ESSEX PROPERTY TRUST INC	361,020.00	1,500	0.07		0
MML BLEND FUND	EQUITY	GILEAD SCIENCES INC	4,117,047.90	54,610	0.85		0
MML BLEND FUND	EQUITY	NVIDIA CORP	1,733,682.74	7,486	0.36		0
MML BLEND FUND	EQUITY	SYMANTEC CORP	1,421.75	55	0.00		0
MML BLEND FUND	EQUITY	UNIVERSAL HEALTH SERVICES B	5,920.50	50	0.00		0
MML BLEND FUND	EQUITY	BECTON DICKINSON AND CO	1,224,788.40	5,652	0.25		0
MML BLEND FUND	EQUITY	CENTURYLINK INC	460.04	28	0.00		0
MML BLEND FUND	EQUITY	CLOROX COMPANY	96,238.53	723	0.02		0
MML BLEND FUND	EQUITY	CONAGRA BRANDS INC	1,666,017.12	45,174	0.35		0
MML BLEND FUND	EQUITY	FRANKLIN RESOURCES INC	221,501.16	6,387	0.05		0
MML BLEND FUND	EQUITY	GENERAL DYNAMICS CORP	132,981.80	602	0.03		0
MML BLEND FUND	EQUITY	HASBRO INC	38,862.30	461	0.01		0
MML BLEND FUND	EQUITY	HONEYWELL INTERNATIONAL INC	2,156,378.22	14,922	0.45		0
MML BLEND FUND	EQUITY	PROCTER + GAMBLE CO/THE	5,456,763.12	68,829	1.13		0
MML BLEND FUND	EQUITY	AES CORP	635,435.19	55,887	0.13		0
MML BLEND FUND	EQUITY	AMGEN INC	4,736,104.88	27,781	0.98		0
MML BLEND FUND	EQUITY	APPLE INC	20,116,318.66	119,897	4.18		0
MML BLEND FUND	EQUITY	BEST BUY CO INC	832,321.08	11,892	0.17		0
MML BLEND FUND	EQUITY	BOSTON SCIENTIFIC CORP	1,273,112.00	46,600	0.26		0
MML BLEND FUND	EQUITY	CVS HEALTH CORP	1,349,583.74	21,694	0.28		0
MML BLEND FUND	EQUITY	LINCOLN NATIONAL CORP	2,253,974.06	30,851	0.47		0
MML BLEND FUND	EQUITY	LOEWS CORP	1,033,538.59	20,783	0.21		0
MML BLEND FUND	EQUITY	NISOURCE INC	17,047.83	713	0.00		0
MML BLEND FUND	EQUITY	PINNACLE WEST CAPITAL	111,400.80	1,396	0.02		0
MML BLEND FUND	EQUITY	SOUTHERN CO/THE	353,796.52	7,922	0.07		0
MML BLEND FUND	EQUITY	UNUM GROUP	1,758,284.91	36,931	0.36		0
MML BLEND FUND	EQUITY	DARDEN RESTAURANTS INC	226,253.50	2,654	0.05		0
MML BLEND FUND	EQUITY	MID AMERICA APARTMENT COMM	5,474.40	60	0.00		0
MML BLEND FUND	EQUITY	PERKINELMER INC	205,958.40	2,720	0.04		0
MML BLEND FUND	EQUITY	ROPER TECHNOLOGIES INC	186,097.47	663	0.04		0
MML BLEND FUND	EQUITY	EVEREST RE GROUP LTD	770,460.00	3,000	0.16		0
MML BLEND FUND	EQUITY	ALASKA AIR GROUP INC	1,344,532.00	21,700	0.28		0
MML BLEND FUND	EQUITY	ALBEMARLE CORP	473,901.40	5,110	0.10		0
MML BLEND FUND	EQUITY	ALLSTATE CORP	1,140,918.00	12,035	0.24		0
MML BLEND FUND	EQUITY	AMEREN CORPORATION	37,375.80	660	0.01		0
MML BLEND FUND	EQUITY	AMERICAN ELECTRIC POWER	575,127.15	8,385	0.12		0
MML BLEND FUND	EQUITY	APACHE CORP	808.08	21	0.00		0
MML BLEND FUND	EQUITY	ARCHER DANIELS MIDLAND CO	3,990.04	92	0.00		0
MML BLEND FUND	EQUITY	CMS ENERGY CORP	357,926.87	7,903	0.07		0
MML BLEND FUND	EQUITY	CSX CORP	195,374.97	3,507	0.04		0
MML BLEND FUND	EQUITY	CINCINNATI FINANCIAL CORP	328,154.94	4,419	0.07		0
MML BLEND FUND	EQUITY	CONSOLIDATED EDISON INC	170,065.08	2,182	0.04		0
MML BLEND FUND	EQUITY	EXPEDITORS INTL WASH INC	7,975.80	126	0.00		0
MML BLEND FUND	EQUITY	NEWMONT MINING CORP	924,786.90	23,670	0.19		0
MML BLEND FUND	EQUITY	ROYAL CARIBBEAN CRUISES LTD	437,992.80	3,720	0.09		0

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML BLEND FUND	EQUITY	F5 NETWORKS INC	896,582.00	6,200	0.19	0	
MML BLEND FUND	EQUITY	INTUIT INC	1,683,228.50	9,710	0.35	0	
MML BLEND FUND	EQUITY	LEUCADIA NATIONAL CORP	841.01	37	0.00	0	
MML BLEND FUND	EQUITY	HUNTINGTON BANCSHARES INC	102,680.00	6,800	0.02	0	
MML BLEND FUND	EQUITY	STRYKER CORP	745,059.60	4,630	0.15	0	
MML BLEND FUND	EQUITY	ESTEE LAUDER COMPANIES CL A	1,184,285.20	7,910	0.25	0	
MML BLEND FUND	EQUITY	CITRIX SYSTEMS INC	7,145.60	77	0.00	0	
MML BLEND FUND	FIXED INCOME	ENCANA CORP	96,651.89	80,000	0.05	6.5	2/1/2038
MML BLEND FUND	FIXED INCOME	FANNIE MAE	132,311.02	123,381	0.06	5.5	4/25/2037
MML BLEND FUND	FIXED INCOME	UNITEDHEALTH GROUP INC	151,116.96	110,000	0.07	6.875	2/15/2038
MML BLEND FUND	FIXED INCOME	AAMES MORTGAGE INVESTMENT TRUS	94,014.44	94,335	0.04	3.5965	1/25/2035
MML BLEND FUND	FIXED INCOME	ISRAEL ELECTRIC CORP LTD	203,824.00	200,000	0.10	7.25	1/15/2019
MML BLEND FUND	FIXED INCOME	FNMA POOL 530520	12,653.20	11,094	0.01	7.5	3/1/2030
MML BLEND FUND	FIXED INCOME	BANK OF AMERICA CORP	131,531.08	95,000	0.06	7.75	5/14/2038
MML BLEND FUND	FIXED INCOME	REGIONS BANK	130,722.87	130,000	0.06	7.5	5/15/2018
MML BLEND FUND	FIXED INCOME	UNITED TECHNOLOGIES CORP	98,709.47	80,000	0.05	6.125	7/15/2038
MML BLEND FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	540,027.40	550,000	0.26	1.9152	1/25/2041
MML BLEND FUND	EQUITY	SWAP BARCLAYS BANK BOC	(790,000.00)	(790,000)	0.37	0	
MML BLEND FUND	EQUITY	SWAP CREDIT SUISSE BOC	(900,000.00)	(900,000)	0.43	0	
MML BLEND FUND	FIXED INCOME	TIME WARNER CABLE LLC	68,064.42	65,000	0.03	8.75	2/14/2019
MML BLEND FUND	FIXED INCOME	PETROLEOS MEXICANOS	37,277.50	37,000	0.02	6.625	6/15/2038
MML BLEND FUND	FIXED INCOME	US TREASURY N/B	1,362,256.31	1,240,000	0.65	3.5	2/15/2039
MML BLEND FUND	FIXED INCOME	TIME WARNER CABLE LLC	47,225.07	45,000	0.02	8.25	4/1/2019
MML BLEND FUND	FIXED INCOME	USF+G CAPITAL I	207,207.42	150,000	0.10	8.5	12/15/2045
MML BLEND FUND	FIXED INCOME	GNMA POOL 352021	2,343.79	2,165	0.00	7	11/15/2023
MML BLEND FUND	FIXED INCOME	FNMA POOL 524317	1,215.46	1,053	0.00	7.5	3/1/2030
MML BLEND FUND	FIXED INCOME	KINDER MORGAN ENER PART	72,739.74	65,000	0.03	6.375	3/1/2041
MML BLEND FUND	FIXED INCOME	GSAMP TRUST	22,543.22	22,396	0.01	2.5165	4/25/2035
MML BLEND FUND	FIXED INCOME	MASTR ASSET BACKED SECURITIES	66,418.71	66,227	0.03	2.5915	3/25/2035
MML BLEND FUND	FIXED INCOME	WILLIS TOWERS WATSON PLC	244,779.15	230,000	0.12	5.75	3/15/2021
MML BLEND FUND	FIXED INCOME	GNMA POOL 359587	13.96	14	0.00	7	6/15/2023
MML BLEND FUND	FIXED INCOME	FED HM LN PC POOL C00470	16,590.02	14,600	0.01	8	8/1/2026
MML BLEND FUND	FIXED INCOME	SPRINT COMMUNICATIONS	467,400.00	410,000	0.22	9.25	4/15/2022
MML BLEND FUND	FIXED INCOME	GNMA POOL 354674	4,034.39	3,727	0.00	7	10/15/2023
MML BLEND FUND	FIXED INCOME	FED HM LN PC POOL G00924	16,561.59	14,563	0.01	8	3/1/2028
MML BLEND FUND	FIXED INCOME	FNMA POOL 253183	3,749.48	3,270	0.00	7.5	4/1/2030
MML BLEND FUND	FIXED INCOME	FNMA POOL 252981	8,929.87	7,785	0.00	7.5	1/1/2030
MML BLEND FUND	FIXED INCOME	FNMA POOL 522769	74.01	64	0.00	7.5	12/1/2029
MML BLEND FUND	FIXED INCOME	FNMA POOL 535351	3,161.16	2,706	0.00	8	6/1/2030
MML BLEND FUND	CASH	US DOLLAR	(399,318.15)	(399,318)	0.19	0	
MML BLEND FUND	CASH	EURO CURRENCY	7.41	6	0.00	0	
MML BLEND FUND	FIXED INCOME	HIGHWOODS REALTY LP	265,417.11	265,000	0.13	7.5	4/15/2018
MML BLEND FUND	FIXED INCOME	FNMA POOL 253481	2,521.95	2,147	0.00	8	10/1/2030
MML BLEND FUND	FIXED INCOME	FED HM LN PC POOL C01079	7,515.26	6,521	0.00	7.5	10/1/2030
MML BLEND FUND	FIXED INCOME	FED HM LN PC POOL C01135	23,346.52	20,291	0.01	7.5	2/1/2031
MML BLEND FUND	FIXED INCOME	FNMA POOL 602008	2,925.12	2,514	0.00	8	8/1/2031
MML BLEND FUND	FIXED INCOME	PROGRESS ENERGY INC	32,507.96	25,000	0.02	7	10/30/2031
MML BLEND FUND	FIXED INCOME	FNMA POOL 190317	1,004.15	859	0.00	8	8/1/2031
MML BLEND FUND	FIXED INCOME	FED HM LN PC POOL C55867	53,605.17	47,974	0.03	7.5	2/1/2030
MML BLEND FUND	FIXED INCOME	FREDDIE MAC	415,637.53	390,429	0.20	5.5	10/15/2033
MML BLEND FUND	FIXED INCOME	COUNTRYWIDE HOME LOANS	20,201.58	19,777	0.01	3.71823	2/25/2034
MML BLEND FUND	FIXED INCOME	WAMU MORTGAGE PASS THROUGH CER	73,572.48	72,451	0.03	2.68253	4/25/2044

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML BLEND FUND	FIXED INCOME	ERAC USA FINANCE LLC	96,278.60	78,000	0.05	6.7	6/1/2034
MML BLEND FUND	FIXED INCOME	UNITED MEXICAN STATES	198,988.80	160,000	0.09	6.75	9/27/2034
MML BLEND FUND	FIXED INCOME	XLIT LTD	375,580.04	325,000	0.18	6.375	11/15/2024
MML BLEND FUND	FIXED INCOME	MERRILL LYNCH MORTGAGE INVESTO	3,697.20	3,981	0.00	3.52401	2/25/2034
MML BLEND FUND	FIXED INCOME	FLORIDA POWER + LIGHT CO	142,300.61	125,000	0.07	4.95	6/1/2035
MML BLEND FUND	FIXED INCOME	MORGAN STANLEY MORTGAGE LOAN T	250.39	234	0.00	3.49997	2/25/2034
MML BLEND FUND	FIXED INCOME	LONG BEACH MORTGAGE LOAN TRUST	21,749.24	21,739	0.01	2.6965	6/25/2035
MML BLEND FUND	FIXED INCOME	GNMA II TBA 30 YR 4.5	416,031.24	400,000	0.20	4.5	4/19/2048
MML BLEND FUND	FIXED INCOME	XCEL ENERGY INC	311,121.40	240,000	0.15	6.5	7/1/2036
MML BLEND FUND	FIXED INCOME	ANADARKO PETROLEUM CORP	299,741.60	250,000	0.14	6.45	9/15/2036
MML BLEND FUND	FIXED INCOME	NEVADA POWER CO	180,509.11	135,000	0.09	6.65	4/1/2036
MML BLEND FUND	FIXED INCOME	GOLDMAN SACHS GROUP INC	236,955.55	212,000	0.11	5.95	1/15/2027
MML BLEND FUND	FIXED INCOME	VALE OVERSEAS LIMITED	111,739.00	95,000	0.05	6.875	11/21/2036
MML BLEND FUND	FIXED INCOME	COUNTRYWIDE HOME LOANS	6,880.32	7,389	0.00	3.88666	9/25/2033
MML BLEND FUND	FIXED INCOME	GSR MORTGAGE LOAN TRUST	7,669.55	7,662	0.00	3.59628	8/25/2034
MML BLEND FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	115,662.71	120,000	0.05	1.8952	3/25/2044
MML BLEND FUND	FIXED INCOME	BANK OF AMERICA CORP	264,696.70	220,000	0.13	6.11	1/29/2037
MML BLEND FUND	FIXED INCOME	KINDER MORGAN ENER PART	135,485.86	120,000	0.06	6.5	2/1/2037
MML BLEND FUND	FIXED INCOME	JP MORGAN CHASE COMMERCIAL MOR	76,527.58	76,703	0.04	5.466	6/12/2047
MML BLEND FUND	FIXED INCOME	PACIFIC GAS + ELECTRIC	137,999.48	120,000	0.07	5.8	3/1/2037
MML BLEND FUND	FIXED INCOME	EXPEDIA INC	432,071.11	425,000	0.20	7.456	8/15/2018
MML BLEND FUND	FIXED INCOME	CHUBB CORP	49,985.00	50,000	0.02	3.97152	3/29/2067
MML BLEND FUND	FIXED INCOME	KINDER MORGAN ENER PART	12,055.20	10,000	0.01	6.95	1/15/2038
MML BLEND FUND	FIXED INCOME	TIAA SEASONED COMMERCIAL MORTG	24,562.82	24,659	0.01	5.47658	8/15/2039
MML BLEND FUND	FIXED INCOME	GOLDMAN SACHS GROUP INC	93,953.49	75,000	0.04	6.75	10/1/2037
MML BLEND FUND	FIXED INCOME	WACHOVIA BANK COMMERCIAL MORTG	121,328.21	120,138	0.06	6.0112	2/15/2051
MML BLEND FUND	FIXED INCOME	INTL LEASE FINANCE CORP	270,048.60	270,000	0.13	3.875	4/15/2018
MML BLEND FUND	FIXED INCOME	CMS ENERGY CORP	120,772.87	115,000	0.06	4.7	3/31/2043
MML BLEND FUND	FIXED INCOME	CKE RESTAURANTS HOLDINGS INC	150,589.37	150,466	0.07	4.474	3/20/2043
MML BLEND FUND	FIXED INCOME	GOLDENTREE LOAN OPPORTUNITIES	301,097.35	301,074	0.14	2.8952	4/25/2025
MML BLEND FUND	FIXED INCOME	FIRST FRANKLIN MTG LOAN ASSET	436,931.42	420,000	0.21	3.5965	1/25/2035
MML BLEND FUND	FIXED INCOME	OHA CREDIT PARTNERS LTD	266,222.40	266,137	0.13	2.8647	4/20/2025
MML BLEND FUND	FIXED INCOME	JPMORGAN CHASE + CO	138,224.54	140,000	0.07	3.375	5/1/2023
MML BLEND FUND	FIXED INCOME	CONTINENTAL RESOURCES	252,812.50	250,000	0.12	4.5	4/15/2023
MML BLEND FUND	FIXED INCOME	LYB INTL FINANCE BV	191,859.38	175,000	0.09	5.25	7/15/2043
MML BLEND FUND	FIXED INCOME	CNH INDUSTRIAL CAPITAL L	116,029.00	116,000	0.05	3.625	4/15/2018
MML BLEND FUND	FIXED INCOME	FORD MOTOR CREDIT CO LLC	202,897.42	200,000	0.10	4.375	8/6/2023
MML BLEND FUND	FIXED INCOME	HILTON GRAND VACATIONS TRUST	38,558.35	38,970	0.02	2.28	1/25/2026
MML BLEND FUND	FIXED INCOME	ALLSTATE CORP	361,387.50	345,000	0.17	5.75	8/15/2053
MML BLEND FUND	FIXED INCOME	HYUNDAI CAPITAL AMERICA	134,997.36	135,000	0.06	2.875	8/9/2018
MML BLEND FUND	FIXED INCOME	PETROLEOS MEXICANOS	96,100.00	100,000	0.05	3.5	1/30/2023
MML BLEND FUND	FIXED INCOME	QVC INC	150,127.39	150,000	0.07	4.375	3/15/2023
MML BLEND FUND	FIXED INCOME	ALLY FINANCIAL INC	362,772.00	360,000	0.17	4.75	9/10/2018
MML BLEND FUND	FIXED INCOME	VERIZON COMMUNICATIONS	182,756.81	149,000	0.09	6.55	9/15/2043
MML BLEND FUND	FIXED INCOME	NELNET STUDENT LOAN TRUST	176,678.71	176,319	0.08	2.5015	1/25/2037
MML BLEND FUND	FIXED INCOME	HSBC HOLDINGS PLC	201,054.32	200,000	0.10	4.25	3/14/2024
MML BLEND FUND	FIXED INCOME	MCKESSON CORP	63,683.12	60,000	0.03	4.883	3/15/2044
MML BLEND FUND	FIXED INCOME	AXIS SPECIALTY FINAN PLC	94,792.09	95,000	0.04	2.65	4/1/2019
MML BLEND FUND	FIXED INCOME	LEAR CORP	89,145.57	85,000	0.04	5.375	3/15/2024
MML BLEND FUND	FIXED INCOME	FREDDIE MAC	279,438.51	275,627	0.13	3.5	12/15/2038
MML BLEND FUND	FIXED INCOME	CALIFORNIA ST	182,721.60	120,000	0.09	7.55	4/1/2039
MML BLEND FUND	FIXED INCOME	ENCANA CORP	129,594.06	125,000	0.06	6.5	5/15/2019

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML BLEND FUND	FIXED INCOME	ONCOR ELECTRIC DELIVERY	59,079.83	40,000	0.03	7.5	9/1/2038
MML BLEND FUND	FIXED INCOME	TIME WARNER CABLE LLC	125,229.81	110,000	0.06	6.75	6/15/2039
MML BLEND FUND	FIXED INCOME	CITIGROUP INC	136,287.45	90,000	0.06	8.125	7/15/2039
MML BLEND FUND	FIXED INCOME	CVS HEALTH CORP	207,572.76	175,000	0.10	6.125	9/15/2039
MML BLEND FUND	FIXED INCOME	CENTURYLINK INC	143,850.00	140,000	0.07	6.15	9/15/2019
MML BLEND FUND	FIXED INCOME	REPUBLIC OF COLOMBIA	714,550.00	620,000	0.34	6.125	1/18/2041
MML BLEND FUND	FIXED INCOME	MAJAPAHIT HOLDING BV	209,176.50	195,000	0.10	7.75	1/20/2020
MML BLEND FUND	FIXED INCOME	CISCO SYSTEMS INC	69,000.55	55,000	0.03	5.5	1/15/2040
MML BLEND FUND	FIXED INCOME	INCITEC PIVOT FIN LLC	193,161.78	185,000	0.09	6	12/10/2019
MML BLEND FUND	FIXED INCOME	GNMA II TBA 30 YR 4	1,850,343.84	1,800,000	0.88	4	4/19/2048
MML BLEND FUND	FIXED INCOME	BRAMBLES USA INC	93,489.29	90,000	0.04	5.35	4/1/2020
MML BLEND FUND	FIXED INCOME	KINDER MORGAN ENER PART	494,618.02	475,000	0.23	5.3	9/15/2020
MML BLEND FUND	FIXED INCOME	KINDER MORGAN ENER PART	103,277.80	90,000	0.05	6.55	9/15/2040
MML BLEND FUND	FIXED INCOME	FANNIE MAE	89,021.56	84,292	0.04	5.5	5/25/2040
MML BLEND FUND	FIXED INCOME	CENOVUS ENERGY INC	115,205.70	100,000	0.05	6.75	11/15/2039
MML BLEND FUND	FIXED INCOME	ARCELORMITTAL	641,175.00	618,000	0.30	5.5	8/5/2020
MML BLEND FUND	FIXED INCOME	QEP RESOURCES INC	275,600.00	260,000	0.13	6.875	3/1/2021
MML BLEND FUND	FIXED INCOME	KNOWLEDGEWORKS FOUNDATION	161,016.53	160,539	0.08	2.89363	2/25/2042
MML BLEND FUND	FIXED INCOME	SVB FINANCIAL GROUP	79,058.44	75,000	0.04	5.375	9/15/2020
MML BLEND FUND	FIXED INCOME	ASCIANO FINANCE LTD	107,421.81	105,000	0.05	4.625	9/23/2020
MML BLEND FUND	FIXED INCOME	PETROLEOS MEXICANOS	296,685.00	285,000	0.14	5.5	1/21/2021
MML BLEND FUND	FIXED INCOME	SLC STUDENT LOAN TRUST	124,142.60	125,000	0.06	2.02019	7/15/2036
MML BLEND FUND	FIXED INCOME	WELLS FARGO COMMERCIAL MORTGAG	18,536.64	18,420	0.01	3.349	11/15/2043
MML BLEND FUND	FIXED INCOME	CALIFORNIA ST	162,428.70	105,000	0.08	7.6	11/1/2040
MML BLEND FUND	FIXED INCOME	SOUTH CAROLINA ST STUDENT LOAN	172,351.10	170,000	0.08	2.795	10/27/2036
MML BLEND FUND	FIXED INCOME	ORANGE CNTY CA LOCAL TRANSPRTN	314,600.90	230,000	0.15	6.908	2/15/2041
MML BLEND FUND	FIXED INCOME	GOLDMAN SACHS GROUP INC	76,081.16	60,000	0.04	6.25	2/1/2041
MML BLEND FUND	FIXED INCOME	AMERICAN INTL GROUP	197,406.63	200,000	0.09	4.5	7/16/2044
MML BLEND FUND	FIXED INCOME	GLOBAL SC FINANCE SRL	155,862.61	158,333	0.07	3.19	7/17/2029
MML BLEND FUND	FIXED INCOME	FREDDIE MAC	392,252.62	392,606	0.19	3	8/15/2043
MML BLEND FUND	FIXED INCOME	FANNIE MAE	209,131.03	205,162	0.10	3.5	5/25/2025
MML BLEND FUND	FIXED INCOME	SPIRE INC	312,511.37	290,000	0.15	4.7	8/15/2044
MML BLEND FUND	FIXED INCOME	MIRAMAX LLC	133,233.71	133,728	0.06	3.34	7/20/2026
MML BLEND FUND	FIXED INCOME	AMTRUST FINANCIAL SERVIC	478,018.01	495,000	0.23	6.125	8/15/2023
MML BLEND FUND	FIXED INCOME	MARATHON PETROLEUM CORP	100,525.19	100,000	0.05	4.75	9/15/2044
MML BLEND FUND	FIXED INCOME	WELLS FARGO + COMPANY	175,551.21	159,000	0.08	5.375	11/2/2043
MML BLEND FUND	FIXED INCOME	GLOBAL SC FINANCE SRL	147,319.73	147,870	0.07	3.67	11/17/2028
MML BLEND FUND	FIXED INCOME	LAZARD GROUP LLC	616,692.07	600,000	0.29	4.25	11/14/2020
MML BLEND FUND	FIXED INCOME	WPP FINANCE 2010	221,264.83	204,000	0.10	5.625	11/15/2043
MML BLEND FUND	FIXED INCOME	DIAMOND RESORTS OWNER TRUST	276,726.63	276,735	0.13	2.27	5/20/2026
MML BLEND FUND	FIXED INCOME	FIVE CORNERS FUNDING TRS	224,561.22	215,000	0.11	4.419	11/15/2023
MML BLEND FUND	FIXED INCOME	VNO MORTGAGE TRUST	243,768.10	240,000	0.12	3.808	12/13/2029
MML BLEND FUND	FIXED INCOME	ARCH CAPITAL GRP US INC	187,846.17	170,000	0.09	5.144	11/1/2043
MML BLEND FUND	FIXED INCOME	LEGG MASON INC	190,011.68	175,000	0.09	5.625	1/15/2044
MML BLEND FUND	FIXED INCOME	WELLS FARGO + COMPANY	126,122.66	110,000	0.06	5.606	1/15/2044
MML BLEND FUND	FIXED INCOME	HYUNDAI CAPITAL AMERICA	169,531.05	170,000	0.08	2.55	2/6/2019
MML BLEND FUND	FIXED INCOME	COMM MORTGAGE TRUST	327,688.44	319,000	0.16	3.961	3/10/2047
MML BLEND FUND	FIXED INCOME	HOME DEPOT INC	191,949.16	150,000	0.09	5.95	4/1/2041
MML BLEND FUND	FIXED INCOME	TIME WARNER INC	29,190.66	25,000	0.01	6.25	3/29/2041
MML BLEND FUND	FIXED INCOME	ASCIANO FINANCE LTD	250,054.00	250,000	0.12	5	4/7/2018
MML BLEND FUND	FIXED INCOME	INTL LEASE FINANCE CORP	15,514.85	15,000	0.01	6.25	5/15/2019
MML BLEND FUND	FIXED INCOME	NORTH CAROLINA STATE EDUCATION	251,189.43	250,000	0.12	2.5452	7/25/2036

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML BLEND FUND	FIXED INCOME	JPMORGAN CHASE + CO	235,820.80	195,000	0.11	5.6	7/15/2041
MML BLEND FUND	FIXED INCOME	XLIT LTD	124,138.19	115,000	0.06	5.75	10/1/2021
MML BLEND FUND	FIXED INCOME	NEWFIELD EXPLORATION CO	209,000.00	200,000	0.10	5.75	1/30/2022
MML BLEND FUND	FIXED INCOME	LEIDOS HOLDINGS INC	847,525.00	835,000	0.40	4.45	12/1/2020
MML BLEND FUND	FIXED INCOME	AMGEN INC	100,036.18	90,000	0.05	5.15	11/15/2041
MML BLEND FUND	FIXED INCOME	NISOURCE INC	204,434.14	175,000	0.10	5.8	2/1/2042
MML BLEND FUND	FIXED INCOME	MARATHON PETROLEUM CORP	207,494.23	170,000	0.10	6.5	3/1/2041
MML BLEND FUND	FIXED INCOME	CVS PASS THROUGH TRUST	298,278.15	271,435	0.14	5.926	1/10/2034
MML BLEND FUND	FIXED INCOME	ENERGY TRANSFER PARTNERS	108,011.48	100,000	0.05	6.5	2/1/2042
MML BLEND FUND	FIXED INCOME	HUGHES SATELLITE SYSTEMS	180,250.00	175,000	0.09	6.5	6/15/2019
MML BLEND FUND	FIXED INCOME	UNITED MEXICAN STATES	704,090.00	724,000	0.33	4.75	3/8/2044
MML BLEND FUND	FIXED INCOME	PLAINS ALL AMER PIPELINE	188,393.38	191,000	0.09	3.65	6/1/2022
MML BLEND FUND	FIXED INCOME	ERICSSON LM	496,409.62	500,000	0.24	4.125	5/15/2022
MML BLEND FUND	FIXED INCOME	ACADEMIC LOAN FUNDING TRUST	491,285.87	490,110	0.23	2.9715	12/27/2044
MML BLEND FUND	FIXED INCOME	KINROSS GOLD CORP	389,100.00	375,000	0.18	5.125	9/1/2021
MML BLEND FUND	FIXED INCOME	WESTERN GAS PARTNERS	479,892.38	481,000	0.23	4	7/1/2022
MML BLEND FUND	FIXED INCOME	WF RBS COMMERCIAL MORTGAGE TRU	193,941.06	190,000	0.09	4.311	8/15/2045
MML BLEND FUND	FIXED INCOME	CENOVUS ENERGY INC	192,766.31	200,000	0.09	3	8/15/2022
MML BLEND FUND	FIXED INCOME	GENERAL ELECTRIC CO	250,288.17	270,000	0.12	4.125	10/9/2042
MML BLEND FUND	FIXED INCOME	UNITEDHEALTH GROUP INC	54,004.53	55,000	0.03	3.95	10/15/2042
MML BLEND FUND	FIXED INCOME	KENNAMETAL INC	148,801.02	150,000	0.07	2.65	11/1/2019
MML BLEND FUND	FIXED INCOME	NATIONAL OILWELL VARCO I	189,484.53	216,000	0.09	3.95	12/1/2042
MML BLEND FUND	FIXED INCOME	TEVA PHARMA FIN IV LLC	189,528.58	200,000	0.09	2.25	3/18/2020
MML BLEND FUND	EQUITY	ALLSTATE CORP	534,200.00	20,000	0.25	0	
MML BLEND FUND	FIXED INCOME	JOBSONIO BEVERAGE SYS STWD LIQ	354,558.75	325,000	0.17	4.532	1/1/2035
MML BLEND FUND	FIXED INCOME	QVC INC	30,942.90	30,000	0.01	5.125	7/2/2022
MML BLEND FUND	FIXED INCOME	ARROW ELECTRONICS INC	82,344.05	80,000	0.04	4.5	3/1/2023
MML BLEND FUND	FIXED INCOME	SUNOCO LOGISTICS PARTNER	69,763.95	75,000	0.03	5.3	4/1/2044
MML BLEND FUND	FIXED INCOME	TURKIYE GARANTI BANKASI	447,864.02	445,000	0.21	4.75	10/17/2019
MML BLEND FUND	FIXED INCOME	PLAINS ALL AMER PIPELINE	89,281.08	100,000	0.04	4.7	6/15/2044
MML BLEND FUND	FIXED INCOME	GLENCORE FUNDING LLC	363,271.50	355,000	0.17	4.625	4/29/2024
MML BLEND FUND	FIXED INCOME	ADT CORP	783,960.00	752,000	0.37	6.25	10/15/2021
MML BLEND FUND	FIXED INCOME	ANTERO RESOURCES CORP	548,432.50	539,000	0.26	5.375	11/1/2021
MML BLEND FUND	FIXED INCOME	PENNSYLVANIA ELECTRIC CO	300,566.70	295,000	0.14	4.15	4/15/2025
MML BLEND FUND	FIXED INCOME	QVC INC	154,915.13	155,000	0.07	3.125	4/1/2019
MML BLEND FUND	FIXED INCOME	GNMA POOL 783896	795,743.51	785,859	0.38	3.5	5/15/2044
MML BLEND FUND	FIXED INCOME	MONSANTO CO	97,259.41	100,000	0.05	4.4	7/15/2044
MML BLEND FUND	FIXED INCOME	FS INVESTMENT CORP	507,523.24	505,000	0.24	4	7/15/2019
MML BLEND FUND	FIXED INCOME	OSCAR US FUNDING TRUST	348,016.55	350,000	0.16	2.44	6/15/2022
MML BLEND FUND	FIXED INCOME	CITIGROUP INC	556,135.07	562,000	0.26	3.875	3/26/2025
MML BLEND FUND	FIXED INCOME	XLIT LTD	109,688.72	100,000	0.05	5.5	3/31/2045
MML BLEND FUND	FIXED INCOME	XLIT LTD	397,559.44	395,000	0.19	4.45	3/31/2025
MML BLEND FUND	FIXED INCOME	AT+T INC	203,961.30	210,000	0.10	4.75	5/15/2046
MML BLEND FUND	FIXED INCOME	ABBVIE INC	170,151.17	165,000	0.08	4.7	5/14/2045
MML BLEND FUND	FIXED INCOME	COMM MORTGAGE TRUST	136,085.73	140,000	0.06	4.2537	5/10/2048
MML BLEND FUND	FIXED INCOME	ENLINK MIDSTREAM PARTNER	121,491.35	125,000	0.06	4.15	6/1/2025
MML BLEND FUND	FIXED INCOME	CNO FINANCIAL GROUP INC	462,675.00	465,000	0.22	5.25	5/30/2025
MML BLEND FUND	FIXED INCOME	WENDYS FUNDING LLC	308,738.98	302,250	0.15	4.08	6/15/2045
MML BLEND FUND	FIXED INCOME	CNH INDUSTRIAL CAPITAL L	229,425.00	230,000	0.11	3.375	7/15/2019
MML BLEND FUND	FIXED INCOME	ARCELORMITTAL	329,600.00	320,000	0.16	5.125	6/1/2020
MML BLEND FUND	FIXED INCOME	WELK RESORTS LLC	106,669.64	108,533	0.05	2.79	6/16/2031
MML BLEND FUND	FIXED INCOME	REYNOLDS AMERICAN INC	140,380.55	120,000	0.07	5.85	8/15/2045

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML BLEND FUND	FIXED INCOME	ENERGY TRANSFER PARTNERS	77,839.99	75,000	0.04	6.125	12/15/2045
MML BLEND FUND	FIXED INCOME	CAZENOVIA CREEK FUNDING LLC	31,954.58	31,995	0.02	2	12/10/2023
MML BLEND FUND	FIXED INCOME	321 HENDERSON RECEIVABLES LLC	94,065.78	93,032	0.04	3.87	3/15/2058
MML BLEND FUND	FIXED INCOME	SPIRIT AIR 2015 1 PTT A	304,316.96	304,927	0.14	4.1	10/1/2029
MML BLEND FUND	FIXED INCOME	AERCAP IRELAND CAP/GLOBA	297,056.58	290,000	0.14	4.5	5/15/2021
MML BLEND FUND	FIXED INCOME	HELMERICH + PAYNE INTL	197,269.56	190,000	0.09	4.65	3/15/2025
MML BLEND FUND	FIXED INCOME	DRB PRIME STUDENT LOAN TRUST	145,116.36	146,289	0.07	3.17	7/25/2031
MML BLEND FUND	FIXED INCOME	DRB PRIME STUDENT LOAN TRUST	41,147.36	39,903	0.02	3.5312	10/27/2031
MML BLEND FUND	FIXED INCOME	AUTORIDAD CANAL DE PANAM	225,487.50	210,000	0.11	4.95	7/29/2035
MML BLEND FUND	FIXED INCOME	SBA TOWER TRUST	206,465.70	210,000	0.10	3.156	10/10/2045
MML BLEND FUND	FIXED INCOME	DOMINOS PIZZA MASTER ISSUER LL	502,886.89	501,075	0.24	3.484	10/25/2045
MML BLEND FUND	FIXED INCOME	DOMINOS PIZZA MASTER ISSUER LL	556,508.01	530,550	0.26	4.474	10/25/2045
MML BLEND FUND	FIXED INCOME	SIERRA RECEIVABLES FUNDING CO	30,026.77	30,201	0.01	3.08	9/20/2032
MML BLEND FUND	FIXED INCOME	BRAMBLES USA INC	135,508.07	134,000	0.06	4.125	10/23/2025
MML BLEND FUND	FIXED INCOME	MICROSOFT CORP	365,330.96	330,000	0.17	4.45	11/3/2045
MML BLEND FUND	FIXED INCOME	ALLY FINANCIAL INC	485,606.25	485,000	0.23	3.25	11/5/2018
MML BLEND FUND	FIXED INCOME	ARBYS FUNDING LLC	315,421.64	312,800	0.15	4.969	10/30/2045
MML BLEND FUND	FIXED INCOME	BLUE VIRGO	173,122.81	172,799	0.08	3	12/15/2022
MML BLEND FUND	FIXED INCOME	IPALCO ENTERPRISES INC	615,061.50	615,000	0.29	3.45	7/15/2020
MML BLEND FUND	FIXED INCOME	BUNGE LTD FINANCE CORP	160,548.47	160,000	0.08	3.5	11/24/2020
MML BLEND FUND	FIXED INCOME	BANK OF NOVA SCOTIA	204,175.52	200,000	0.10	4.5	12/16/2025
MML BLEND FUND	FIXED INCOME	EXPRESS SCRIPTS HOLDING	183,267.93	180,000	0.09	4.5	2/25/2026
MML BLEND FUND	FIXED INCOME	ELEMENT RAIL LEASING LLC	174,603.15	174,058	0.08	3.968	3/19/2046
MML BLEND FUND	FIXED INCOME	TRINITY ACQUISITION PLC	269,636.41	270,000	0.13	3.5	9/15/2021
MML BLEND FUND	FIXED INCOME	TRINITY ACQUISITION PLC	70,931.94	70,000	0.03	4.4	3/15/2026
MML BLEND FUND	FIXED INCOME	OSCAR US FUNDING TRUST	53,713.71	53,500	0.03	3.4766	7/15/2020
MML BLEND FUND	FIXED INCOME	AIRCASTLE LTD	283,593.75	275,000	0.13	5	4/1/2023
MML BLEND FUND	FIXED INCOME	ANDEAVOR LOGIS LP/CORP	101,733.60	97,000	0.05	6.25	10/15/2022
MML BLEND FUND	FIXED INCOME	AMCOR FINANCE USA INC	472,419.83	490,000	0.22	3.625	4/28/2026
MML BLEND FUND	FIXED INCOME	ONDECK ASSET SECURITIZATION TR	130,068.50	130,000	0.06	4.21	5/17/2020
MML BLEND FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	744,924.83	750,000	0.35	2.2952	10/25/2064
MML BLEND FUND	FIXED INCOME	TACO BELL FUNDING, LLC	387,306.39	385,125	0.18	3.832	5/25/2046
MML BLEND FUND	FIXED INCOME	US TREASURY N/B	3,610,528.81	3,970,000	1.71	2.5	5/15/2046
MML BLEND FUND	FIXED INCOME	DRB PRIME STUDENT LOAN TRUST	234,882.24	238,463	0.11	2.89	6/25/2040
MML BLEND FUND	FIXED INCOME	DELL INT LLC / EMC CORP	81,846.01	76,000	0.04	6.02	6/15/2026
MML BLEND FUND	FIXED INCOME	DELL INT LLC / EMC CORP	452,035.41	450,000	0.21	3.48	6/1/2019
MML BLEND FUND	FIXED INCOME	DRIVE AUTO RECEIVABLES TRUST	15,959.66	15,959	0.01	2.56	6/15/2020
MML BLEND FUND	FIXED INCOME	SOCIAL PROFESSIONAL LOAN PROGR	238,371.73	235,068	0.11	3.0715	6/25/2033
MML BLEND FUND	FIXED INCOME	SOCIAL PROFESSIONAL LOAN PROGR	296,800.74	300,000	0.14	2.74	10/25/2032
MML BLEND FUND	FIXED INCOME	BAXALTA INC	152,881.03	140,000	0.07	5.25	6/23/2045
MML BLEND FUND	FIXED INCOME	FLIR SYSTEMS INC	193,147.77	195,000	0.09	3.125	6/15/2021
MML BLEND FUND	FIXED INCOME	REINSURANCE GRP OF AMER	356,320.40	360,000	0.17	3.95	9/15/2026
MML BLEND FUND	FIXED INCOME	OXFORD FINANCE FUNDING TRUST	219,486.56	220,000	0.10	3.968	6/17/2024
MML BLEND FUND	FIXED INCOME	WESTJET AIRLINES LTD	116,521.33	117,000	0.06	3.5	6/16/2021
MML BLEND FUND	FIXED INCOME	SOFI CONSUMER LOAN PROGRAM TRU	460,242.98	459,945	0.22	3.26	8/25/2025
MML BLEND FUND	FIXED INCOME	SBA TOWER TRUST	196,980.00	200,000	0.09	2.877	7/10/2046
MML BLEND FUND	FIXED INCOME	MOLSON COORS BREWING CO	85,068.04	90,000	0.04	4.2	7/15/2046
MML BLEND FUND	FIXED INCOME	EXPRESS SCRIPTS HOLDING	197,949.05	195,000	0.09	4.8	7/15/2046
MML BLEND FUND	FIXED INCOME	HEALTHCARE TRUST OF AMER	190,592.64	200,000	0.09	3.5	8/1/2026
MML BLEND FUND	FIXED INCOME	FED HM LN PC POOL Q41916	282,684.23	280,156	0.13	3.5	7/1/2046
MML BLEND FUND	FIXED INCOME	FED HM LN PC POOL Q42045	111,954.49	110,953	0.05	3.5	7/1/2046
MML BLEND FUND	FIXED INCOME	ENLINK MIDSTREAM PARTNER	150,538.81	149,000	0.07	4.85	7/15/2026

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML BLEND FUND	FIXED INCOME	COMCAST CORP	189,022.29	220,000	0.09	3.4	7/15/2046
MML BLEND FUND	FIXED INCOME	SMB PRIVATE EDUCATION LOAN TRU	239,381.32	245,000	0.11	2.43	2/17/2032
MML BLEND FUND	FIXED INCOME	AMER AIRLN 14 1 B PTT	33,318.35	33,202	0.02	4.375	4/1/2024
MML BLEND FUND	FIXED INCOME	MORGAN STANLEY	201,425.86	200,000	0.10	4.35	9/8/2026
MML BLEND FUND	FIXED INCOME	AMERICAN AIRLINES GROUP	1,410,923.85	1,379,000	0.67	5.5	10/1/2019
MML BLEND FUND	FIXED INCOME	EL PUERTO DE LIVERPOOL	427,756.25	445,000	0.20	3.95	10/2/2024
MML BLEND FUND	FIXED INCOME	CAPITAL AUTOMOTIVE REIT	157,762.88	160,000	0.07	3.66	10/15/2044
MML BLEND FUND	FIXED INCOME	PETROLEOS MEXICANOS	77,760.00	80,000	0.04	6.375	1/23/2045
MML BLEND FUND	FIXED INCOME	STANDARD INDUSTRIES INC	249,075.00	246,000	0.12	5.375	11/15/2024
MML BLEND FUND	FIXED INCOME	ASSOC BANC CORP	457,692.53	460,000	0.22	2.75	11/15/2019
MML BLEND FUND	FIXED INCOME	CRONOS CONTAINERS PROGRAM LTD	187,119.77	188,889	0.09	3.27	11/18/2029
MML BLEND FUND	FIXED INCOME	ASSOC BANC CORP	501,206.97	494,000	0.24	4.25	1/15/2025
MML BLEND FUND	FIXED INCOME	SABINE PASS LIQUEFACTION	269,094.93	250,000	0.13	5.75	5/15/2024
MML BLEND FUND	FIXED INCOME	ENTERGY LOUISIANA LLC	168,668.94	165,000	0.08	4.95	1/15/2045
MML BLEND FUND	FIXED INCOME	LENNAR CORP	519,870.00	516,000	0.25	4.5	11/15/2019
MML BLEND FUND	FIXED INCOME	ARES CAPITAL CORP	530,463.65	525,000	0.25	3.875	1/15/2020
MML BLEND FUND	FIXED INCOME	BECTON DICKINSON AND CO	226,494.42	225,000	0.11	4.685	12/15/2044
MML BLEND FUND	FIXED INCOME	INGRAM MICRO INC	196,526.16	203,000	0.09	5.45	12/15/2024
MML BLEND FUND	FIXED INCOME	SVB FINANCIAL GROUP	449,471.09	460,000	0.21	3.5	1/29/2025
MML BLEND FUND	FIXED INCOME	AFFILIATED MANAGERS GROU	284,346.61	290,000	0.13	3.5	8/1/2025
MML BLEND FUND	FIXED INCOME	PHILLIPS 66 PARTNERS LP	27,310.29	28,000	0.01	4.68	2/15/2045
MML BLEND FUND	FIXED INCOME	ARROW ELECTRONICS INC	253,044.20	255,000	0.12	3.5	4/1/2022
MML BLEND FUND	FIXED INCOME	ELEMENT RAIL LEASING LLC	60,506.60	61,223	0.03	2.707	2/19/2045
MML BLEND FUND	FIXED INCOME	ALLERGAN FUNDING SCS	97,898.14	100,000	0.05	4.55	3/15/2035
MML BLEND FUND	FIXED INCOME	ALLERGAN FUNDING SCS	186,397.98	190,000	0.09	4.75	3/15/2045
MML BLEND FUND	FIXED INCOME	VERIZON COMMUNICATIONS	375,413.93	372,000	0.18	4.862	8/21/2046
MML BLEND FUND	FIXED INCOME	PUGET ENERGY INC	347,027.04	350,000	0.16	3.65	5/15/2025
MML BLEND FUND	FIXED INCOME	AMERICAN TOWER CORP	141,474.86	140,000	0.07	4.4	2/15/2026
MML BLEND FUND	FIXED INCOME	FREDDIE MAC STACR	4,812.19	4,809	0.00	3.3215	7/25/2028
MML BLEND FUND	FIXED INCOME	ANHEUSER BUSCH INBEV FIN	620,143.78	575,000	0.29	4.9	2/1/2046
MML BLEND FUND	FIXED INCOME	BM1058478 CDS USD R F 3.00000	366,648.90	430,000	0.17	3	5/11/2063
MML BLEND FUND	FIXED INCOME	BM1058478 CDS USD P V 01MEVENT	(430,000.00)	(430,000)	0.20	1	5/11/2063
MML BLEND FUND	FIXED INCOME	STANDARD INDUSTRIES INC	184,230.00	178,000	0.09	5.5	2/15/2023
MML BLEND FUND	FIXED INCOME	CPS AUTO TRUST	27,231.30	27,265	0.01	1.62	1/15/2020
MML BLEND FUND	FIXED INCOME	TEVA PHARMACEUTICALS NE	603,336.30	670,000	0.29	2.2	7/21/2021
MML BLEND FUND	FIXED INCOME	TEVA PHARMACEUTICALS NE	96,697.73	100,000	0.05	1.7	7/19/2019
MML BLEND FUND	FIXED INCOME	TEVA PHARMACEUTICALS NE	55,156.10	75,000	0.03	4.1	10/1/2046
MML BLEND FUND	FIXED INCOME	MARLETTE FUNDING TRUST	57,007.56	56,948	0.03	3.06	1/17/2023
MML BLEND FUND	FIXED INCOME	KRAFT HEINZ FOODS CO	290,757.09	315,000	0.14	3	6/1/2026
MML BLEND FUND	FIXED INCOME	DOLLAR TREE INC	490,597.75	470,000	0.23	5.75	3/1/2023
MML BLEND FUND	FIXED INCOME	FIRST REPUBLIC BANK	679,513.37	685,000	0.32	4.375	8/1/2046
MML BLEND FUND	FIXED INCOME	SOFI CONSUMER LOAN PROGRAM TRU	301,773.16	301,559	0.14	3.09	10/27/2025
MML BLEND FUND	FIXED INCOME	EARNEST STUDENT LOAN PROGRAM L	341,858.26	336,793	0.16	3.7215	10/27/2036
MML BLEND FUND	FIXED INCOME	NAVIENT STUDENT LOAN TRUST	450,119.49	439,292	0.21	3.1215	6/25/2065
MML BLEND FUND	FIXED INCOME	WEINGARTEN REALTY INVEST	80,712.16	85,000	0.04	3.25	8/15/2026
MML BLEND FUND	FIXED INCOME	DUKE ENERGY CORP	175,883.75	195,000	0.08	3.75	9/1/2046
MML BLEND FUND	FIXED INCOME	BUNGE LTD FINANCE CORP	155,127.71	165,000	0.07	3.25	8/15/2026
MML BLEND FUND	FIXED INCOME	CAPITAL AUTOMOTIVE REIT	139,073.93	138,717	0.07	4.18	4/15/2047
MML BLEND FUND	FIXED INCOME	TAL ADVANTAGE LLC	384,854.87	374,251	0.18	4.5	4/20/2042
MML BLEND FUND	FIXED INCOME	BANCO SANTANDER SA	199,213.09	200,000	0.09	4.25	4/11/2027
MML BLEND FUND	FIXED INCOME	SBA TOWER TRUST	256,313.67	260,000	0.12	3.168	4/9/2047
MML BLEND FUND	FIXED INCOME	BANK OF AMERICA CORP	204,195.44	200,000	0.10	4.244	4/24/2038

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML BLEND FUND	FIXED INCOME	SOCIAL PROFESSIONAL LOAN PROGR	175,000.00	100	0.08	0	3/25/2033
MML BLEND FUND	FIXED INCOME	GOODGREEN TRUST	179,867.59	185,574	0.09	3.74	10/15/2052
MML BLEND FUND	FIXED INCOME	FED HM LN PC POOL Q47742	196,407.86	189,917	0.09	4	4/1/2047
MML BLEND FUND	FIXED INCOME	MID AMERICA APARTMENTS	150,020.93	155,000	0.07	3.6	6/1/2027
MML BLEND FUND	FIXED INCOME	SHERWIN WILLIAMS CO	104,518.92	105,000	0.05	4.5	6/1/2047
MML BLEND FUND	FIXED INCOME	AIMCO	250,075.75	250,000	0.12	2.8447	7/20/2026
MML BLEND FUND	FIXED INCOME	QUALCOMM INC	198,633.27	205,000	0.09	4.3	5/20/2047
MML BLEND FUND	FIXED INCOME	BECTON DICKINSON AND CO	230,999.71	240,000	0.11	3.363	6/6/2024
MML BLEND FUND	FIXED INCOME	BECTON DICKINSON AND CO	284,815.49	295,000	0.13	3.7	6/6/2027
MML BLEND FUND	FIXED INCOME	ARROW ELECTRONICS INC	140,471.75	145,000	0.07	3.875	1/12/2028
MML BLEND FUND	FIXED INCOME	OPORTUN FUNDING LLC	275,382.02	280,000	0.13	3.23	6/8/2023
MML BLEND FUND	FIXED INCOME	UDR INC	211,660.15	220,000	0.10	3.5	7/1/2027
MML BLEND FUND	FIXED INCOME	TRITON CONTAINER FINANCE LLC	156,525.72	157,788	0.07	3.52	6/20/2042
MML BLEND FUND	FIXED INCOME	DOMINOS PIZZA MASTER ISSUER LL	111,549.90	109,450	0.05	4.118	7/25/2047
MML BLEND FUND	FIXED INCOME	WELK RESORTS LLC	249,511.44	255,255	0.12	3.41	6/15/2033
MML BLEND FUND	FIXED INCOME	SABINE PASS LIQUEFACTION	236,509.44	240,000	0.11	4.2	3/15/2028
MML BLEND FUND	FIXED INCOME	EDP FINANCE BV	413,136.78	420,000	0.20	3.625	7/15/2024
MML BLEND FUND	FIXED INCOME	VSE VOI MORTGAGE LLC	257,356.34	262,301	0.12	2.54	7/20/2033
MML BLEND FUND	FIXED INCOME	OSCAR US FUNDING TRUST	680,916.84	690,000	0.32	2.99	12/15/2023
MML BLEND FUND	FIXED INCOME	PITNEY BOWES INC	461,962.50	485,000	0.22	3.625	10/1/2021
MML BLEND FUND	FIXED INCOME	HERO FUNDING TRUST	237,854.47	239,509	0.11	3.08	9/20/2042
MML BLEND FUND	FIXED INCOME	SPRINGCASTLE SPV	179,617.95	179,874	0.09	3.05	4/25/2029
MML BLEND FUND	FIXED INCOME	HESS CORP	193,787.81	198,000	0.09	4.3	4/1/2027
MML BLEND FUND	FIXED INCOME	SHIRE ACQ INV IRELAND DA	90,694.69	95,000	0.04	2.875	9/23/2023
MML BLEND FUND	FIXED INCOME	MPLX LP	139,400.00	136,000	0.07	5.5	2/15/2023
MML BLEND FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	377,653.80	398,821	0.18	1.9552	10/25/2040
MML BLEND FUND	FIXED INCOME	APIDOS CLO	250,854.25	250,000	0.12	3.2047	10/20/2028
MML BLEND FUND	FIXED INCOME	SOFI CONSUMER LOAN PROGRAM TRU	197,360.64	197,605	0.09	3.05	12/26/2025
MML BLEND FUND	FIXED INCOME	NAVIENT STUDENT LOAN TRUST	1,143,413.70	1,100,000	0.54	3.1715	3/25/2066
MML BLEND FUND	FIXED INCOME	CNH INDUSTRIAL CAP LLC	499,680.00	500,000	0.24	3.875	10/15/2021
MML BLEND FUND	FIXED INCOME	NEW RESIDENTIAL ADVANCE RECEIV	1,598,374.80	1,650,000	0.76	2.8332	10/16/2051
MML BLEND FUND	FIXED INCOME	TEXTAINER MARINE CONTAINERS LI	232,999.41	235,380	0.11	3.52	6/20/2042
MML BLEND FUND	FIXED INCOME	LENDMARK FUNDING TRUST	198,587.18	200,000	0.09	2.83	12/22/2025
MML BLEND FUND	FIXED INCOME	MARLETTE FUNDING TRUST	139,454.10	140,000	0.07	3.19	7/15/2024
MML BLEND FUND	FIXED INCOME	KINROSS GOLD CORP	162,563.80	166,000	0.08	4.5	7/15/2027
MML BLEND FUND	FIXED INCOME	CIT EDUCATION LOAN TRUST	461,533.01	490,310	0.22	2.2445	6/15/2043
MML BLEND FUND	FIXED INCOME	NABORS INDUSTRIES INC	210,186.15	215,000	0.10	5.5	1/15/2023
MML BLEND FUND	FIXED INCOME	DXC TECHNOLOGY CO	285,288.94	275,000	0.14	4.75	4/15/2027
MML BLEND FUND	FIXED INCOME	SOCIAL PROFESSIONAL LOAN PROGR	495,433.85	500,000	0.23	3.61	9/25/2040
MML BLEND FUND	FIXED INCOME	SOCIAL PROFESSIONAL LOAN PROGR	575,000.00	1,000,000	0.27	0.01	9/25/2040
MML BLEND FUND	FIXED INCOME	RPM INTERNATIONAL INC	107,164.20	110,000	0.05	3.75	3/15/2027
MML BLEND FUND	FIXED INCOME	ECMC GROUP STUDENT LOAN TRUST	377,952.81	373,435	0.18	3.0715	12/27/2066
MML BLEND FUND	FIXED INCOME	ENSTAR GROUP LTD	140,630.74	140,000	0.07	4.5	3/10/2022
MML BLEND FUND	FIXED INCOME	BROOKFIELD FINANCE LLC	458,350.63	455,000	0.22	4	4/1/2024
MML BLEND FUND	FIXED INCOME	HOST HOTELS + RESORTS LP	241,974.66	245,000	0.11	3.875	4/1/2024
MML BLEND FUND	FIXED INCOME	NEUBERGER BERMAN GRP/FIN	172,501.65	170,000	0.08	4.5	3/15/2027
MML BLEND FUND	FIXED INCOME	HUMANA INC	248,479.01	250,000	0.12	3.95	3/15/2027
MML BLEND FUND	FIXED INCOME	HUMANA INC	128,935.02	125,000	0.06	4.8	3/15/2047
MML BLEND FUND	FIXED INCOME	OSCAR US FUNDING TRUST	148,492.20	150,000	0.07	3.3	5/10/2024
MML BLEND FUND	FIXED INCOME	GENPACT LUXEMBOURG SARL	353,284.03	360,000	0.17	3.7	4/1/2022
MML BLEND FUND	FIXED INCOME	CARLYLE GLOBAL MARKET STRATEGI	754,803.75	750,000	0.36	3.05338	8/14/2030
MML BLEND FUND	FIXED INCOME	CROWN CASTLE INTL CORP	254,079.98	265,000	0.12	3.2	9/1/2024

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

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	180,426.39	186,350	0.09	3.02	8/25/2042
MML BLEND FUND	FIXED INCOME	FNMA POOL CA0181	2,412,641.12	2,350,214	1.14	4	8/1/2047
MML BLEND FUND	FIXED INCOME	AT+T INC	201,129.30	200,000	0.10	4.9	8/14/2037
MML BLEND FUND	FIXED INCOME	KIMCO REALTY CORP	153,975.29	160,000	0.07	3.3	2/1/2025
MML BLEND FUND	FIXED INCOME	GENERAL MOTORS CO	129,582.55	130,000	0.06	5.15	4/1/2038
MML BLEND FUND	FIXED INCOME	GENERAL MOTORS CO	210,401.56	215,000	0.10	4.2	10/1/2027
MML BLEND FUND	FIXED INCOME	TCP CAPITAL CORP	457,490.34	470,000	0.22	4.125	8/11/2022
MML BLEND FUND	FIXED INCOME	CENOVUS ENERGY INC	292,423.15	300,000	0.14	4.25	4/15/2027
MML BLEND FUND	FIXED INCOME	CNA FINANCIAL CORP	175,800.00	185,000	0.08	3.45	8/15/2027
MML BLEND FUND	FIXED INCOME	EARNEST STUDENT LOAN PROGRAM L	231,455.95	236,078	0.11	2.72	1/25/2041
MML BLEND FUND	FIXED INCOME	VELOCITY COMMERCIAL CAPITAL LO	231,551.26	233,308	0.11	2.99694	10/25/2046
MML BLEND FUND	FIXED INCOME	LAZARD GROUP LLC	178,950.29	184,000	0.08	3.625	3/1/2027
MML BLEND FUND	FIXED INCOME	DIAMOND RESORTS OWNER TRUST	361,034.28	368,985	0.17	3.08	11/20/2028
MML BLEND FUND	FIXED INCOME	JPMORGAN CHASE + CO	196,570.40	205,000	0.09	3.625	12/1/2027
MML BLEND FUND	FIXED INCOME	PLAINS ALL AMER PIPELINE	208,297.44	210,000	0.10	4.5	12/15/2026
MML BLEND FUND	FIXED INCOME	PENNSYLVANIA HIGHER EDUCATION	481,934.73	478,658	0.23	2.8215	11/25/2065
MML BLEND FUND	FIXED INCOME	SPS SERVICER ADVANCE RECEIVABL	670,895.39	670,000	0.32	2.75	11/15/2049
MML BLEND FUND	FIXED INCOME	SOFI CONSUMER LOAN PROGRAM TRU	951,214.82	952,706	0.45	3.06	9/25/2028
MML BLEND FUND	FIXED INCOME	ABBOTT LABORATORIES	126,092.50	115,000	0.06	4.9	11/30/2046
MML BLEND FUND	FIXED INCOME	BANK OF AMERICA CORP	401,494.60	405,000	0.19	4.183	11/25/2027
MML BLEND FUND	FIXED INCOME	NEW RESIDENTIAL ADVANCE RECEIV	447,996.11	450,000	0.21	3.1068	12/15/2050
MML BLEND FUND	FIXED INCOME	CHARTER COMM OPT LLC/CAP	249,243.39	244,000	0.12	4.464	7/23/2022
MML BLEND FUND	FIXED INCOME	CHARTER COMM OPT LLC/CAP	246,979.42	225,000	0.12	6.484	10/23/2045
MML BLEND FUND	FIXED INCOME	CHARTER COMM OPT LLC/CAP	270,760.11	270,000	0.13	3.579	7/23/2020
MML BLEND FUND	FIXED INCOME	AVNET INC	29,967.40	30,000	0.01	3.75	12/1/2021
MML BLEND FUND	FIXED INCOME	FORD MOTOR COMPANY	78,231.68	80,000	0.04	5.291	12/8/2046
MML BLEND FUND	FIXED INCOME	FNMA POOL BF0094	1,050,307.55	1,021,033	0.50	4	5/1/2056
MML BLEND FUND	FIXED INCOME	PBF HOLDING CO LLC	181,125.00	175,000	0.09	7	11/15/2023
MML BLEND FUND	FIXED INCOME	BARCLAYS PLC	257,814.67	260,000	0.12	4.337	1/10/2028
MML BLEND FUND	FIXED INCOME	GOAL CAPITAL FUNDING TRUST	503,949.25	500,000	0.24	3.5	8/25/2051
MML BLEND FUND	FIXED INCOME	CREDIT SUISSE GROUP AG	250,587.41	250,000	0.12	4.282	1/9/2028
MML BLEND FUND	FIXED INCOME	ENERGY TRANSFER PARTNERS	159,289.27	165,000	0.08	4.2	4/15/2027
MML BLEND FUND	FIXED INCOME	CCO HLDGS LLC/CAP CORP	185,133.00	195,000	0.09	5.125	5/1/2027
MML BLEND FUND	FIXED INCOME	PARK AEROSPACE HOLDINGS	342,895.00	350,000	0.16	5.25	8/15/2022
MML BLEND FUND	FIXED INCOME	PETROLEOS MEXICANOS	100,209.00	100,000	0.05	4.625	9/21/2023
MML BLEND FUND	FIXED INCOME	TECH DATA CORP	129,076.68	130,000	0.06	3.7	2/15/2022
MML BLEND FUND	FIXED INCOME	MOSAIC SOLAR LOANS LLC	76,616.49	75,098	0.04	4.45	6/20/2042
MML BLEND FUND	FIXED INCOME	FNMA POOL BF0105	263,170.94	255,836	0.12	4	6/1/2056
MML BLEND FUND	FIXED INCOME	CARLYLE GLOBAL MARKET STRATEGI	250,044.25	250,000	0.12	2.92152	10/15/2026
MML BLEND FUND	FIXED INCOME	CROWN CASTLE INTL CORP	118,000.56	120,000	0.06	4	3/1/2027
MML BLEND FUND	FIXED INCOME	ECMC GROUP STUDENT LOAN TRUST	531,118.67	524,213	0.25	3.2215	7/26/2066
MML BLEND FUND	FIXED INCOME	MPLX LP	388,424.46	372,000	0.18	4.875	6/1/2025
MML BLEND FUND	FIXED INCOME	TCI SYMPHONY CLO	344,578.10	340,000	0.16	3.20152	10/13/2029
MML BLEND FUND	FIXED INCOME	FIRST INVESTORS AUTO OWNER TRU	442,097.10	450,000	0.21	2.21	7/15/2022
MML BLEND FUND	FIXED INCOME	SOCIAL PROFESSIONAL LOAN PROGR	94,020.36	93,092	0.04	2.8215	1/25/2039
MML BLEND FUND	FIXED INCOME	ALM LOAN FUNDING	414,846.20	410,000	0.20	3.20152	10/15/2028
MML BLEND FUND	FIXED INCOME	CHURCH + DWIGHT CO INC	80,351.98	85,000	0.04	3.15	8/1/2027
MML BLEND FUND	FIXED INCOME	DAE FUNDING LLC	168,675.00	173,000	0.08	4	8/1/2020
MML BLEND FUND	FIXED INCOME	AT+T INC	100,498.10	95,000	0.05	5.25	3/1/2037
MML BLEND FUND	FIXED INCOME	AT+T INC	205,324.45	205,000	0.10	3.8	3/1/2024
MML BLEND FUND	FIXED INCOME	STANDARD INDUSTRIES INC	457,194.99	471,000	0.22	5	2/15/2027
MML BLEND FUND	FIXED INCOME	MPLX LP	36,574.62	35,000	0.02	5.2	3/1/2047

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML BLEND FUND	FIXED INCOME	SUTTONPARK STRUCTURED SETTLEME	336,008.75	347,562	0.16	4.19	1/15/2071
MML BLEND FUND	FIXED INCOME	RACE POINT CLO LTD	251,755.25	250,000	0.12	3.22494	2/20/2030
MML BLEND FUND	FIXED INCOME	SYMPHONY CLO LTD	430,101.05	430,000	0.20	2.91133	10/17/2026
MML BLEND FUND	FIXED INCOME	SOFI CONSUMER LOAN PROGRAM TRU	355,753.04	354,522	0.17	3.28	2/25/2026
MML BLEND FUND	FIXED INCOME	WILLIS NORTH AMERICA INC	102,499.42	97,000	0.05	7	9/29/2019
MML BLEND FUND	FIXED INCOME	FNMA POOL AD6437	101,981.36	94,321	0.05	5	6/1/2040
MML BLEND FUND	FIXED INCOME	COLLEGE LOAN CORPORATION TRUST	104,535.08	130,000	0.05	1.429	1/25/2047
MML BLEND FUND	FIXED INCOME	STRUCTURED RECEIVABLES FINANCE	85,326.53	87,288	0.04	3.73	8/15/2036
MML BLEND FUND	FIXED INCOME	DBUBS MORTGAGE TRUST	116,416.62	110,000	0.06	5.471	11/10/2046
MML BLEND FUND	FIXED INCOME	MCKESSON CORP	149,613.50	125,000	0.07	6	3/1/2041
MML BLEND FUND	FIXED INCOME	GNMA II TBA 30 YR 3.5	1,262,011.75	1,250,000	0.60	3.5	4/19/2048
MML BLEND FUND	FIXED INCOME	MORGAN STANLEY CAPITAL I TRUST	259,908.90	250,000	0.12	5.2	6/15/2044
MML BLEND FUND	FIXED INCOME	GS MORTGAGE SECURITIES TRUST	104,823.56	100,000	0.05	4.948	1/10/2045
MML BLEND FUND	FIXED INCOME	321 HENDERSON RECEIVABLES LLC	67,877.19	71,365	0.03	2.0066	11/15/2040
MML BLEND FUND	FIXED INCOME	GNMA II POOL 082488	101,831.91	97,998	0.05	2.375	3/20/2040
MML BLEND FUND	FIXED INCOME	FAIRWAY OUTDOOR FUNDING LLC	379,592.99	376,373	0.18	4.212	10/15/2042
MML BLEND FUND	FIXED INCOME	COMM MORTGAGE TRUST	191,895.95	195,000	0.09	3.703	10/15/2045
MML BLEND FUND	FIXED INCOME	AAMES MORTGAGE INVESTMENT TRUS	35,127.93	35,211	0.02	2.9965	6/25/2035
MML BLEND FUND	FIXED INCOME	FNMA POOL AD6996	672,075.95	622,225	0.32	5	7/1/2040
MML BLEND FUND	FIXED INCOME	TRANSELEC SA	182,407.96	175,000	0.09	4.625	7/26/2023
MML BLEND FUND	FIXED INCOME	FNMA POOL AH6787	183,608.43	173,394	0.09	4.5	3/1/2041
MML BLEND FUND	FIXED INCOME	VALLEY NATIONAL BANCORP	258,346.43	245,000	0.12	5.125	9/27/2023
MML BLEND FUND	FIXED INCOME	DBCCRE MORTGAGE TRUST	168,903.83	165,000	0.08	4.2382	1/10/2034
MML BLEND FUND	FIXED INCOME	NAVIENT STUDENT LOAN TRUST	216,553.33	220,000	0.10	3.3715	6/25/2048
MML BLEND FUND	FIXED INCOME	ARL LLC	543,855.53	550,892	0.26	2.92	6/15/2044
MML BLEND FUND	FIXED INCOME	FREDDIE MAC	235,181.92	215,509	0.11	5.5	5/15/2033
MML BLEND FUND	FIXED INCOME	FANNIE MAE	368,906.24	359,428	0.17	4	10/25/2040
MML BLEND FUND	FIXED INCOME	SOUTH CAROLINA STUDENT LOAN CO	294,547.95	290,000	0.14	2.88688	1/3/2033
MML BLEND FUND	FIXED INCOME	ARES FINANCE CO LLC	344,909.73	355,000	0.16	4	10/8/2024
MML BLEND FUND	FIXED INCOME	DIAMOND RESORTS OWNER TRUST	40,592.95	40,753	0.02	2.54	5/20/2027
MML BLEND FUND	FIXED INCOME	NAVIENT STUDENT LOAN TRUST	153,319.38	155,000	0.07	3.3715	7/26/2049
MML BLEND FUND	FIXED INCOME	SPIRIT MASTER FUNDING, LLC	159,370.29	159,604	0.08	3.5014	1/20/2045
MML BLEND FUND	FIXED INCOME	321 HENDERSON RECEIVABLES LLC	48,198.08	50,243	0.02	3.26	9/15/2072
MML BLEND FUND	FIXED INCOME	ARES CAPITAL CORP	495,518.82	510,000	0.23	3.5	2/10/2023
MML BLEND FUND	FIXED INCOME	FNMA POOL BH9008	50,852.60	49,537	0.02	4	8/1/2047
MML BLEND FUND	FIXED INCOME	AMAZON.COM INC	300,241.86	300,000	0.14	4.05	8/22/2047
MML BLEND FUND	FIXED INCOME	TRITON CONTAINER FINANCE LLC	808,320.03	815,399	0.38	3.62	8/20/2042
MML BLEND FUND	FIXED INCOME	ARROW ELECTRONICS INC	147,753.09	155,000	0.07	3.25	9/8/2024
MML BLEND FUND	FIXED INCOME	NAVIENT STUDENT LOAN TRUST	494,173.20	491,058	0.23	2.6715	7/26/2066
MML BLEND FUND	FIXED INCOME	GNMA POOL 363066	4,164.91	3,835	0.00	7	8/15/2023
MML BLEND FUND	FIXED INCOME	FNMA POOL 526380	6,773.06	5,773	0.00	8	5/1/2030
MML BLEND FUND	FIXED INCOME	FNMA POOL 536949	1,699.90	1,442	0.00	8	5/1/2030
MML BLEND FUND	FIXED INCOME	GNMA POOL 368814	232.26	230	0.00	7	10/15/2023
MML BLEND FUND	FIXED INCOME	GNMA POOL 337539	505.96	467	0.00	7	7/15/2023
MML BLEND FUND	FIXED INCOME	FNMA POOL 499386	1,554.96	1,350	0.00	7.5	9/1/2029
MML BLEND FUND	FIXED INCOME	FNMA POOL 531196	1,064.75	929	0.00	7.5	2/1/2030
MML BLEND FUND	FIXED INCOME	FNMA POOL 530299	284.43	254	0.00	7.5	3/1/2030
MML BLEND FUND	FIXED INCOME	FNMA POOL 253265	1,817.49	1,606	0.00	7.5	5/1/2030
MML BLEND FUND	FIXED INCOME	FNMA POOL 521006	721.39	629	0.00	7.5	12/1/2029
MML BLEND FUND	FIXED INCOME	FNMA POOL 253795	60,031.68	52,375	0.03	7	5/1/2031
MML BLEND FUND	FIXED INCOME	PANHANDLE PLAINS STUDENT FINAN	294,906.00	300,000	0.14	2.29	12/1/2031
MML BLEND FUND	FIXED INCOME	FNMA POOL 596656	670.72	640	0.00	8	8/1/2031

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

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 572844	26,591.49	23,088	0.01	7	4/1/2031
MML BLEND FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	549,647.93	550,000	0.26	5.073	12/15/2039
MML BLEND FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	350,000.00	350,000	0.17	4.48	6/17/2030
MML BLEND FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	50,000.00	50,000	0.02	4.49	6/17/2030
MML BLEND FUND	FIXED INCOME	BRE GRAND ISLANDER TIMESHARE I	163,130.39	166,524	0.08	2.94	5/25/2029
MML BLEND FUND	FIXED INCOME	HELIOS ISSUER, LLC	242,006.02	237,698	0.11	4.94	9/20/2049
MML BLEND FUND	FIXED INCOME	FED HM LN PC POOL Q47730	235,671.04	227,882	0.11	4	4/1/2047
MML BLEND FUND	FIXED INCOME	AVERY POINT CLO LTD	250,113.50	250,000	0.12	2.85408	1/18/2025
MML BLEND FUND	FIXED INCOME	FED HM LN PC POOL Q48208	125,046.11	118,999	0.06	4.5	5/1/2047
MML BLEND FUND	FIXED INCOME	FED HM LN PC POOL Q48869	912,891.19	870,294	0.43	4.5	6/1/2047
MML BLEND FUND	FIXED INCOME	BAIN CAPITAL CREDIT CLO, LIMIT	401,972.80	400,000	0.19	2.9947	7/20/2030
MML BLEND FUND	FIXED INCOME	TRIP RAIL MASTER FUNDING LLC	135,633.97	140,000	0.06	3.736	8/15/2047
MML BLEND FUND	FIXED INCOME	FNMA POOL BH9011	48,675.68	47,416	0.02	4	9/1/2047
MML BLEND FUND	FIXED INCOME	DRUG ROYALTY CORPORATION, INC.	11,396.82	11,410	0.01	5.8	7/15/2024
MML BLEND FUND	FIXED INCOME	ORANGE LAKE TIMESHARE TRUST	33,686.85	34,533	0.02	2.29	7/9/2029
MML BLEND FUND	FIXED INCOME	BM1047901 CDS USD P V 01MEVENT	(500,000.00)	(500,000)	0.24	1	11/17/2045
MML BLEND FUND	FIXED INCOME	HERO FUNDING TRUST	241,623.58	245,305	0.11	3.57	9/20/2047
MML BLEND FUND	FIXED INCOME	DISCOVERY COMMUNICATIONS	159,459.90	160,000	0.08	5	9/20/2037
MML BLEND FUND	FIXED INCOME	DISCOVERY COMMUNICATIONS	239,811.03	250,000	0.11	3.95	3/20/2028
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	236,875.00	250,000	0.11	4.5	3/15/2023
MML BLEND FUND	FIXED INCOME	SUNOCO LOGISTICS PARTNER	217,885.36	230,000	0.10	4	10/1/2027
MML BLEND FUND	FIXED INCOME	EQT CORP	660,089.72	690,000	0.31	3.9	10/1/2027
MML BLEND FUND	FIXED INCOME	GNMA II POOL MA4778	74,532.10	73,766	0.04	3.5	10/20/2047
MML BLEND FUND	FIXED INCOME	CLEVELAND ELECTRIC ILLUM	148,172.54	155,000	0.07	3.5	4/1/2028
MML BLEND FUND	FIXED INCOME	PLAINS ALL AMERICAN PIPE	371,525.00	385,000	0.18	6.125	12/31/2099
MML BLEND FUND	FIXED INCOME	BANK OF NOVA SCOTIA	391,656.25	415,000	0.19	4.65	12/31/2099
MML BLEND FUND	FIXED INCOME	MP CLO III, LTD	302,217.30	300,000	0.14	2.9947	10/20/2030
MML BLEND FUND	FIXED INCOME	AVERY POINT CLO LTD	570,971.28	570,000	0.27	3.23698	8/5/2027
MML BLEND FUND	FIXED INCOME	WENDYS FUNDING LLC	422,655.50	414,375	0.20	4.497	6/15/2045
MML BLEND FUND	FIXED INCOME	BLUEMOUNTAIN CLO LTD	380,962.16	380,000	0.18	3.16408	7/18/2027
MML BLEND FUND	FIXED INCOME	NELNET STUDENT LOAN TRUST	140,432.06	150,000	0.07	3.1207	6/25/2054
MML BLEND FUND	FIXED INCOME	NAVIENT STUDENT LOAN TRUST	147,850.86	150,000	0.07	3.3715	10/25/2058
MML BLEND FUND	FIXED INCOME	BM1047901 CDS USD R F 3.00000	426,335.94	500,000	0.20	3	11/17/2045
MML BLEND FUND	FIXED INCOME	ENTERGY NEW ORLEANS STORE RECO	87,889.63	89,348	0.04	2.67	6/1/2027
MML BLEND FUND	FIXED INCOME	SMB PRIVATE EDUCATION LOAN TRU	172,891.41	171,095	0.08	2.9766	7/15/2027
MML BLEND FUND	FIXED INCOME	GNMA II POOL 784026	220,158.96	217,626	0.10	3.5	12/20/2044
MML BLEND FUND	FIXED INCOME	FED HM LN PC POOL G60172	218,683.40	206,480	0.10	4.5	9/1/2043
MML BLEND FUND	FIXED INCOME	MERRILL LYNCH MORTGAGE INVESTO	3,618.18	3,491	0.00	3.62729	7/25/2033
MML BLEND FUND	FIXED INCOME	STRUCTURED ADJUSTABLE RATE MOR	30,572.96	30,176	0.01	3.69546	3/25/2034
MML BLEND FUND	FIXED INCOME	COUNTRYWIDE ASSET BACKED CERTI	22,827.47	22,842	0.01	2.3315	9/25/2034
MML BLEND FUND	FIXED INCOME	INDYMAC INDX MORTGAGE LOAN TRU	46,753.00	47,593	0.02	3.33334	8/25/2034
MML BLEND FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	160,000.00	160,000	0.08	4.08	3/15/2028
MML BLEND FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	300,102.72	300,000	0.14	2.4952	10/25/2040
MML BLEND FUND	FIXED INCOME	FNMA POOL 564594	11,646.58	10,266	0.01	7	1/1/2031
MML BLEND FUND	FIXED INCOME	GOAL CAPITAL FUNDING TRUST	147,373.42	156,028	0.07	2.39363	8/25/2042
MML BLEND FUND	FIXED INCOME	GCCFC COMMERCIAL MORTGAGE TRUS	155,617.41	153,741	0.07	5.73606	7/10/2038
MML BLEND FUND	FIXED INCOME	NELNET STUDENT LOAN TRUST	287,737.75	292,020	0.14	2.30814	3/23/2037
MML BLEND FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	328,705.38	330,000	0.16	1.8852	10/25/2028
MML BLEND FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	411,623.26	432,011	0.19	2.0352	1/25/2044
MML BLEND FUND	FIXED INCOME	NELNET STUDENT LOAN TRUST	104,199.79	113,697	0.05	2.1215	6/25/2041
MML BLEND FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	160,368.53	175,337	0.08	1.8952	4/25/2040

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML BLEND FUND	FIXED INCOME	SLC STUDENT LOAN TRUST	1,575.21	1,575	0.00	1.89019	7/15/2036
MML BLEND FUND	FIXED INCOME	SLC STUDENT LOAN TRUST	219,847.25	230,000	0.10	2.17019	7/15/2036
MML BLEND FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	144,990.93	150,000	0.07	1.8852	1/27/2042
MML BLEND FUND	FIXED INCOME	NELNET STUDENT LOAN TRUST	188,051.80	200,000	0.09	2.594	3/22/2032
MML BLEND FUND	FIXED INCOME	ACCESS GROUP INC	111,041.60	117,703	0.05	3.14363	7/1/2038
MML BLEND FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	136,000.00	136,000	0.06	4.088	3/15/2028
MML BLEND FUND	FIXED INCOME	FNMA POOL 888586	87,085.16	82,809	0.04	3.302	10/1/2034
MML BLEND FUND	FIXED INCOME	FNMA POOL 725692	49,531.34	47,184	0.02	3.225	10/1/2033
MML BLEND FUND	FIXED INCOME	GNMA POOL 362651	3,789.50	3,641	0.00	7	10/15/2023
MML BLEND FUND	FIXED INCOME	FREDDIE MAC	82,924.09	77,450	0.04	5.5	3/15/2038
MML BLEND FUND	FIXED INCOME	FNMA TBA 30 YR 4	2,308,711.05	2,250,000	1.09	4	4/12/2048
MML BLEND FUND	FIXED INCOME	FNMA POOL AS1304	277,799.35	271,686	0.13	3.5	12/1/2028
MML BLEND FUND	FIXED INCOME	NAVIENT STUDENT LOAN TRUST	460,757.50	459,006	0.22	2.5715	2/25/2070
MML BLEND FUND	FIXED INCOME	DRB PRIME STUDENT LOAN TRUST	640,593.99	640,274	0.30	3.7715	10/25/2044
MML BLEND FUND	FIXED INCOME	CIFC FUNDING LTD	342,647.58	340,000	0.16	2.54287	11/16/2030
MML BLEND FUND	FIXED INCOME	BPCE SA	396,748.38	420,000	0.19	3.5	10/23/2027
MML BLEND FUND	FIXED INCOME	BANCO SANTANDER SA	387,646.10	400,000	0.18	3.125	2/23/2023
MML BLEND FUND	FIXED INCOME	MOSAIC SOLAR LOANS LLC	165,407.84	166,794	0.08	3.82	9/20/2042
MML BLEND FUND	FIXED INCOME	HERCULES CAPITAL INC	475,045.49	470,000	0.23	4.625	10/23/2022
MML BLEND FUND	FIXED INCOME	GLENCORE FUNDING LLC	151,769.60	160,000	0.07	3.875	10/27/2027
MML BLEND FUND	FIXED INCOME	SMB PRIVATE EDUCATION LOAN TRU	147,142.34	150,000	0.07	3.5	12/16/2041
MML BLEND FUND	FIXED INCOME	CELGENE CORP	293,860.75	310,000	0.14	3.45	11/15/2027
MML BLEND FUND	FIXED INCOME	DRB PRIME STUDENT LOAN TRUST	642,834.95	640,274	0.30	3.07	10/25/2044
MML BLEND FUND	FIXED INCOME	ORANGE LAKE TIMESHARE TRUST	150,771.40	156,280	0.07	2.91	3/8/2029
MML BLEND FUND	FIXED INCOME	GOODGREEN TRUST	390,846.41	401,065	0.19	3.23	10/15/2052
MML BLEND FUND	FIXED INCOME	FED HM LN PC POOL Q44275	232,001.69	229,927	0.11	3.5	11/1/2046
MML BLEND FUND	FIXED INCOME	FED HM LN PC POOL Q44277	105,520.24	104,739	0.05	3.5	11/1/2046
MML BLEND FUND	FIXED INCOME	TREMAN PARK CLO LTD	490,198.94	490,000	0.23	3.1147	4/20/2027
MML BLEND FUND	FIXED INCOME	NELNET PRIVATE EDUCATION LOAN	161,194.82	166,058	0.08	3.6	12/26/2040
MML BLEND FUND	FIXED INCOME	ACCESS GROUP INC	394,857.99	400,000	0.19	1.699	7/1/2039
MML BLEND FUND	FIXED INCOME	DISCOVER FINANCIAL SVS	262,870.04	265,000	0.12	4.1	2/9/2027
MML BLEND FUND	FIXED INCOME	NAVIENT STUDENT LOAN TRUST	564,958.35	550,000	0.27	3.0215	7/26/2066
MML BLEND FUND	FIXED INCOME	BIRCHWOOD PARK CLO LTD	345,066.24	345,000	0.16	2.90019	7/15/2026
MML BLEND FUND	FIXED INCOME	FULTON FINANCIAL CORP	227,756.45	230,000	0.11	3.6	3/16/2022
MML BLEND FUND	FUTURE	US 10YR ULTRA FUT JUN18	-	(900,000)	0.01	0	6/20/2018
MML BLEND FUND	FIXED INCOME	VOYA FINANCIAL INC	163,834.10	180,000	0.08	4.7	1/23/2048
MML BLEND FUND	FIXED INCOME	GOLDMAN SACHS GROUP INC	254,871.43	260,000	0.12	3.814	4/23/2029
MML BLEND FUND	FIXED INCOME	NAVIENT STUDENT LOAN TRUST	711,083.18	710,000	0.34	2.5915	3/25/2067
MML BLEND FUND	FIXED INCOME	FNMA POOL AL8173	269,722.56	249,861	0.13	5	2/1/2044
MML BLEND FUND	FIXED INCOME	FED HM LN PC POOL G60485	204,250.95	193,281	0.10	4.5	10/1/2041
MML BLEND FUND	FIXED INCOME	FNMA POOL AV1897	43,613.01	42,653	0.02	3.5	12/1/2028
MML BLEND FUND	FIXED INCOME	FED HM LN PC POOL G06057	169,076.96	159,949	0.08	4.5	10/1/2040
MML BLEND FUND	FIXED INCOME	FED HM LN PC POOL C03537	236,963.36	223,938	0.11	4.5	8/1/2040
MML BLEND FUND	FIXED INCOME	EARNEST STUDENT LOAN PROGRAM L	170,809.40	172,895	0.08	3.02	5/25/2034
MML BLEND FUND	FIXED INCOME	VALE OVERSEAS LIMITED	509,437.50	475,000	0.24	5.875	6/10/2021
MML BLEND FUND	FIXED INCOME	FED HM LN PC POOL V83655	1,900,366.40	1,894,815	0.90	3.5	12/1/2047
MML BLEND FUND	FIXED INCOME	ANDEAVOR LOGIS LP/CORP	73,703.66	75,000	0.03	3.5	12/1/2022
MML BLEND FUND	FUTURE	US LONG BOND(CBT) JUN18	-	(1,600,000)	0.01	0	6/20/2018
MML BLEND FUND	FUTURE	US ULTRA BOND CBT JUN18	-	4,700,000	0.08	0	6/20/2018
MML BLEND FUND	FUTURE	US 5YR NOTE (CBT) JUN18	-	19,400,000	0.05	0	6/29/2018
MML BLEND FUND	FUTURE	US 2YR NOTE (CBT) JUN18	-	12,600,000	0.00	0	6/29/2018
MML BLEND FUND	FIXED INCOME	FED HM LN PC POOL V83763	2,306,072.39	2,299,336	1.09	3.5	12/1/2047

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML BLEND FUND	FIXED INCOME	FED HM LN PC POOL V83764	2,008,970.07	1,952,011	0.95	4	12/1/2047
MML BLEND FUND	FIXED INCOME	AXIS SPECIALTY FINAN PLC	255,579.41	265,000	0.12	4	12/6/2027
MML BLEND FUND	FIXED INCOME	HERO FUNDING TRUST	248,228.57	251,796	0.12	3.19	9/20/2048
MML BLEND FUND	FIXED INCOME	CONTINENTAL RESOURCES	253,500.00	260,000	0.12	4.375	1/15/2028
MML BLEND FUND	FIXED INCOME	FNMA POOL MA3287	1,090,229.93	1,095,193	0.52	3.5	2/1/2048
MML BLEND FUND	FIXED INCOME	MARINER FINANCE ISSUANCE TRUST	741,014.70	750,000	0.35	2.92	12/20/2029
MML BLEND FUND	FIXED INCOME	BANK OF MONTREAL	232,105.65	245,000	0.11	3.803	12/15/2032
MML BLEND FUND	FIXED INCOME	FED HM LN PC POOL Q52868	972,523.23	969,682	0.46	3.5	12/1/2047
MML BLEND FUND	FIXED INCOME	KDAC AVIATION FINANCE LIMITED	429,957.15	430,760	0.20	4.212	12/15/2042
MML BLEND FUND	FIXED INCOME	ANDEAVOR	128,781.04	135,000	0.06	3.8	4/1/2028
MML BLEND FUND	FIXED INCOME	ANDEAVOR	79,517.59	85,000	0.04	4.5	4/1/2048
MML BLEND FUND	FIXED INCOME	EDLINC STUDENT LOAN FUNDING TR	572,918.08	577,503	0.27	3.35	12/1/2047
MML BLEND FUND	FIXED INCOME	IPALCO ENTERPRISES INC	166,443.95	170,000	0.08	3.7	9/1/2024
MML BLEND FUND	FIXED INCOME	FED HM LN PC POOL V83886	3,294,112.30	3,284,746	1.56	3.5	1/1/2048
MML BLEND FUND	FIXED INCOME	ATHENE HOLDING LTD	508,592.96	530,000	0.24	4.125	1/12/2028
MML BLEND FUND	FIXED INCOME	PATTERSON UTI ENERGY INC	67,428.61	70,000	0.03	3.95	2/1/2028
MML BLEND FUND	FIXED INCOME	TSY INFL IX N/B	1,964,262.56	2,000,020	0.93	0.5	1/15/2028
MML BLEND FUND	FIXED INCOME	GNMA II POOL BE6461	382,063.13	378,837	0.18	3.5	1/20/2048
MML BLEND FUND	FIXED INCOME	TENCENT HOLDINGS LTD	216,715.39	225,000	0.10	3.595	1/19/2028
MML BLEND FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	613,731.55	610,000	0.29	2.3413	1/25/2041
MML BLEND FUND	FIXED INCOME	AERCAP IRELAND CAP/GLOBA	384,129.91	395,000	0.18	3.3	1/23/2023
MML BLEND FUND	FIXED INCOME	AERCAP IRELAND CAP/GLOBA	743,678.16	780,000	0.35	3.875	1/23/2028
MML BLEND FUND	FIXED INCOME	HERTZ VEHICLE FINANCING LLC	839,309.47	850,000	0.40	3.29	2/25/2024
MML BLEND FUND	FIXED INCOME	DEUTSCHE BANK NY	132,987.25	135,000	0.06	3.15	1/22/2021
MML BLEND FUND	FIXED INCOME	HERTZ VEHICLE FINANCING LLC	644,091.18	650,000	0.31	3.6	2/25/2024
MML BLEND FUND	FIXED INCOME	WESTERN GAS PARTNERS LP	105,213.86	105,000	0.05	4.5	3/1/2028
MML BLEND FUND	FIXED INCOME	PNMAC GMSR ISSUER TRUST	200,755.36	200,000	0.10	4.7215	2/25/2023
MML BLEND FUND	FIXED INCOME	FED HM LN PC POOL G61307	1,453,850.55	1,446,112	0.69	3.5	2/1/2048
MML BLEND FUND	FIXED INCOME	PETROLEOS MEXICANOS	64,080.00	60,000	0.03	6.5	3/13/2027
MML BLEND FUND	FIXED INCOME	TELEFONICA EMISIONES SAU	182,072.00	180,000	0.09	4.665	3/6/2038
MML BLEND FUND	FIXED INCOME	FANNIE MAE CAS	160,102.77	160,000	0.08	4.0715	8/25/2030
MML BLEND FUND	FIXED INCOME	CELGENE CORP	190,384.44	200,000	0.09	4.35	11/15/2047
MML BLEND FUND	FIXED INCOME	GENERAL MOTORS FINL CO	497,197.05	515,000	0.24	3.5	11/7/2024
MML BLEND FUND	FIXED INCOME	FNMA POOL CA0770	2,174,353.39	2,168,255	1.03	3.5	11/1/2047
MML BLEND FUND	FIXED INCOME	GNMA POOL AV1854	327,307.03	324,041	0.16	3.5	1/15/2048
MML BLEND FUND	FIXED INCOME	FNMA POOL CA1073	3,597,251.39	3,587,442	1.70	3.5	1/1/2048
MML BLEND FUND	FIXED INCOME	CVS HEALTH CORP	252,428.83	240,000	0.12	5.05	3/25/2048
MML BLEND FUND	FIXED INCOME	CVS HEALTH CORP	173,737.08	173,000	0.08	4.3	3/25/2028
MML BLEND FUND	FIXED INCOME	CVS HEALTH CORP	195,196.66	195,000	0.09	3.125	3/9/2020
MML BLEND FUND	FIXED INCOME	HIGH STREET FNDG TRUST I	1,010,415.95	1,005,000	0.48	4.111	2/15/2028
MML BLEND FUND	CASH EQUIVALENT	INTERPUBLIC GROUP COS	997,391.94	1,000,000	0.47	0	5/9/2018
MML BLEND FUND	CASH EQUIVALENT	COX ENTERPRISES INC	1,599,643.73	1,600,000	0.76	0	4/2/2018
MML BLEND FUND	FIXED INCOME	AMERICAN INTL GROUP	263,495.68	260,000	0.12	4.2	4/1/2028
MML BLEND FUND	FIXED INCOME	AMERICAN INTL GROUP	202,600.00	200,000	0.10	5.75	4/1/2048
MML BLEND FUND	FIXED INCOME	AMERICAN INTL GROUP	77,250.16	75,000	0.04	4.75	4/1/2048
MML BLEND FUND	FIXED INCOME	FREDDIE MAC STACR	209,146.51	209,000	0.10	4.15382	9/25/2030
MML BLEND FUND	FIXED INCOME	RELNET STUDENT LOAN TRUST	650,000.00	650,000	0.31	2.63688	5/25/2066
MML BLEND FUND	FIXED INCOME	CRH AMERICA FINANCE INC	318,994.14	320,000	0.15	3.95	4/4/2028
MML BLEND FUND	FIXED INCOME	AMERICAN TOWER TRUST I	311,001.36	310,000	0.15	3.652	3/23/2048
MML BLEND FUND	FIXED INCOME	FANNIE MAE BENCHMARK REMIC	110,591.63	103,763	0.05	5.5	6/25/2037
MML BLEND FUND	FIXED INCOME	GNMA II POOL 082462	77,254.14	74,350	0.04	2.375	1/20/2040
MML BLEND FUND	FIXED INCOME	EDLINC STUDENT LOAN FUNDING TR	318,344.42	270,000	0.15	6.1115	11/26/2040

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML BLEND FUND	FIXED INCOME	TIFFANY + CO	161,534.73	165,000	0.08	4.9	10/1/2044
MML BLEND FUND	FIXED INCOME	ALTERNA FUNDING LLC	63,761.06	63,881	0.03	2.5	2/15/2024
MML BLEND FUND	FIXED INCOME	BM1058692 CDS USD P V 01MEVENT	(160,000.00)	(160,000)	0.08	1	5/11/2063
MML BLEND FUND	FIXED INCOME	BM1058692 CDS USD R F 3.00000	136,427.50	160,000	0.06	3	5/11/2063
MML BLEND FUND	FIXED INCOME	FNMA POOL AV2325	149,600.62	146,309	0.07	3.5	12/1/2028
MML BLEND FUND	FIXED INCOME	SMB PRIVATE EDUCATION LOAN TRU	281,457.09	300,000	0.13	3.5	6/17/2041
MML BLEND FUND	FIXED INCOME	SOCIAL PROFESSIONAL LOAN PROGR	176,323.86	180,000	0.08	3.44	3/26/2040
MML BLEND FUND	FIXED INCOME	JP MORGAN MORTGAGE TRUST	487,051.71	499,654	0.23	3.5	1/25/2047
MML BLEND FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	2,938,974.67	2,950,000	1.39	2.3452	10/25/2065
MML BLEND FUND	FIXED INCOME	GNMA II POOL BC4641	449,669.65	445,873	0.21	3.5	9/20/2047
MML BLEND FUND	FIXED INCOME	CLEAR CREEK CLO LTD	483,178.08	480,000	0.23	2.9447	10/20/2030
MML BLEND FUND	FIXED INCOME	FNMA POOL CA0620	2,284,945.73	2,225,653	1.08	4	10/1/2047
MML BLEND FUND	FIXED INCOME	PHILLIPS 66 PARTNERS LP	130,407.51	135,000	0.06	3.75	3/1/2028
MML BLEND FUND	FIXED INCOME	GNMA II POOL AC2985	127,608.10	124,131	0.06	4	10/20/2047
MML BLEND FUND	FIXED INCOME	GNMA II POOL BC4885	677,032.66	670,693	0.32	3.5	11/20/2047
MML BLEND FUND	FIXED INCOME	NP SPE II LLC	375,163.93	380,000	0.18	4.219	10/21/2047
MML BLEND FUND	FIXED INCOME	FED HM LN PC POOL V83796	2,935,096.17	2,858,389	1.39	4	12/1/2047
MML BLEND FUND	FIXED INCOME	FED HM LN PC POOL Q52834	255,626.69	248,946	0.12	4	12/1/2047
MML BLEND FUND	OPTIONS	BM1105964 SWAPTION	560,813.70	10,790,000	0.27	0	12/13/2032
MML BLEND FUND	FIXED INCOME	GNMA II POOL BE4328	326,116.62	323,363	0.15	3.5	12/20/2047
MML BLEND FUND	OPTIONS	BM1106236 SWAPTION	221,314.11	5,300,000	0.10	0	12/13/2032
MML BLEND FUND	FIXED INCOME	GNMA II POOL BD6940	426,592.34	422,990	0.20	3.5	12/20/2047
MML BLEND FUND	FIXED INCOME	GNMA POOL BF1053	301,654.08	298,644	0.14	3.5	12/15/2047
MML BLEND FUND	FIXED INCOME	GNMA II POOL BD3899	875,618.87	868,225	0.41	3.5	1/20/2048
MML BLEND FUND	FIXED INCOME	GNMA POOL BF1120	352,464.78	348,948	0.17	3.5	1/15/2048
MML BLEND FUND	FIXED INCOME	GNMA II POOL BE6487	201,092.47	199,395	0.10	3.5	1/20/2048
MML BLEND FUND	FIXED INCOME	SOCIAL PROFESSIONAL LOAN PROGR	718,200.00	1,000,000	0.34	0.01	2/25/2042
MML BLEND FUND	FIXED INCOME	DEEPHAVEN RESIDENTIAL MORTGAGE	192,493.25	192,497	0.09	3.202	12/25/2057
MML BLEND FUND	OPTIONS	BM1107614 SWAPTION	561,275.52	11,940,000	0.27	0	1/31/2033
MML BLEND FUND	OPTIONS	BM1107911 SWAPTION	279,196.00	5,990,000	0.13	0	1/31/2033
MML BLEND FUND	FIXED INCOME	GNMA POOL BF1245	302,556.10	299,537	0.14	3.5	2/15/2048
MML BLEND FUND	FIXED INCOME	GNMA II POOL BF1269	302,082.48	299,532	0.14	3.5	2/20/2048
MML BLEND FUND	FIXED INCOME	GALAXY CLO LTD	501,201.00	500,000	0.24	2.7447	4/20/2031
MML BLEND FUND	FIXED INCOME	FORD MOTOR CREDIT CO LLC	214,717.02	215,000	0.10	3.47	4/5/2021
MML BLEND FUND	CASH EQUIVALENT	PUBLIC SEVC. ENT. GR	995,377.00	1,000,000	0.47	0	6/6/2018
MML BLEND FUND	CASH EQUIVALENT	INTERPUBLIC GROUP COS	796,669.15	800,000	0.38	0	6/1/2018
MML BLEND FUND	FIXED INCOME	NAVIENT STUDENT LOAN TRUST	549,993.40	550,000	0.26	2.72817	3/25/2067
MML BLEND FUND	CASH EQUIVALENT	HP INC	1,791,734.40	1,800,000	0.85	0	6/19/2018
MML BLEND FUND	CASH EQUIVALENT	TELUS CORP	1,491,433.71	1,500,000	0.71	0	6/20/2018
MML BLEND FUND	FIXED INCOME	WAVE 2017 1 LLC	679,602.00	682,080	0.32	3.844	11/15/2042
MML BLEND FUND	FIXED INCOME	MOSAIC CO	24,476.66	25,000	0.01	3.25	11/15/2022
MML BLEND FUND	FIXED INCOME	MOSAIC CO	185,309.48	190,000	0.09	4.05	11/15/2027
MML BLEND FUND	FIXED INCOME	GOODGREEN TRUST	449,840.32	463,677	0.21	3.26	10/15/2053
MML BLEND FUND	FIXED INCOME	FED HM LN PC POOL Q52216	639,927.09	638,058	0.30	3.5	11/1/2047
MML BLEND FUND	FIXED INCOME	ENERGY TRANSFER PARTNERS	368,396.88	385,000	0.17	6.25	12/31/2099
MML BLEND FUND	FIXED INCOME	MARBLE POINT CLO XI LTD	1,006,231.00	1,000,000	0.48	2.79331	12/18/2030
MML BLEND FUND	FIXED INCOME	FNMA POOL BF0196	321,940.81	317,917	0.15	3.5	2/1/2041
MML BLEND FUND	FIXED INCOME	ENTERPRISE PRODUCTS OPER	186,766.78	195,000	0.09	5.375	2/15/2078
MML BLEND FUND	FIXED INCOME	PETROLEOS MEXICANOS	187,416.00	190,000	0.09	5.35	2/12/2028
MML BLEND FUND	FIXED INCOME	MPLX LP	192,529.03	195,000	0.09	4.5	4/15/2038
MML BLEND FUND	FIXED INCOME	GNMA POOL BF1214	302,566.66	299,548	0.14	3.5	2/15/2048
MML BLEND FUND	FIXED INCOME	BCC FUNDING CORP	271,947.17	272,108	0.13	2.2	2/20/2019

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML BLEND FUND	FIXED INCOME	GNMA II POOL BF1119	578,087.64	573,206	0.27	3.5	1/20/2048
MML EQUITY FUND	EQUITY	KEYCORP	6,782,677.00	346,940	1.37	0	
MML EQUITY FUND	EQUITY	LENNAR CORP A	3,023,622.00	51,300	0.61	0	
MML EQUITY FUND	EQUITY	LOCKHEED MARTIN CORP	10,891,821.83	32,231	2.20	0	
MML EQUITY FUND	EQUITY	THERMO FISHER SCIENTIFIC INC	5,122,272.60	24,810	1.03	0	
MML EQUITY FUND	EQUITY	ZEBRA TECHNOLOGIES CORP CL A	3,270,965.00	23,500	0.66	0	
MML EQUITY FUND	EQUITY	GILEAD SCIENCES INC	2,622,818.10	34,790	0.53	0	
MML EQUITY FUND	EQUITY	WESTROCK CO	5,598,190.80	87,240	1.13	0	
MML EQUITY FUND	EQUITY	ALPHABET INC CL A	2,986,963.20	2,880	0.60	0	
MML EQUITY FUND	EQUITY	FIRST DATA CORP CLASS A	2,436,000.00	152,250	0.49	0	
MML EQUITY FUND	EQUITY	HP INC	2,439,257.60	111,280	0.49	0	
MML EQUITY FUND	EQUITY	COCA COLA EUROPEAN PARTNERS	5,369,557.40	128,890	1.08	0	
MML EQUITY FUND	EQUITY	INVITATION HOMES INC	2,298,981.00	100,700	0.46	0	
MML EQUITY FUND	EQUITY	TAPESTRY INC	2,490,031.30	47,330	0.50	0	
MML EQUITY FUND	CASH EQUIVALENT	FIXED INC CLEARING CORP.REPO	14,184,257.58	14,184,258	2.86	0.74	4/2/2018
MML EQUITY FUND	EQUITY	AMERIPRISE FINANCIAL INC	4,995,933.80	33,770	1.01	0	
MML EQUITY FUND	EQUITY	AT+T INC	9,883,606.00	277,240	1.99	0	
MML EQUITY FUND	EQUITY	HANESBRANDS INC	1,215,167.40	65,970	0.25	0	
MML EQUITY FUND	EQUITY	CONCHO RESOURCES INC	3,788,316.00	25,200	0.76	0	
MML EQUITY FUND	EQUITY	PHILIP MORRIS INTERNATIONAL	6,238,344.00	62,760	1.26	0	
MML EQUITY FUND	EQUITY	SUNCOR ENERGY INC	13,948,979.00	403,850	2.81	0	
MML EQUITY FUND	EQUITY	CIT GROUP INC	2,468,395.00	47,930	0.50	0	
MML EQUITY FUND	EQUITY	NEXTERA ENERGY INC	4,957,882.15	30,355	1.00	0	
MML EQUITY FUND	EQUITY	GENERAL MOTORS CO	5,822,758.20	160,230	1.17	0	
MML EQUITY FUND	EQUITY	TE CONNECTIVITY LTD	4,431,564.00	44,360	0.89	0	
MML EQUITY FUND	EQUITY	CITIGROUP INC	11,899,575.00	176,290	2.40	0	
MML EQUITY FUND	EQUITY	PROLOGIS INC	6,528,913.50	103,650	1.32	0	
MML EQUITY FUND	EQUITY	XPO LOGISTICS INC	7,460,636.80	73,280	1.50	0	
MML EQUITY FUND	EQUITY	AON PLC	2,242,473.40	15,980	0.45	0	
MML EQUITY FUND	EQUITY	PHILLIPS 66	3,919,195.28	40,859	0.79	0	
MML EQUITY FUND	EQUITY	DUKE ENERGY CORP	4,989,068.00	64,400	1.01	0	
MML EQUITY FUND	EQUITY	WEATHERFORD INTERNATIONAL PL	5,026,114.90	2,194,810	1.01	0	
MML EQUITY FUND	EQUITY	CROWN CASTLE INTL CORP	7,635,432.60	69,660	1.54	0	
MML EQUITY FUND	EQUITY	TEXAS INSTRUMENTS INC	4,859,974.20	46,780	0.98	0	
MML EQUITY FUND	EQUITY	SYNOPSIS INC	5,698,610.40	68,460	1.15	0	
MML EQUITY FUND	EQUITY	TARGET CORP	6,997,849.70	100,790	1.41	0	
MML EQUITY FUND	EQUITY	WASTE MANAGEMENT INC	5,562,855.60	66,130	1.12	0	
MML EQUITY FUND	EQUITY	COCA COLA CO/THE	5,874,776.10	135,270	1.18	0	
MML EQUITY FUND	EQUITY	ZIONS BANCORPORATION	8,626,628.00	163,600	1.74	0	
MML EQUITY FUND	EQUITY	CATERPILLAR INC	3,725,766.40	25,280	0.75	0	
MML EQUITY FUND	EQUITY	GOLDMAN SACHS GROUP INC	9,097,183.20	36,120	1.83	0	
MML EQUITY FUND	EQUITY	FEDEX CORP	3,135,836.60	13,060	0.63	0	
MML EQUITY FUND	EQUITY	HALLIBURTON CO	5,080,644.78	108,237	1.02	0	
MML EQUITY FUND	EQUITY	HARTFORD FINANCIAL SVCS GRP	6,666,172.80	129,390	1.34	0	
MML EQUITY FUND	EQUITY	UNITEDHEALTH GROUP INC	15,241,080.00	71,220	3.07	0	
MML EQUITY FUND	EQUITY	PARKER HANNIFIN CORP	6,378,221.79	37,293	1.29	0	
MML EQUITY FUND	EQUITY	DANAHER CORP	6,097,638.98	62,278	1.23	0	
MML EQUITY FUND	EQUITY	BLACKROCK INC	7,892,860.40	14,570	1.59	0	
MML EQUITY FUND	EQUITY	PACCAR INC	2,777,816.60	41,980	0.56	0	
MML EQUITY FUND	EQUITY	MARVELL TECHNOLOGY GROUP LTD	5,446,560.00	259,360	1.10	0	
MML EQUITY FUND	EQUITY	KANSAS CITY SOUTHERN	3,313,076.00	30,160	0.67	0	
MML EQUITY FUND	EQUITY	NASDAQ INC	9,770,450.40	113,320	1.97	0	

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML EQUITY FUND	EQUITY	MYLAN NV	5,105,903.40	124,020	1.03		0
MML EQUITY FUND	EQUITY	FLUOR CORP	6,087,635.80	106,390	1.23		0
MML EQUITY FUND	EQUITY	JPMORGAN CHASE + CO	24,987,383.40	227,220	5.04		0
MML EQUITY FUND	EQUITY	SIEMENS AG SPONS ADR	3,314,891.20	51,860	0.67		0
MML EQUITY FUND	EQUITY	ZIMMER BIOMET HOLDINGS INC	4,741,059.20	43,480	0.96		0
MML EQUITY FUND	EQUITY	CHEVRON CORP	15,215,444.88	133,422	3.07		0
MML EQUITY FUND	EQUITY	CONOCOPHILLIPS	6,842,125.29	115,401	1.38		0
MML EQUITY FUND	EQUITY	CARNIVAL CORP	3,804,295.80	58,010	0.77		0
MML EQUITY FUND	EQUITY	DIGITAL REALTY TRUST INC	3,007,545.20	28,540	0.61		0
MML EQUITY FUND	EQUITY	LAS VEGAS SANDS CORP	3,782,659.00	52,610	0.76		0
MML EQUITY FUND	EQUITY	PROCTER + GAMBLE CO/THE	4,620,438.40	58,280	0.93		0
MML EQUITY FUND	EQUITY	AMGEN INC	4,931,986.40	28,930	0.99		0
MML EQUITY FUND	EQUITY	BOSTON SCIENTIFIC CORP	3,469,093.60	126,980	0.70		0
MML EQUITY FUND	EQUITY	CISCO SYSTEMS INC	12,442,389.00	290,100	2.51		0
MML EQUITY FUND	EQUITY	WALT DISNEY CO/THE	3,720,297.60	37,040	0.75		0
MML EQUITY FUND	EQUITY	MICROSOFT CORP	7,037,829.70	77,110	1.42		0
MML EQUITY FUND	EQUITY	MORGAN STANLEY	5,039,324.40	93,390	1.02		0
MML EQUITY FUND	EQUITY	PFIZER INC	10,036,926.90	282,810	2.02		0
MML EQUITY FUND	EQUITY	WALMART INC	8,579,377.10	96,430	1.73		0
MML EQUITY FUND	EQUITY	BANK OF AMERICA CORP	24,108,061.30	803,870	4.86		0
MML EQUITY FUND	CASH	US DOLLAR	278,095.14	278,095	0.06		0
MML EQUITY FUND	EQUITY	ABBOTT LABORATORIES	4,401,124.00	73,450	0.89		0
MML EQUITY FUND	EQUITY	ENBRIDGE INC	5,248,472.19	166,777	1.06		0
MML EQUITY FUND	EQUITY	FREEMPORT MCMORAN INC	3,413,851.00	194,300	0.69		0
MML EQUITY FUND	EQUITY	EDISON INTERNATIONAL	6,705,307.80	105,330	1.35		0
MML EQUITY FUND	EQUITY	EASTMAN CHEMICAL CO	9,636,286.60	91,270	1.94		0
MML EQUITY FUND	EQUITY	ENTERGY CORP	6,160,596.00	78,200	1.24		0
MML EQUITY FUND	EQUITY	CIT GROUP INC	272,950.00	5,300	0.08		0
MML EQUITY FUND	EQUITY	PILGRIM S PRIDE CORP	243,639.00	9,900	0.07		0
MML EQUITY FUND	EQUITY	LYONDELLBASELL INDU CL A	1,955,080.00	18,500	0.58		0
MML EQUITY FUND	EQUITY	E TRADE FINANCIAL CORP	554,100.00	10,000	0.16		0
MML EQUITY FUND	EQUITY	GARMIN LTD	447,868.00	7,600	0.13		0
MML EQUITY FUND	EQUITY	BOOZ ALLEN HAMILTON HOLDINGS	209,088.00	5,400	0.06		0
MML EQUITY FUND	EQUITY	GENERAL MOTORS CO	2,085,916.00	57,400	0.62		0
MML EQUITY FUND	EQUITY	MOTOROLA SOLUTIONS INC	694,980.00	6,600	0.21		0
MML EQUITY FUND	EQUITY	HCA HEALTHCARE INC	1,358,000.00	14,000	0.40		0
MML EQUITY FUND	EQUITY	CROWN HOLDINGS INC	263,900.00	5,200	0.08		0
MML EQUITY FUND	EQUITY	CARNIVAL CORP	1,409,970.00	21,500	0.42		0
MML EQUITY FUND	EQUITY	CARTER S INC	176,970.00	1,700	0.05		0
MML EQUITY FUND	EQUITY	BIOGEN INC	2,327,470.00	8,500	0.69		0
MML EQUITY FUND	EQUITY	SYNNEX CORP	130,240.00	1,100	0.04		0
MML EQUITY FUND	EQUITY	REGIONS FINANCIAL CORP	845,390.00	45,500	0.25		0
MML EQUITY FUND	EQUITY	WESTLAKE CHEMICAL CORP	544,635.00	4,900	0.16		0
MML EQUITY FUND	EQUITY	CELANESE CORP SERIES A	551,155.00	5,500	0.16		0
MML EQUITY FUND	EQUITY	HUNTSMAN CORP	251,550.00	8,600	0.07		0
MML EQUITY FUND	EQUITY	LAZARD LTD CL A	278,568.00	5,300	0.08		0
MML EQUITY FUND	EQUITY	PENTAIR PLC	401,967.00	5,900	0.12		0
MML EQUITY FUND	EQUITY	CITIGROUP INC	6,952,500.00	103,000	2.05		0
MML EQUITY FUND	EQUITY	MARATHON PETROLEUM CORP	1,469,511.00	20,100	0.43		0
MML EQUITY FUND	EQUITY	HOLLYFRONTIER CORP	327,362.00	6,700	0.10		0
MML EQUITY FUND	EQUITY	PVH CORP	469,433.00	3,100	0.14		0
MML EQUITY FUND	EQUITY	RALPH LAUREN CORP	257,140.00	2,300	0.08		0

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML EQUITY FUND	EQUITY	MICHAEL KORS HOLDINGS LTD	273,152.00	4,400	0.08	0	
MML EQUITY FUND	EQUITY	ALLISON TRANSMISSION HOLDING	222,642.00	5,700	0.07	0	
MML EQUITY FUND	EQUITY	EXPRESS SCRIPTS HOLDING CO	1,568,116.00	22,700	0.46	0	
MML EQUITY FUND	EQUITY	PHILLIPS 66	1,889,624.00	19,700	0.56	0	
MML EQUITY FUND	EQUITY	INGREDION INC	335,192.00	2,600	0.10	0	
MML EQUITY FUND	EQUITY	DUKE ENERGY CORP	1,719,834.00	22,200	0.51	0	
MML EQUITY FUND	EQUITY	HEWLETT PACKARD ENTERPRISE	836,658.00	47,700	0.25	0	
MML EQUITY FUND	EQUITY	HP INC	1,446,720.00	66,000	0.43	0	
MML EQUITY FUND	EQUITY	HUBBELL INC	182,670.00	1,500	0.05	0	
MML EQUITY FUND	EQUITY	WILLIS TOWERS WATSON PLC	821,826.00	5,400	0.24	0	
MML EQUITY FUND	EQUITY	ARRIS INTERNATIONAL PLC	185,990.00	7,000	0.05	0	
MML EQUITY FUND	EQUITY	CHUBB LTD	2,557,599.00	18,700	0.76	0	
MML EQUITY FUND	EQUITY	ASHLAND GLOBAL HOLDINGS INC	118,643.00	1,700	0.04	0	
MML EQUITY FUND	EQUITY	ATHENE HOLDING LTD CLASS A	277,298.00	5,800	0.08	0	
MML EQUITY FUND	EQUITY	XEROX CORP	276,288.00	9,600	0.08	0	
MML EQUITY FUND	EQUITY	APTIV PLC	875,191.00	10,300	0.26	0	
MML EQUITY FUND	CASH EQUIVALENT	FIXED INC CLEARING CORP.REPO	1,252,831.10	1,252,831	0.37	0.74	4/2/2018
MML EQUITY FUND	EQUITY	CAPITAL ONE FINANCIAL CORP	1,753,506.00	18,300	0.52	0	
MML EQUITY FUND	EQUITY	FNF GROUP	356,178.00	8,900	0.11	0	
MML EQUITY FUND	EQUITY	SYNCHRONY FINANCIAL	1,022,665.00	30,500	0.30	0	
MML EQUITY FUND	EQUITY	CITIZENS FINANCIAL GROUP	822,808.00	19,600	0.24	0	
MML EQUITY FUND	EQUITY	ANTHEM INC	2,240,940.00	10,200	0.66	0	
MML EQUITY FUND	EQUITY	QORVO INC	359,295.00	5,100	0.11	0	
MML EQUITY FUND	EQUITY	EVERSOURCE ENERGY	695,256.00	11,800	0.21	0	
MML EQUITY FUND	EQUITY	MYLAN NV	889,272.00	21,600	0.26	0	
MML EQUITY FUND	EQUITY	CHEMOURS CO/THE	365,325.00	7,500	0.11	0	
MML EQUITY FUND	EQUITY	WEC ENERGY GROUP INC	790,020.00	12,600	0.23	0	
MML EQUITY FUND	EQUITY	MADISON SQUARE GARDEN CO A	221,220.00	900	0.07	0	
MML EQUITY FUND	EQUITY	VERIZON COMMUNICATIONS INC	7,809,006.00	163,300	2.31	0	
MML EQUITY FUND	EQUITY	KANSAS CITY SOUTHERN	373,490.00	3,400	0.11	0	
MML EQUITY FUND	EQUITY	FORD MOTOR CO	1,730,696.00	156,200	0.51	0	
MML EQUITY FUND	EQUITY	XCEL ENERGY INC	791,352.00	17,400	0.23	0	
MML EQUITY FUND	EQUITY	NASDAQ INC	465,588.00	5,400	0.14	0	
MML EQUITY FUND	EQUITY	DAVITA INC	507,738.00	7,700	0.15	0	
MML EQUITY FUND	EQUITY	NEW YORK COMMUNITY BANCORP	255,388.00	19,600	0.08	0	
MML EQUITY FUND	EQUITY	ISHARES RUSSELL 1000 VALUE ETF	3,178,940.00	26,500	0.94	0	
MML EQUITY FUND	EQUITY	AETNA INC	2,078,700.00	12,300	0.61	0	
MML EQUITY FUND	EQUITY	T ROWE PRICE GROUP INC	982,527.00	9,100	0.29	0	
MML EQUITY FUND	EQUITY	JPMORGAN CHASE + CO	15,263,836.00	138,800	4.51	0	
MML EQUITY FUND	EQUITY	US BANCORP	3,348,150.00	66,300	0.99	0	
MML EQUITY FUND	EQUITY	ALLIANCE DATA SYSTEMS CORP	468,292.00	2,200	0.14	0	
MML EQUITY FUND	EQUITY	AMERISOURCEBERGEN CORP	525,881.00	6,100	0.16	0	
MML EQUITY FUND	EQUITY	CHEVRON CORP	8,096,840.00	71,000	2.39	0	
MML EQUITY FUND	EQUITY	PRINCIPAL FINANCIAL GROUP	663,919.00	10,900	0.20	0	
MML EQUITY FUND	EQUITY	FOOT LOCKER INC	168,498.00	3,700	0.05	0	
MML EQUITY FUND	EQUITY	PRUDENTIAL FINANCIAL INC	1,749,995.00	16,900	0.52	0	
MML EQUITY FUND	EQUITY	JETBLUE AIRWAYS CORP	235,712.00	11,600	0.07	0	
MML EQUITY FUND	EQUITY	JM SMUCKER CO/THE	570,446.00	4,600	0.17	0	
MML EQUITY FUND	EQUITY	SKYWORKS SOLUTIONS INC	741,924.00	7,400	0.22	0	
MML EQUITY FUND	EQUITY	CONOCOPHILLIPS	2,715,482.00	45,800	0.80	0	
MML EQUITY FUND	EQUITY	CARMAX INC	458,356.00	7,400	0.14	0	
MML EQUITY FUND	EQUITY	AMERICAN EXPRESS CO	3,255,472.00	34,900	0.96	0	

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML EQUITY FUND	EQUITY	INTERPUBLIC GROUP OF COS INC	354,662.00	15,400	0.10		0
MML EQUITY FUND	EQUITY	KROGER CO	677,502.00	28,300	0.20		0
MML EQUITY FUND	EQUITY	UNITED PARCEL SERVICE CL B	2,888,616.00	27,600	0.85		0
MML EQUITY FUND	EQUITY	SNAP ON INC	339,342.00	2,300	0.10		0
MML EQUITY FUND	EQUITY	ZIONS BANCORPORATION	416,567.00	7,900	0.12		0
MML EQUITY FUND	EQUITY	EATON CORP PLC	1,414,407.00	17,700	0.42		0
MML EQUITY FUND	EQUITY	ABBVIE INC	4,609,455.00	48,700	1.36		0
MML EQUITY FUND	EQUITY	NORWEGIAN CRUISE LINE HOLDIN	455,542.00	8,600	0.13		0
MML EQUITY FUND	EQUITY	NEWS CORP CLASS A	243,320.00	15,400	0.07		0
MML EQUITY FUND	EQUITY	CDW CORP/DE	428,891.00	6,100	0.13		0
MML EQUITY FUND	EQUITY	AMERICAN AIRLINES GROUP INC	1,008,024.00	19,400	0.30		0
MML EQUITY FUND	EQUITY	PERRIGO CO PLC	475,038.00	5,700	0.14		0
MML EQUITY FUND	EQUITY	SANTANDER CONSUMER USA HOLDI	234,720.00	14,400	0.07		0
MML EQUITY FUND	EQUITY	VOYA FINANCIAL INC	378,750.00	7,500	0.11		0
MML EQUITY FUND	EQUITY	ALLY FINANCIAL INC	469,695.00	17,300	0.14		0
MML EQUITY FUND	EQUITY	INVESTORS BANCORP INC	151,404.00	11,100	0.04		0
MML EQUITY FUND	EQUITY	SYNOVUS FINANCIAL CORP	239,712.00	4,800	0.07		0
MML EQUITY FUND	EQUITY	WESTERN ALLIANCE BANCORP	203,385.00	3,500	0.06		0
MML EQUITY FUND	EQUITY	AMERIPRISE FINANCIAL INC	991,198.00	6,700	0.29		0
MML EQUITY FUND	EQUITY	CA INC	566,130.00	16,700	0.17		0
MML EQUITY FUND	EQUITY	HESS CORP	637,812.00	12,600	0.19		0
MML EQUITY FUND	EQUITY	WYNDHAM WORLDWIDE CORP	469,163.00	4,100	0.14		0
MML EQUITY FUND	EQUITY	HANESBRANDS INC	239,460.00	13,000	0.07		0
MML EQUITY FUND	EQUITY	WESTERN UNION CO	355,755.00	18,500	0.11		0
MML EQUITY FUND	EQUITY	OWENS CORNING	369,840.00	4,600	0.11		0
MML EQUITY FUND	EQUITY	SPIRIT AEROSYSTEMS HOLD CL A	401,760.00	4,800	0.12		0
MML EQUITY FUND	EQUITY	TRAVELERS COS INC/THE	3,471,500.00	25,000	1.03		0
MML EQUITY FUND	EQUITY	DELTA AIR LINES INC	1,551,123.00	28,300	0.46		0
MML EQUITY FUND	EQUITY	MACY S INC	276,582.00	9,300	0.08		0
MML EQUITY FUND	EQUITY	DISCOVER FINANCIAL SERVICES	1,100,529.00	15,300	0.33		0
MML EQUITY FUND	EQUITY	BANK OF NEW YORK MELLON CORP	2,097,271.00	40,700	0.62		0
MML EQUITY FUND	EQUITY	INVESCO LTD	492,954.00	15,400	0.15		0
MML EQUITY FUND	EQUITY	REINSURANCE GROUP OF AMERICA	400,400.00	2,600	0.12		0
MML EQUITY FUND	EQUITY	MEDNAX INC	211,394.00	3,800	0.06		0
MML EQUITY FUND	EQUITY	TIME WARNER INC	4,379,054.00	46,300	1.29		0
MML EQUITY FUND	EQUITY	AMERICAN INTERNATIONAL GROUP	2,563,182.00	47,100	0.76		0
MML EQUITY FUND	EQUITY	INGERSOLL RAND PLC	855,100.00	10,000	0.25		0
MML EQUITY FUND	EQUITY	HYATT HOTELS CORP CL A	114,390.00	1,500	0.03		0
MML EQUITY FUND	EQUITY	LEAR CORP	502,443.00	2,700	0.15		0
MML EQUITY FUND	EQUITY	DOLLAR GENERAL CORP	916,790.00	9,800	0.27		0
MML EQUITY FUND	EQUITY	STEEL DYNAMICS INC	415,668.00	9,400	0.12		0
MML EQUITY FUND	EQUITY	TERADYNE INC	361,109.00	7,900	0.11		0
MML EQUITY FUND	EQUITY	CULLEN/FROST BANKERS INC	275,782.00	2,600	0.08		0
MML EQUITY FUND	EQUITY	GILEAD SCIENCES INC	3,957,975.00	52,500	1.17		0
MML EQUITY FUND	EQUITY	NVR INC	280,000.00	100	0.08		0
MML EQUITY FUND	EQUITY	WEBSTER FINANCIAL CORP	204,980.00	3,700	0.06		0
MML EQUITY FUND	EQUITY	CONAGRA BRANDS INC	453,624.00	12,300	0.13		0
MML EQUITY FUND	EQUITY	FRANKLIN RESOURCES INC	742,152.00	21,400	0.22		0
MML EQUITY FUND	EQUITY	HONEYWELL INTERNATIONAL INC	4,176,339.00	28,900	1.23		0
MML EQUITY FUND	EQUITY	AES CORP	243,318.00	21,400	0.07		0
MML EQUITY FUND	EQUITY	AMGEN INC	4,466,576.00	26,200	1.32		0
MML EQUITY FUND	EQUITY	APPLE INC	16,442,440.00	98,000	4.86		0

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML EQUITY FUND	EQUITY	BEST BUY CO INC	818,883.00	11,700	0.24		0
MML EQUITY FUND	EQUITY	CISCO SYSTEMS INC	7,930,361.00	184,900	2.34		0
MML EQUITY FUND	EQUITY	WALT DISNEY CO/THE	5,915,916.00	58,900	1.75		0
MML EQUITY FUND	EQUITY	GAP INC/THE	486,720.00	15,600	0.14		0
MML EQUITY FUND	EQUITY	MORGAN STANLEY	3,912,100.00	72,500	1.16		0
MML EQUITY FUND	EQUITY	ORACLE CORP	6,940,275.00	151,700	2.05		0
MML EQUITY FUND	EQUITY	PFIZER INC	8,435,973.00	237,700	2.49		0
MML EQUITY FUND	EQUITY	WALMART INC	5,026,805.00	56,500	1.49		0
MML EQUITY FUND	EQUITY	WELLS FARGO + CO	10,261,878.00	195,800	3.03		0
MML EQUITY FUND	EQUITY	GENUINE PARTS CO	404,280.00	4,500	0.12		0
MML EQUITY FUND	EQUITY	PNC FINANCIAL SERVICES GROUP	2,873,560.00	19,000	0.85		0
MML EQUITY FUND	EQUITY	TORCHMARK CORP	934,287.00	11,100	0.28		0
MML EQUITY FUND	EQUITY	INTL BUSINESS MACHINES CORP	5,707,596.00	37,200	1.69		0
MML EQUITY FUND	EQUITY	SONOCO PRODUCTS CO	189,150.00	3,900	0.06		0
MML EQUITY FUND	CASH	US DOLLAR	65,832.00	65,832	0.02		0
MML EQUITY FUND	EQUITY	LOWE S COS INC	2,597,400.00	29,600	0.77		0
MML EQUITY FUND	EQUITY	NUCOR CORP	775,843.00	12,700	0.23		0
MML EQUITY FUND	EQUITY	TEXTRON INC	613,288.00	10,400	0.18		0
MML EQUITY FUND	EQUITY	INTEL CORP	9,754,584.00	187,300	2.88		0
MML EQUITY FUND	EQUITY	JOHNSON + JOHNSON	12,879,075.00	100,500	3.81		0
MML EQUITY FUND	EQUITY	STATE STREET CORP	1,466,031.00	14,700	0.43		0
MML EQUITY FUND	EQUITY	TARGET CORP	1,520,517.00	21,900	0.45		0
MML EQUITY FUND	EQUITY	UNITED TECHNOLOGIES CORP	3,812,346.00	30,300	1.13		0
MML EQUITY FUND	EQUITY	CIGNA CORP	1,627,078.00	9,700	0.48		0
MML EQUITY FUND	EQUITY	GOLDMAN SACHS GROUP INC	3,828,272.00	15,200	1.13		0
MML EQUITY FUND	EQUITY	AUTOZONE INC	713,559.00	1,100	0.21		0
MML EQUITY FUND	EQUITY	CORNING INC	1,310,360.00	47,000	0.39		0
MML EQUITY FUND	EQUITY	FEDEX CORP	1,968,902.00	8,200	0.58		0
MML EQUITY FUND	EQUITY	KLA TENCOR CORP	697,664.00	6,400	0.21		0
MML EQUITY FUND	EQUITY	KOHL S CORP	412,713.00	6,300	0.12		0
MML EQUITY FUND	EQUITY	PPG INDUSTRIES INC	1,104,840.00	9,900	0.33		0
MML EQUITY FUND	EQUITY	SOUTHWEST AIRLINES CO	1,351,808.00	23,600	0.40		0
MML EQUITY FUND	EQUITY	SUNTRUST BANKS INC	1,279,152.00	18,800	0.38		0
MML EQUITY FUND	EQUITY	TJX COMPANIES INC	1,663,824.00	20,400	0.49		0
MML EQUITY FUND	EQUITY	DTE ENERGY COMPANY	772,560.00	7,400	0.23		0
MML EQUITY FUND	EQUITY	DEVON ENERGY CORP	511,819.00	16,100	0.15		0
MML EQUITY FUND	EQUITY	EASTMAN CHEMICAL CO	612,364.00	5,800	0.18		0
MML EQUITY FUND	EQUITY	ENTERGY CORP	582,972.00	7,400	0.17		0
MML EQUITY FUND	EQUITY	HELMERICH + PAYNE	292,864.00	4,400	0.09		0
MML EQUITY FUND	EQUITY	INTERNATIONAL PAPER CO	849,537.00	15,900	0.25		0
MML EQUITY FUND	EQUITY	COMCAST CORP CLASS A	5,590,212.00	163,600	1.65		0
MML EQUITY FUND	EQUITY	HARTFORD FINANCIAL SVCS GRP	736,736.00	14,300	0.22		0
MML EQUITY FUND	EQUITY	AFLAC INC	1,365,312.00	31,200	0.40		0
MML EQUITY FUND	EQUITY	METLIFE INC	1,936,558.00	42,200	0.57		0
MML EQUITY FUND	EQUITY	MANPOWERGROUP INC	310,770.00	2,700	0.09		0
MML EQUITY FUND	EQUITY	MURPHY OIL CORP	147,288.00	5,700	0.04		0
MML EQUITY FUND	EQUITY	CARLISLE COS INC	261,025.00	2,500	0.08		0
MML EQUITY FUND	EQUITY	LABORATORY CRP OF AMER HLDGS	679,350.00	4,200	0.20		0
MML EQUITY FUND	EQUITY	PACCAR INC	932,997.00	14,100	0.28		0
MML EQUITY FUND	EQUITY	NATIONAL OILWELL VARCO INC	559,512.00	15,200	0.17		0
MML EQUITY FUND	EQUITY	RAYMOND JAMES FINANCIAL INC	464,932.00	5,200	0.14		0
MML EQUITY FUND	EQUITY	MARVELL TECHNOLOGY GROUP LTD	407,400.00	19,400	0.12		0

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML EQUITY FUND	EQUITY	PROSPERITY BANCSHARES INC	203,364.00	2,800	0.06		0
MML EQUITY FUND	EQUITY	COMMERCE BANCSHARES INC	245,631.00	4,100	0.07		0
MML EQUITY FUND	EQUITY	HUNTINGTON BANCSHARES INC	649,300.00	43,000	0.19		0
MML EQUITY FUND	EQUITY	MARKEL CORP	702,150.00	600	0.21		0
MML EQUITY FUND	EQUITY	NORTHERN TRUST CORP	814,727.00	7,900	0.24		0
MML EQUITY FUND	EQUITY	NORDSTROM INC	329,188.00	6,800	0.10		0
MML EQUITY FUND	EQUITY	M + T BANK CORP	1,124,596.00	6,100	0.33		0
MML EQUITY FUND	EQUITY	PACKAGING CORP OF AMERICA	394,450.00	3,500	0.12		0
MML EQUITY FUND	EQUITY	BOK FINANCIAL CORPORATION	267,273.00	2,700	0.08		0
MML EQUITY FUND	EQUITY	NEWMONT MINING CORP	515,724.00	13,200	0.15		0
MML EQUITY FUND	EQUITY	WILLIAMS SONOMA INC	179,384.00	3,400	0.05		0
MML EQUITY FUND	EQUITY	ROYAL CARIBBEAN CRUISES LTD	1,012,564.00	8,600	0.30		0
MML EQUITY FUND	EQUITY	FIFTH THIRD BANCORP	895,350.00	28,200	0.26		0
MML EQUITY FUND	EQUITY	BB+T CORP	1,623,648.00	31,200	0.48		0
MML EQUITY FUND	EQUITY	COMERICA INC	556,394.00	5,800	0.16		0
MML EQUITY FUND	EQUITY	MCKESSON CORP	1,098,786.00	7,800	0.32		0
MML EQUITY FUND	EQUITY	MOHAWK INDUSTRIES INC	696,660.00	3,000	0.21		0
MML EQUITY FUND	EQUITY	RPM INTERNATIONAL INC	219,282.00	4,600	0.06		0
MML EQUITY FUND	EQUITY	RENAISSANCERE HOLDINGS LTD	166,212.00	1,200	0.05		0
MML EQUITY FUND	EQUITY	AMERICAN FINANCIAL GROUP INC	751,874.00	6,700	0.22		0
MML EQUITY FUND	EQUITY	BORGWARNER INC	426,955.00	8,500	0.13		0
MML EQUITY FUND	EQUITY	LINCOLN NATIONAL CORP	635,622.00	8,700	0.19		0
MML EQUITY FUND	EQUITY	LOEWS CORP	656,436.00	13,200	0.19		0
MML EQUITY FUND	EQUITY	PINNACLE WEST CAPITAL	367,080.00	4,600	0.11		0
MML EQUITY FUND	EQUITY	UNUM GROUP	418,968.00	8,800	0.12		0
MML EQUITY FUND	EQUITY	DARDEN RESTAURANTS INC	323,950.00	3,800	0.10		0
MML EQUITY FUND	EQUITY	TRINITY INDUSTRIES INC	185,991.00	5,700	0.05		0
MML EQUITY FUND	EQUITY	EVEREST RE GROUP LTD	333,866.00	1,300	0.10		0
MML EQUITY FUND	EQUITY	AGCO CORP	207,520.00	3,200	0.06		0
MML EQUITY FUND	EQUITY	ALLEGHANY CORP	430,108.00	700	0.13		0
MML EQUITY FUND	EQUITY	ALLSTATE CORP	1,393,560.00	14,700	0.41		0
MML EQUITY FUND	EQUITY	AMEREN CORPORATION	549,311.00	9,700	0.16		0
MML EQUITY FUND	EQUITY	AMERICAN ELECTRIC POWER	1,303,210.00	19,000	0.39		0
MML EQUITY FUND	EQUITY	ARCHER DANIELS MIDLAND CO	975,825.00	22,500	0.29		0
MML EQUITY FUND	EQUITY	ARROW ELECTRONICS INC	277,272.00	3,600	0.08		0
MML EQUITY FUND	EQUITY	AUTONATION INC	140,340.00	3,000	0.04		0
MML EQUITY FUND	EQUITY	AVNET INC	204,624.00	4,900	0.06		0
MML EQUITY FUND	EQUITY	WR BERKLEY CORP	356,230.00	4,900	0.11		0
MML EQUITY FUND	EQUITY	BRUNSWICK CORP	213,804.00	3,600	0.06		0
MML EQUITY FUND	EQUITY	CINCINNATI FINANCIAL CORP	497,542.00	6,700	0.15		0
MML EQUITY FUND	EQUITY	CUMMINS INC	1,102,212.00	6,800	0.33		0
MML EQUITY FUND	EQUITY	KEYCORP	832,830.00	42,600	0.25		0
MML EQUITY FUND	EQUITY	LAM RESEARCH CORP	1,340,856.00	6,600	0.40		0
MML EQUITY FUND	EQUITY	NORFOLK SOUTHERN CORP	1,031,928.00	7,600	0.30		0
MML EQUITY FUND	EQUITY	OLD REPUBLIC INTL CORP	214,500.00	10,000	0.06		0
MML EQUITY FUND	EQUITY	PUBLIC SERVICE ENTERPRISE GP	1,019,872.00	20,300	0.30		0
MML EQUITY FUND	EQUITY	PULTEGROUP INC	347,982.00	11,800	0.10		0
MML EQUITY FUND	EQUITY	MARATHON OIL CORP	550,033.00	34,100	0.16		0
MML EQUITY FUND	EQUITY	UNITED RENTALS INC	604,555.00	3,500	0.18		0
MML EQUITY FUND	EQUITY	VALERO ENERGY CORP	1,595,644.00	17,200	0.47		0
MML EQUITY FUND	EQUITY	WESTAR ENERGY INC	273,468.00	5,200	0.08		0
MML EQUITY FUND	EQUITY	AMERCO	276,080.00	800	0.08		0

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML EQUITY FUND	EQUITY	CREDIT ACCEPTANCE CORP	198,246.00	600	0.06		0
MML EQUITY FUND	EQUITY	ENERGEN CORP	245,154.00	3,900	0.07		0
MML EQUITY FUND	EQUITY	OSHKOSH CORP	231,810.00	3,000	0.07		0
MML EQUITY FUND	EQUITY	QUEST DIAGNOSTICS INC	521,560.00	5,200	0.15		0
MML EQUITY FUND	EQUITY	RELIANCE STEEL + ALUMINUM	248,646.00	2,900	0.07		0
MML EQUITY FUND	EQUITY	THOR INDUSTRIES INC	230,340.00	2,000	0.07		0
MML EQUITY FUND	EQUITY	TOLL BROTHERS INC	294,100.00	6,800	0.09		0
MML EQUITY FUND	EQUITY	TRACTOR SUPPLY COMPANY	321,402.00	5,100	0.09		0
MML EQUITY FUND	EQUITY	APPLIED MATERIALS INC	2,068,692.00	37,200	0.61		0
MML EQUITY FUND	EQUITY	EAST WEST BANCORP INC	368,986.00	5,900	0.11		0
MML EQUITY FUND	EQUITY	GENTEX CORP	250,918.00	10,900	0.07		0
MML EQUITY FUND	EQUITY	JONES LANG LASALLE INC	314,352.00	1,800	0.09		0
MML SMALL CAP EQUITY FUND	EQUITY	OCEANFIRST FINANCIAL CORP	1,247,887.50	46,650	1.06		0
MML SMALL CAP EQUITY FUND	EQUITY	QUIDEL CORP	1,105,625.40	21,340	0.94		0
MML SMALL CAP EQUITY FUND	EQUITY	REPLIGEN CORP	678,013.20	18,740	0.58		0
MML SMALL CAP EQUITY FUND	EQUITY	STIFEL FINANCIAL CORP	1,449,950.40	24,480	1.23		0
MML SMALL CAP EQUITY FUND	EQUITY	WSFS FINANCIAL CORP	1,231,030.00	25,700	1.05		0
MML SMALL CAP EQUITY FUND	EQUITY	AMEDISYS INC	1,524,188.40	25,260	1.30		0
MML SMALL CAP EQUITY FUND	EQUITY	BLACK HILLS CORP	1,688,187.00	31,090	1.44		0
MML SMALL CAP EQUITY FUND	EQUITY	CACI INTERNATIONAL INC CL A	2,462,615.85	16,271	2.09		0
MML SMALL CAP EQUITY FUND	EQUITY	CHEMICAL FINANCIAL CORP	1,239,704.96	22,672	1.05		0
MML SMALL CAP EQUITY FUND	EQUITY	CHILDREN S PLACE INC/THE	769,572.50	5,690	0.65		0
MML SMALL CAP EQUITY FUND	EQUITY	GROUP 1 AUTOMOTIVE INC	1,954,319.40	29,910	1.66		0
MML SMALL CAP EQUITY FUND	EQUITY	PEGASYSTEMS INC	1,893,250.40	31,216	1.61		0
MML SMALL CAP EQUITY FUND	EQUITY	SEMTECH CORP	1,235,932.50	31,650	1.05		0
MML SMALL CAP EQUITY FUND	EQUITY	MB FINANCIAL INC	1,328,148.80	32,810	1.13		0
MML SMALL CAP EQUITY FUND	EQUITY	LIGAND PHARMACEUTICALS	1,022,340.40	6,190	0.87		0
MML SMALL CAP EQUITY FUND	EQUITY	CYS INVESTMENTS INC	1,422,422.40	211,670	1.21		0
MML SMALL CAP EQUITY FUND	EQUITY	CLOVIS ONCOLOGY INC	363,792.00	6,890	0.31		0
MML SMALL CAP EQUITY FUND	EQUITY	J2 GLOBAL INC	1,846,806.92	23,401	1.57		0
MML SMALL CAP EQUITY FUND	EQUITY	ZYNGA INC CL A	1,835,526.60	501,510	1.56		0
MML SMALL CAP EQUITY FUND	EQUITY	THERAPEUTICSMD INC	469,857.60	96,480	0.40		0
MML SMALL CAP EQUITY FUND	EQUITY	RENEWABLE ENERGY GROUP INC	1,022,963.20	79,919	0.87		0
MML SMALL CAP EQUITY FUND	EQUITY	MATADOR RESOURCES CO	885,186.45	29,595	0.75		0
MML SMALL CAP EQUITY FUND	EQUITY	YELP INC	1,535,565.00	36,780	1.31		0
MML SMALL CAP EQUITY FUND	EQUITY	REXNORD CORP	1,426,420.80	48,060	1.21		0
MML SMALL CAP EQUITY FUND	EQUITY	PROOFPOINT INC	1,701,340.50	14,970	1.45		0
MML SMALL CAP EQUITY FUND	EQUITY	CUSTOMERS BANCORP INC	724,377.50	24,850	0.62		0
MML SMALL CAP EQUITY FUND	EQUITY	REALOGY HOLDINGS CORP	1,204,412.00	44,150	1.02		0
MML SMALL CAP EQUITY FUND	EQUITY	MASONITE INTERNATIONAL CORP	1,235,159.55	20,133	1.05		0
MML SMALL CAP EQUITY FUND	EQUITY	STERLING BANCORP/DE	1,242,505.00	55,100	1.06		0
MML SMALL CAP EQUITY FUND	EQUITY	HOUGHTON MIFFLIN HARCOURT CO	790,562.50	113,750	0.67		0
MML SMALL CAP EQUITY FUND	EQUITY	PAYLOCITY HOLDING CORP	901,135.70	17,590	0.77		0
MML SMALL CAP EQUITY FUND	EQUITY	Q2 HOLDINGS INC	1,172,912.50	25,750	1.00		0
MML SMALL CAP EQUITY FUND	EQUITY	GALAPAGOS NV	479,629.89	4,783	0.41		0
MML SMALL CAP EQUITY FUND	EQUITY	SAGE THERAPEUTICS INC	780,545.22	4,846	0.66		0
MML SMALL CAP EQUITY FUND	EQUITY	FCB FINANCIAL HOLDINGS CL A	1,184,651.30	23,183	1.01		0
MML SMALL CAP EQUITY FUND	EQUITY	JAMES RIVER GROUP HOLDINGS L	552,090.55	15,565	0.47		0
MML SMALL CAP EQUITY FUND	EQUITY	RIGNET INC	240,760.80	17,703	0.20		0
MML SMALL CAP EQUITY FUND	EQUITY	BANKUNITED INC	1,763,877.62	44,119	1.50		0
MML SMALL CAP EQUITY FUND	EQUITY	SPIRIT AIRLINES INC	1,501,755.00	39,750	1.28		0
MML SMALL CAP EQUITY FUND	EQUITY	MOLINA HEALTHCARE INC	1,110,542.40	13,680	0.94		0

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

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	COMPASS MINERALS INTERNATION	1,072,737.00	17,790	0.91		0
MML SMALL CAP EQUITY FUND	EQUITY	SONIC CORP	1,198,425.00	47,500	1.02		0
MML SMALL CAP EQUITY FUND	EQUITY	DYCOM INDUSTRIES INC	1,166,709.20	10,840	0.99		0
MML SMALL CAP EQUITY FUND	EQUITY	NU SKIN ENTERPRISES INC A	595,576.80	8,080	0.51		0
MML SMALL CAP EQUITY FUND	EQUITY	WEBSTER FINANCIAL CORP	910,222.00	16,430	0.77		0
MML SMALL CAP EQUITY FUND	EQUITY	ALLEGHENY TECHNOLOGIES INC	1,000,598.40	42,255	0.85		0
MML SMALL CAP EQUITY FUND	CASH	US DOLLAR	12,510.30	12,510	0.01		0
MML SMALL CAP EQUITY FUND	EQUITY	EXACT SCIENCES CORP	658,992.20	16,340	0.56		0
MML SMALL CAP EQUITY FUND	EQUITY	ENPRO INDUSTRIES INC	636,837.40	8,230	0.54		0
MML SMALL CAP EQUITY FUND	EQUITY	BROOKS AUTOMATION INC	1,338,293.60	49,420	1.14		0
MML SMALL CAP EQUITY FUND	EQUITY	SUBURBAN PROPANE PARTNERS LP	1,467,736.85	66,685	1.25		0
MML SMALL CAP EQUITY FUND	EQUITY	BERKSHIRE HILLS BANCORP INC	962,791.50	25,370	0.82		0
MML SMALL CAP EQUITY FUND	EQUITY	KORN/FERRY INTERNATIONAL	2,937,070.29	56,931	2.50		0
MML SMALL CAP EQUITY FUND	EQUITY	GREENBRIER COMPANIES INC	1,290,420.00	25,680	1.10		0
MML SMALL CAP EQUITY FUND	EQUITY	UNIVERSAL CORP/VA	884,640.00	18,240	0.75		0
MML SMALL CAP EQUITY FUND	EQUITY	BRANDYWINE REALTY TRUST	1,496,213.60	94,220	1.27		0
MML SMALL CAP EQUITY FUND	EQUITY	COLUMBIA BANKING SYSTEM INC	869,623.50	20,730	0.74		0
MML SMALL CAP EQUITY FUND	EQUITY	FRED S INC CLASS A	243,027.20	81,280	0.21		0
MML SMALL CAP EQUITY FUND	EQUITY	WENDY S CO/THE	1,541,416.50	87,830	1.31		0
MML SMALL CAP EQUITY FUND	EQUITY	WESCO AIRCRAFT HOLDINGS INC	674,655.00	65,820	0.57		0
MML SMALL CAP EQUITY FUND	EQUITY	NUVASIVE INC	1,239,987.50	23,750	1.05		0
MML SMALL CAP EQUITY FUND	EQUITY	TEXAS ROADHOUSE INC	914,079.60	15,820	0.78		0
MML SMALL CAP EQUITY FUND	EQUITY	NORTHWESTERN CORP	1,537,066.00	28,570	1.31		0
MML SMALL CAP EQUITY FUND	EQUITY	PRESTIGE BRANDS HOLDINGS INC	1,285,777.32	38,131	1.09		0
MML SMALL CAP EQUITY FUND	EQUITY	DIAMONDROCK HOSPITALITY CO	1,603,897.20	153,630	1.36		0
MML SMALL CAP EQUITY FUND	EQUITY	DSW INC CLASS A	1,375,675.00	61,250	1.17		0
MML SMALL CAP EQUITY FUND	EQUITY	ACCO BRANDS CORP	1,632,755.00	130,100	1.39		0
MML SMALL CAP EQUITY FUND	EQUITY	NXSTAGE MEDICAL INC	570,039.80	22,930	0.48		0
MML SMALL CAP EQUITY FUND	EQUITY	DORMAN PRODUCTS INC	1,229,519.70	18,570	1.05		0
MML SMALL CAP EQUITY FUND	EQUITY	KAISER ALUMINUM CORP	1,496,851.50	14,835	1.27		0
MML SMALL CAP EQUITY FUND	EQUITY	EMERGENT BIOSOLUTIONS INC	996,664.50	18,930	0.85		0
MML SMALL CAP EQUITY FUND	EQUITY	KBR INC	1,108,302.64	68,456	0.94		0
MML SMALL CAP EQUITY FUND	EQUITY	TERADATA CORP	1,298,399.10	32,730	1.10		0
MML SMALL CAP EQUITY FUND	EQUITY	ADDUS HOMECARE CORP	612,600.80	12,592	0.52		0
MML SMALL CAP EQUITY FUND	EQUITY	GENERAC HOLDINGS INC	1,722,084.10	37,510	1.46		0
MML SMALL CAP EQUITY FUND	EQUITY	ENVESTNET INC	1,054,893.00	18,410	0.90		0
MML SMALL CAP EQUITY FUND	EQUITY	VISTEON CORP	2,033,928.00	18,450	1.73		0
MML SMALL CAP EQUITY FUND	EQUITY	BENEFICIAL BANCORP INC	739,713.50	47,570	0.63		0
MML SMALL CAP EQUITY FUND	EQUITY	SUMMIT MATERIALS INC CL A	1,454,318.12	48,029	1.24		0
MML SMALL CAP EQUITY FUND	EQUITY	ETSY INC	1,361,751.80	48,530	1.16		0
MML SMALL CAP EQUITY FUND	EQUITY	NATIONAL STORAGE AFFILIATES	1,550,947.20	61,840	1.32		0
MML SMALL CAP EQUITY FUND	EQUITY	WRIGHT MEDICAL GROUP NV	744,595.20	37,530	0.63		0
MML SMALL CAP EQUITY FUND	EQUITY	FOUR CORNERS PROPERTY TRUST	1,655,091.20	71,680	1.41		0
MML SMALL CAP EQUITY FUND	EQUITY	CRYOPORT INC	201,154.00	23,390	0.17		0
MML SMALL CAP EQUITY FUND	EQUITY	AMERICAN RENAL ASSOCIATES HO	307,066.50	16,290	0.26		0
MML SMALL CAP EQUITY FUND	EQUITY	ADVANCED DISPOSAL SERVICES I	983,840.24	44,158	0.84		0
MML SMALL CAP EQUITY FUND	EQUITY	NOBLE MIDSTREAM PARTNERS LP	1,028,890.95	22,065	0.88		0
MML SMALL CAP EQUITY FUND	EQUITY	ELF BEAUTY INC	831,360.40	42,920	0.71		0
MML SMALL CAP EQUITY FUND	EQUITY	BANK OF NT BUTTERFIELD + SON	952,308.72	21,219	0.81		0
MML SMALL CAP EQUITY FUND	EQUITY	BLACKLINE INC	699,114.30	17,830	0.59		0
MML SMALL CAP EQUITY FUND	EQUITY	HOSTESS BRANDS INC	1,213,963.20	82,080	1.03		0
MML SMALL CAP EQUITY FUND	EQUITY	CANADA GOOSE HOLDINGS INC	1,395,452.10	41,755	1.19		0

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

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	100,501.35	5,465	0.09	0	
MML SMALL CAP EQUITY FUND	EQUITY	ASGN INC	2,580,038.80	31,510	2.19	0	
MML SMALL CAP EQUITY FUND	CASH EQUIVALENT	FIXED INC CLEARING CORP.REPO	2,683,283.87	2,683,284	2.28	0.74	4/2/2018
MML SMALL CAP EQUITY FUND	EQUITY	MANITOWOC COMPANY INC	756,096.82	26,567	0.64	0	
MML SMALL CAP EQUITY FUND	EQUITY	MKS INSTRUMENTS INC	1,917,477.00	16,580	1.63	0	
MML SMALL CAP EQUITY FUND	EQUITY	NAVISTAR INTERNATIONAL CORP	870,053.60	24,880	0.74	0	
MML SMALL CAP EQUITY FUND	EQUITY	GENESEE + WYOMING INC CL A	1,438,452.80	20,320	1.22	0	
MML SMALL CAP EQUITY FUND	EQUITY	IBERIABANK CORP	1,212,120.00	15,540	1.03	0	
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	EXETER AUTOMOBILE RECEIVABLES	700,838.46	700,000	0.06	3	12/15/2021
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	SOCIAL PROFESSIONAL LOAN PROGR	1,088,970.36	1,083,182	0.09	2.5715	3/26/2040
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	ECMC GROUP STUDENT LOAN TRUST	1,763,779.77	1,742,697	0.15	3.0715	12/27/2066
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	AVERY POINT CLO LTD	2,450,820.75	2,450,000	0.21	2.8452	4/25/2026
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	TRAFIGURA SECURITISATION FINAN	1,005,431.00	1,000,000	0.09	2.6266	12/15/2020
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	2,540,469.63	2,550,000	0.22	2.3452	10/25/2065
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	OSCAR US FUNDING TRUST	10,549.13	10,562	0.00	1.45	10/10/2018
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	DRB PRIME STUDENT LOAN TRUST	983,745.84	982,019	0.08	2.4215	11/25/2042
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	AIMCO	2,450,568.40	2,450,000	0.21	2.57152	1/15/2028
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	JP MORGAN MORTGAGE TRUST	1,090,560.10	1,086,815	0.09	3.5	12/25/2048
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	MP CLO VII, LTD	1,900,514.90	1,900,000	0.16	2.57408	4/18/2027
MML INFLATION-PROTECTED & INCOME FUND	CASH EQUIVALENT	TRANSCANADA PIPELINES LTD	5,995,120.98	6,000,000	0.51	0	4/12/2018
MML INFLATION-PROTECTED & INCOME FUND	CASH EQUIVALENT	AMERICAN ELEC PWR INC	5,997,631.68	6,000,000	0.51	0	4/5/2018
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	1,217,401.93	1,210,000	0.10	2.3413	1/25/2041
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	JP MORGAN MORTGAGE TRUST	749,170.47	744,424	0.06	3.5	6/25/2048
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	NAVIENT STUDENT LOAN TRUST	1,409,385.95	1,409,400	0.12	2.0615	3/25/2067
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	NAVIENT STUDENT LOAN TRUST	1,121,708.67	1,120,000	0.10	2.5915	3/25/2067
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	DEEPHAVEN RESIDENTIAL MORTGAGE	1,174,204.23	1,174,229	0.10	2.976	12/25/2057
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	DEEPHAVEN RESIDENTIAL MORTGAGE	1,168,357.75	1,174,229	0.10	3.027	12/25/2057
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	VMC FINANCE LLC	1,238,557.11	1,230,000	0.11	2.5966	4/15/2035
MML INFLATION-PROTECTED & INCOME FUND	CASH EQUIVALENT	SUNCOR ENERGY INC	1,499,666.00	1,500,000	0.13	0	4/2/2018
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	TPG REAL ESTATE FINANCE	640,353.98	640,000	0.05	2.53638	2/15/2035
MML INFLATION-PROTECTED & INCOME FUND	CASH EQUIVALENT	REVERSE REPO DAIWA SECURITIES	(59,567,500.00)	(59,567,500)	5.07	1.64	4/6/2018
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	SEQUOIA MORTGAGE TRUST	868,231.56	860,528	0.07	4	2/25/2048
MML INFLATION-PROTECTED & INCOME FUND	CASH EQUIVALENT	REVERSE REPO HSBC	(19,507,500.00)	(19,507,500)	1.66	1.9	4/3/2018
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	NELNET STUDENT LOAN TRUST	1,790,000.00	1,790,000	0.15	2.63688	5/25/2066
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	CONSUMER INSTALLMENT LOAN TRUS	105,398.16	105,392	0.01	3.96	7/15/2022
MML INFLATION-PROTECTED & INCOME FUND	CASH EQUIVALENT	REVERSE REPO MORGAN STANLEY	(28,142,500.00)	(28,142,500)	2.39	1.64	4/4/2018
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	DIAMOND RESORTS OWNER TRUST	516,057.77	516,074	0.04	2.27	5/20/2026
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	DRUG ROYALTY II LP 1	271,719.21	269,648	0.02	4.57152	7/15/2023
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	321 HENDERSON RECEIVABLES LLC	1,723,696.25	1,764,137	0.15	1.9766	6/15/2041
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	GOAL CAPITAL FUNDING TRUST	419,613.16	420,067	0.04	2.64363	8/25/2048
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	NELNET STUDENT LOAN TRUST	92,931.38	92,278	0.01	2.4207	4/25/2046
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	453,919.27	440,000	0.04	4.2766	1/15/2043
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	NELNET STUDENT LOAN TRUST	654,364.43	650,000	0.06	1.8652	4/25/2031
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	ARL LLC	746,490.37	741,209	0.06	3.3375	12/15/2042
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	DT AUTO OWNER TRUST	519,955.59	520,000	0.04	3.04	1/18/2022
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	NEXTGEAR FLOORPLAN MASTER OWNE	849,959.63	850,000	0.07	3.09	2/15/2023
MML INFLATION-PROTECTED & INCOME FUND	CASH EQUIVALENT	WPP CP LLC	4,476,428.37	4,500,000	0.38	0	6/14/2018
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	RETL	1,105,162.63	1,100,000	0.09	2.877	3/15/2033
MML INFLATION-PROTECTED & INCOME FUND	CASH EQUIVALENT	REVERSE REPO GOLDMAN	(41,279,395.81)	(41,279,396)	3.51	1.87	6/7/2018
MML INFLATION-PROTECTED & INCOME FUND	CASH EQUIVALENT	FORTIVE CORPORATION	5,968,571.16	6,000,000	0.51	0	6/14/2018
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	PSMC TRUST	1,038,700.00	1,040,000	0.09	3.5	2/25/2048
MML INFLATION-PROTECTED & INCOME FUND	CASH EQUIVALENT	INTERPUBLIC GROUP COS	5,685,134.06	5,700,000	0.48	0	5/9/2018

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML INFLATION-PROTECTED & INCOME FUND	CASH EQUIVALENT	MOLEX ELECTRONIC TECHNOLOGIES	5,966,167.32	6,000,000	0.51	0	6/13/2018
MML INFLATION-PROTECTED & INCOME FUND	CASH EQUIVALENT	PUBLIC SEVC. ENT. GR	5,971,351.50	6,000,000	0.51	0	6/8/2018
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	OSCAR US FUNDING TRUST	539,799.66	540,000	0.05	2.91	4/12/2021
MML INFLATION-PROTECTED & INCOME FUND	CASH EQUIVALENT	INTERPUBLIC GROUP COS	298,750.93	300,000	0.03	0	6/1/2018
MML INFLATION-PROTECTED & INCOME FUND	CASH EQUIVALENT	NEXTERA ENERGY CAP HLDGS INC	2,997,375.00	3,000,000	0.25	0	4/13/2018
MML INFLATION-PROTECTED & INCOME FUND	CASH EQUIVALENT	REVERSE REPO HSBC	(16,747,375.00)	(16,747,375)	1.42	1.88	4/3/2018
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	NAVIENT STUDENT LOAN TRUST	779,990.64	780,000	0.07	2.35817	3/25/2067
MML INFLATION-PROTECTED & INCOME FUND	CASH EQUIVALENT	HP INC	5,972,448.00	6,000,000	0.51	0	6/19/2018
MML INFLATION-PROTECTED & INCOME FUND	CASH EQUIVALENT	POTASH CORP SASK	5,966,682.00	6,000,000	0.51	0	6/18/2018
MML INFLATION-PROTECTED & INCOME FUND	CASH EQUIVALENT	DUKE ENERGY CORP	5,965,252.02	6,000,000	0.51	0	6/21/2018
MML INFLATION-PROTECTED & INCOME FUND	CASH EQUIVALENT	BEMIS COMPANY INC.	5,997,281.34	6,000,000	0.51	0	4/6/2018
MML INFLATION-PROTECTED & INCOME FUND	CASH EQUIVALENT	VF CORPORATION	5,979,329.16	6,000,000	0.51	0	5/23/2018
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	JP MORGAN MORTGAGE TRUST	1,096,913.40	1,100,000	0.09	3.5	4/25/2048
MML INFLATION-PROTECTED & INCOME FUND	CASH EQUIVALENT	BELL CANADA	5,964,325.86	6,000,000	0.51	0	6/26/2018
MML INFLATION-PROTECTED & INCOME FUND	CASH EQUIVALENT	TIME WARNER INC	5,966,682.00	6,000,000	0.51	0	6/18/2018
MML INFLATION-PROTECTED & INCOME FUND	CASH EQUIVALENT	TELUS CORP	5,965,734.84	6,000,000	0.51	0	6/20/2018
MML INFLATION-PROTECTED & INCOME FUND	CASH EQUIVALENT	B A T INTL FIN	499,860.28	500,000	0.04	0	4/3/2018
MML INFLATION-PROTECTED & INCOME FUND	CASH EQUIVALENT	FIXED INC CLEARING CORP.REPO	103,082.45	103,082	0.01	0.74	4/2/2018
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	89,265.24	88,826	0.01	2.9452	7/27/2026
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	LONG BEACH MORTGAGE LOAN TRUST	40,498.59	40,480	0.00	2.6965	6/25/2035
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	RAAC SERIES	73,007.23	73,144	0.01	2.1215	2/25/2037
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	GCCFC COMMERCIAL MORTGAGE TRUS	349,702.05	345,484	0.03	5.73606	7/10/2038
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	ACE SECURITIES CORP.	76,013.17	75,309	0.01	2.6065	8/25/2035
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	CREDIT SUISSE FIRST BOSTON MOR	102,493.55	102,736	0.01	2.5715	3/25/2045
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	697,253.83	700,000	0.06	1.8852	10/25/2028
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	1,000,395.22	1,061,836	0.09	1.9652	3/25/2044
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	NELNET STUDENT LOAN TRUST	406,379.18	443,419	0.03	1.92464	6/25/2041
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	KEYCORP STUDENT LOAN TRUST	555,668.18	557,646	0.05	2.60155	9/27/2035
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	SLC STUDENT LOAN TRUST	81,990.03	82,005	0.01	1.89019	7/15/2036
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	1,159,927.44	1,200,000	0.10	1.8852	1/27/2042
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	ACCESS GROUP INC	111,041.60	117,703	0.01	3.14363	7/1/2038
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	321 HENDERSON RECEIVABLES LLC	693,599.06	738,546	0.06	1.9766	3/15/2042
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	CIT EDUCATION LOAN TRUST	270,220.64	270,284	0.02	1.8966	3/15/2026
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	BRAZOS TX HGR EDU AUTH	442,247.04	450,000	0.04	0.4455	6/25/2026
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	513,035.67	536,220	0.04	2.7745	12/15/2038
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	ARI FLEET LEASE TRUST	2,297,720.70	2,300,000	0.20	1.95	3/15/2019
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	SOCIAL PROFESSIONAL LOAN PROGR	198,287.93	196,458	0.02	3.0715	3/25/2033
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	ALLY MASTER OWNER TRUST	1,203,506.88	1,200,000	0.10	2.3466	1/15/2021
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	FREDDIE MAC STACR	34,892.55	34,873	0.00	2.7715	10/25/2027
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	EDUCATIONAL SERVICES OF AMERIC	568,067.28	565,921	0.05	2.6715	10/25/2056
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	DIAMOND RESORTS OWNER TRUST	73,020.47	73,974	0.01	2.73	7/20/2027
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	GENERAL MOTORS FINL CO	1,741,631.08	1,720,000	0.15	3.78019	1/15/2019
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	BM1058601 CDS USD P V 01MEVENT	(890,000.00)	(890,000)	0.08	1	5/11/2063
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	DRB PRIME STUDENT LOAN TRUST	230,236.49	223,783	0.02	3.8715	4/25/2040
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	OSCAR US FUNDING TRUST	118,937.49	118,463	0.01	3.2875	7/15/2020
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	1,837,481.24	1,850,000	0.16	2.2952	10/25/2064
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	TACO BELL FUNDING, LLC	2,184,805.26	2,172,500	0.19	3.832	5/25/2046
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	NAVIENT STUDENT LOAN TRUST	756,405.83	750,000	0.06	2.7215	6/25/2065
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	CHESAPEAKE FUNDING II LLC	1,252,460.04	1,248,070	0.11	2.7766	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	ECMC GROUP STUDENT LOAN TRUST	1,178,646.90	1,163,321	0.10	3.2215	7/26/2066
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	450,929.91	476,204	0.04	1.9552	10/25/2040

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

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	DRB PRIME STUDENT LOAN TRUST	1,423,542.20	1,422,831	0.12	3.7715	10/25/2044
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	SMB PRIVATE EDUCATION LOAN TRU	386,434.24	380,000	0.03	2.8766	9/15/2034
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	NAVIENT STUDENT LOAN TRUST	2,286,827.40	2,200,000	0.19	3.1715	3/25/2066
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	HP ENTERPRISE CO	1,714,988.88	1,700,000	0.15	3.62593	10/5/2018
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	SANTANDER RETAIL AUTO LEASE TR	2,778,808.73	2,781,839	0.24	1.5	11/20/2018
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	FIRST INVESTORS AUTO OWNER TRU	1,797,488.82	1,808,120	0.15	2	3/15/2022
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	FIRST INVESTORS AUTO OWNER TRU	589,346.40	600,000	0.05	2.72	4/17/2023
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	NEUBERGER BERMAN CLO LTD	2,449,982.85	2,450,000	0.21	2.52152	1/15/2028
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	BM1105360 IRS USD R V 12MUSCPI	8,500,000.00	8,500,000	0.72	1	11/20/2019
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	BM1105360 IRS USD P F 2.01250	(8,450,268.46)	(8,500,000)	0.72	2.0125	11/20/2019
MML INFLATION-PROTECTED & INCOME FUND	FUTURE	US LONG BOND(CBT) JUN18	-	(200,000)	0.00	0	6/20/2018
MML INFLATION-PROTECTED & INCOME FUND	FUTURE	US ULTRA BOND CBT JUN18	-	(100,000)	0.00	0	6/20/2018
MML INFLATION-PROTECTED & INCOME FUND	FUTURE	US 10YR NOTE (CBT)JUN18	-	(2,600,000)	0.00	0	6/20/2018
MML INFLATION-PROTECTED & INCOME FUND	FUTURE	US 5YR NOTE (CBT) JUN18	-	(2,600,000)	0.00	0	6/29/2018
MML INFLATION-PROTECTED & INCOME FUND	FUTURE	US 2YR NOTE (CBT) JUN18	-	(14,800,000)	0.00	0	6/29/2018
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	OCP CLO LTD	2,449,977.95	2,450,000	0.21	2.57246	10/26/2027
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	AMERICAN CREDIT ACCEPTANCE REC	1,116,317.97	1,119,026	0.09	2	7/10/2020
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	AMERICAN CREDIT ACCEPTANCE REC	1,441,319.14	1,450,000	0.12	2.94	1/10/2024
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	SOCIAL PROFESSIONAL LOAN PROGR	1,076,631.65	1,088,115	0.09	2.05	1/25/2041
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	ONEMAIN DIRECT AUTO RECEIVABLE	933,187.82	940,000	0.08	2.31	12/14/2021
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	MARINER FINANCE ISSUANCE TRUST	1,580,831.36	1,600,000	0.13	2.92	12/20/2029
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	CIFC FUNDING LTD	2,449,958.35	2,450,000	0.21	2.50152	4/15/2027
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	FREDDIE MAC	734,120.89	739,842	0.06	3	3/15/2041
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	FANNIE MAE	583,102.92	584,881	0.05	3	1/25/2041
MML INFLATION-PROTECTED & INCOME FUND	OPTIONS	BM1106004 SWAPTION	1,189,195.32	22,880,000	0.10	0	12/13/2032
MML INFLATION-PROTECTED & INCOME FUND	OPTIONS	BM1106277 SWAPTION	469,352.95	11,240,000	0.04	0	12/13/2032
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	BM1106707 IRS USD R V 12MUSCPI	17,000,000.00	17,000,000	1.45	1	12/20/2019
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	BM1106707 IRS USD P F 1.91000	(16,881,443.19)	(17,000,000)	1.44	1.91	12/20/2019
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	EDLINC STUDENT LOAN FUNDING TR	1,241,322.51	1,251,257	0.11	3.35	12/1/2047
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	SOFI CONSUMER LOAN PROGRAM TRU	444,061.42	444,612	0.04	3.05	12/26/2025
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	NEW RESIDENTIAL ADVANCE RECEIV	3,760,943.60	3,800,000	0.32	2.5751	10/15/2049
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	ORANGE LAKE TIMESHARE TRUST	414,567.88	426,767	0.04	2.61	3/8/2029
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	FLAGSHIP CREDIT AUTO TRUST	663,246.64	680,000	0.06	2.71	11/15/2022
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	FANNIE MAE CAS	778,720.74	772,666	0.07	3.1715	4/25/2029
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	FREDDIE MAC	533,447.81	539,354	0.05	3	5/15/2039
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	CPS AUTO TRUST	314,760.93	315,679	0.03	2.16	5/17/2021
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	BM1106996 IRS USD R V 12MUSCPI	8,500,000.00	8,500,000	0.72	1	1/11/2020
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	BM1106996 IRS USD P F 2.05750	(8,466,922.17)	(8,500,000)	0.72	2.0575	1/11/2020
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	TSY INFL IX N/B	7,373,589.18	7,507,818	0.63	0.5	1/15/2028
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	WESTLAKE AUTOMOBILE RECEIVABLE	964,060.57	964,714	0.08	1.75	2/15/2019
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	BM1107150 IRS USD R V 12MUSCPI	5,300,000.00	5,300,000	0.45	1	1/19/2020
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	BM1107150 IRS USD P F 2.09500	(5,284,610.50)	(5,300,000)	0.45	2.095	1/19/2020
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	MARLETTE FUNDING TRUST	2,094,193.65	2,097,253	0.18	2.61	3/15/2028
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	SANTANDER DRIVE AUTO RECEIVABL	1,627,765.16	1,628,476	0.14	1.83	2/15/2019
MML INFLATION-PROTECTED & INCOME FUND	CASH EQUIVALENT	WALGREENS BOOTS	5,979,250.50	6,000,000	0.51	0	5/21/2018
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	EXETER AUTOMOBILE RECEIVABLES	938,258.48	941,104	0.08	2.21	5/17/2021
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	EXETER AUTOMOBILE RECEIVABLES	446,687.73	450,000	0.04	2.75	4/15/2022
MML INFLATION-PROTECTED & INCOME FUND	CASH EQUIVALENT	NATIONAL GRID USA	5,990,367.00	6,000,000	0.51	0	4/24/2018
MML INFLATION-PROTECTED & INCOME FUND	OPTIONS	BM1107838 SWAPTION	591,830.72	12,590,000	0.05	0	1/31/2033
MML INFLATION-PROTECTED & INCOME FUND	OPTIONS	BM1107945 SWAPTION	294,111.31	6,310,000	0.03	0	1/31/2033
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	TESLA AUTO LEASE TRUST	852,624.82	854,162	0.07	2.32	12/20/2019
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	TESLA AUTO LEASE TRUST	264,504.53	265,000	0.02	2.75	2/20/2020

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML INFLATION-PROTECTED & INCOME FUND	CASH EQUIVALENT	REVERSE REPO PARIBAS	(73,159,625.00)	(73,159,625)	6.22	1.72	5/3/2018
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	TSY INFL IX N/B	6,699,112.99	6,530,095	0.57	1	2/15/2048
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	NAVIENT STUDENT LOAN TRUST	3,217,895.25	3,230,000	0.27	2.53	2/18/2042
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	FLAGSHIP CREDIT AUTO TRUST	2,192,457.96	2,192,502	0.19	2.59	6/15/2022
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	BCC FUNDING CORP	978,161.91	980,000	0.08	2.96	6/20/2023
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	BCC FUNDING CORP	4,206,116.37	4,208,604	0.36	2.2	2/20/2019
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	DRIVE AUTO RECEIVABLES TRUST	2,469,089.63	2,470,514	0.21	1.91	3/15/2019
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	SEQUOIA MORTGAGE TRUST	995,150.32	992,638	0.08	3.5	3/25/2048
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	PNMAC GMSR ISSUER TRUST	441,661.79	440,000	0.04	4.7215	2/25/2023
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	TLF NATIONAL TAX LIEN TRUST	1,390,779.47	1,392,414	0.12	3.09	12/15/2029
MML INFLATION-PROTECTED & INCOME FUND	CASH EQUIVALENT	HYUNDAI CAPITAL AMERICA	5,968,098.00	6,000,000	0.51	0	6/15/2018
MML INFLATION-PROTECTED & INCOME FUND	CASH EQUIVALENT	SEMPRA ENERGY HOLDIN	5,969,029.98	6,000,000	0.51	0	6/13/2018
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	ECMC GROUP STUDENT LOAN TRUST	4,349,214.83	4,350,000	0.37	2.53338	2/27/2068
MML INFLATION-PROTECTED & INCOME FUND	CASH EQUIVALENT	REVERSE REPO HSBC	(74,266,875.00)	(74,266,875)	6.32	1.83	6/6/2018
MML INFLATION-PROTECTED & INCOME FUND	CASH EQUIVALENT	MICHELIN LUXEMBOURG SCS	5,984,194.50	6,000,000	0.51	0	5/9/2018
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	DT AUTO OWNER TRUST	1,549,972.26	1,550,000	0.13	2.59	5/17/2021
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	MARLETTE FUNDING TRUST	172,210.34	172,031	0.01	3.06	1/17/2023
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	SOFI CONSUMER LOAN PROGRAM TRU	655,278.87	654,813	0.06	3.09	10/27/2025
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	NEW YORK CITY TAX LIEN	634,611.65	640,331	0.05	1.47	11/10/2029
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	CFC LLC	4,496.79	4,499	0.00	1.44	11/16/2020
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	SMB PRIVATE EDUCATION LOAN TRU	655,810.93	655,400	0.06	3.05	5/15/2026
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	MIRAMAX LLC	568,622.46	570,732	0.05	3.34	7/20/2026
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	WESTGATE RESORTS	181,752.70	183,230	0.02	2.15	12/20/2026
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	SIERRA RECEIVABLES FUNDING CO	257,275.97	258,867	0.02	2.3	10/20/2031
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	SIERRA RECEIVABLES FUNDING CO	630,816.75	633,779	0.05	2.8	10/20/2031
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	BANK OF THE WEST AUTO TRUST	292,200.76	292,277	0.02	1.65	3/16/2020
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	OXFORD FINANCE FUNDING TRUST	84,327.99	85,193	0.01	3.475	12/15/2022
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	DONG FANG CONTAINER FINANCE SP	132,447.52	133,333	0.01	1.95	11/25/2039
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	NAVIENT STUDENT LOAN TRUST	770,560.53	752,846	0.07	2.9766	12/15/2028
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	TSY INFL IX N/B	19,343,362.83	19,778,915	1.65	0.25	1/15/2025
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	CFC LLC	76,905.52	77,032	0.01	1.75	6/15/2021
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	KENTUCKY ST HGR EDU STUDENT LO	434,839.33	435,070	0.04	2.414	12/1/2031
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	EARNST STUDENT LOAN PROGRAM L	773,679.22	762,217	0.07	3.7215	10/27/2036
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	NAVIENT STUDENT LOAN TRUST	2,625,697.05	2,562,536	0.22	3.1215	6/25/2065
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	FLAGSHIP CREDIT AUTO TRUST	54,768.66	54,783	0.00	1.61	12/15/2019
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	FANNIE MAE CAS	368,730.22	367,160	0.03	3.2215	1/25/2029
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	SPRINGCASTLE SPV	990,995.57	992,410	0.08	3.05	4/25/2029
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	NAVISTAR FINANCIAL DEALER NOTE	783,464.99	780,000	0.07	2.9707	9/27/2021
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	EXETER AUTOMOBILE RECEIVABLES	419,754.38	420,000	0.04	2.84	8/16/2021
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	BLACKBIRD CAPITAL AIRCRAFT	343,406.94	350,208	0.03	2.487	12/16/2041
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	SOFI CONSUMER LOAN PROGRAM TRU	2,219,501.25	2,222,981	0.19	3.06	9/25/2028
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	LCM LTD PARTNERSHIP	290,086.13	290,000	0.02	2.9447	10/20/2029
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	SPRINGLEAF FUNDING TRUST	1,821,887.06	1,830,000	0.15	2.9	11/15/2029
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	NELNET PRIVATE EDUCATION LOAN	748,636.54	747,220	0.06	3.3707	12/26/2040
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	CPS AUTO TRUST	1,991,570.00	2,000,000	0.17	2.68	5/17/2021
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	FLAGSHIP CREDIT AUTO TRUST	1,313,559.85	1,320,000	0.11	2.83	3/15/2023
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	TSY INFL IX N/B	6,621,952.51	6,670,820	0.56	0.875	2/15/2047
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	BM1069863 IRS USD P F 2.19500	(8,602,062.45)	(8,600,000)	0.73	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	0.73	1	2/16/2019
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	MARINER FINANCE ISSUANCE TRUST	780,155.53	770,000	0.07	3.62	2/20/2029
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	AMERICAN CREDIT ACCEPTANCE REC	947,252.70	950,000	0.08	2.39	2/16/2021
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	SOFI CONSUMER LOAN PROGRAM TRU	889,382.62	886,305	0.08	3.28	2/25/2026

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

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	OSCAR US FUNDING TRUST	415,778.16	420,000	0.04	3.3	5/10/2024
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	OSCAR US FUNDING TRUST	495,817.00	500,000	0.04	2.82	6/10/2021
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	MARLETTE FUNDING TRUST	1,092,235.30	1,092,142	0.09	2.827	3/15/2024
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	WESTGATE RESORTS	677,657.55	683,146	0.06	3.05	12/20/2030
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	TSY INFL IX N/B	26,212,511.27	26,587,287	2.23	0.125	4/15/2022
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	COMMONBOND STUDENT LOAN TRUST	686,273.76	680,848	0.06	2.7215	5/25/2041
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	DRIVE AUTO RECEIVABLES TRUST	648,479.91	650,000	0.06	2.84	4/15/2022
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	MARLETTE FUNDING TRUST	602,286.20	603,701	0.05	2.39	7/15/2024
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	TRAFIGURA SECURITISATION FINAN	1,335,575.36	1,330,000	0.11	3.4766	12/15/2020
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	TSY INFL IX N/B	27,910,787.72	28,610,188	2.37	0.375	7/15/2027
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	TRIP RAIL MASTER FUNDING LLC	282,692.22	286,114	0.02	2.709	8/15/2047
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	MVW OWNER TRUST	197,731.82	202,216	0.02	2.42	12/20/2034
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	DT AUTO OWNER TRUST	806,832.82	810,000	0.07	2.4	5/17/2021
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	FANNIE MAE	1,137,492.87	1,143,269	0.10	3	4/25/2040
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	CPS AUTO TRUST	1,361,839.63	1,367,719	0.12	1.87	3/15/2021
MML INFLATION-PROTECTED & INCOME FUND	CASH EQUIVALENT	DOMINION RESOURCES	5,996,214.18	6,000,000	0.51	0	4/9/2018
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	ENTERPRISE FLEET FINANCING LLC	1,473,657.06	1,477,392	0.13	1.5	10/22/2018
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	MARLETTE FUNDING TRUST	506,959.47	508,730	0.04	2.36	12/15/2024
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	AVANT LOANS FUNDING TRUST	1,141,423.66	1,143,076	0.10	2.29	6/15/2020
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	BM1105022 IRS USD R V 12MUSCPI	8,700,000.00	8,700,000	0.74	1	10/31/2019
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	BM1105022 IRS USD P F 2.09000	(8,641,645.53)	(8,700,000)	0.74	2.09	10/31/2019
MML INFLATION-PROTECTED & INCOME FUND	CASH EQUIVALENT	XCEL ENERGY INC	5,990,795.82	6,000,000	0.51	0	4/23/2018
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	AMERICREDIT AUTOMOBILE RECEIVA	912,814.61	913,355	0.08	1.45	11/19/2018
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	DT AUTO OWNER TRUST	1,317,818.25	1,322,161	0.11	1.85	8/17/2020
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	DRB PRIME STUDENT LOAN TRUST	766,581.85	771,612	0.07	1.87	11/25/2042
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	FLAGSHIP CREDIT AUTO TRUST	2,157,103.35	2,190,000	0.18	2.66	10/17/2022
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	FLAGSHIP CREDIT AUTO TRUST	1,458,690.36	1,469,861	0.12	2.07	4/15/2022
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	ALLY AUTO RECEIVABLES TRUST	595,753.38	596,287	0.05	1.4	12/17/2018
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	577,541.52	600,000	0.05	1.8552	1/26/2043
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	FED HM LN PC POOL 1Q0239	577,223.25	550,678	0.05	3.58	3/1/2037
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	TSY INFL IX N/B	7,150,578.50	6,503,970	0.61	1.75	1/15/2028
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	ACCESS GROUP INC	116,150.22	116,151	0.01	2.08394	11/22/2024
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	321 HENDERSON RECEIVABLES LLC	165,876.68	175,075	0.01	1.9766	9/15/2041
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	321 HENDERSON RECEIVABLES LLC	353,016.28	361,068	0.03	1.9766	12/15/2041
MML INFLATION-PROTECTED & INCOME FUND	EQUITY	SWAP GOLDMAN SACHS COC	119,000.00	119,000	0.01	0	
MML INFLATION-PROTECTED & INCOME FUND	EQUITY	SWAP BARCLAYS BANK BOC	(1,660,000.00)	(1,660,000)	0.14	0	
MML INFLATION-PROTECTED & INCOME FUND	EQUITY	SWAP CREDIT SUISSE BOC	(950,000.00)	(950,000)	0.08	0	
MML INFLATION-PROTECTED & INCOME FUND	EQUITY	FORWARDS MORGAN STANLEY COC	509,498.00	509,498	0.04	0	
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	GNMA II POOL 082462	163,092.09	156,960	0.01	2.375	1/20/2040
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	TSY INFL IX N/B	3,254,968.15	2,578,928	0.28	2.125	2/15/2040
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	JP MORGAN STUDENT LOAN TRUST	615,152.88	644,777	0.05	1.66389	6/28/2039
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	TSY INFL IX N/B	21,569,393.09	21,087,150	1.83	1.125	1/15/2021
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	450,715.86	482,294	0.04	1.9652	1/25/2041
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	398,509.96	400,000	0.03	2.0452	7/25/2025
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	451,435.97	478,711	0.04	2.0552	1/25/2055
MML INFLATION-PROTECTED & INCOME FUND	CASH	EURO CURRENCY	0.15	0	0.00	0	
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	ELARA HGV TIMESHARE ISSUER	214,853.22	221,298	0.02	3.02	2/25/2027
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	CPS AUTO TRUST	370,880.77	370,879	0.03	2.55	2/18/2020
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	DRB PRIME STUDENT LOAN TRUST	154,112.51	156,585	0.01	2.54	4/27/2026
MML INFLATION-PROTECTED & INCOME FUND	EQUITY	FORWARDS DAIWA BOC	(2,052,000.00)	(2,052,000)	0.17	0	
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	SIERRA RECEIVABLES FUNDING CO	54,594.13	54,911	0.00	3.08	9/20/2032
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	FREDDIE MAC	869,386.83	876,471	0.07	3	8/15/2040

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

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	SIERRA RECEIVABLES FUNDING CO	1,632,462.92	1,639,995	0.14	3.02	6/20/2032
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	BM1048172 CDS USD R F 3.00000	588,343.59	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	TSY INFL IX N/B	19,958,925.89	20,214,365	1.70	0.375	7/15/2025
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	FLAGSHIP CREDIT AUTO TRUST	199,972.45	200,380	0.02	1.98	10/15/2020
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	FLAGSHIP CREDIT AUTO TRUST	1,516,783.95	1,517,400	0.13	2.38	10/15/2020
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	BLUE VIRGO	624,377.32	623,209	0.05	3	12/15/2022
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	DIAMOND RESORTS OWNER TRUST	137,058.31	138,581	0.01	3.54	5/22/2028
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	WESTGATE RESORTS	404,251.81	405,253	0.03	3.2	7/20/2028
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	FNA TRUST	180,900.55	181,628	0.02	3.24	12/10/2023
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	DRB PRIME STUDENT LOAN TRUST	760,475.72	745,402	0.06	3.5715	1/25/2040
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	EDUCATIONAL SERVICES OF AMERIC	969,901.20	1,000,000	0.08	3.3715	12/25/2058
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	TSY INFL IX N/B	4,169,821.36	4,170,440	0.35	0.625	1/15/2026
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	CPS AUTO TRUST	147,714.02	147,729	0.01	2.25	10/15/2019
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	BM1058767 CDS USD R F 3.00000	281,381.72	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	758,877.96	890,000	0.06	3	5/11/2063
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	ENTERPRISE FLEET FINANCING LLC	379,225.60	380,162	0.03	1.83	9/20/2021
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	NATIONS EQUIPMENT FINANCE	177,974.86	178,130	0.02	3.61	2/20/2021
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	TSY INFL IX N/B	1,209,391.29	1,180,854	0.10	1	2/15/2046
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	FLAGSHIP CREDIT AUTO TRUST	277,375.82	277,196	0.02	2.77	12/15/2020
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	SOCIAL PROFESSIONAL LOAN PROGR	671,356.58	651,154	0.06	3.6215	8/25/2036
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	ELEMENT RAIL LEASING LLC	392,857.06	391,631	0.03	3.968	3/19/2046
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	NELNET STUDENT LOAN TRUST	1,437,050.57	1,499,977	0.12	2.0952	10/25/2040
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	HERTZ FLEET LEASE FUNDING LP	979,891.40	974,092	0.08	2.83957	4/10/2030
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	TSY INFL IX N/B	27,847,231.75	28,086,405	2.37	0.125	4/15/2021
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	CPS AUTO TRUST	26,745.82	26,757	0.00	2.07	11/15/2019
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	NEXTGEAR FLOORPLAN MASTER OWNE	972,653.28	960,000	0.08	3.4766	4/15/2021
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	EARNST STUDENT LOAN PROGRAM L	577,210.41	555,203	0.05	3.9215	2/26/2035
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	DRB PRIME STUDENT LOAN TRUST	619,828.12	629,278	0.05	2.89	6/25/2040
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	DELL INT LLC / EMC CORP	1,104,975.44	1,100,000	0.09	3.48	6/1/2019
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	DRIVE AUTO RECEIVABLES TRUST	35,909.24	35,908	0.00	2.56	6/15/2020
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	SOCIAL PROFESSIONAL LOAN PROGR	304,332.33	304,861	0.03	1.68	3/25/2031
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	OXFORD FINANCE FUNDING TRUST	498,833.10	500,000	0.04	3.968	6/17/2024
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	WESTLAKE AUTOMOBILE RECEIVABLE	38,444.19	38,456	0.00	1.57	6/17/2019
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	SOFI CONSUMER LOAN PROGRAM TRU	1,038,103.60	1,037,431	0.09	3.26	8/25/2025
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	TSY INFL IX N/B	20,789,133.05	21,631,574	1.77	0.125	7/15/2026
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	CPS AUTO TRUST	68,078.25	68,163	0.01	1.62	1/15/2020
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	FANNIE MAE CAS	556,321.40	552,007	0.05	3.3215	1/25/2029
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	SOCIAL PROFESSIONAL LOAN PROGR	451,920.06	454,269	0.04	1.48	5/26/2031
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	TSY INFL IX N/B	8,985,518.75	6,751,270	0.76	3.875	4/15/2029
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	TSY INFL IX N/B	3,757,094.52	2,791,400	0.32	3.375	4/15/2032
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	700,000.00	700,000	0.06	4.48	6/17/2030
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	550,000.00	550,000	0.05	4.49	6/17/2030
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	KEYCORP STUDENT LOAN TRUST	423,587.29	428,921	0.04	2.26363	5/25/2029
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	750,000.00	750,000	0.06	5.083	9/15/2028
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	COUNTRYWIDE ASSET BACKED CERTI	45,102.66	45,130	0.00	2.3315	9/25/2034
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	TSY INFL IX N/B	11,486,983.50	10,257,955	0.98	2.375	1/15/2025
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	240,000.00	240,000	0.02	4.08	3/15/2028
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	TSY INFL IX N/B	9,234,569.29	8,362,873	0.79	2	1/15/2026
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	341,532.56	363,782	0.03	2.2152	10/25/2064
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	NELNET STUDENT LOAN TRUST	867,860.10	926,705	0.07	1.9452	1/25/2038

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

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	CITIGROUP MORTGAGE LOAN TRUST	180,484.30	179,984	0.02	2.5465	5/25/2035
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	SLC STUDENT LOAN TRUST	1,432,772.47	1,523,920	0.12	2.3545	12/15/2039
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	ACCESS GROUP INC	730,009.44	759,908	0.06	2.85814	9/22/2037
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	MORGAN STANLEY CAPITAL INC	2,532.67	2,531	0.00	2.8165	4/25/2035
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	TSY INFL IX N/B	6,479,994.05	5,054,610	0.55	3.625	4/15/2028
MML INFLATION-PROTECTED & INCOME FUND	CASH	US DOLLAR	19,445.01	19,445	0.00	0	
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	TSY INFL IX N/B	8,388,603.19	8,700,371	0.71	0.75	2/15/2045
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	WESTGATE RESORTS	199,745.78	200,362	0.02	2.75	5/20/2027
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	FLAGSHIP CREDIT AUTO TRUST	19,987.41	19,993	0.00	1.63	6/15/2020
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	OSCAR US FUNDING TRUST	745,749.75	750,000	0.06	2.44	6/15/2022
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	SIERRA RECEIVABLES FUNDING CO	729,108.72	731,660	0.06	3.05	3/22/2032
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	PRESTIGE AUTO RECEIVABLES TRUS	447,267.73	447,720	0.04	2.04	4/15/2021
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	SANTANDER DRIVE AUTO RECEIVABL	950,285.28	950,781	0.08	2.44	4/15/2021
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	TSY INFL IX N/B	9,167,805.67	9,203,643	0.78	0.125	4/15/2020
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	ALLY FINANCIAL INC	1,705,000.00	1,705,000	0.15	3.6	5/21/2018
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	CPS AUTO TRUST	64,359.64	64,397	0.01	1.65	11/15/2019
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	BCC FUNDING CORP	57,664.96	57,759	0.00	2.224	10/20/2020
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	DRB PRIME STUDENT LOAN TRUST	76,051.84	76,767	0.01	2.32	4/25/2030
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	BM1047976 CDS USD R F 3.00000	1,364,274.99	1,600,000	0.12	3	11/17/2045
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	CAZENOVA CREEK FUNDING LLC	325,463.24	325,871	0.03	2	12/10/2023
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	BM1047976 CDS USD P V 01MEVENT	(1,600,000.00)	(1,600,000)	0.14	1	11/17/2045
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	SIERRA RECEIVABLES FUNDING CO	559,863.71	564,737	0.05	2.43	6/20/2032
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	TSY INFL IX N/B	5,759,223.26	4,536,393	0.49	2.125	2/15/2041
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	COLLEGE LOAN CORPORATON TRUST	533,347.10	584,895	0.05	2.21019	1/15/2037
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	LOUISIANA ST PUBLIC FACS AUTH	139,153.64	138,769	0.01	2.6452	4/26/2027
MML INFLATION-PROTECTED & INCOME FUND	EQUITY	FORWARDS GOLDMAN SACHS COC	168,000.00	168,000	0.01	0	
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	TSY INFL IX N/B	6,675,148.29	6,595,080	0.57	0.625	7/15/2021
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	TSY INFL IX N/B	7,479,110.79	7,680,072	0.64	0.75	2/15/2042
MML INFLATION-PROTECTED & INCOME FUND	EQUITY	FORWARDS GOLDMAN SACHS BOC	(568,680.00)	(568,680)	0.05	0	
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	TSY INFL IX N/B	24,865,825.09	25,117,016	2.12	0.125	7/15/2022
MML INFLATION-PROTECTED & INCOME FUND	EQUITY	FORWARDS BNP PARIBAS COC	1,060,578.00	1,060,578	0.09	0	
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	SVO VOI MORTGAGE CORP	525,701.42	535,039	0.04	2	9/20/2029
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	TSY INFL IX N/B	23,819,496.97	24,222,820	2.03	0.125	1/15/2023
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	TSY INFL IX N/B	5,485,384.69	5,818,662	0.47	0.625	2/15/2043
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	CPS AUTO TRUST	124,238.21	124,240	0.01	1.82	9/15/2020
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	LCM LTD PARTNERSHIP	1,054,370.35	1,054,205	0.09	2.87152	7/15/2025
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	TSY INFL IX N/B	8,170,454.69	8,196,958	0.69	0.375	7/15/2023
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	ACADEMIC LOAN FUNDING TRUST	2,201,595.86	2,207,714	0.19	2.6715	12/26/2044
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	TSY INFL IX N/B	13,351,743.37	13,281,093	1.14	0.625	1/15/2024
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	TSY INFL IX N/B	8,864,963.80	7,972,350	0.75	1.375	2/15/2044
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	NELNET STUDENT LOAN TRUST	348,628.39	375,000	0.03	3.1207	6/25/2041
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	321 HENDERSON RECEIVABLES LLC	654,491.26	667,522	0.06	1.9766	3/15/2041
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	SANTANDER DRIVE AUTO RECEIVABL	458,746.33	458,767	0.04	2.33	11/15/2019
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	TAL ADVANTAGE LLC	27,377.77	27,375	0.00	1.7	5/20/2039
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	HILTON GRAND VACATIONS TRUST	132,828.52	135,886	0.01	1.77	11/25/2026
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	SIERRA RECEIVABLES FUNDING CO	236,245.62	237,629	0.02	2.05	6/20/2031
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	TSY INFL IX N/B	18,164,592.09	18,592,319	1.55	0.125	7/15/2024
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	418,654.30	438,581	0.04	1.9452	1/25/2070
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	SLC STUDENT LOAN TRUST	2,112,427.88	2,260,796	0.18	2.4045	3/15/2040
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	1,108,434.29	1,150,000	0.09	1.8952	3/25/2044
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	TSY INFL IX N/B	7,318,570.72	6,387,992	0.62	2.375	1/15/2027
MML INFLATION-PROTECTED & INCOME FUND	FIXED INCOME	NELNET STUDENT LOAN TRUST	1,021,117.41	1,096,277	0.09	2.41814	3/23/2037

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML GROWTH & INCOME FUND	EQUITY	US BANCORP	1,508,283.50	29,867	1.08	0	
MML GROWTH & INCOME FUND	EQUITY	COMCAST CORP CLASS A	2,748,395.61	80,433	1.97	0	
MML GROWTH & INCOME FUND	EQUITY	CROWN HOLDINGS INC	2,059,790.25	40,587	1.48	0	
MML GROWTH & INCOME FUND	EQUITY	BIOGEN INC	1,532,296.72	5,596	1.10	0	
MML GROWTH & INCOME FUND	EQUITY	FIDELITY NATIONAL INFO SERV	2,905,467.30	30,171	2.08	0	
MML GROWTH & INCOME FUND	EQUITY	MASTERCARD INC A	2,649,295.00	15,125	1.90	0	
MML GROWTH & INCOME FUND	EQUITY	ROSS STORES INC	1,569,269.52	20,124	1.13	0	
MML GROWTH & INCOME FUND	EQUITY	SCHLUMBERGER LTD	2,540,153.36	39,212	1.82	0	
MML GROWTH & INCOME FUND	EQUITY	PPG INDUSTRIES INC	1,396,004.40	12,509	1.00	0	
MML GROWTH & INCOME FUND	EQUITY	ADOBE SYSTEMS INC	1,651,499.44	7,643	1.18	0	
MML GROWTH & INCOME FUND	EQUITY	AMDOCS LTD	1,257,805.44	18,852	0.90	0	
MML GROWTH & INCOME FUND	EQUITY	DANAHER CORP	3,110,502.79	31,769	2.23	0	
MML GROWTH & INCOME FUND	EQUITY	ENTERPRISE PRODUCTS PARTNERS	1,894,703.04	77,398	1.36	0	
MML GROWTH & INCOME FUND	EQUITY	STRYKER CORP	882,324.36	5,483	0.63	0	
MML GROWTH & INCOME FUND	EQUITY	ESTEE LAUDER COMPANIES CL A	1,087,566.08	7,264	0.78	0	
MML GROWTH & INCOME FUND	EQUITY	CANADIAN NATL RAILWAY CO	2,402,027.98	32,846	1.72	0	
MML GROWTH & INCOME FUND	EQUITY	MCKESSON CORP	1,374,327.72	9,756	0.99	0	
MML GROWTH & INCOME FUND	EQUITY	EOG RESOURCES INC	2,556,692.49	24,287	1.83	0	
MML GROWTH & INCOME FUND	EQUITY	AMERICAN ELECTRIC POWER	724,310.40	10,560	0.52	0	
MML GROWTH & INCOME FUND	EQUITY	THERMO FISHER SCIENTIFIC INC	3,540,376.08	17,148	2.54	0	
MML GROWTH & INCOME FUND	EQUITY	TRACTOR SUPPLY COMPANY	1,248,048.08	19,804	0.90	0	
MML GROWTH & INCOME FUND	EQUITY	AMETEK INC	1,468,955.92	19,336	1.05	0	
MML GROWTH & INCOME FUND	EQUITY	COGNIZANT TECH SOLUTIONS A	3,667,419.00	45,558	2.63	0	
MML GROWTH & INCOME FUND	EQUITY	DIAGEO PLC	1,158,308.44	34,239	0.83	0	
MML GROWTH & INCOME FUND	EQUITY	PERNOD RICARD SA	1,861,414.16	11,174	1.34	0	
MML GROWTH & INCOME FUND	EQUITY	HONEYWELL INTERNATIONAL INC	2,471,554.53	17,103	1.77	0	
MML GROWTH & INCOME FUND	EQUITY	APPLE INC	1,641,895.08	9,786	1.18	0	
MML GROWTH & INCOME FUND	EQUITY	CISCO SYSTEMS INC	1,178,917.43	27,487	0.85	0	
MML GROWTH & INCOME FUND	EQUITY	WALT DISNEY CO/THE	845,001.72	8,413	0.61	0	
MML GROWTH & INCOME FUND	EQUITY	MORGAN STANLEY	2,022,204.96	37,476	1.45	0	
MML GROWTH & INCOME FUND	EQUITY	KIMBERLY CLARK CORP	616,507.74	5,598	0.44	0	
MML GROWTH & INCOME FUND	EQUITY	BANK OF AMERICA CORP	4,518,863.21	150,679	3.24	0	
MML GROWTH & INCOME FUND	CASH	US DOLLAR	41,554.94	41,555	0.03	0	
MML GROWTH & INCOME FUND	EQUITY	ABBOTT LABORATORIES	1,250,110.96	20,863	0.90	0	
MML GROWTH & INCOME FUND	EQUITY	TEXAS INSTRUMENTS INC	2,373,886.50	22,850	1.70	0	
MML GROWTH & INCOME FUND	EQUITY	COSTCO WHOLESALE CORP	1,451,853.15	7,705	1.04	0	
MML GROWTH & INCOME FUND	EQUITY	JOHNSON + JOHNSON	3,464,278.95	27,033	2.48	0	
MML GROWTH & INCOME FUND	EQUITY	ELI LILLY + CO	1,825,235.67	23,591	1.31	0	
MML GROWTH & INCOME FUND	EQUITY	UNITED TECHNOLOGIES CORP	1,832,945.76	14,568	1.31	0	
MML GROWTH & INCOME FUND	EQUITY	NIKE INC CL B	1,684,254.00	25,350	1.21	0	
MML GROWTH & INCOME FUND	EQUITY	SHERWIN WILLIAMS CO/THE	1,924,917.08	4,909	1.38	0	
MML GROWTH & INCOME FUND	EQUITY	NEWELL BRANDS INC	1,707,261.92	67,004	1.22	0	
MML GROWTH & INCOME FUND	EQUITY	COLGATE PALMOLIVE CO	1,638,748.16	22,862	1.18	0	
MML GROWTH & INCOME FUND	EQUITY	GOLDMAN SACHS GROUP INC	2,984,037.28	11,848	2.14	0	
MML GROWTH & INCOME FUND	EQUITY	BLACKROCK INC	723,196.20	1,335	0.52	0	
MML GROWTH & INCOME FUND	EQUITY	STARBUCKS CORP	2,111,132.52	36,468	1.51	0	
MML GROWTH & INCOME FUND	EQUITY	LVMH MOET HENNESSY LOUIS VUI	1,802,225.03	5,844	1.29	0	
MML GROWTH & INCOME FUND	EQUITY	NASDAQ INC	2,004,701.22	23,251	1.44	0	
MML GROWTH & INCOME FUND	EQUITY	FLUOR CORP	885,994.48	15,484	0.64	0	
MML GROWTH & INCOME FUND	EQUITY	JPMORGAN CHASE + CO	5,658,946.23	51,459	4.06	0	
MML GROWTH & INCOME FUND	EQUITY	DANONE	1,943,462.73	23,995	1.39	0	
MML GROWTH & INCOME FUND	EQUITY	BLACKSTONE GROUP LP/THE	1,125,119.25	35,215	0.81	0	

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML GROWTH & INCOME FUND	EQUITY	DOLLAR TREE INC	882,095.50	9,295	0.63		0
MML GROWTH & INCOME FUND	EQUITY	VISA INC CLASS A SHARES	4,005,475.70	33,485	2.87		0
MML GROWTH & INCOME FUND	EQUITY	ACCENTURE PLC CL A	2,892,247.00	18,842	2.07		0
MML GROWTH & INCOME FUND	EQUITY	AMERICAN TOWER CORP	3,713,582.34	25,551	2.66		0
MML GROWTH & INCOME FUND	EQUITY	FACEBOOK INC A	1,903,578.27	11,913	1.37		0
MML GROWTH & INCOME FUND	EQUITY	MONDELEZ INTERNATIONAL INC A	2,195,498.76	52,612	1.57		0
MML GROWTH & INCOME FUND	EQUITY	ZOETIS INC	1,492,657.74	17,874	1.07		0
MML GROWTH & INCOME FUND	EQUITY	COTY INC CL A	1,022,439.30	55,871	0.73		0
MML GROWTH & INCOME FUND	EQUITY	ARAMARK	1,026,305.08	25,943	0.74		0
MML GROWTH & INCOME FUND	EQUITY	MEDTRONIC PLC	2,862,249.60	35,680	2.05		0
MML GROWTH & INCOME FUND	EQUITY	ALPHABET INC CL C	2,704,321.59	2,621	1.94		0
MML GROWTH & INCOME FUND	EQUITY	ALPHABET INC CL A	4,212,862.68	4,062	3.02		0
MML GROWTH & INCOME FUND	EQUITY	HEWLETT PACKARD ENTERPRISE	1,489,146.00	84,900	1.07		0
MML GROWTH & INCOME FUND	EQUITY	CHUBB LTD	1,567,931.28	11,464	1.12		0
MML GROWTH & INCOME FUND	EQUITY	BROADCOM LTD	2,282,505.90	9,686	1.64		0
MML GROWTH & INCOME FUND	EQUITY	FORTIVE CORP	896,131.20	11,560	0.64		0
MML GROWTH & INCOME FUND	EQUITY	DXC TECHNOLOGY CO	2,275,194.96	22,632	1.63		0
MML GROWTH & INCOME FUND	CASH EQUIVALENT	FIXED INC CLEARING CORP.REPO	1,480,320.13	1,480,320	1.06	0.74	4/2/2018
MML SMALL COMPANY VALUE FUND	EQUITY	ENERGIZER HOLDINGS INC	643,464.00	10,800	0.61		0
MML SMALL COMPANY VALUE FUND	EQUITY	LIVE OAK BANCSHARES INC	377,218.20	13,569	0.36		0
MML SMALL COMPANY VALUE FUND	EQUITY	LUMENTUM HOLDINGS INC	146,740.00	2,300	0.14		0
MML SMALL COMPANY VALUE FUND	EQUITY	HOULIHAN LOKEY INC	478,379.60	10,726	0.46		0
MML SMALL COMPANY VALUE FUND	EQUITY	ATLANTIC CAPITAL BANCSHARES	318,958.20	17,622	0.30		0
MML SMALL COMPANY VALUE FUND	EQUITY	CSRA INC	647,311.00	15,700	0.62		0
MML SMALL COMPANY VALUE FUND	EQUITY	KINSALE CAPITAL GROUP INC	414,181.77	8,069	0.39		0
MML SMALL COMPANY VALUE FUND	EQUITY	HOPE BANCORP INC	620,279.00	34,100	0.59		0
MML SMALL COMPANY VALUE FUND	EQUITY	FIRST HAWAIIAN INC	357,392.86	12,842	0.34		0
MML SMALL COMPANY VALUE FUND	EQUITY	FB FINANCIAL CORP	426,195.00	10,500	0.41		0
MML SMALL COMPANY VALUE FUND	EQUITY	CENTENNIAL RESOURCE DEVELO A	767,030.00	41,800	0.73		0
MML SMALL COMPANY VALUE FUND	EQUITY	ILG INC	637,755.00	20,500	0.61		0
MML SMALL COMPANY VALUE FUND	EQUITY	CONDUENT INC	553,608.00	29,700	0.53		0
MML SMALL COMPANY VALUE FUND	EQUITY	INTERNATIONAL SEAWAYS INC	337,920.00	19,200	0.32		0
MML SMALL COMPANY VALUE FUND	EQUITY	LCI INDUSTRIES	854,030.00	8,200	0.81		0
MML SMALL COMPANY VALUE FUND	EQUITY	KEANE GROUP INC	350,464.00	23,680	0.33		0
MML SMALL COMPANY VALUE FUND	EQUITY	JAGGED PEAK ENERGY INC	359,495.46	25,442	0.34		0
MML SMALL COMPANY VALUE FUND	EQUITY	PCSB FINANCIAL CORP	367,422.74	17,513	0.35		0
MML SMALL COMPANY VALUE FUND	EQUITY	JBG SMITH PROPERTIES	658,255.17	19,527	0.63		0
MML SMALL COMPANY VALUE FUND	EQUITY	SIMPLY GOOD FOODS CO/THE	17,031.00	4,866	0.02		0
MML SMALL COMPANY VALUE FUND	EQUITY	SIMPLY GOOD FOODS CO/THE	319,304.88	23,256	0.30		0
MML SMALL COMPANY VALUE FUND	EQUITY	ANDEAVOR	625,583.76	6,221	0.60		0
MML SMALL COMPANY VALUE FUND	EQUITY	PDL COMMUNITY BANCORP	269,325.60	18,384	0.26		0
MML SMALL COMPANY VALUE FUND	EQUITY	STERLING BANCORP INC/MI	261,040.22	19,322	0.25		0
MML SMALL COMPANY VALUE FUND	CASH EQUIVALENT	FIXED INC CLEARING CORP.REPO	1,210,959.73	1,210,960	1.15	0.74	4/2/2018
MML SMALL COMPANY VALUE FUND	EQUITY	PREMIER COMMERCIAL BANCORP	54,117.75	3,669	0.05		0
MML SMALL COMPANY VALUE FUND	EQUITY	LYDALL INC	337,750.00	7,000	0.32		0
MML SMALL COMPANY VALUE FUND	EQUITY	MESA LABORATORIES INC	296,880.00	2,000	0.28		0
MML SMALL COMPANY VALUE FUND	EQUITY	LITTELFUSE INC	1,852,802.00	8,900	1.77		0
MML SMALL COMPANY VALUE FUND	EQUITY	MYERS INDUSTRIES INC	876,667.50	41,450	0.84		0
MML SMALL COMPANY VALUE FUND	EQUITY	NAVIGANT CONSULTING INC	557,960.00	29,000	0.53		0
MML SMALL COMPANY VALUE FUND	EQUITY	MINERALS TECHNOLOGIES INC	622,635.00	9,300	0.59		0
MML SMALL COMPANY VALUE FUND	EQUITY	MGE ENERGY INC	145,860.00	2,600	0.14		0
MML SMALL COMPANY VALUE FUND	EQUITY	MOLINA HEALTHCARE INC	487,080.00	6,000	0.46		0

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

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	LUMBER LIQUIDATORS HOLDINGS	601,731.52	25,156	0.57		0
MML SMALL COMPANY VALUE FUND	EQUITY	MAXLINEAR INC	291,200.00	12,800	0.28		0
MML SMALL COMPANY VALUE FUND	EQUITY	MATADOR RESOURCES CO	1,007,967.00	33,700	0.96		0
MML SMALL COMPANY VALUE FUND	EQUITY	NATIONAL BANK HOLD CL A	874,475.00	26,300	0.83		0
MML SMALL COMPANY VALUE FUND	EQUITY	MSA SAFETY INC	466,144.00	5,600	0.44		0
MML SMALL COMPANY VALUE FUND	EQUITY	AEGION CORP	751,448.00	32,800	0.72		0
MML SMALL COMPANY VALUE FUND	EQUITY	WPX ENERGY INC	870,542.00	58,900	0.83		0
MML SMALL COMPANY VALUE FUND	EQUITY	POST HOLDINGS INC	590,928.00	7,800	0.56		0
MML SMALL COMPANY VALUE FUND	EQUITY	ASSURED GUARANTY LTD	513,388.40	14,182	0.49		0
MML SMALL COMPANY VALUE FUND	EQUITY	PINNACLE FINANCIAL PARTNERS	481,500.00	7,500	0.46		0
MML SMALL COMPANY VALUE FUND	EQUITY	WELLCARE HEALTH PLANS INC	716,431.00	3,700	0.68		0
MML SMALL COMPANY VALUE FUND	EQUITY	BELDEN INC	1,251,950.40	18,160	1.19		0
MML SMALL COMPANY VALUE FUND	EQUITY	AMERICAN CAMPUS COMMUNITIES	366,890.00	9,500	0.35		0
MML SMALL COMPANY VALUE FUND	EQUITY	BEACON ROOFING SUPPLY INC	843,813.00	15,900	0.80		0
MML SMALL COMPANY VALUE FUND	EQUITY	SUNSTONE HOTEL INVESTORS INC	398,764.00	26,200	0.38		0
MML SMALL COMPANY VALUE FUND	EQUITY	NORTHWESTERN CORP	742,440.00	13,800	0.71		0
MML SMALL COMPANY VALUE FUND	EQUITY	RGC RESOURCES INC	82,702.40	3,256	0.08		0
MML SMALL COMPANY VALUE FUND	EQUITY	RUDOLPH TECHNOLOGIES INC	329,630.00	11,900	0.31		0
MML SMALL COMPANY VALUE FUND	EQUITY	WINTRUST FINANCIAL CORP	955,155.00	11,100	0.91		0
MML SMALL COMPANY VALUE FUND	EQUITY	SCHOLASTIC CORP	318,488.00	8,200	0.30		0
MML SMALL COMPANY VALUE FUND	EQUITY	CABOT MICROELECTRONICS CORP	631,949.00	5,900	0.60		0
MML SMALL COMPANY VALUE FUND	EQUITY	AMERICAN VANGUARD CORP	395,920.00	19,600	0.38		0
MML SMALL COMPANY VALUE FUND	EQUITY	CALIFORNIA WATER SERVICE GRP	458,175.00	12,300	0.44		0
MML SMALL COMPANY VALUE FUND	EQUITY	UNIVERSAL LOGISTICS HOLDINGS	391,275.00	18,500	0.37		0
MML SMALL COMPANY VALUE FUND	EQUITY	SVB FINANCIAL GROUP	1,284,053.50	5,350	1.22		0
MML SMALL COMPANY VALUE FUND	EQUITY	RBC BEARINGS INC	695,520.00	5,600	0.66		0
MML SMALL COMPANY VALUE FUND	EQUITY	POTLATCHDELTIC CORP	832,800.00	16,000	0.79		0
MML SMALL COMPANY VALUE FUND	EQUITY	CROCS INC	344,500.00	21,200	0.33		0
MML SMALL COMPANY VALUE FUND	EQUITY	PORTLAND GENERAL ELECTRIC CO	494,222.00	12,200	0.47		0
MML SMALL COMPANY VALUE FUND	EQUITY	POOL CORP	979,674.00	6,700	0.93		0
MML SMALL COMPANY VALUE FUND	EQUITY	DORMAN PRODUCTS INC	715,068.00	10,800	0.68		0
MML SMALL COMPANY VALUE FUND	EQUITY	HOME BANCSHARES INC	1,798,568.50	78,850	1.71		0
MML SMALL COMPANY VALUE FUND	EQUITY	DOUGLAS EMMETT INC	496,260.00	13,500	0.47		0
MML SMALL COMPANY VALUE FUND	EQUITY	CAPELLA EDUCATION CO	895,337.50	10,250	0.85		0
MML SMALL COMPANY VALUE FUND	EQUITY	NEW GOLD INC	174,408.00	67,600	0.17		0
MML SMALL COMPANY VALUE FUND	EQUITY	TOWNE BANK	943,800.00	33,000	0.90		0
MML SMALL COMPANY VALUE FUND	EQUITY	EMPLOYERS HOLDINGS INC	501,580.00	12,400	0.48		0
MML SMALL COMPANY VALUE FUND	EQUITY	AMERICAN PUBLIC EDUCATION	705,200.00	16,400	0.67		0
MML SMALL COMPANY VALUE FUND	EQUITY	ENSIGN GROUP INC/THE	544,410.00	20,700	0.52		0
MML SMALL COMPANY VALUE FUND	EQUITY	HILLENBRAND INC	469,557.00	10,230	0.45		0
MML SMALL COMPANY VALUE FUND	EQUITY	CLEARWATER PAPER CORP	774,180.00	19,800	0.74		0
MML SMALL COMPANY VALUE FUND	EQUITY	VIRTUS INVESTMENT PARTNERS	383,780.00	3,100	0.37		0
MML SMALL COMPANY VALUE FUND	EQUITY	SAFEGUARD SCIENTIFICS INC	235,200.00	19,200	0.22		0
MML SMALL COMPANY VALUE FUND	EQUITY	SELECT MEDICAL HOLDINGS CORP	481,275.00	27,900	0.46		0
MML SMALL COMPANY VALUE FUND	EQUITY	RETAIL OPPORTUNITY INVESTMEN	295,089.00	16,700	0.28		0
MML SMALL COMPANY VALUE FUND	EQUITY	TERRENO REALTY CORP	824,789.00	23,900	0.79		0
MML SMALL COMPANY VALUE FUND	EQUITY	EXPRESS INC	245,588.00	34,300	0.23		0
MML SMALL COMPANY VALUE FUND	EQUITY	CBOE GLOBAL MARKETS INC	892,376.10	7,821	0.85		0
MML SMALL COMPANY VALUE FUND	EQUITY	GREEN DOT CORP CLASS A	1,365,324.80	21,280	1.30		0
MML SMALL COMPANY VALUE FUND	EQUITY	BANKUNITED INC	1,351,324.00	33,800	1.29		0
MML SMALL COMPANY VALUE FUND	EQUITY	THERMON GROUP HOLDINGS INC	356,319.00	15,900	0.34		0
MML SMALL COMPANY VALUE FUND	EQUITY	POPULAR INC	973,908.00	23,400	0.93		0

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

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	PINNACLE FOODS INC	454,440.00	8,400	0.43		0
MML SMALL COMPANY VALUE FUND	EQUITY	CONSTELLUM NV CLASS A	380,835.00	35,100	0.36		0
MML SMALL COMPANY VALUE FUND	EQUITY	FRANK S INTERNATIONAL NV	358,923.00	66,100	0.34		0
MML SMALL COMPANY VALUE FUND	EQUITY	GTT COMMUNICATIONS INC	430,920.00	7,600	0.41		0
MML SMALL COMPANY VALUE FUND	EQUITY	ONE GAS INC	1,049,718.00	15,900	1.00		0
MML SMALL COMPANY VALUE FUND	EQUITY	KNOWLES CORP	577,881.00	45,900	0.55		0
MML SMALL COMPANY VALUE FUND	EQUITY	Q2 HOLDINGS INC	318,850.00	7,000	0.30		0
MML SMALL COMPANY VALUE FUND	EQUITY	UNITED FINANCIAL BANCORP INC	659,340.00	40,700	0.63		0
MML SMALL COMPANY VALUE FUND	EQUITY	ZENDESK INC	292,007.00	6,100	0.28		0
MML SMALL COMPANY VALUE FUND	EQUITY	SYNOVUS FINANCIAL CORP	409,508.00	8,200	0.39		0
MML SMALL COMPANY VALUE FUND	EQUITY	SPARTANNASH CO	283,965.00	16,500	0.27		0
MML SMALL COMPANY VALUE FUND	EQUITY	SOUTH STATE CORP	312,880.40	3,668	0.30		0
MML SMALL COMPANY VALUE FUND	EQUITY	MERIDIAN BANCORP INC	487,630.00	24,200	0.46		0
MML SMALL COMPANY VALUE FUND	EQUITY	HOWARD BANCORP INC	276,051.60	13,942	0.26		0
MML SMALL COMPANY VALUE FUND	EQUITY	HALYARD HEALTH INC	953,856.00	20,700	0.91		0
MML SMALL COMPANY VALUE FUND	EQUITY	BENEFICIAL BANCORP INC	665,897.65	42,823	0.63		0
MML SMALL COMPANY VALUE FUND	EQUITY	BLUE BIRD CORP	388,680.00	16,400	0.37		0
MML SMALL COMPANY VALUE FUND	EQUITY	PARTY CITY HOLDCO INC	456,378.00	29,255	0.44		0
MML SMALL COMPANY VALUE FUND	EQUITY	NOMAD FOODS LTD	1,101,800.00	70,000	1.05		0
MML SMALL COMPANY VALUE FUND	EQUITY	CABLE ONE INC	673,367.80	980	0.64		0
MML SMALL COMPANY VALUE FUND	EQUITY	RED ROBIN GOURMET BURGERS	377,000.00	6,500	0.36		0
MML SMALL COMPANY VALUE FUND	EQUITY	SAFETY INSURANCE GROUP INC	414,990.00	5,400	0.40		0
MML SMALL COMPANY VALUE FUND	EQUITY	HERITAGE FINANCIAL CORP	468,180.00	15,300	0.45		0
MML SMALL COMPANY VALUE FUND	EQUITY	MCGRATH RENTCORP	671,071.31	12,499	0.64		0
MML SMALL COMPANY VALUE FUND	EQUITY	WEST PHARMACEUTICAL SERVICES	988,848.00	11,200	0.94		0
MML SMALL COMPANY VALUE FUND	EQUITY	BRADY CORPORATION CL A	397,505.00	10,700	0.38		0
MML SMALL COMPANY VALUE FUND	EQUITY	COBIZ FINANCIAL INC	799,680.00	40,800	0.76		0
MML SMALL COMPANY VALUE FUND	EQUITY	GLACIER BANCORP INC	990,204.00	25,800	0.94		0
MML SMALL COMPANY VALUE FUND	EQUITY	MATTHEWS INTL CORP CLASS A	399,740.00	7,900	0.38		0
MML SMALL COMPANY VALUE FUND	EQUITY	METHODE ELECTRONICS INC	516,120.00	13,200	0.49		0
MML SMALL COMPANY VALUE FUND	EQUITY	SAUL CENTERS INC	545,379.00	10,700	0.52		0
MML SMALL COMPANY VALUE FUND	EQUITY	CARPENTER TECHNOLOGY	754,452.00	17,100	0.72		0
MML SMALL COMPANY VALUE FUND	EQUITY	RADIAN GROUP INC	915,824.00	48,100	0.87		0
MML SMALL COMPANY VALUE FUND	EQUITY	SCANA CORP	52,570.00	1,400	0.05		0
MML SMALL COMPANY VALUE FUND	EQUITY	ATRION CORPORATION	1,231,666.30	1,951	1.17		0
MML SMALL COMPANY VALUE FUND	EQUITY	BADGER METER INC	339,480.00	7,200	0.32		0
MML SMALL COMPANY VALUE FUND	EQUITY	CSS INDUSTRIES INC	251,877.50	14,393	0.24		0
MML SMALL COMPANY VALUE FUND	EQUITY	CHESAPEAKE UTILITIES CORP	956,760.00	13,600	0.91		0
MML SMALL COMPANY VALUE FUND	EQUITY	CIRCOR INTERNATIONAL INC	443,664.00	10,400	0.42		0
MML SMALL COMPANY VALUE FUND	EQUITY	KMG CHEMICALS INC	1,000,205.80	16,684	0.95		0
MML SMALL COMPANY VALUE FUND	CASH EQUIVALENT	ROWE T PRICE GOV RES FD	1,020.71	1,021	0.00	0.01	9/19/2034
MML SMALL COMPANY VALUE FUND	EQUITY	ACADIA REALTY TRUST	432,960.00	17,600	0.41		0
MML SMALL COMPANY VALUE FUND	EQUITY	PROSPERITY BANCSHARES INC	1,176,606.00	16,200	1.12		0
MML SMALL COMPANY VALUE FUND	EQUITY	COLUMBIA BANKING SYSTEM INC	1,157,820.00	27,600	1.10		0
MML SMALL COMPANY VALUE FUND	EQUITY	CUBIC CORP	457,920.00	7,200	0.44		0
MML SMALL COMPANY VALUE FUND	EQUITY	CULP INC	430,755.00	14,100	0.41		0
MML SMALL COMPANY VALUE FUND	EQUITY	ESCO TECHNOLOGIES INC	960,220.00	16,400	0.92		0
MML SMALL COMPANY VALUE FUND	EQUITY	EL PASO ELECTRIC CO	525,300.00	10,300	0.50		0
MML SMALL COMPANY VALUE FUND	EQUITY	FTI CONSULTING INC	609,966.00	12,600	0.58		0
MML SMALL COMPANY VALUE FUND	EQUITY	GENESEE + WYOMING INC CL A	711,439.50	10,050	0.68		0
MML SMALL COMPANY VALUE FUND	EQUITY	OCEANEERING INTL INC	337,428.00	18,200	0.32		0
MML SMALL COMPANY VALUE FUND	EQUITY	PRICESMART INC	576,495.00	6,900	0.55		0

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

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	QUIDEL CORP	1,196,811.00	23,100	1.14		0
MML SMALL COMPANY VALUE FUND	EQUITY	RELIANCE STEEL + ALUMINUM	454,422.00	5,300	0.43		0
MML SMALL COMPANY VALUE FUND	EQUITY	STATE AUTO FINANCIAL CORP	442,835.00	15,500	0.42		0
MML SMALL COMPANY VALUE FUND	EQUITY	STIFEL FINANCIAL CORP	402,764.00	6,800	0.38		0
MML SMALL COMPANY VALUE FUND	EQUITY	TETRA TECHNOLOGIES INC	376,500.00	100,400	0.36		0
MML SMALL COMPANY VALUE FUND	EQUITY	TRIUMPH GROUP INC	858,060.00	34,050	0.82		0
MML SMALL COMPANY VALUE FUND	EQUITY	UNIVERSAL FOREST PRODUCTS	623,040.00	19,200	0.59		0
MML SMALL COMPANY VALUE FUND	EQUITY	WSFS FINANCIAL CORP	651,440.00	13,600	0.62		0
MML SMALL COMPANY VALUE FUND	EQUITY	AARON S INC	1,160,340.00	24,900	1.11		0
MML SMALL COMPANY VALUE FUND	EQUITY	ATMOS ENERGY CORP	606,528.00	7,200	0.58		0
MML SMALL COMPANY VALUE FUND	EQUITY	VECTOR GROUP LTD	272,553.13	13,367	0.26		0
MML SMALL COMPANY VALUE FUND	EQUITY	EAST WEST BANCORP INC	1,546,364.04	24,726	1.47		0
MML SMALL COMPANY VALUE FUND	EQUITY	HAEMONETICS CORP/MASS	643,808.00	8,800	0.61		0
MML SMALL COMPANY VALUE FUND	EQUITY	KIRBY CORP	457,852.50	5,950	0.44		0
MML SMALL COMPANY VALUE FUND	EQUITY	LANDSTAR SYSTEM INC	1,677,645.00	15,300	1.60		0
MML SMALL COMPANY VALUE FUND	EQUITY	STEVEN MADDEN LTD	706,790.00	16,100	0.67		0
MML SMALL COMPANY VALUE FUND	EQUITY	SUN HYDRAULICS CORP	623,920.44	11,649	0.59		0
MML SMALL COMPANY VALUE FUND	EQUITY	EASTGROUP PROPERTIES INC	859,664.00	10,400	0.82		0
MML SMALL COMPANY VALUE FUND	EQUITY	HARMONIC INC	500,494.20	131,709	0.48		0
MML SMALL COMPANY VALUE FUND	EQUITY	HEALTHCARE REALTY TRUST INC	473,841.00	17,100	0.45		0
MML SMALL COMPANY VALUE FUND	EQUITY	KILROY REALTY CORP	588,968.00	8,300	0.56		0
MML SMALL COMPANY VALUE FUND	EQUITY	PS BUSINESS PARKS INC/CA	644,328.00	5,700	0.61		0
MML SMALL COMPANY VALUE FUND	EQUITY	WASHINGTON REIT	368,550.00	13,500	0.35		0
MML SMALL COMPANY VALUE FUND	EQUITY	WEBSTER FINANCIAL CORP	857,315.00	15,475	0.82		0
MML SMALL COMPANY VALUE FUND	CASH	US DOLLAR	27,234.33	27,234	0.03		0
MML SMALL COMPANY VALUE FUND	EQUITY	PROASSURANCE CORP	839,915.00	17,300	0.80		0
MML SMALL COMPANY VALUE FUND	EQUITY	PNM RESOURCES INC	1,151,325.00	30,100	1.10		0
MML SMALL COMPANY VALUE FUND	EQUITY	CAVCO INDUSTRIES INC	920,875.00	5,300	0.88		0
MML SMALL COMPANY VALUE FUND	EQUITY	TEXAS CAPITAL BANCSHARES INC	881,020.00	9,800	0.84		0
MML SMALL COMPANY VALUE FUND	EQUITY	CEDAR REALTY TRUST INC	583,908.00	148,200	0.56		0
MML SMALL COMPANY VALUE FUND	EQUITY	CALLIDUS SOFTWARE INC	618,340.00	17,200	0.59		0
MML SMALL COMPANY VALUE FUND	EQUITY	SYNNEX CORP	805,120.00	6,800	0.77		0
MML INTERNATIONAL EQUITY FUND	EQUITY	SMITHS GROUP PLC	1,516,236.42	71,300	0.85		0
MML INTERNATIONAL EQUITY FUND	EQUITY	PUBLICIS GROUPE	4,019,593.82	57,691	2.26		0
MML INTERNATIONAL EQUITY FUND	EQUITY	CENOVUS ENERGY INC	257,997.44	30,300	0.15		0
MML INTERNATIONAL EQUITY FUND	EQUITY	GLENCORE PLC	6,159,547.59	1,237,900	3.47		0
MML INTERNATIONAL EQUITY FUND	EQUITY	ROYAL BANK OF SCOTLAND GROUP	3,668,663.50	1,008,100	2.07		0
MML INTERNATIONAL EQUITY FUND	EQUITY	ASML HOLDING NV	1,391,853.02	7,035	0.78		0
MML INTERNATIONAL EQUITY FUND	EQUITY	WPP PLC	3,714,428.57	233,700	2.09		0
MML INTERNATIONAL EQUITY FUND	EQUITY	LIBERTY GLOBAL PLC A	1,249,269.00	39,900	0.70		0
MML INTERNATIONAL EQUITY FUND	EQUITY	LIBERTY GLOBAL PLC C	3,234,709.00	106,300	1.82		0
MML INTERNATIONAL EQUITY FUND	EQUITY	CIE FINANCIERE RICHEMONT REG	3,156,636.05	35,140	1.78		0
MML INTERNATIONAL EQUITY FUND	EQUITY	CNH INDUSTRIAL NV	5,339,730.51	431,600	3.01		0
MML INTERNATIONAL EQUITY FUND	EQUITY	FERGUSON PLC	466,360.39	6,200	0.26		0
MML INTERNATIONAL EQUITY FUND	EQUITY	AXIS BANK LTD	2,592,822.43	329,102	1.46		0
MML INTERNATIONAL EQUITY FUND	EQUITY	RYANAIR HOLDINGS PLC SP ADR	259,827.75	2,115	0.15		0
MML INTERNATIONAL EQUITY FUND	EQUITY	WILLIS TOWERS WATSON PLC	3,411,947.61	22,419	1.92		0
MML INTERNATIONAL EQUITY FUND	EQUITY	VALEO SA	3,631,163.34	54,910	2.04		0
MML INTERNATIONAL EQUITY FUND	EQUITY	EXOR NV	4,386,831.16	61,400	2.47		0
MML INTERNATIONAL EQUITY FUND	CASH EQUIVALENT	FIXED INC CLEARING CORP.REPO	4,259,448.76	4,259,449	2.40	0.74	4/2/2018
MML INTERNATIONAL EQUITY FUND	EQUITY	LAFARGEHOLCIM LTD REG	4,851,553.10	88,580	2.73		0
MML INTERNATIONAL EQUITY FUND	EQUITY	NESTLE SA REG	433,040.15	5,470	0.24		0

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML INTERNATIONAL EQUITY FUND	EQUITY	SWATCH GROUP AG/THE BR	1,742,837.78	3,950	0.98	0	
MML INTERNATIONAL EQUITY FUND	EQUITY	CREDIT SUISSE GROUP AG REG	6,730,622.40	401,123	3.79	0	
MML INTERNATIONAL EQUITY FUND	EQUITY	BNP PARIBAS	8,402,160.61	113,320	4.73	0	
MML INTERNATIONAL EQUITY FUND	EQUITY	BANK MANDIRI PERSERO TBK PT	1,742,092.46	3,114,700	0.98	0	
MML INTERNATIONAL EQUITY FUND	EQUITY	AMP LTD	2,415,146.16	626,934	1.36	0	
MML INTERNATIONAL EQUITY FUND	EQUITY	G4S LTD	1,370,856.62	393,200	0.77	0	
MML INTERNATIONAL EQUITY FUND	EQUITY	SAFRAN SA	2,487,140.72	23,470	1.40	0	
MML INTERNATIONAL EQUITY FUND	EQUITY	BAIDU INC SPON ADR	1,870,332.20	8,380	1.05	0	
MML INTERNATIONAL EQUITY FUND	EQUITY	KUEHNE NAGEL INTL AG REG	1,501,384.12	9,535	0.85	0	
MML INTERNATIONAL EQUITY FUND	EQUITY	EXPERIAN PLC	2,348,133.08	108,700	1.32	0	
MML INTERNATIONAL EQUITY FUND	EQUITY	VOLVO AB B SHS	684,097.27	37,470	0.39	0	
MML INTERNATIONAL EQUITY FUND	EQUITY	SKF AB B SHARES	2,189,767.94	107,100	1.23	0	
MML INTERNATIONAL EQUITY FUND	EQUITY	DANONE	1,943,381.73	23,994	1.09	0	
MML INTERNATIONAL EQUITY FUND	EQUITY	ASHTREAD GROUP PLC	1,966,055.87	72,100	1.11	0	
MML INTERNATIONAL EQUITY FUND	CASH	SOUTH KOREAN WON	0.48	508	0.00	0	
MML INTERNATIONAL EQUITY FUND	CASH	POUND STERLING	5.29	4	0.00	0	
MML INTERNATIONAL EQUITY FUND	CASH	AUSTRALIAN DOLLAR	59.91	78	0.00	0	
MML INTERNATIONAL EQUITY FUND	CASH	SWISS FRANC	71.38	68	0.00	0	
MML INTERNATIONAL EQUITY FUND	EQUITY	DIAGEO PLC	2,209,104.86	65,300	1.24	0	
MML INTERNATIONAL EQUITY FUND	EQUITY	LLOYDS BANKING GROUP PLC	8,091,971.08	8,905,000	4.56	0	
MML INTERNATIONAL EQUITY FUND	EQUITY	INTESA SANPAOLO	6,776,088.28	1,858,100	3.82	0	
MML INTERNATIONAL EQUITY FUND	EQUITY	CONTINENTAL AG	4,296,680.01	15,555	2.42	0	
MML INTERNATIONAL EQUITY FUND	EQUITY	PERNOD RICARD SA	1,190,245.57	7,145	0.67	0	
MML INTERNATIONAL EQUITY FUND	EQUITY	BAYER AG REG	4,296,777.33	38,000	2.42	0	
MML INTERNATIONAL EQUITY FUND	EQUITY	ALLIANZ SE REG	8,056,700.14	35,650	4.54	0	
MML INTERNATIONAL EQUITY FUND	EQUITY	AKZO NOBEL	714,795.53	7,561	0.40	0	
MML INTERNATIONAL EQUITY FUND	EQUITY	DAIMLER AG REGISTERED SHARES	9,406,754.81	110,700	5.30	0	
MML INTERNATIONAL EQUITY FUND	EQUITY	SANOFI	233,030.12	2,900	0.13	0	
MML INTERNATIONAL EQUITY FUND	EQUITY	HENNES + MAURITZ AB B SHS	6,315,320.42	421,000	3.56	0	
MML INTERNATIONAL EQUITY FUND	EQUITY	ORICA LTD	2,467,470.72	180,111	1.39	0	
MML INTERNATIONAL EQUITY FUND	EQUITY	OLYMPUS CORP	2,273,020.20	59,300	1.28	0	
MML INTERNATIONAL EQUITY FUND	EQUITY	TOYOTA MOTOR CORP	5,807,043.19	89,100	3.27	0	
MML INTERNATIONAL EQUITY FUND	EQUITY	NASPERS LTD N SHS	1,581,195.17	6,455	0.89	0	
MML INTERNATIONAL EQUITY FUND	EQUITY	SAMSUNG ELECTRONICS CO LTD	174,776.77	75	0.10	0	
MML INTERNATIONAL EQUITY FUND	EQUITY	TAIWAN SEMICONDUCTOR MANUFAC	382,455.88	45,000	0.22	0	
MML INTERNATIONAL EQUITY FUND	CASH	US DOLLAR	(72,669.83)	(72,670)	0.04	0	
MML INTERNATIONAL EQUITY FUND	EQUITY	MEGGITT PLC	1,053,869.84	173,738	0.59	0	
MML INTERNATIONAL EQUITY FUND	CASH	EURO CURRENCY	54,178.85	44,032	0.03	0	
MML INTERNATIONAL EQUITY FUND	EQUITY	GRUPO TELEVISIA SA SPON ADR	2,251,956.00	141,100	1.27	0	
MML INTERNATIONAL EQUITY FUND	EQUITY	SCHRODERS PLC	3,412,663.77	76,100	1.92	0	
MML INTERNATIONAL EQUITY FUND	EQUITY	BAYERISCHE MOTOREN WERKE AG	8,039,555.22	74,080	4.53	0	
MML INTERNATIONAL EQUITY FUND	EQUITY	KONINKLIJKE PHILIPS NV	1,076,617.11	28,015	0.61	0	
MML INTERNATIONAL EQUITY FUND	EQUITY	BUREAU VERITAS SA	1,945,181.87	74,800	1.10	0	
MML ASSET MOMENTUM FUND	EQUITY	MOHAWK INDUSTRIES INC	417,996.00	1,800	1.42	0	
MML ASSET MOMENTUM FUND	EQUITY	AMAZON.COM INC	1,765,754.80	1,220	6.02	0	
MML ASSET MOMENTUM FUND	EQUITY	SMITH (A.O.) CORP	267,078.00	4,200	0.91	0	
MML ASSET MOMENTUM FUND	EQUITY	ROPER TECHNOLOGIES INC	308,759.00	1,100	1.05	0	
MML ASSET MOMENTUM FUND	EQUITY	CUMMINS INC	243,135.00	1,500	0.83	0	
MML ASSET MOMENTUM FUND	EQUITY	KEYCORP	269,790.00	13,800	0.92	0	
MML ASSET MOMENTUM FUND	EQUITY	LOCKHEED MARTIN CORP	1,824,822.00	5,400	6.22	0	
MML ASSET MOMENTUM FUND	EQUITY	NVR INC	1,680,000.00	600	5.72	0	
MML ASSET MOMENTUM FUND	EQUITY	CSL LTD	336,690.17	2,800	1.15	0	

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML ASSET MOMENTUM FUND	EQUITY	NTT DOCOMO INC	142,573.32	5,600	0.49		0
MML ASSET MOMENTUM FUND	EQUITY	HONEYWELL INTERNATIONAL INC	1,777,473.00	12,300	6.06		0
MML ASSET MOMENTUM FUND	EQUITY	GENERAL ELECTRIC CO	215,680.00	16,000	0.73		0
MML ASSET MOMENTUM FUND	EQUITY	BANK OF AMERICA CORP	281,906.00	9,400	0.96		0
MML ASSET MOMENTUM FUND	CASH	US DOLLAR	1,164,561.69	1,164,562	3.97		0
MML ASSET MOMENTUM FUND	EQUITY	ILLINOIS TOOL WORKS	266,322.00	1,700	0.91		0
MML ASSET MOMENTUM FUND	EQUITY	ADVANCED MEDICAL SOLUTIONS	241,281.28	54,300	0.82		0
MML ASSET MOMENTUM FUND	EQUITY	PORTMEIRION GROUP PLC	81,404.92	5,600	0.28		0
MML ASSET MOMENTUM FUND	EQUITY	ZIONS BANCORPORATION	279,469.00	5,300	0.95		0
MML ASSET MOMENTUM FUND	EQUITY	HALMA PLC	291,513.99	17,600	0.99		0
MML ASSET MOMENTUM FUND	EQUITY	FIELMANN AG	113,321.75	1,400	0.39		0
MML ASSET MOMENTUM FUND	EQUITY	JPMORGAN CHASE + CO	285,922.00	2,600	0.97		0
MML ASSET MOMENTUM FUND	EQUITY	NESTLE SA REG	102,916.31	1,300	0.35		0
MML ASSET MOMENTUM FUND	EQUITY	ISHARES MSCI BRAZIL ETF	1,615,680.00	36,000	5.51		0
MML ASSET MOMENTUM FUND	EQUITY	VANGUARD TOTAL STOCK MARKET ET	882,180.00	6,500	3.01		0
MML ASSET MOMENTUM FUND	EQUITY	REGIONS FINANCIAL CORP	282,416.00	15,200	0.96		0
MML ASSET MOMENTUM FUND	EQUITY	SVB FINANCIAL GROUP	264,011.00	1,100	0.90		0
MML ASSET MOMENTUM FUND	EQUITY	WESTERN ALLIANCE BANCORP	284,739.00	4,900	0.97		0
MML ASSET MOMENTUM FUND	EQUITY	SCHINDLER HOLDING PART CERT	150,984.04	700	0.51		0
MML ASSET MOMENTUM FUND	EQUITY	1+1 DRILLISCH AG	255,967.41	3,800	0.87		0
MML ASSET MOMENTUM FUND	EQUITY	POOL CORP	745,722.00	5,100	2.54		0
MML ASSET MOMENTUM FUND	EQUITY	MASTERCARD INC A	928,348.00	5,300	3.16		0
MML ASSET MOMENTUM FUND	EQUITY	NEXUS AG	106,398.29	3,400	0.36		0
MML ASSET MOMENTUM FUND	EQUITY	ONEX CORPORATION	122,609.54	1,700	0.42		0
MML ASSET MOMENTUM FUND	EQUITY	SAPUTO INC	144,428.92	4,500	0.49		0
MML ASSET MOMENTUM FUND	EQUITY	EMIS GROUP PLC	134,455.19	11,800	0.46		0
MML ASSET MOMENTUM FUND	EQUITY	BREEDON GROUP PLC	98,335.93	88,100	0.34		0
MML ASSET MOMENTUM FUND	EQUITY	ISHARES MSCI INDIA ETF	225,258.00	6,600	0.77		0
MML ASSET MOMENTUM FUND	EQUITY	FACEBOOK INC A	1,853,564.00	11,600	6.32		0
MML ASSET MOMENTUM FUND	EQUITY	SYNOVUS FINANCIAL CORP	289,652.00	5,800	0.99		0
MML ASSET MOMENTUM FUND	FIXED INCOME	US TREASURY N/B	999,257.80	1,000,000	3.41	0.75	4/30/2018
MML ASSET MOMENTUM FUND	FUTURE	S+P500 EMINI FUT JUN18	-	6,150	0.74		6/15/2018
MML ASSET MOMENTUM FUND	FIXED INCOME	US TREASURY N/B	2,975,024.40	3,000,000	10.14	1.75	11/30/2019
MML ASSET MOMENTUM FUND	FUTURE	NASDAQ 100 E-MINI JUN18	-	1,100	0.44		6/15/2018
MML ASSET MOMENTUM FUND	CASH EQUIVALENT	FIXED INC CLEARING CORP.REPO	2,122,649.51	2,122,650	7.23	0.74	4/2/2018
MML ASSET MOMENTUM FUND	EQUITY	FRESENIUS SE + CO KGAA	450,658.87	5,900	1.54		0
MML ASSET MOMENTUM FUND	EQUITY	OPEN TEXT CORP	146,112.47	4,200	0.50		0
MML ASSET MOMENTUM FUND	EQUITY	RAMSAY HEALTH CARE LTD	144,438.91	3,000	0.49		0
MML ASSET MOMENTUM FUND	EQUITY	HENKEL AG + CO KGAA	251,720.30	2,000	0.86		0
MML ASSET MOMENTUM FUND	EQUITY	BOK FINANCIAL CORPORATION	306,869.00	3,100	1.05		0
MML ASSET MOMENTUM FUND	EQUITY	FIFTH THIRD BANCORP	285,750.00	9,000	0.97		0
MML ASSET MOMENTUM FUND	EQUITY	COMERICA INC	287,790.00	3,000	0.98		0
MML ASSET MOMENTUM FUND	EQUITY	ASSOCIATED BANC CORP	285,775.00	11,500	0.97		0
MML ASSET MOMENTUM FUND	CASH	AUSTRALIAN DOLLAR	1,324.89	1,725	0.00		0
MML DYNAMIC BOND FUND	FIXED INCOME	GENERAL MOTORS CO	210,200.05	210,000	0.05	2.59345	8/7/2020
MML DYNAMIC BOND FUND	FIXED INCOME	GS MORTGAGE SECURITIES TRUST	543,361.53	6,708,258	0.12	1.14053	8/10/2050
MML DYNAMIC BOND FUND	FIXED INCOME	MIZUHO FINANCIAL GROUP	402,229.24	400,000	0.09	2.9514	9/11/2022
MML DYNAMIC BOND FUND	FIXED INCOME	GREAT WOLF TRUST	443,904.03	443,000	0.10	5.0266	9/15/2034
MML DYNAMIC BOND FUND	FIXED INCOME	MACQUARIE GROUP LTD	317,856.00	330,000	0.07	3.189	11/28/2023
MML DYNAMIC BOND FUND	FIXED INCOME	GENERAL MOTORS FINL CO	507,446.96	505,000	0.11	2.68593	1/5/2023
MML DYNAMIC BOND FUND	FIXED INCOME	CAPITAL ONE FINANCIAL CO	387,175.38	390,000	0.08	2.4869	1/30/2023
MML DYNAMIC BOND FUND	FIXED INCOME	CAL FUNDING LTD	500,006.51	495,833	0.11	3.96	2/25/2043

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

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	MITSUBISHI UFJ FIN GRP	848,640.00	850,000	0.19	2.75719	3/2/2023
MML DYNAMIC BOND FUND	FIXED INCOME	SPRINT SPECTRUM / SPEC I	200,750.00	200,000	0.04	4.738	3/20/2025
MML DYNAMIC BOND FUND	FIXED INCOME	INDUSTRIAL SENIOR TRUST	497,750.00	500,000	0.11	5.5	11/1/2022
MML DYNAMIC BOND FUND	FIXED INCOME	GS MORTGAGE SECURITIES TRUST	305,571.55	5,281,287	0.07	1.54887	2/10/2046
MML DYNAMIC BOND FUND	FIXED INCOME	FOMENTO ECONOMICO MEX	194,783.78	200,000	0.04	2.875	5/10/2023
MML DYNAMIC BOND FUND	FIXED INCOME	GS MORTGAGE SECURITIES TRUST	315,072.62	6,808,892	0.07	1.00459	4/10/2047
MML DYNAMIC BOND FUND	FIXED INCOME	GLOBAL SC FINANCE SRL	442,649.80	449,667	0.10	3.19	7/17/2029
MML DYNAMIC BOND FUND	FIXED INCOME	MORGAN STANLEY BAML TRUST	614,446.95	650,000	0.13	4	12/15/2047
MML DYNAMIC BOND FUND	FIXED INCOME	CSAIL COMMERCIAL MORTGAGE TRUS	422,202.23	9,168,224	0.09	0.93524	4/15/2050
MML DYNAMIC BOND FUND	FIXED INCOME	CITIGROUP COMMERCIAL MORTGAGE	667,595.74	700,000	0.15	4.06283	6/10/2048
MML DYNAMIC BOND FUND	FIXED INCOME	BLUEMOUNTAIN CLO LTD	999,999.00	1,000,000	0.22	4.8447	10/20/2027
MML DYNAMIC BOND FUND	FIXED INCOME	JPMBB COMMERCIAL MORTGAGE SECU	99,382.98	100,000	0.02	4.66799	11/15/2048
MML DYNAMIC BOND FUND	FIXED INCOME	FHLMC MULTIFAMILY STRUCTURED P	354,143.51	350,000	0.08	3.334	8/25/2025
MML DYNAMIC BOND FUND	FIXED INCOME	WELLS FARGO COMMERCIAL MORTGAG	424,188.44	421,000	0.09	4.60026	12/15/2048
MML DYNAMIC BOND FUND	FIXED INCOME	CITIGROUP COMMERCIAL MORTGAGE	400,584.60	413,000	0.09	4.50012	11/10/2048
MML DYNAMIC BOND FUND	FIXED INCOME	JPMBB COMMERCIAL MORTGAGE SECU	477,111.58	466,000	0.10	4.74564	3/15/2049
MML DYNAMIC BOND FUND	FIXED INCOME	UNITED OVERSEAS BANK LTD	198,047.80	200,000	0.04	3.5	9/16/2026
MML DYNAMIC BOND FUND	FIXED INCOME	WIND RIVER CLO LTD	502,315.00	500,000	0.11	4.92152	7/15/2028
MML DYNAMIC BOND FUND	FIXED INCOME	SG COMMERCIAL MORTGAGE SECURIT	451,504.65	3,940,323	0.10	2.01395	10/10/2048
MML DYNAMIC BOND FUND	FIXED INCOME	JP MORGAN CHASE COMMERCIAL MOR	372,408.50	3,205,163	0.08	1.85412	8/15/2049
MML DYNAMIC BOND FUND	FIXED INCOME	US TREASURY N/B	5,663,904.05	5,910,000	1.24	1.25	10/31/2021
MML DYNAMIC BOND FUND	FIXED INCOME	CENTENE CORP	321,750.00	330,000	0.07	4.75	1/15/2025
MML DYNAMIC BOND FUND	FIXED INCOME	TCI CENT CLO 2016 1 LTD.	1,011,523.00	1,000,000	0.22	5.76031	12/21/2029
MML DYNAMIC BOND FUND	FIXED INCOME	MOSAIC SOLAR LOANS LLC	696,513.61	682,707	0.15	4.45	6/20/2042
MML DYNAMIC BOND FUND	FIXED INCOME	WIND RIVER CLO LTD	1,011,888.00	1,000,000	0.22	5.48408	4/18/2029
MML DYNAMIC BOND FUND	FIXED INCOME	DISCOVER FINANCIAL SVS	714,212.95	720,000	0.16	4.1	2/9/2027
MML DYNAMIC BOND FUND	FIXED INCOME	BARCLAYS COMMERCIAL MORTGAGE S	459,707.96	4,576,194	0.10	1.52144	2/15/2050
MML DYNAMIC BOND FUND	FIXED INCOME	THACHER PARK CLO	1,000,447.00	1,000,000	0.22	5.1447	10/20/2026
MML DYNAMIC BOND FUND	FIXED INCOME	PPF III	181,804.41	181,715	0.04	2.8266	1/14/2035
MML DYNAMIC BOND FUND	FIXED INCOME	UNION PACIFIC CORP	241,064.45	250,000	0.05	3	4/15/2027
MML DYNAMIC BOND FUND	FIXED INCOME	CD COMMERCIAL MORTGAGE TRUST	503,149.95	5,801,491	0.11	1.32551	5/10/2050
MML DYNAMIC BOND FUND	FIXED INCOME	ROYAL BK SCOTLND GRP PLC	845,088.76	860,000	0.18	3.498	5/15/2023
MML DYNAMIC BOND FUND	FIXED INCOME	EXTRACTION OIL + GAS INC	151,200.00	160,000	0.03	5.625	2/1/2026
MML DYNAMIC BOND FUND	FIXED INCOME	BAKER HUGHES LLC/CO OBL	548,424.25	580,000	0.12	4.08	12/15/2047
MML DYNAMIC BOND FUND	FIXED INCOME	OWENS CORNING	272,413.72	295,000	0.06	4.4	1/30/2048
MML DYNAMIC BOND FUND	FIXED INCOME	AASET 2018 1 TRUST	977,139.04	984,800	0.21	3.844	1/16/2038
MML DYNAMIC BOND FUND	FIXED INCOME	INVITATION HOMES TRUST	754,621.43	750,000	0.16	3.2582	3/17/2037
MML DYNAMIC BOND FUND	FIXED INCOME	INVITATION HOMES TRUST	1,152,103.81	1,145,000	0.25	3.0582	3/17/2037
MML DYNAMIC BOND FUND	FIXED INCOME	INDIGO NATURAL RES LLC	179,075.00	190,000	0.04	6.875	2/15/2026
MML DYNAMIC BOND FUND	FIXED INCOME	PETROLEOS MEXICANOS	275,381.25	285,000	0.06	6.35	2/12/2048
MML DYNAMIC BOND FUND	FIXED INCOME	JBS USA LUX/JBS USA FIN	124,800.00	130,000	0.03	6.75	2/15/2028
MML DYNAMIC BOND FUND	FIXED INCOME	FREDDIE MAC	5,006,651.87	5,129,666	1.09	3	8/15/2042
MML DYNAMIC BOND FUND	FIXED INCOME	VANTAGE DATA CENTERS ISSUER, L	756,247.83	749,375	0.17	4.072	2/16/2043
MML DYNAMIC BOND FUND	FIXED INCOME	GFL ENVIRONMENTAL INC	162,112.50	165,000	0.04	5.375	3/1/2023
MML DYNAMIC BOND FUND	FIXED INCOME	BOSTON SCIENTIFIC CORP	300,412.45	300,000	0.07	4	3/1/2028
MML DYNAMIC BOND FUND	FIXED INCOME	KENNEDY WILSON INC	257,725.00	260,000	0.06	5.875	4/1/2024
MML DYNAMIC BOND FUND	FIXED INCOME	WESTROCK CO	578,656.93	580,000	0.13	3.75	3/15/2025
MML DYNAMIC BOND FUND	CASH EQUIVALENT	TREASURY BILL	743,940.08	750,000	0.16	1.832	9/6/2018
MML DYNAMIC BOND FUND	FIXED INCOME	CVS HEALTH CORP	604,777.40	575,000	0.13	5.05	3/25/2048
MML DYNAMIC BOND FUND	FIXED INCOME	EDISON INTERNATIONAL	579,203.01	575,000	0.13	4.125	3/15/2028
MML DYNAMIC BOND FUND	FIXED INCOME	USA COM PART/USA COM FIN	162,400.00	160,000	0.04	6.875	4/1/2026
MML DYNAMIC BOND FUND	FIXED INCOME	TRAVELPORT CORP FIN	125,468.75	125,000	0.03	6	3/15/2026

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

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	ANGLO AMERICAN CAPITAL	583,723.62	585,000	0.13	4.5	3/15/2028
MML DYNAMIC BOND FUND	FIXED INCOME	TRITON CONTAINER FINANCE LLC	499,905.20	500,000	0.11	3.95	3/20/2043
MML DYNAMIC BOND FUND	FIXED INCOME	SOCIAL PROFESSIONAL LOAN PROGR	503,035.15	500,000	0.11	3.83	8/25/2047
MML DYNAMIC BOND FUND	FIXED INCOME	NVA HOLDINGS	277,062.50	275,000	0.06	6.875	4/1/2026
MML DYNAMIC BOND FUND	FIXED INCOME	ANHEUSER BUSCH INBEV WOR	299,981.12	290,000	0.07	4.6	4/15/2048
MML DYNAMIC BOND FUND	FIXED INCOME	FANNIE MAE	3,177,500.00	4,000,000	0.69	0.01	4/25/2048
MML DYNAMIC BOND FUND	FIXED INCOME	UBS COMMERCIAL MORTGAGE TRUST	368,274.60	5,153,000	0.08	1.067	3/15/2051
MML DYNAMIC BOND FUND	FIXED INCOME	BLUEMOUNTAIN CLO LTD	1,000,000.00	1,000,000	0.22	1	4/20/2031
MML DYNAMIC BOND FUND	FIXED INCOME	COTY INC	321,600.00	320,000	0.07	6.5	4/15/2026
MML DYNAMIC BOND FUND	CASH EQUIVALENT	FIXED INC CLEARING CORP.REPO	6,046,640.33	6,046,640	1.32	0.74	4/2/2018
MML DYNAMIC BOND FUND	FIXED INCOME	MACQUARIE GROUP LTD	281,104.77	280,000	0.06	4.15	3/27/2024
MML DYNAMIC BOND FUND	FIXED INCOME	CITIGROUP MORTGAGE LOAN TRUST	2,774,819.79	2,884,931	0.61	3.70465	4/25/2037
MML DYNAMIC BOND FUND	FIXED INCOME	RAIT TRUST	500,828.77	500,729	0.11	2.7266	6/15/2037
MML DYNAMIC BOND FUND	FIXED INCOME	RAIT TRUST	141,049.31	141,000	0.03	3.0766	6/15/2037
MML DYNAMIC BOND FUND	FIXED INCOME	CREDIT SUISSE MORTGAGE TRUST	284,613.57	285,000	0.06	3.6766	7/15/2032
MML DYNAMIC BOND FUND	FIXED INCOME	VENTURE CDO LTD	1,000,106.00	1,000,000	0.22	3.32152	7/15/2026
MML DYNAMIC BOND FUND	FIXED INCOME	ATHENE GLOBAL FUNDING	584,405.72	600,000	0.13	3	7/1/2022
MML DYNAMIC BOND FUND	FIXED INCOME	DBS GROUP HOLDINGS LTD	703,381.68	700,000	0.15	2.3652	7/25/2022
MML DYNAMIC BOND FUND	FIXED INCOME	JP MORGAN CHASE COMMERCIAL MOR	145,118.28	145,000	0.03	2.96794	7/15/2034
MML DYNAMIC BOND FUND	FIXED INCOME	JP MORGAN CHASE COMMERCIAL MOR	136,176.31	136,000	0.03	3.66794	7/15/2034
MML DYNAMIC BOND FUND	FIXED INCOME	JP MORGAN CHASE COMMERCIAL MOR	121,207.31	121,000	0.03	4.66794	7/15/2034
MML DYNAMIC BOND FUND	FIXED INCOME	BX TRUST	215,687.21	216,000	0.05	3.8266	7/15/2034
MML DYNAMIC BOND FUND	FIXED INCOME	FREDDIE MAC	2,941,368.04	2,972,719	0.64	3	7/15/2046
MML DYNAMIC BOND FUND	FIXED INCOME	BNP PARIBAS	575,536.12	595,000	0.13	3.375	1/9/2025
MML DYNAMIC BOND FUND	FIXED INCOME	BANCO DEL ESTADO CHILE	195,750.00	200,000	0.04	2.668	1/8/2021
MML DYNAMIC BOND FUND	FIXED INCOME	UNITED MEXICAN STATES	710,745.00	735,000	0.16	3.75	1/11/2028
MML DYNAMIC BOND FUND	FIXED INCOME	BARCLAYS BANK PLC	494,613.02	495,000	0.11	2.16457	1/11/2021
MML DYNAMIC BOND FUND	FIXED INCOME	JABIL INC	87,145.20	90,000	0.02	3.95	1/12/2028
MML DYNAMIC BOND FUND	FIXED INCOME	SUMITOMO MITSUI FINL GRP	886,619.41	885,000	0.19	2.47133	1/17/2023
MML DYNAMIC BOND FUND	FIXED INCOME	SUNOCO LP/FINANCE CORP	154,400.00	160,000	0.03	5.5	2/15/2026
MML DYNAMIC BOND FUND	FIXED INCOME	TENCENT HOLDINGS LTD	200,220.00	200,000	0.04	2.34418	1/19/2023
MML DYNAMIC BOND FUND	FIXED INCOME	NABORS INDUSTRIES INC	188,750.00	200,000	0.04	5.75	2/1/2025
MML DYNAMIC BOND FUND	FIXED INCOME	CITIGROUP INC	872,771.67	865,000	0.19	2.98494	5/17/2024
MML DYNAMIC BOND FUND	FIXED INCOME	COSMOPOLITAN HOTEL TRUST	202,175.48	202,000	0.04	5.5178	11/15/2036
MML DYNAMIC BOND FUND	FIXED INCOME	AMERICAN TOWER CORP	545,939.53	575,000	0.12	3.6	1/15/2028
MML DYNAMIC BOND FUND	FIXED INCOME	BANK OF MONTREAL	426,316.50	450,000	0.09	3.803	12/15/2032
MML DYNAMIC BOND FUND	FIXED INCOME	PACKAGING CORP OF AMERIC	277,419.65	290,000	0.06	3.4	12/15/2027
MML DYNAMIC BOND FUND	FIXED INCOME	UBS COMMERCIAL MORTGAGE TRUST	571,871.65	580,000	0.12	4.4543	12/15/2050
MML DYNAMIC BOND FUND	FIXED INCOME	OCTAGON INVESTMENT PARTNERS XX	975,992.00	1,000,000	0.21	7.1947	1/22/2030
MML DYNAMIC BOND FUND	FIXED INCOME	ANCHORAGE CAPITAL CLO LTD	1,002,149.00	1,000,000	0.22	2.71152	1/15/2030
MML DYNAMIC BOND FUND	FIXED INCOME	CELGENE CORP	566,393.71	595,000	0.12	4.35	11/15/2047
MML DYNAMIC BOND FUND	FIXED INCOME	LLOYDS BANKING GROUP PLC	566,307.74	600,000	0.12	3.574	11/7/2028
MML DYNAMIC BOND FUND	FIXED INCOME	US TREASURY N/B	11,313,034.02	11,810,000	2.47	2.25	11/15/2027
MML DYNAMIC BOND FUND	FIXED INCOME	CORNING INC	547,917.53	595,000	0.12	4.375	11/15/2057
MML DYNAMIC BOND FUND	FIXED INCOME	QEP RESOURCES INC	155,925.00	165,000	0.03	5.625	3/1/2026
MML DYNAMIC BOND FUND	FIXED INCOME	AMERICAN ELECTRIC POWER	90,531.98	95,000	0.02	3.2	11/13/2027
MML DYNAMIC BOND FUND	FIXED INCOME	MOSAIC CO	585,187.83	600,000	0.13	4.05	11/15/2027
MML DYNAMIC BOND FUND	FIXED INCOME	PLATFORM SPECIALTY PROD	259,037.50	265,000	0.06	5.875	12/1/2025
MML DYNAMIC BOND FUND	FIXED INCOME	REPUBLIC SERVICES INC	583,846.94	605,000	0.13	3.375	11/15/2027
MML DYNAMIC BOND FUND	FIXED INCOME	ANTHEM INC	155,692.96	160,000	0.03	2.95	12/1/2022
MML DYNAMIC BOND FUND	FIXED INCOME	AERCAP IRELAND CAP/GLOBA	578,510.57	600,000	0.13	3.5	1/15/2025
MML DYNAMIC BOND FUND	FIXED INCOME	POLARIS INTERMEDIATE	81,600.80	80,000	0.02	8.5	12/1/2022

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

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	SPRITE LIMITED	488,639.46	490,400	0.11	4.25	12/15/2037
MML DYNAMIC BOND FUND	FIXED INCOME	HESS INF PART / FIN CORP	319,312.50	325,000	0.07	5.625	2/15/2026
MML DYNAMIC BOND FUND	FIXED INCOME	ROYAL CARIBBEAN CRUISES	282,783.88	295,000	0.06	3.7	3/15/2028
MML DYNAMIC BOND FUND	FIXED INCOME	UNION BK OF PHILIPPINES	389,146.40	400,000	0.08	3.369	11/29/2022
MML DYNAMIC BOND FUND	FIXED INCOME	SYNCHRONY FINANCIAL	23,641.88	25,000	0.01	3.95	12/1/2027
MML DYNAMIC BOND FUND	FIXED INCOME	ALIBABA GROUP HOLDING	193,392.25	200,000	0.04	2.8	6/6/2023
MML DYNAMIC BOND FUND	FIXED INCOME	EXPEDIA INC	552,599.79	595,000	0.12	3.8	2/15/2028
MML DYNAMIC BOND FUND	CASH EQUIVALENT	TREASURY BILL	1,714,759.90	1,720,000	0.37	1.469	6/7/2018
MML DYNAMIC BOND FUND	FIXED INCOME	COSMOPOLITAN HOTEL TRUST	378,284.37	378,000	0.08	4.7766	11/15/2036
MML DYNAMIC BOND FUND	FIXED INCOME	CREDIT SUISSE GROUP AG	603,178.01	595,000	0.13	3.30688	12/14/2023
MML DYNAMIC BOND FUND	FIXED INCOME	CHENIERE ENERGY PARTNERS	320,531.25	325,000	0.07	5.25	10/1/2025
MML DYNAMIC BOND FUND	FIXED INCOME	BANISTMO SA	191,750.00	200,000	0.04	3.65	9/19/2022
MML DYNAMIC BOND FUND	FIXED INCOME	VIKING CRUISES LTD	397,950.00	420,000	0.09	5.875	9/15/2027
MML DYNAMIC BOND FUND	FIXED INCOME	NEXTERA ENERGY OPERATING	320,450.00	340,000	0.07	4.5	9/15/2027
MML DYNAMIC BOND FUND	FIXED INCOME	US TREASURY N/B	5,505,352.67	5,690,000	1.20	2.125	9/30/2024
MML DYNAMIC BOND FUND	FIXED INCOME	CB ESCROW CORP	74,500.00	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	159,200.00	160,000	0.03	6	10/1/2024
MML DYNAMIC BOND FUND	FIXED INCOME	GREAT WOLF TRUST	236,506.88	236,000	0.05	5.9966	9/15/2034
MML DYNAMIC BOND FUND	FIXED INCOME	GREAT WOLF TRUST	286,209.67	286,000	0.06	4.0266	9/15/2034
MML DYNAMIC BOND FUND	FIXED INCOME	CK HUTCH INTL 17 II LTD	196,335.54	200,000	0.04	2.25	9/29/2020
MML DYNAMIC BOND FUND	FIXED INCOME	GILBERT PARK CLO LTD	503,362.50	500,000	0.11	4.31476	10/15/2030
MML DYNAMIC BOND FUND	FIXED INCOME	EQT CORP	583,557.58	610,000	0.13	3.9	10/1/2027
MML DYNAMIC BOND FUND	FIXED INCOME	CAESARS RESORT / FINCO	321,157.80	335,000	0.07	5.25	10/15/2025
MML DYNAMIC BOND FUND	FIXED INCOME	VALEANT PHARMACEUTICALS	321,255.00	330,000	0.07	5.5	11/1/2025
MML DYNAMIC BOND FUND	FIXED INCOME	FREDDIEMAC STRIP	3,644,486.69	3,739,194	0.80	3	8/15/2047
MML DYNAMIC BOND FUND	FIXED INCOME	GILBERT PARK CLO LTD	1,013,794.00	1,000,000	0.22	7.76476	10/15/2030
MML DYNAMIC BOND FUND	FIXED INCOME	PLASTIPAK HOLDINGS INC	254,362.50	255,000	0.06	6.25	10/15/2025
MML DYNAMIC BOND FUND	FIXED INCOME	BEACON ROOFING SUPPLY IN	295,275.00	310,000	0.06	4.875	11/1/2025
MML DYNAMIC BOND FUND	FIXED INCOME	BANCO SANTANDER SA	604,878.29	600,000	0.13	3.00975	2/23/2023
MML DYNAMIC BOND FUND	FIXED INCOME	US TREASURY N/B	6,240,996.77	6,405,000	1.36	2.25	10/31/2024
MML DYNAMIC BOND FUND	FIXED INCOME	GOLDMAN SACHS GROUP INC	738,642.90	740,000	0.16	2.55225	10/31/2022
MML DYNAMIC BOND FUND	FIXED INCOME	FREDDIEMAC STRIP	3,247,997.14	3,328,709	0.71	3	10/15/2047
MML DYNAMIC BOND FUND	FIXED INCOME	BECTON DICKINSON AND CO	834,424.20	860,000	0.18	2.894	6/6/2022
MML DYNAMIC BOND FUND	FIXED INCOME	CANADIAN NATL RESOURCES	878,760.00	905,000	0.19	2.95	1/15/2023
MML DYNAMIC BOND FUND	FIXED INCOME	GTT COMMUNICATIONS INC	310,775.00	310,000	0.07	7.875	12/31/2024
MML DYNAMIC BOND FUND	FIXED INCOME	PETSMART INC	83,087.50	115,000	0.02	5.875	6/1/2025
MML DYNAMIC BOND FUND	FIXED INCOME	EBAY INC	555,197.77	575,000	0.12	2.75	1/30/2023
MML DYNAMIC BOND FUND	FIXED INCOME	WILLIAMS PARTNERS LP	277,250.75	290,000	0.06	3.75	6/15/2027
MML DYNAMIC BOND FUND	FIXED INCOME	ARROW ELECTRONICS INC	280,943.49	290,000	0.06	3.875	1/12/2028
MML DYNAMIC BOND FUND	FIXED INCOME	FORTIS INC	554,452.43	580,000	0.12	2.1	10/4/2021
MML DYNAMIC BOND FUND	FIXED INCOME	ASTRAZENECA PLC	579,467.27	600,000	0.13	2.375	6/12/2022
MML DYNAMIC BOND FUND	FIXED INCOME	NEW YORK LIFE GLOBAL FDG	521,842.60	540,000	0.11	2.3	6/10/2022
MML DYNAMIC BOND FUND	FIXED INCOME	BRIGHTHOUSE FINANCIAL IN	533,479.35	575,000	0.12	3.7	6/22/2027
MML DYNAMIC BOND FUND	FIXED INCOME	SYSCO CORPORATION	554,539.05	580,000	0.12	3.25	7/15/2027
MML DYNAMIC BOND FUND	FIXED INCOME	TCI CENT CLO 2017 1 LTD.	506,762.00	500,000	0.11	5.3952	7/25/2030
MML DYNAMIC BOND FUND	FIXED INCOME	CSAIL COMMERCIAL MORTGAGE TRUS	511,806.10	6,688,361	0.11	1.25569	6/15/2050
MML DYNAMIC BOND FUND	FIXED INCOME	CREDIT SUISSE MORTGAGE TRUST	284,792.86	285,000	0.06	5.0766	7/15/2032
MML DYNAMIC BOND FUND	FIXED INCOME	NFP CORP	307,675.00	310,000	0.07	6.875	7/15/2025
MML DYNAMIC BOND FUND	FIXED INCOME	NGL ENRGY PART LP/FIN CO	220,825.00	220,000	0.05	7.5	11/1/2023
MML DYNAMIC BOND FUND	FIXED INCOME	TSY INF IX N/B	2,242,742.94	2,298,943	0.49	0.375	7/15/2027
MML DYNAMIC BOND FUND	FIXED INCOME	ELDORADO RESORTS INC	319,725.00	315,000	0.07	6	4/1/2025

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

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	DBS GROUP HOLDINGS LTD	200,966.19	200,000	0.04	2.3652	7/25/2022
MML DYNAMIC BOND FUND	FIXED INCOME	SOCIAL PROFESSIONAL LOAN PROGR	346,803.70	350,000	0.08	3.61	9/25/2040
MML DYNAMIC BOND FUND	FIXED INCOME	MORGAN STANLEY	565,847.30	585,000	0.12	3.591	7/22/2028
MML DYNAMIC BOND FUND	FIXED INCOME	TRIP RAIL MASTER FUNDING LLC	441,706.59	447,054	0.10	2.709	8/15/2047
MML DYNAMIC BOND FUND	FIXED INCOME	US TREASURY N/B	968,847.70	1,000,000	0.21	2.125	7/31/2024
MML DYNAMIC BOND FUND	FIXED INCOME	JP MORGAN CHASE COMMERCIAL MOR	170,408.65	170,000	0.04	5.46794	7/15/2034
MML DYNAMIC BOND FUND	FIXED INCOME	CROWN CASTLE INTL CORP	547,876.46	575,000	0.12	3.65	9/1/2027
MML DYNAMIC BOND FUND	FIXED INCOME	AMERICAN EXPRESS CO	1,176,800.46	1,220,000	0.26	2.5	8/1/2022
MML DYNAMIC BOND FUND	FIXED INCOME	BX TRUST	355,227.41	355,000	0.08	4.9266	7/15/2034
MML DYNAMIC BOND FUND	FIXED INCOME	SPARC EM SPC PANAMA METR	631,400.00	700,000	0.14	0.01	12/5/2022
MML DYNAMIC BOND FUND	FIXED INCOME	SPARC EM SPC PANAMA METR	541,200.00	600,000	0.12	0.01	12/5/2022
MML DYNAMIC BOND FUND	FIXED INCOME	US TREASURY N/B	5,973,925.20	6,230,000	1.30	2.25	8/15/2027
MML DYNAMIC BOND FUND	FIXED INCOME	MORGAN STANLEY	590,008.34	605,000	0.13	2.75	5/19/2022
MML DYNAMIC BOND FUND	FIXED INCOME	CLNS TRUST	190,342.17	190,000	0.04	6.23957	6/11/2032
MML DYNAMIC BOND FUND	FIXED INCOME	CLNS TRUST	189,731.49	190,000	0.04	3.78957	6/11/2032
MML DYNAMIC BOND FUND	FIXED INCOME	CLNS TRUST	190,147.08	190,000	0.04	5.23957	6/11/2032
MML DYNAMIC BOND FUND	FIXED INCOME	TRANSDIGM INC	307,287.50	305,000	0.07	6.375	6/15/2026
MML DYNAMIC BOND FUND	FIXED INCOME	EVERSOURCE ENERGY	980,138.33	1,000,000	0.21	2.75	3/15/2022
MML DYNAMIC BOND FUND	FIXED INCOME	BLUELINE RENTAL CRP / LL	321,654.00	300,000	0.07	9.25	3/15/2024
MML DYNAMIC BOND FUND	FIXED INCOME	ENABLE MIDSTREAM PARTNER	552,965.79	565,000	0.12	4.4	3/15/2027
MML DYNAMIC BOND FUND	FIXED INCOME	PPF III	94,035.91	94,000	0.02	3.5266	1/14/2035
MML DYNAMIC BOND FUND	FIXED INCOME	COMMONWEALTH BANK AUST	820,846.45	835,000	0.18	2.75	3/10/2022
MML DYNAMIC BOND FUND	FIXED INCOME	PPF III	99,052.14	99,000	0.02	4.2766	1/14/2035
MML DYNAMIC BOND FUND	FIXED INCOME	MCDONALD S CORP	242,217.33	235,000	0.05	4.45	3/1/2047
MML DYNAMIC BOND FUND	FIXED INCOME	PPF III	164,053.69	164,000	0.04	3.0766	1/14/2035
MML DYNAMIC BOND FUND	FIXED INCOME	DTE ENERGY CO	493,497.06	500,000	0.11	3.8	3/15/2027
MML DYNAMIC BOND FUND	FIXED INCOME	DELTA AIR LINES INC	284,649.60	285,000	0.06	3.625	3/15/2022
MML DYNAMIC BOND FUND	FIXED INCOME	PENSKE TRUCK LEASING/PTL	277,223.33	275,000	0.06	4.2	4/1/2027
MML DYNAMIC BOND FUND	FIXED INCOME	UNITED MEXICAN STATES	852,273.00	843,000	0.19	4.15	3/28/2027
MML DYNAMIC BOND FUND	FIXED INCOME	PERUSAHAAN PENERBIT SBSN	396,000.00	400,000	0.09	4.15	3/29/2027
MML DYNAMIC BOND FUND	FIXED INCOME	PERUSAHAAN PENERBIT SBSN	198,000.00	200,000	0.04	4.15	3/29/2027
MML DYNAMIC BOND FUND	FIXED INCOME	APPLIED MATERIALS INC	297,790.21	280,000	0.07	4.35	4/1/2047
MML DYNAMIC BOND FUND	FIXED INCOME	B+G FOODS INC	284,122.75	305,000	0.06	5.25	4/1/2025
MML DYNAMIC BOND FUND	FIXED INCOME	CK HUTCHISON INTL 17 LTD	193,625.72	200,000	0.04	3.5	4/5/2027
MML DYNAMIC BOND FUND	FIXED INCOME	CK HUTCHISON INTL 17 LTD	196,144.25	200,000	0.04	2.875	4/5/2022
MML DYNAMIC BOND FUND	FIXED INCOME	GENERAL MOTORS FINL CO	337,113.21	340,000	0.07	3.95	4/13/2024
MML DYNAMIC BOND FUND	FIXED INCOME	HELIOS ISSUER, LLC	242,006.02	237,698	0.05	4.94	9/20/2049
MML DYNAMIC BOND FUND	FIXED INCOME	TSY INFL IX N/B	6,929,744.36	7,028,823	1.51	0.125	4/15/2022
MML DYNAMIC BOND FUND	FIXED INCOME	SABINE PASS LIQUEFACTION	685,680.88	660,000	0.15	5	3/15/2027
MML DYNAMIC BOND FUND	FIXED INCOME	BANK OF AMERICA CORP	416,152.43	425,000	0.09	2.881	4/24/2023
MML DYNAMIC BOND FUND	FIXED INCOME	NEXTERA ENERGY CAPITAL	272,098.74	280,000	0.06	3.55	5/1/2027
MML DYNAMIC BOND FUND	FIXED INCOME	GARDA WORLD SECURITY	319,487.50	305,000	0.07	8.75	5/15/2025
MML DYNAMIC BOND FUND	FIXED INCOME	CREDIT SUISSE MORTGAGE TRUST	254,362.79	257,000	0.06	3.22941	4/5/2033
MML DYNAMIC BOND FUND	FIXED INCOME	CREDIT SUISSE MORTGAGE TRUST	299,757.42	306,000	0.07	3.33051	4/5/2033
MML DYNAMIC BOND FUND	FIXED INCOME	OCTAGON INVESTMENT PARTNERS XI	1,022,172.00	1,000,000	0.22	5.72152	7/15/2029
MML DYNAMIC BOND FUND	FIXED INCOME	US TREASURY N/B	2,867,402.40	3,000,000	0.63	2.75	8/15/2047
MML DYNAMIC BOND FUND	FIXED INCOME	DIGITAL REALTY TRUST LP	240,908.59	250,000	0.05	3.7	8/15/2027
MML DYNAMIC BOND FUND	FIXED INCOME	EXPORT IMPORT BK INDIA	199,570.00	200,000	0.04	2.89213	8/21/2022
MML DYNAMIC BOND FUND	FIXED INCOME	DUKE ENERGY CORP	225,246.19	240,000	0.05	3.95	8/15/2047
MML DYNAMIC BOND FUND	FIXED INCOME	1011778 BC / NEW RED FIN	309,465.00	325,000	0.07	5	10/15/2025
MML DYNAMIC BOND FUND	FIXED INCOME	BAT CAPITAL CORP	105,630.66	105,000	0.02	2.71875	8/15/2022
MML DYNAMIC BOND FUND	FIXED INCOME	GULFPORT ENERGY CORP	320,762.50	335,000	0.07	6.375	5/15/2025

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

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	CLUBCORP HOLDINGS INC	154,800.00	160,000	0.03	8.5	9/15/2025
MML DYNAMIC BOND FUND	FIXED INCOME	CIM TRUST	2,668,236.19	2,733,853	0.58	3.015	6/25/2057
MML DYNAMIC BOND FUND	FIXED INCOME	US TREASURY N/B	6,602,180.32	6,920,000	1.44	1.875	8/31/2024
MML DYNAMIC BOND FUND	FIXED INCOME	BDO UNIBANK INC	288,078.30	300,000	0.06	2.95	3/6/2023
MML DYNAMIC BOND FUND	FIXED INCOME	HASBRO INC	159,233.20	170,000	0.03	3.5	9/15/2027
MML DYNAMIC BOND FUND	FIXED INCOME	AT+T INC	973,244.71	920,000	0.21	5.25	3/1/2037
MML DYNAMIC BOND FUND	FIXED INCOME	OCTAGON INVESTMENT PARTNERS 30	1,009,392.00	1,000,000	0.22	5.2447	3/17/2030
MML DYNAMIC BOND FUND	FIXED INCOME	OCTAGON INVESTMENT PARTNERS 30	505,373.50	500,000	0.11	7.9447	3/17/2030
MML DYNAMIC BOND FUND	FIXED INCOME	POST HOLDINGS INC	315,200.00	320,000	0.07	5.5	3/1/2025
MML DYNAMIC BOND FUND	FIXED INCOME	PEABODY ENERGY CORP	311,100.00	305,000	0.07	6	3/31/2022
MML DYNAMIC BOND FUND	FIXED INCOME	MADISON PARK FUNDING LTD	1,001,100.00	1,000,000	0.22	7.20031	1/27/2026
MML DYNAMIC BOND FUND	FIXED INCOME	HEXION INC	309,600.00	320,000	0.07	10.375	2/1/2022
MML DYNAMIC BOND FUND	FIXED INCOME	SYDNEY AIRPORT FINANCE	292,406.89	300,000	0.06	3.625	4/28/2026
MML DYNAMIC BOND FUND	FIXED INCOME	MORGAN STANLEY BAML TRUST	484,942.00	475,000	0.11	4.75214	5/15/2049
MML DYNAMIC BOND FUND	FIXED INCOME	MALAYAN BANKING BHD	600,612.00	600,000	0.13	3.905	10/29/2026
MML DYNAMIC BOND FUND	FIXED INCOME	CROWN CASTLE INTL CORP	673,650.38	700,000	0.15	3.7	6/15/2026
MML DYNAMIC BOND FUND	FIXED INCOME	CARLYLE GLOBAL MARKET STRATEGI	503,626.50	500,000	0.11	8.17152	7/15/2027
MML DYNAMIC BOND FUND	FIXED INCOME	LEVEL 3 FINANCING INC	321,545.40	330,000	0.07	5.375	1/15/2024
MML DYNAMIC BOND FUND	FIXED INCOME	AES ANDRS/DMCN PWR/ITABO	533,475.00	500,000	0.12	7.95	5/11/2026
MML DYNAMIC BOND FUND	FIXED INCOME	S+P GLOBAL INC	299,236.55	285,000	0.07	4.4	2/15/2026
MML DYNAMIC BOND FUND	FIXED INCOME	ALM LOAN FUNDING	507,306.00	500,000	0.11	6.07152	7/15/2028
MML DYNAMIC BOND FUND	FIXED INCOME	ALM LOAN FUNDING	505,156.00	500,000	0.11	4.72152	7/15/2028
MML DYNAMIC BOND FUND	FIXED INCOME	SOUTHERN CO	64,126.43	65,000	0.01	1.85	7/1/2019
MML DYNAMIC BOND FUND	FIXED INCOME	MARFRIG HOLDING EUROPE B	201,250.00	200,000	0.04	8	6/8/2023
MML DYNAMIC BOND FUND	FIXED INCOME	CENGAGE LEARNING INC	203,387.50	265,000	0.04	9.5	6/15/2024
MML DYNAMIC BOND FUND	FIXED INCOME	WESTCOTT PARK CLO LTD	510,733.50	500,000	0.11	6.0947	7/20/2028
MML DYNAMIC BOND FUND	FIXED INCOME	US TREASURY N/B	5,640,665.77	5,880,000	1.23	1.125	6/30/2021
MML DYNAMIC BOND FUND	FIXED INCOME	FHLMC MULTIFAMILY STRUCTURED P	344,467.18	6,687,411	0.08	1.31057	3/25/2023
MML DYNAMIC BOND FUND	FIXED INCOME	FNMA POOL MA2711	5,838,961.88	6,005,521	1.28	3	8/1/2046
MML DYNAMIC BOND FUND	FIXED INCOME	UNITED OVERSEAS BANK LTD	702,604.00	700,000	0.15	3.75	9/19/2024
MML DYNAMIC BOND FUND	FIXED INCOME	SUNOCO LOGISTICS PARTNER	712,451.58	750,000	0.16	3.9	7/15/2026
MML DYNAMIC BOND FUND	FIXED INCOME	JP MORGAN CHASE COMMERCIAL MOR	167,865.09	174,000	0.04	3.4595	8/15/2049
MML DYNAMIC BOND FUND	FIXED INCOME	JP MORGAN CHASE COMMERCIAL MOR	128,738.29	134,000	0.03	3.79338	8/15/2049
MML DYNAMIC BOND FUND	FIXED INCOME	CITIGROUP COMMERCIAL MORTGAGE	523,467.29	547,000	0.11	2.902	7/10/2049
MML DYNAMIC BOND FUND	FIXED INCOME	CITIGROUP COMMERCIAL MORTGAGE	439,836.70	3,741,066	0.10	2.00479	7/10/2049
MML DYNAMIC BOND FUND	FIXED INCOME	TEVA PHARMACEUTICALS NE	703,244.37	830,000	0.15	2.8	7/21/2023
MML DYNAMIC BOND FUND	FIXED INCOME	ONGC VIDESH VANKORNEFT	812,243.00	850,000	0.18	3.75	7/27/2026
MML DYNAMIC BOND FUND	FIXED INCOME	FNMA POOL AS7661	1,683,498.40	1,731,521	0.37	3	8/1/2046
MML DYNAMIC BOND FUND	FIXED INCOME	COMM MORTGAGE TRUST	202,790.89	210,000	0.04	3.4614	8/10/2029
MML DYNAMIC BOND FUND	FIXED INCOME	DUKE ENERGY CORP	193,923.11	215,000	0.04	3.75	9/1/2046
MML DYNAMIC BOND FUND	FIXED INCOME	BUILDERS FIRSTSOURCE INC	321,600.00	320,000	0.07	5.625	9/1/2024
MML DYNAMIC BOND FUND	FIXED INCOME	MORGAN STANLEY CAPITAL I TRUST	146,365.74	1,578,743	0.03	1.65916	8/15/2049
MML DYNAMIC BOND FUND	FIXED INCOME	KRAFT HEINZ FOODS CO	234,765.27	235,000	0.05	2	7/2/2018
MML DYNAMIC BOND FUND	FIXED INCOME	KRAFT HEINZ FOODS CO	342,610.79	345,000	0.07	2.8	7/2/2020
MML DYNAMIC BOND FUND	FIXED INCOME	US TREASURY N/B	393,132.99	395,000	0.09	0.75	8/31/2018
MML DYNAMIC BOND FUND	FIXED INCOME	COMM MORTGAGE TRUST	511,398.67	517,000	0.11	4.64699	2/10/2049
MML DYNAMIC BOND FUND	FIXED INCOME	US TREASURY N/B	6,997,030.90	7,080,000	1.53	0.75	2/15/2019
MML DYNAMIC BOND FUND	FIXED INCOME	CITIGROUP COMMERCIAL MORTGAGE	445,728.69	583,000	0.10	2.85	2/10/2049
MML DYNAMIC BOND FUND	FIXED INCOME	SOLERA LLC / SOLERA FINA	150,187.50	135,000	0.03	10.5	3/1/2024
MML DYNAMIC BOND FUND	FIXED INCOME	COMM MORTGAGE TRUST	60,200.37	983,059	0.01	1.05709	2/10/2049
MML DYNAMIC BOND FUND	FIXED INCOME	FANNIEMAE ACES	448,657.85	465,000	0.10	2.702	2/25/2026
MML DYNAMIC BOND FUND	FIXED INCOME	STATE OF ISRAEL	575,016.00	600,000	0.13	2.875	3/16/2026

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

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	FHLMC MULTIFAMILY STRUCTURED P	457,515.90	463,000	0.10	2.995	12/25/2025
MML DYNAMIC BOND FUND	FIXED INCOME	NEWELL BRANDS INC	509,525.59	480,000	0.11	5.5	4/1/2046
MML DYNAMIC BOND FUND	FIXED INCOME	OMNICOM GP/OMNICOM CAP	552,548.12	570,000	0.12	3.6	4/15/2026
MML DYNAMIC BOND FUND	FIXED INCOME	EXELON CORP	724,216.53	750,000	0.16	3.4	4/15/2026
MML DYNAMIC BOND FUND	FIXED INCOME	ALLY FINANCIAL INC	30,075.00	30,000	0.01	4.25	4/15/2021
MML DYNAMIC BOND FUND	FIXED INCOME	PRIME SECSRV BRW/FINANC	241,660.64	223,000	0.05	9.25	5/15/2023
MML DYNAMIC BOND FUND	FIXED INCOME	MALAYSIA SUKUK GLOBAL	244,682.50	250,000	0.05	3.179	4/27/2026
MML DYNAMIC BOND FUND	FIXED INCOME	ADANI PORTS AND SPECIAL	373,662.38	375,000	0.08	3.95	1/19/2022
MML DYNAMIC BOND FUND	FIXED INCOME	FLEX ACQUISITION CO INC	316,800.00	320,000	0.07	6.875	1/15/2025
MML DYNAMIC BOND FUND	FIXED INCOME	GOHL CAPITAL LTD	589,980.00	600,000	0.13	4.25	1/24/2027
MML DYNAMIC BOND FUND	FIXED INCOME	EMPRESA DE TRANSPORTE ME	772,500.00	750,000	0.17	5	1/25/2047
MML DYNAMIC BOND FUND	FIXED INCOME	US TREASURY N/B	1,026,231.47	1,050,000	0.22	1.875	1/31/2022
MML DYNAMIC BOND FUND	FIXED INCOME	US TREASURY N/B	967,178.06	975,000	0.21	1.125	1/31/2019
MML DYNAMIC BOND FUND	FIXED INCOME	PETROLEOS MEXICANOS	293,445.20	290,000	0.06	6.75	9/21/2047
MML DYNAMIC BOND FUND	FIXED INCOME	SMITHFIELD FOODS INC	588,947.45	595,000	0.13	4.25	2/1/2027
MML DYNAMIC BOND FUND	FIXED INCOME	MORGAN STANLEY CAPITAL I TRUST	423,528.40	425,000	0.09	5.1766	2/15/2034
MML DYNAMIC BOND FUND	FIXED INCOME	CROWN CASTLE INTL CORP	221,251.05	225,000	0.05	4	3/1/2027
MML DYNAMIC BOND FUND	FIXED INCOME	BLUEMOUNTAIN CLO LTD	1,014,971.00	1,000,000	0.22	5.8947	1/20/2029
MML DYNAMIC BOND FUND	FIXED INCOME	BDO UNIBANK INC	437,112.90	450,000	0.10	2.625	10/24/2021
MML DYNAMIC BOND FUND	FIXED INCOME	BANK OF AMERICA CORP	408,251.11	425,000	0.09	2.503	10/21/2022
MML DYNAMIC BOND FUND	FIXED INCOME	BANCO DE CREDITO DEL PER	691,040.00	700,000	0.15	2.25	10/25/2019
MML DYNAMIC BOND FUND	FIXED INCOME	N TEXAS ST MUNI WTR DIST WTR S	253,017.60	220,000	0.06	5	9/1/2035
MML DYNAMIC BOND FUND	FIXED INCOME	US TREASURY N/B	4,040,818.54	4,120,000	0.88	2.875	11/15/2046
MML DYNAMIC BOND FUND	FIXED INCOME	BLACKBIRD CAPITAL AIRCRAFT	922,752.28	927,083	0.20	5.682	12/16/2041
MML DYNAMIC BOND FUND	FIXED INCOME	TELESAT CANADA/TELESAT L	312,787.50	285,000	0.07	8.875	11/15/2024
MML DYNAMIC BOND FUND	FIXED INCOME	INVENTIV GRP HLDGS INC	228,437.50	215,000	0.05	7.5	10/1/2024
MML DYNAMIC BOND FUND	FIXED INCOME	US TREASURY N/B	5,505,715.39	5,650,000	1.20	1.75	11/30/2021
MML DYNAMIC BOND FUND	FIXED INCOME	GENESYS/GREENEDEN LUX/US	299,700.00	270,000	0.07	10	11/30/2024
MML DYNAMIC BOND FUND	FIXED INCOME	MSCG TRUST	534,086.15	539,000	0.12	5.205	11/15/2034
MML DYNAMIC BOND FUND	FIXED INCOME	CHARTER COMM OPT LLC/CAP	587,595.99	575,000	0.13	4.908	7/23/2025
MML DYNAMIC BOND FUND	FIXED INCOME	HERO FUNDING TRUST	416,712.21	408,842	0.09	4.29	9/20/2047
MML DYNAMIC BOND FUND	FIXED INCOME	ALM LOAN FUNDING	1,022,036.00	1,000,000	0.22	5.76152	10/15/2028
MML DYNAMIC BOND FUND	FIXED INCOME	MORGAN STANLEY BAML TRUST	460,019.90	454,000	0.10	3.72	12/15/2049
MML DYNAMIC BOND FUND	FIXED INCOME	CITIGROUP COMMERCIAL MORTGAGE	439,710.75	435,000	0.10	3.72	12/10/2049
MML DYNAMIC BOND FUND	FIXED INCOME	CFCRE COMMERCIAL MORTGAGE TRUS	552,065.16	545,000	0.12	3.8385	12/10/2054
MML DYNAMIC BOND FUND	FIXED INCOME	US TREASURY N/B	5,491,628.86	5,590,000	1.20	2	12/31/2021
MML DYNAMIC BOND FUND	FIXED INCOME	DUKE ENERGY FLORIDA LLC	976,420.71	1,000,000	0.21	3.2	1/15/2027
MML DYNAMIC BOND FUND	FIXED INCOME	SUTHERLAND COMMERCIAL MORTGAGE	106,370.09	105,867	0.02	4	6/25/2039
MML DYNAMIC BOND FUND	FIXED INCOME	BPRL INTERNATIONAL SINGA	492,553.50	500,000	0.11	4.375	1/18/2027
MML DYNAMIC BOND FUND	FIXED INCOME	ENERGY TRANSFER PARTNERS	139,981.48	145,000	0.03	4.2	4/15/2027
MML DYNAMIC BOND FUND	FIXED INCOME	CINCINNATI BELL INC	210,325.00	235,000	0.05	7	7/15/2024
MML DYNAMIC BOND FUND	FIXED INCOME	SHIRE ACQ INV IRELAND DA	553,714.97	580,000	0.12	2.875	9/23/2023
MML DYNAMIC BOND FUND	FIXED INCOME	MEXICO CITY ARPT TRUST	481,250.00	500,000	0.11	4.25	10/31/2026
MML DYNAMIC BOND FUND	FIXED INCOME	SINOPEC GRP OVERSEAS DEV	635,393.50	700,000	0.14	2.75	9/29/2026
MML DYNAMIC BOND FUND	FIXED INCOME	CITIGROUP COMMERCIAL MORTGAGE	527,233.05	534,000	0.12	3.52	9/10/2031
MML DYNAMIC BOND FUND	FIXED INCOME	WIND RIVER CLO LTD	1,016,637.00	1,000,000	0.22	5.82152	1/15/2026
MML DYNAMIC BOND FUND	FIXED INCOME	WELLS FARGO COMMERCIAL MORTGAG	220,927.00	2,383,476	0.05	1.65153	11/15/2049
MML DYNAMIC BOND FUND	EQUITY	SANDRIDGE ENERGY INC	9,402.48	648	0.00	0	
MML DYNAMIC BOND FUND	FIXED INCOME	UPL CORP LTD	195,795.00	200,000	0.04	3.25	10/13/2021
MML DYNAMIC BOND FUND	FIXED INCOME	SIERRA PACIFIC POWER CO	932,309.33	1,000,000	0.20	2.6	5/1/2026
MML DYNAMIC BOND FUND	FIXED INCOME	TEMPUR SEALY INTL INC	322,437.50	335,000	0.07	5.5	6/15/2026
MML DYNAMIC BOND FUND	FIXED INCOME	CSX CORP	552,133.01	600,000	0.12	3.8	11/1/2046

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

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	FNMA POOL AL9238	4,236,318.03	4,321,051	0.93	3	10/1/2041
MML DYNAMIC BOND FUND	FIXED INCOME	FEDEX CORP	569,297.42	545,000	0.12	4.75	11/15/2045
MML DYNAMIC BOND FUND	FIXED INCOME	FANNIE MAE	1,008,264.83	1,013,719	0.22	3	1/25/2045
MML DYNAMIC BOND FUND	FIXED INCOME	MORGAN STANLEY BAML TRUST	525,591.76	650,000	0.11	3.06	10/15/2048
MML DYNAMIC BOND FUND	FIXED INCOME	WELLS FARGO COMMERCIAL MORTGAG	479,943.41	468,000	0.10	4.61058	11/15/2048
MML DYNAMIC BOND FUND	FIXED INCOME	WELLS FARGO COMMERCIAL MORTGAG	408,086.42	6,663,310	0.09	1.08997	11/15/2048
MML DYNAMIC BOND FUND	FIXED INCOME	COMM MORTGAGE TRUST	465,295.35	470,000	0.10	4.64606	10/10/2048
MML DYNAMIC BOND FUND	FIXED INCOME	AXIATA SPV2 BHD	902,133.90	900,000	0.20	3.466	11/19/2020
MML DYNAMIC BOND FUND	FIXED INCOME	MORGAN STANLEY CAPITAL I TRUST	475,882.36	478,000	0.10	4.73957	8/15/2026
MML DYNAMIC BOND FUND	FIXED INCOME	LOCKHEED MARTIN CORP	548,025.71	505,000	0.12	4.7	5/15/2046
MML DYNAMIC BOND FUND	FIXED INCOME	GS MORTGAGE SECURITIES TRUST	398,379.47	8,117,520	0.09	0.82005	11/10/2048
MML DYNAMIC BOND FUND	FIXED INCOME	JPMBB COMMERCIAL MORTGAGE SECU	533,255.54	527,000	0.12	4.61827	12/15/2048
MML DYNAMIC BOND FUND	FIXED INCOME	CSAIL COMMERCIAL MORTGAGE TRUS	422,367.69	427,000	0.09	4.58357	11/15/2048
MML DYNAMIC BOND FUND	FIXED INCOME	MORGAN STANLEY BAML TRUST	371,733.31	504,000	0.08	3.237	12/15/2047
MML DYNAMIC BOND FUND	FIXED INCOME	MORGAN STANLEY BAML TRUST	337,381.41	351,000	0.07	4.53405	12/15/2047
MML DYNAMIC BOND FUND	FIXED INCOME	CITIGROUP COMMERCIAL MORTGAGE	239,038.18	5,299,359	0.05	0.88557	11/10/2048
MML DYNAMIC BOND FUND	FIXED INCOME	MORGAN STANLEY CAPITAL I TRUST	363,781.72	6,560,855	0.08	0.95261	12/15/2048
MML DYNAMIC BOND FUND	FIXED INCOME	WELLS FARGO COMMERCIAL MORTGAG	399,071.21	392,000	0.09	3.809	12/15/2048
MML DYNAMIC BOND FUND	FIXED INCOME	WELLS FARGO COMMERCIAL MORTGAG	295,826.54	5,460,462	0.06	1.0177	12/15/2048
MML DYNAMIC BOND FUND	FIXED INCOME	CASTLELAKE AIRCRAFT SECURITIZA	1,204,956.04	1,203,385	0.26	4.703	12/15/2040
MML DYNAMIC BOND FUND	FIXED INCOME	SCHLUMBERGER HLDGS CORP	269,259.02	270,000	0.06	2.35	12/21/2018
MML DYNAMIC BOND FUND	FIXED INCOME	JP MORGAN CHASE COMMERCIAL MOR	271,338.12	5,353,685	0.06	1.13386	1/15/2049
MML DYNAMIC BOND FUND	FIXED INCOME	US TREASURY N/B	6,698,880.90	6,750,000	1.46	1.125	1/15/2019
MML DYNAMIC BOND FUND	FIXED INCOME	AMERICAN TOWER CORP	960,007.97	950,000	0.21	4.4	2/15/2026
MML DYNAMIC BOND FUND	FIXED INCOME	REPUBLIC OF CHILE	587,100.00	600,000	0.13	3.125	1/21/2026
MML DYNAMIC BOND FUND	FIXED INCOME	EXPORT IMPORT BK INDIA	394,738.80	400,000	0.09	3.125	7/20/2021
MML DYNAMIC BOND FUND	FIXED INCOME	ANHEUSER BUSCH INBEV FIN	269,627.73	250,000	0.06	4.9	2/1/2046
MML DYNAMIC BOND FUND	FIXED INCOME	CFCRE COMMERCIAL MORTGAGE TRUS	418,261.43	563,000	0.09	3.052	1/10/2048
MML DYNAMIC BOND FUND	FIXED INCOME	CFCRE COMMERCIAL MORTGAGE TRUS	382,617.72	5,771,868	0.08	1.0687	1/10/2048
MML DYNAMIC BOND FUND	FIXED INCOME	JPMBB COMMERCIAL MORTGAGE SECU	329,289.54	10,932,043	0.07	0.6714	7/15/2048
MML DYNAMIC BOND FUND	FIXED INCOME	ALLIANT HOLD / CO ISSUER	324,450.00	315,000	0.07	8.25	8/1/2023
MML DYNAMIC BOND FUND	FIXED INCOME	FED HM LN PC POOL G08658	3,858,423.85	3,939,366	0.84	3	8/1/2045
MML DYNAMIC BOND FUND	FIXED INCOME	US TREASURY N/B	9,831,501.68	10,010,000	2.15	2.875	8/15/2045
MML DYNAMIC BOND FUND	FIXED INCOME	KRONOS ACQUISITION HOLDI	304,000.00	320,000	0.07	9	8/15/2023
MML DYNAMIC BOND FUND	FIXED INCOME	BLUEMOUNTAIN CLO LTD	999,999.00	1,000,000	0.22	5.2947	10/20/2027
MML DYNAMIC BOND FUND	FIXED INCOME	WELLS FARGO COMMERCIAL MORTGAG	387,553.18	390,000	0.08	4.54206	9/15/2058
MML DYNAMIC BOND FUND	FIXED INCOME	SOPHIA LP/FIN INC	241,500.00	230,000	0.05	9	9/30/2023
MML DYNAMIC BOND FUND	FIXED INCOME	FIDELITY NATIONAL INFORM	420,212.91	415,000	0.09	3.625	10/15/2020
MML DYNAMIC BOND FUND	FIXED INCOME	GUANAY FINANCE LTD	449,070.24	440,117	0.10	6	12/15/2020
MML DYNAMIC BOND FUND	FIXED INCOME	TENET HEALTHCARE CORP	218,925.00	210,000	0.05	8.125	4/1/2022
MML DYNAMIC BOND FUND	FIXED INCOME	GRUPO IDESA SA DE CV	388,325.46	400,000	0.08	7.875	12/18/2020
MML DYNAMIC BOND FUND	FIXED INCOME	BANCO SANTANDER MEXICO	405,000.00	400,000	0.09	5.95	1/30/2024
MML DYNAMIC BOND FUND	FIXED INCOME	REPUBLIC OF PHILIPPINES	936,171.00	900,000	0.20	4.2	1/21/2024
MML DYNAMIC BOND FUND	FIXED INCOME	ORANGE SA	563,795.06	564,000	0.12	2.75	2/6/2019
MML DYNAMIC BOND FUND	FIXED INCOME	TAL ADVANTAGE LLC	403,589.63	407,067	0.09	3.51	2/22/2039
MML DYNAMIC BOND FUND	FIXED INCOME	PETROBRAS GLOBAL FINANCE	102,000.00	100,000	0.02	7.25	3/17/2044
MML DYNAMIC BOND FUND	FIXED INCOME	DIGICEL GROUP LTD	390,000.00	500,000	0.09	7.125	4/1/2022
MML DYNAMIC BOND FUND	FIXED INCOME	OVERSEA CHINESE BANKING	604,275.88	600,000	0.13	4	10/15/2024
MML DYNAMIC BOND FUND	FIXED INCOME	AEROPUERTO INTL TOCUMEN	821,270.76	776,615	0.18	5.75	10/9/2023
MML DYNAMIC BOND FUND	FIXED INCOME	TENCENT HOLDINGS LTD	603,305.99	600,000	0.13	3.375	5/2/2019
MML DYNAMIC BOND FUND	FIXED INCOME	FERMACA ENTERPRISES S RL	249,979.95	232,000	0.05	6.375	3/30/2038
MML DYNAMIC BOND FUND	FIXED INCOME	US TREASURY N/B	2,420,112.38	2,250,000	0.53	3.375	5/15/2044

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

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	WELLS FARGO COMMERCIAL MORTGAG	457,595.04	560,000	0.10	3.938	8/15/2050
MML DYNAMIC BOND FUND	FIXED INCOME	US TREASURY N/B	5,644,925.00	5,720,000	1.23	2	5/31/2021
MML DYNAMIC BOND FUND	FIXED INCOME	WF RBS COMMERCIAL MORTGAGE TRU	617,430.70	12,496,143	0.13	1.10934	8/15/2047
MML DYNAMIC BOND FUND	FIXED INCOME	GNL QUINTERO SA	252,812.50	250,000	0.06	4.634	7/31/2029
MML DYNAMIC BOND FUND	FIXED INCOME	SYNCHRONY FINANCIAL	553,326.61	555,000	0.12	3	8/15/2019
MML DYNAMIC BOND FUND	FIXED INCOME	BURLINGTN NORTH SANTA FE	544,047.06	505,000	0.12	4.55	9/1/2044
MML DYNAMIC BOND FUND	FIXED INCOME	AMERICAN ELECTRIC POWER	309,465.98	313,000	0.07	2.95	12/15/2022
MML DYNAMIC BOND FUND	FIXED INCOME	PHILLIPS 66	282,415.44	235,000	0.06	5.875	5/1/2042
MML DYNAMIC BOND FUND	FIXED INCOME	EXPORT IMPORT BK INDIA	199,967.00	200,000	0.04	4	1/14/2023
MML DYNAMIC BOND FUND	FIXED INCOME	UNIVERSAL HOSPITAL SERVI	332,475.00	330,000	0.07	7.625	8/15/2020
MML DYNAMIC BOND FUND	FIXED INCOME	FONDO MIVIVIENDA SA	147,000.00	150,000	0.03	3.5	1/31/2023
MML DYNAMIC BOND FUND	FIXED INCOME	FONDO MIVIVIENDA SA	196,000.00	200,000	0.04	3.5	1/31/2023
MML DYNAMIC BOND FUND	FIXED INCOME	BANCO RESERVAS REP DOMIN	209,000.00	200,000	0.05	7	2/1/2023
MML DYNAMIC BOND FUND	FIXED INCOME	BANCO DE CRED E INVER	201,665.21	200,000	0.04	4	2/11/2023
MML DYNAMIC BOND FUND	FIXED INCOME	TAL ADVANTAGE LLC	241,472.39	245,833	0.05	2.83	2/22/2038
MML DYNAMIC BOND FUND	FIXED INCOME	BHARTI AIRTEL INTERNATIO	406,952.00	400,000	0.09	5.125	3/11/2023
MML DYNAMIC BOND FUND	FIXED INCOME	TRANSPORT DE GAS PERU	198,750.00	200,000	0.04	4.25	4/30/2028
MML DYNAMIC BOND FUND	FIXED INCOME	INDIAN OIL CORP LTD	650,238.00	600,000	0.14	5.75	8/1/2023
MML DYNAMIC BOND FUND	FIXED INCOME	ANTHEM INC	424,634.62	425,000	0.09	2.3	7/15/2018
MML DYNAMIC BOND FUND	FIXED INCOME	US TREASURY N/B	4,589,517.45	4,100,000	1.00	3.625	8/15/2043
MML DYNAMIC BOND FUND	FIXED INCOME	BANCO DE COSTA RICA	200,990.00	200,000	0.04	5.25	8/12/2018
MML DYNAMIC BOND FUND	FIXED INCOME	SOUTHERN CO	819,084.71	820,000	0.18	2.45	9/1/2018
MML DYNAMIC BOND FUND	FIXED INCOME	UNITED MEXICAN STATES	102,400.00	100,000	0.02	4	10/2/2023
MML DYNAMIC BOND FUND	FIXED INCOME	MEG ENERGY CORP	165,000.00	200,000	0.04	7	3/31/2024
MML DYNAMIC BOND FUND	FIXED INCOME	EMBOTELLADORA ANDINA SA	630,871.76	600,000	0.14	5	10/1/2023
MML DYNAMIC BOND FUND	FIXED INCOME	NATIONAL RURAL UTIL COOP	354,917.57	360,000	0.08	2	1/27/2020
MML DYNAMIC BOND FUND	FIXED INCOME	MORGAN STANLEY BAML TRUST	172,737.09	175,000	0.04	3.249	2/15/2048
MML DYNAMIC BOND FUND	FIXED INCOME	CITIGROUP COMMERCIAL MORTGAGE	271,694.48	276,000	0.06	3.137	2/10/2048
MML DYNAMIC BOND FUND	FIXED INCOME	ONEMAIN FINANCIAL ISSUANCE TRU	2,413,560.83	2,407,682	0.53	3.19	3/18/2026
MML DYNAMIC BOND FUND	FIXED INCOME	MUFG AMERICAS HLDGS CORP	295,468.82	300,000	0.06	2.25	2/10/2020
MML DYNAMIC BOND FUND	FIXED INCOME	JPMBB COMMERCIAL MORTGAGE SECU	571,802.67	704,000	0.12	3.8443	2/15/2048
MML DYNAMIC BOND FUND	FIXED INCOME	PETSMART INC	113,500.00	200,000	0.02	7.125	3/15/2023
MML DYNAMIC BOND FUND	FIXED INCOME	SPRINGLEAF FUNDING TRUST	2,651,399.73	2,648,366	0.58	3.16	11/15/2024
MML DYNAMIC BOND FUND	FIXED INCOME	SANCHEZ ENERGY CORP	156,815.63	215,000	0.03	6.125	1/15/2023
MML DYNAMIC BOND FUND	FIXED INCOME	RIVERBED TECHNOLOGY INC	156,750.00	165,000	0.03	8.875	3/1/2023
MML DYNAMIC BOND FUND	FIXED INCOME	FED HM LN PC POOL G08632	3,087,301.12	3,067,292	0.67	3.5	3/1/2045
MML DYNAMIC BOND FUND	FIXED INCOME	PILGRIM S PRIDE CORP	320,466.30	330,000	0.07	5.75	3/15/2025
MML DYNAMIC BOND FUND	FIXED INCOME	FNMA POOL MA2248	2,645,074.00	2,720,526	0.58	3	4/1/2045
MML DYNAMIC BOND FUND	FIXED INCOME	ZIMMER BIOMET HOLDINGS	563,811.43	570,000	0.12	2.7	4/1/2020
MML DYNAMIC BOND FUND	FIXED INCOME	PETRONAS CAPITAL LTD	789,928.00	800,000	0.17	3.5	3/18/2025
MML DYNAMIC BOND FUND	FIXED INCOME	COMM MORTGAGE TRUST	541,608.93	650,000	0.12	4.1223	3/10/2048
MML DYNAMIC BOND FUND	FIXED INCOME	ALLY FINANCIAL INC	557,081.25	555,000	0.12	4.125	3/30/2020
MML DYNAMIC BOND FUND	FIXED INCOME	JPMBB COMMERCIAL MORTGAGE SECU	420,444.81	8,717,730	0.09	1.16036	10/15/2048
MML DYNAMIC BOND FUND	FIXED INCOME	MALAYSIA SOVEREIGN SUKUK	489,700.00	500,000	0.11	3.043	4/22/2025
MML DYNAMIC BOND FUND	FIXED INCOME	SYDNEY AIRPORT FINANCE	291,876.01	300,000	0.06	3.375	4/30/2025
MML DYNAMIC BOND FUND	FIXED INCOME	ORACLE CORP	544,365.57	540,000	0.12	4.125	5/15/2045
MML DYNAMIC BOND FUND	FIXED INCOME	CNOOC FINANCE 2015 US	579,547.20	600,000	0.13	3.5	5/5/2025
MML DYNAMIC BOND FUND	FIXED INCOME	BANCO LATINOAMERICANO SA	149,062.50	150,000	0.03	3.25	5/7/2020
MML DYNAMIC BOND FUND	FIXED INCOME	ESH HOSPITALITY INC	316,160.00	325,000	0.07	5.25	5/1/2025
MML DYNAMIC BOND FUND	FIXED INCOME	BLUEMOUNTAIN CLO LTD	1,003,633.00	1,000,000	0.22	5.28408	7/18/2027
MML DYNAMIC BOND FUND	FIXED INCOME	RBSSP RESECURITIZATION TRUST	1,103,903.53	1,329,765	0.24	6.499998	10/26/2037
MML DYNAMIC BOND FUND	FIXED INCOME	XCEL ENERGY INC	981,482.58	1,000,000	0.21	3.3	6/1/2025

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

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	CREDIT SUISSE MORTGAGE TRUST	4,628,349.55	4,626,454	1.01	3.75	12/25/2056
MML DYNAMIC BOND FUND	FIXED INCOME	GOVERNMENT NATIONAL MORTGAGE A	3,075,393.77	3,162,384	0.67	3.5	5/20/2045
MML DYNAMIC BOND FUND	FIXED INCOME	TOWD POINT MORTGAGE TRUST	3,289,648.07	3,344,441	0.72	2.5	11/25/2060
MML DYNAMIC BOND FUND	FIXED INCOME	WASHINGTON MUTUAL MORTGAGE PAS	1,260,627.52	1,505,655	0.28	6.35	5/25/2036
MML DYNAMIC BOND FUND	FIXED INCOME	GOLDENTREE LOAN OPPORTUNITIES	1,004,170.00	1,000,000	0.22	5.0947	7/20/2027
MML DYNAMIC BOND FUND	FIXED INCOME	BHARTI AIRTEL LTD	484,506.33	500,000	0.11	4.375	6/10/2025
MML DYNAMIC BOND FUND	FIXED INCOME	JPMBB COMMERCIAL MORTGAGE SECU	397,895.06	12,144,202	0.09	0.92089	5/15/2048
MML DYNAMIC BOND FUND	FIXED INCOME	MORGAN STANLEY BAML TRUST	625,394.64	650,000	0.14	4.1339	7/15/2050
MML DYNAMIC BOND FUND	FIXED INCOME	REYNOLDS AMERICAN INC	554,432.88	545,000	0.12	4	6/12/2022
MML DYNAMIC BOND FUND	FIXED INCOME	LIMA METRO LINE 2 FIN LT	774,375.00	750,000	0.17	5.875	7/5/2034
MML DYNAMIC BOND FUND	FIXED INCOME	ENERGY TRANSFER PARTNERS	475,216.35	470,000	0.10	4.75	1/15/2026
MML DYNAMIC BOND FUND	FIXED INCOME	FREDDIE MAC	6,601,956.23	6,696,834	1.44	3	6/15/2044
MML DYNAMIC BOND FUND	FIXED INCOME	FREDDIE MAC	7,116,521.37	7,214,186	1.55	3	12/15/2042
MML DYNAMIC BOND FUND	FIXED INCOME	GOVERNMENT NATIONAL MORTGAGE A	4,904,215.19	5,031,831	1.07	3.5	6/20/2045
MML DYNAMIC BOND FUND	FIXED INCOME	WELLS FARGO COMMERCIAL MORTGAG	463,437.95	12,724,785	0.10	0.76859	7/15/2058
MML DYNAMIC BOND FUND	FIXED INCOME	LCM LTD PARTNERSHIP	1,002,789.00	1,000,000	0.22	5.17152	7/15/2027
MML DYNAMIC BOND FUND	FIXED INCOME	JPMBB COMMERCIAL MORTGAGE SECU	615,435.77	610,000	0.13	4.30794	7/15/2048
MML DYNAMIC BOND FUND	FIXED INCOME	ABBVIE INC	567,170.57	550,000	0.12	4.7	5/14/2045
MML DYNAMIC BOND FUND	FIXED INCOME	ONEMAIN FINANCIAL ISSUANCE TRU	53,979.58	54,092	0.01	2.57	7/18/2025
MML DYNAMIC BOND FUND	FIXED INCOME	BLUEMOUNTAIN CLO LTD	1,003,342.00	1,000,000	0.22	4.43408	7/18/2027
MML DYNAMIC BOND FUND	FIXED INCOME	COMM MORTGAGE TRUST	385,981.38	738,000	0.08	4.5749	10/15/2045
MML DYNAMIC BOND FUND	FIXED INCOME	HUTCH WHAMPOA INT 12 II	297,541.71	300,000	0.06	3.25	11/8/2022
MML DYNAMIC BOND FUND	FIXED INCOME	ENA NORTE TRUST	147,576.05	144,117	0.03	4.95	4/25/2028
MML DYNAMIC BOND FUND	FIXED INCOME	TELEFONICA CHILE SA	199,903.89	200,000	0.04	3.875	10/12/2022
MML DYNAMIC BOND FUND	FIXED INCOME	BHARAT PETROLEUM CORP LT	206,540.00	200,000	0.05	4.625	10/25/2022
MML DYNAMIC BOND FUND	FIXED INCOME	REPUBLIC OF CHILE	143,700.00	150,000	0.03	2.25	10/30/2022
MML DYNAMIC BOND FUND	FIXED INCOME	US TREASURY N/B	4,657,632.81	4,825,000	1.02	2.75	11/15/2042
MML DYNAMIC BOND FUND	CASH	US DOLLAR	7,395.07	7,395	0.00	0	
MML DYNAMIC BOND FUND	FIXED INCOME	SPRINT CAPITAL CORP	74,600.00	80,000	0.02	6.875	11/15/2028
MML DYNAMIC BOND FUND	FIXED INCOME	FORD MOTOR COMPANY	587,631.52	485,000	0.13	7.45	7/16/2031
MML DYNAMIC BOND FUND	FIXED INCOME	MORGAN STANLEY MORTGAGE LOAN T	697,020.50	749,894	0.15	3.56222	7/25/2035
MML DYNAMIC BOND FUND	FIXED INCOME	COUNTRYWIDE ALTERNATIVE LOAN T	2,279,960.10	2,574,546	0.50	6	8/25/2036
MML DYNAMIC BOND FUND	FIXED INCOME	HARBORVIEW MORTGAGE LOAN TRUST	1,482,704.64	1,689,753	0.32	1.9782	12/19/2036
MML DYNAMIC BOND FUND	FIXED INCOME	CITIMORTGAGE ALTERNATIVE LOAN	3,284,563.40	3,389,468	0.72	5.5	4/25/2036
MML DYNAMIC BOND FUND	FIXED INCOME	COUNTRYWIDE ALTERNATIVE LOAN T	3,239,209.63	4,508,444	0.71	6.25	12/25/2036
MML DYNAMIC BOND FUND	FIXED INCOME	AMERICAN WATER CAPITAL C	500,903.45	500,000	0.11	3.4	3/1/2025
MML DYNAMIC BOND FUND	EQUITY	DOUBLELINE FLOATING RATE FUND	13,752,356.21	1,383,537	3.00	0	
MML DYNAMIC BOND FUND	FIXED INCOME	REPUBLIC OF PANAMA	205,300.00	200,000	0.04	4	9/22/2024
MML DYNAMIC BOND FUND	FIXED INCOME	ITAU CORPBANCA	604,590.16	600,000	0.13	3.875	9/22/2019
MML DYNAMIC BOND FUND	FIXED INCOME	CLI FUNDING LLC	446,408.44	450,878	0.10	3.38	10/18/2029
MML DYNAMIC BOND FUND	FIXED INCOME	FNMA POOL AX2501	2,421,961.21	2,359,472	0.53	4	10/1/2044
MML DYNAMIC BOND FUND	FIXED INCOME	VERIZON COMMUNICATIONS	557,995.02	565,000	0.12	4.4	11/1/2034
MML DYNAMIC BOND FUND	FIXED INCOME	NUVEEN FINANCE LLC	538,844.60	540,000	0.12	2.95	11/1/2019
MML DYNAMIC BOND FUND	FIXED INCOME	GLOBAL BANK CORPORATION	713,090.00	700,000	0.16	5.125	10/30/2019
MML DYNAMIC BOND FUND	FIXED INCOME	GEORGIA PACIFIC LLC	608,635.08	605,000	0.13	3.6	3/1/2025
MML DYNAMIC BOND FUND	FIXED INCOME	JPMBB COMMERCIAL MORTGAGE SECU	226,014.15	5,098,757	0.05	0.96206	11/15/2047
MML DYNAMIC BOND FUND	FIXED INCOME	SPRINT CORP	160,875.00	165,000	0.04	7.125	6/15/2024
MML DYNAMIC BOND FUND	FIXED INCOME	DUKE ENERGY PROGRESS INC	482,543.17	470,000	0.11	4.15	12/1/2044
MML DYNAMIC BOND FUND	FIXED INCOME	GS MORTGAGE SECURITIES TRUST	1,249,627.98	1,450,000	0.27	4.51012	11/10/2047
MML DYNAMIC BOND FUND	FIXED INCOME	REPUBLIC OF CHILE	588,000.00	600,000	0.13	3.125	3/27/2025
MML DYNAMIC BOND FUND	FIXED INCOME	AIR LEASE CORP	590,210.72	585,000	0.13	3.75	2/1/2022
MML DYNAMIC BOND FUND	FIXED INCOME	COSAN OVERSEAS LTD	505,250.00	500,000	0.11	8.25	11/29/2049

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

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	BOSTON PROPERTIES LP	533,367.52	520,000	0.12	4.125	5/15/2021
MML DYNAMIC BOND FUND	FIXED INCOME	ENGIE ENERGIA CHILE SA	105,294.88	100,000	0.02	5.625	1/15/2021
MML DYNAMIC BOND FUND	FIXED INCOME	AUST + NZ BANKING GROUP	565,064.16	540,000	0.12	4.875	1/12/2021
MML DYNAMIC BOND FUND	FIXED INCOME	CNOOC FINANCE 2011 LTD	204,778.00	200,000	0.04	4.25	1/26/2021
MML DYNAMIC BOND FUND	FIXED INCOME	SINGTEL GROUP TREASURY P	208,995.80	200,000	0.05	4.5	9/8/2021
MML DYNAMIC BOND FUND	FIXED INCOME	CNPC HK OVERSEAS CAPITAL	724,645.63	700,000	0.16	4.5	4/28/2021
MML DYNAMIC BOND FUND	FIXED INCOME	REPUBLIC OF INDONESIA	729,965.60	700,000	0.16	4.875	5/5/2021
MML DYNAMIC BOND FUND	FIXED INCOME	INTELSAT JACKSON HLDG	212,750.00	230,000	0.05	7.25	10/15/2020
MML DYNAMIC BOND FUND	FIXED INCOME	STATE OF ISRAEL	413,584.80	400,000	0.09	4	6/30/2022
MML DYNAMIC BOND FUND	FIXED INCOME	BANCO DEL ESTADO CHILE	151,225.37	150,000	0.03	3.875	2/8/2022
MML DYNAMIC BOND FUND	FIXED INCOME	RELIANCE HOLDINGS USA	633,984.30	600,000	0.14	5.4	2/14/2022
MML DYNAMIC BOND FUND	FIXED INCOME	KROGER CO	666,477.45	670,000	0.15	3.4	4/15/2022
MML DYNAMIC BOND FUND	FIXED INCOME	INVERSIONES CMPC CI	205,109.30	200,000	0.04	4.5	4/25/2022
MML DYNAMIC BOND FUND	FIXED INCOME	LIBERTY MUTUAL GROUP INC	918,860.10	730,000	0.20	6.5	5/1/2042
MML DYNAMIC BOND FUND	FIXED INCOME	TEMASEK FINANCIAL I LTD	726,645.91	750,000	0.16	2.375	1/23/2023
MML DYNAMIC BOND FUND	FIXED INCOME	CELULOSA ARAUCO CONSTITU	206,411.91	200,000	0.05	4.75	1/11/2022
MML DYNAMIC BOND FUND	FIXED INCOME	SP POWERASSETS LTD	686,042.70	700,000	0.15	2.7	9/14/2022
MML DYNAMIC BOND FUND	FIXED INCOME	BANCO SANTANDER CHILE	151,165.03	150,000	0.03	3.875	9/20/2022
MML DYNAMIC BOND FUND	FIXED INCOME	WACHOVIA BANK COMMERCIAL MORTG	307,276.61	303,820	0.07	5.632	10/15/2048
MML DYNAMIC BOND FUND	FIXED INCOME	JP MORGAN CHASE COMMERCIAL MOR	221,183.05	221,430	0.05	5.464	1/15/2049
MML DYNAMIC BOND FUND	FIXED INCOME	INDYMAC INDX MORTGAGE LOAN TRU	3,104,357.73	3,404,954	0.68	3.49115	5/25/2037
MML DYNAMIC BOND FUND	FIXED INCOME	COUNTRYWIDE HOME LOANS	1,832,651.95	2,030,378	0.40	3.44971	2/25/2047
MML DYNAMIC BOND FUND	FIXED INCOME	WACHOVIA BANK COMMERCIAL MORTG	288,336.11	285,444	0.06	5.413	12/15/2043
MML DYNAMIC BOND FUND	FIXED INCOME	INTEROCEANICA IV FINANCE	869,455.89	1,022,889	0.19	0.01	11/30/2025
MML DYNAMIC BOND FUND	FIXED INCOME	MORGAN STANLEY CAPITAL I TRUST	172,982.85	173,163	0.04	5.508	2/12/2044
MML DYNAMIC BOND FUND	FIXED INCOME	KINDER MORGAN ENER PART	687,146.43	570,000	0.15	6.95	1/15/2038
MML DYNAMIC BOND FUND	FIXED INCOME	COUNTRYWIDE HOME LOANS	1,870,775.17	2,111,073	0.41	6	9/25/2037
MML DYNAMIC BOND FUND	FIXED INCOME	GSAA HOME EQUITY TRUST	3,912,151.00	4,963,903	0.85	6.5	11/25/2037
MML DYNAMIC BOND FUND	FIXED INCOME	RESIDENTIAL FUNDING MTG SEC I	560,577.03	600,386	0.12	6	4/25/2037
MML DYNAMIC BOND FUND	FIXED INCOME	LEHMAN XS TRUST	3,742,309.26	4,155,880	0.82	1.8207	7/25/2047
MML DYNAMIC BOND FUND	FIXED INCOME	CREDIT SUISSE MORTGAGE TRUST	123,142.38	123,034	0.03	6.19907	2/15/2041
MML DYNAMIC BOND FUND	FIXED INCOME	STRUCTURED ADJUSTABLE RATE MOR	1,826,641.12	1,892,977	0.40	3.60247	10/25/2037
MML DYNAMIC BOND FUND	FIXED INCOME	BOEING CO	570,954.14	405,000	0.12	6.875	3/15/2039
MML DYNAMIC BOND FUND	FIXED INCOME	COUNTRYWIDE ALTERNATIVE LOAN T	2,169,605.41	2,674,476	0.47	6	5/25/2036
MML DYNAMIC BOND FUND	FIXED INCOME	MERRILL LYNCH MORTGAGE INVESTO	2,701,958.42	2,836,312	0.59	2.0215	8/25/2037
MML DYNAMIC BOND FUND	FIXED INCOME	ECOPETROL SA	633,900.00	600,000	0.14	7.625	7/23/2019
MML DYNAMIC BOND FUND	FIXED INCOME	BANCOLOMBIA SA	105,750.00	100,000	0.02	6.125	7/26/2020
MML DYNAMIC BOND FUND	FIXED INCOME	NOMURA ASSET ACCEPTANCE CORPOR	2,811,976.40	3,341,898	0.61	3.72561	2/25/2036
MML DYNAMIC BOND FUND	FIXED INCOME	PSA INTERNATIONAL PTE LT	102,807.90	100,000	0.02	3.875	2/11/2021
MML DYNAMIC BOND FUND	FIXED INCOME	FRONTIER COMMUNICATIONS	85,531.25	85,000	0.02	8.5	4/15/2020
MML DYNAMIC BOND FUND	FIXED INCOME	AMERICA MOVIL SAB DE CV	103,210.70	100,000	0.02	5	3/30/2020
MML DYNAMIC BOND FUND	FIXED INCOME	BANCO DE CREDITO DEL PER	209,686.00	200,000	0.05	5.375	9/16/2020
MML DYNAMIC BOND FUND	FIXED INCOME	REPUBLIC OF PHILIPPINES	204,620.60	200,000	0.04	4	1/15/2021
MML DYNAMIC BOND FUND	FIXED INCOME	BANCO DEL ESTADO CHILE	203,780.48	200,000	0.04	4.125	10/7/2020
MML DYNAMIC BOND FUND	FIXED INCOME	BANCO INTL DEL PERU/PANA	733,250.00	700,000	0.16	5.75	10/7/2020
MML EQUITY ROTATION FUND	EQUITY	AMGEN INC	356,303.20	2,090	1.15	0	
MML EQUITY ROTATION FUND	EQUITY	CISCO SYSTEMS INC	257,340.00	6,000	0.83	0	
MML EQUITY ROTATION FUND	EQUITY	EXXON MOBIL CORP	290,979.00	3,900	0.94	0	
MML EQUITY ROTATION FUND	EQUITY	MICROSOFT CORP	82,143.00	900	0.26	0	
MML EQUITY ROTATION FUND	EQUITY	MICRON TECHNOLOGY INC	432,762.00	8,300	1.40	0	
MML EQUITY ROTATION FUND	EQUITY	MORGAN STANLEY	302,176.00	5,600	0.97	0	
MML EQUITY ROTATION FUND	EQUITY	OMNICOM GROUP	443,287.00	6,100	1.43	0	

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML EQUITY ROTATION FUND	EQUITY	PFIZER INC	28,392.00	800	0.09		0
MML EQUITY ROTATION FUND	EQUITY	PRAXAIR INC	28,860.00	200	0.09		0
MML EQUITY ROTATION FUND	EQUITY	PNC FINANCIAL SERVICES GROUP	768,299.20	5,080	2.48		0
MML EQUITY ROTATION FUND	EQUITY	TORCHMARK CORP	58,919.00	700	0.19		0
MML EQUITY ROTATION FUND	EQUITY	BANK OF AMERICA CORP	473,842.00	15,800	1.53		0
MML EQUITY ROTATION FUND	EQUITY	TECK RESOURCES LTD CLS B	211,232.00	8,200	0.68		0
MML EQUITY ROTATION FUND	EQUITY	INTUIT INC	235,756.00	1,360	0.76		0
MML EQUITY ROTATION FUND	EQUITY	MAGNA INTERNATIONAL INC	298,655.00	5,300	0.96		0
MML EQUITY ROTATION FUND	EQUITY	FIFTH THIRD BANCORP	774,700.00	24,400	2.50		0
MML EQUITY ROTATION FUND	EQUITY	COMERICA INC	805,812.00	8,400	2.60		0
MML EQUITY ROTATION FUND	EQUITY	TCF FINANCIAL CORP	399,175.00	17,500	1.29		0
MML EQUITY ROTATION FUND	EQUITY	LEGG MASON INC	117,885.00	2,900	0.38		0
MML EQUITY ROTATION FUND	EQUITY	AMAZON.COM INC	1,143,398.60	790	3.69		0
MML EQUITY ROTATION FUND	EQUITY	MCKESSON CORP	156,365.70	1,110	0.50		0
MML EQUITY ROTATION FUND	EQUITY	APACHE CORP	15,392.00	400	0.05		0
MML EQUITY ROTATION FUND	EQUITY	ARCHER DANIELS MIDLAND CO	481,407.00	11,100	1.55		0
MML EQUITY ROTATION FUND	EQUITY	DEVON ENERGY CORP	190,740.00	6,000	0.62		0
MML EQUITY ROTATION FUND	EQUITY	EASTMAN CHEMICAL CO	31,674.00	300	0.10		0
MML EQUITY ROTATION FUND	EQUITY	GOODYEAR TIRE + RUBBER CO	127,584.00	4,800	0.41		0
MML EQUITY ROTATION FUND	EQUITY	LOCKHEED MARTIN CORP	618,411.90	1,830	1.99		0
MML EQUITY ROTATION FUND	EQUITY	OCCIDENTAL PETROLEUM CORP	175,392.00	2,700	0.57		0
MML EQUITY ROTATION FUND	EQUITY	PULTEGROUP INC	303,747.00	10,300	0.98		0
MML EQUITY ROTATION FUND	EQUITY	RELIANCE STEEL + ALUMINUM	180,054.00	2,100	0.58		0
MML EQUITY ROTATION FUND	EQUITY	TOLL BROTHERS INC	276,800.00	6,400	0.89		0
MML EQUITY ROTATION FUND	EQUITY	TE CONNECTIVITY LTD	589,410.00	5,900	1.90		0
MML EQUITY ROTATION FUND	EQUITY	JOHNSON + JOHNSON	38,445.00	300	0.12		0
MML EQUITY ROTATION FUND	EQUITY	STATE STREET CORP	309,163.00	3,100	1.00		0
MML EQUITY ROTATION FUND	EQUITY	DEERE + CO	776,600.00	5,000	2.50		0
MML EQUITY ROTATION FUND	EQUITY	ZIONS BANCORPORATION	168,736.00	3,200	0.54		0
MML EQUITY ROTATION FUND	EQUITY	GOLDMAN SACHS GROUP INC	481,052.60	1,910	1.55		0
MML EQUITY ROTATION FUND	EQUITY	CHECK POINT SOFTWARE TECH	139,076.00	1,400	0.45		0
MML EQUITY ROTATION FUND	EQUITY	CORNING INC	379,168.00	13,600	1.22		0
MML EQUITY ROTATION FUND	EQUITY	VERISIGN INC	225,264.00	1,900	0.73		0
MML EQUITY ROTATION FUND	EQUITY	AFLAC INC	157,536.00	3,600	0.51		0
MML EQUITY ROTATION FUND	EQUITY	MANPOWERGROUP INC	264,730.00	2,300	0.85		0
MML EQUITY ROTATION FUND	EQUITY	SONY CORP SPONSORED ADR	174,024.00	3,600	0.56		0
MML EQUITY ROTATION FUND	EQUITY	QUANTA SERVICES INC	185,490.00	5,400	0.60		0
MML EQUITY ROTATION FUND	EQUITY	AETNA INC	292,370.00	1,730	0.94		0
MML EQUITY ROTATION FUND	EQUITY	JPMORGAN CHASE + CO	791,784.00	7,200	2.55		0
MML EQUITY ROTATION FUND	EQUITY	CHEVRON CORP	891,792.80	7,820	2.88		0
MML EQUITY ROTATION FUND	EQUITY	3M CO	87,808.00	400	0.28		0
MML EQUITY ROTATION FUND	EQUITY	SKYWORKS SOLUTIONS INC	200,520.00	2,000	0.65		0
MML EQUITY ROTATION FUND	EQUITY	BIOGEN INC	186,197.60	680	0.60		0
MML EQUITY ROTATION FUND	EQUITY	DOMINO S PIZZA INC	205,532.80	880	0.66		0
MML EQUITY ROTATION FUND	EQUITY	WESTLAKE CHEMICAL CORP	411,255.00	3,700	1.33		0
MML EQUITY ROTATION FUND	EQUITY	HUNTSMAN CORP	737,100.00	25,200	2.38		0
MML EQUITY ROTATION FUND	EQUITY	VIACOM INC CLASS B	248,480.00	8,000	0.80		0
MML EQUITY ROTATION FUND	EQUITY	FIDELITY NATIONAL INFO SERV	96,300.00	1,000	0.31		0
MML EQUITY ROTATION FUND	EQUITY	WESTERN UNION CO	163,455.00	8,500	0.53		0
MML EQUITY ROTATION FUND	EQUITY	SPIRIT AEROSYSTEMS HOLD CL A	209,250.00	2,500	0.67		0
MML EQUITY ROTATION FUND	EQUITY	AERCAP HOLDINGS NV	101,440.00	2,000	0.33		0
MML EQUITY ROTATION FUND	EQUITY	TRAVELERS COS INC/THE	27,772.00	200	0.09		0

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML EQUITY ROTATION FUND	EQUITY	DELTA AIR LINES INC	202,797.00	3,700	0.65		0
MML EQUITY ROTATION FUND	EQUITY	CONCHO RESOURCES INC	150,330.00	1,000	0.48		0
MML EQUITY ROTATION FUND	EQUITY	DANA INC	206,080.00	8,000	0.66		0
MML EQUITY ROTATION FUND	EQUITY	VISA INC CLASS A SHARES	71,772.00	600	0.23		0
MML EQUITY ROTATION FUND	EQUITY	NETAPP INC	635,407.00	10,300	2.05		0
MML EQUITY ROTATION FUND	EQUITY	DISCOVERY INC A	229,301.00	10,700	0.74		0
MML EQUITY ROTATION FUND	EQUITY	DISCOVERY INC C	53,699.52	2,751	0.17		0
MML EQUITY ROTATION FUND	EQUITY	MERCK + CO. INC.	266,903.00	4,900	0.86		0
MML EQUITY ROTATION FUND	EQUITY	LEAR CORP	277,274.10	1,490	0.89		0
MML EQUITY ROTATION FUND	EQUITY	BERKSHIRE HATHAWAY INC CL B	758,024.00	3,800	2.44		0
MML EQUITY ROTATION FUND	EQUITY	SEAGATE TECHNOLOGY	298,452.00	5,100	0.96		0
MML EQUITY ROTATION FUND	EQUITY	NXP SEMICONDUCTORS NV	69,030.00	590	0.22		0
MML EQUITY ROTATION FUND	EQUITY	GENERAL MOTORS CO	247,112.00	6,800	0.80		0
MML EQUITY ROTATION FUND	CASH	US DOLLAR	1,578.82	1,579	0.01		0
MML EQUITY ROTATION FUND	EQUITY	NUCOR CORP	293,232.00	4,800	0.95		0
MML EQUITY ROTATION FUND	EQUITY	TORO CO	149,880.00	2,400	0.48		0
MML EQUITY ROTATION FUND	EQUITY	APPLIED MATERIALS INC	561,661.00	10,100	1.81		0
MML EQUITY ROTATION FUND	EQUITY	CELGENE CORP	137,383.40	1,540	0.44		0
MML EQUITY ROTATION FUND	EQUITY	REGAL BELOIT CORP	374,085.00	5,100	1.21		0
MML EQUITY ROTATION FUND	EQUITY	S + T BANCORP INC	180,289.16	4,514	0.58		0
MML EQUITY ROTATION FUND	EQUITY	BOFI HOLDING INC	210,756.00	5,200	0.68		0
MML EQUITY ROTATION FUND	EQUITY	CITIGROUP INC	789,750.00	11,700	2.55		0
MML EQUITY ROTATION FUND	EQUITY	MARATHON PETROLEUM CORP	190,086.00	2,600	0.61		0
MML EQUITY ROTATION FUND	EQUITY	ROWAN COMPANIES PLC A	80,780.00	7,000	0.26		0
MML EQUITY ROTATION FUND	EQUITY	WORKDAY INC CLASS A	133,465.50	1,050	0.43		0
MML EQUITY ROTATION FUND	EQUITY	ASML HOLDING NV NY REG SHS	160,833.60	810	0.52		0
MML EQUITY ROTATION FUND	EQUITY	EATON CORP PLC	567,361.00	7,100	1.83		0
MML EQUITY ROTATION FUND	EQUITY	ABBVIE INC	151,440.00	1,600	0.49		0
MML EQUITY ROTATION FUND	EQUITY	NEWS CORP CLASS A	37,920.00	2,400	0.12		0
MML EQUITY ROTATION FUND	EQUITY	LEIDOS HOLDINGS INC	137,340.00	2,100	0.44		0
MML EQUITY ROTATION FUND	EQUITY	ALIBABA GROUP HOLDING SP ADR	275,310.00	1,500	0.89		0
MML EQUITY ROTATION FUND	EQUITY	CITIZENS FINANCIAL GROUP	138,534.00	3,300	0.45		0
MML EQUITY ROTATION FUND	EQUITY	ZAYO GROUP HOLDINGS INC	133,224.00	3,900	0.43		0
MML EQUITY ROTATION FUND	EQUITY	BWX TECHNOLOGIES INC	177,884.00	2,800	0.57		0
MML EQUITY ROTATION FUND	EQUITY	TEGNA INC	113,900.00	10,000	0.37		0
MML EQUITY ROTATION FUND	EQUITY	ALPHABET INC CL C	51,589.50	50	0.17		0
MML EQUITY ROTATION FUND	EQUITY	ALPHABET INC CL A	290,399.20	280	0.94		0
MML EQUITY ROTATION FUND	EQUITY	PURE STORAGE INC CLASS A	73,815.00	3,700	0.24		0
MML EQUITY ROTATION FUND	EQUITY	BROADCOM LTD	117,825.00	500	0.38		0
MML EQUITY ROTATION FUND	EQUITY	ALCOA CORP	139,376.00	3,100	0.45		0
MML EQUITY ROTATION FUND	EQUITY	OKTA INC	47,820.00	1,200	0.15		0
MML EQUITY ROTATION FUND	EQUITY	ARCELORMITTAL NY REGISTERED	497,285.73	15,633	1.60		0
MML EQUITY ROTATION FUND	EQUITY	ANDEAVOR	291,624.00	2,900	0.94		0
MML EQUITY ROTATION FUND	EQUITY	WORLDPAY INC CLASS A	583,904.00	7,100	1.88		0
MML EQUITY ROTATION FUND	CASH EQUIVALENT	FIXED INC CLEARING CORP.REPO	1,242,662.29	1,242,662	4.01	0.74	4/2/2018
MML EQUITY ROTATION FUND	EQUITY	KAISER ALUMINUM CORP	161,440.00	1,600	0.52		0
MML EQUITY ROTATION FUND	EQUITY	UNION PACIFIC CORP	26,886.00	200	0.09		0
MML EQUITY ROTATION FUND	EQUITY	CADENCE DESIGN SYS INC	415,501.00	11,300	1.34		0
MML SPECIAL SITUATIONS FUND	EQUITY	INGEVITY CORP	928,494.00	12,600	3.75		0
MML SPECIAL SITUATIONS FUND	EQUITY	LIBERTY MEDIA COR SIRIUSXM A	230,160.00	5,600	0.93		0
MML SPECIAL SITUATIONS FUND	EQUITY	ADVANSIX INC	333,888.00	9,600	1.35		0
MML SPECIAL SITUATIONS FUND	EQUITY	VERSUM MATERIALS INC	255,884.00	6,800	1.03		0

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML SPECIAL SITUATIONS FUND	EQUITY	LAMB WESTON HOLDINGS INC	683,095.26	11,733	2.76		0
MML SPECIAL SITUATIONS FUND	EQUITY	ALCOA CORP	364,176.00	8,100	1.47		0
MML SPECIAL SITUATIONS FUND	EQUITY	LIBERTY EXPEDIA HOLD A	53,420.80	1,360	0.22		0
MML SPECIAL SITUATIONS FUND	EQUITY	HILTON GRAND VACATIONS INC	537,750.00	12,500	2.17		0
MML SPECIAL SITUATIONS FUND	EQUITY	VAREX IMAGING CORP	268,350.00	7,500	1.08		0
MML SPECIAL SITUATIONS FUND	EQUITY	DXC TECHNOLOGY CO	389,453.22	3,874	1.57		0
MML SPECIAL SITUATIONS FUND	EQUITY	VENATOR MATERIALS PLC	195,372.00	10,800	0.79		0
MML SPECIAL SITUATIONS FUND	EQUITY	APTIV PLC	397,574.63	4,679	1.61		0
MML SPECIAL SITUATIONS FUND	EQUITY	LIBERTY LATIN AMERIC CL A	622,400.00	32,000	2.52		0
MML SPECIAL SITUATIONS FUND	EQUITY	GCI LIBERTY INC CLASS A	181,838.40	3,440	0.73		0
MML SPECIAL SITUATIONS FUND	CASH EQUIVALENT	FIXED INC CLEARING CORP.REPO	396,204.64	396,205	1.60	0.74	4/2/2018
MML SPECIAL SITUATIONS FUND	EQUITY	ONE GAS INC	481,946.00	7,300	1.95		0
MML SPECIAL SITUATIONS FUND	EQUITY	FORTIVE CORP	1,434,120.00	18,500	5.80		0
MML SPECIAL SITUATIONS FUND	EQUITY	J ALEXANDER S HOLDINGS	131,675.00	11,500	0.53		0
MML SPECIAL SITUATIONS FUND	EQUITY	FOUR CORNERS PROPERTY TRUST	237,827.00	10,300	0.96		0
MML SPECIAL SITUATIONS FUND	EQUITY	LIBERTY MEDIA CORP LIBERTY C	163,505.00	5,300	0.66		0
MML SPECIAL SITUATIONS FUND	EQUITY	HALYARD HEALTH INC	281,088.00	6,100	1.14		0
MML SPECIAL SITUATIONS FUND	EQUITY	KLX INC	639,540.00	9,000	2.58		0
MML SPECIAL SITUATIONS FUND	EQUITY	CABLE ONE INC	343,555.00	500	1.39		0
MML SPECIAL SITUATIONS FUND	EQUITY	LUMENTUM HOLDINGS INC	287,100.00	4,500	1.16		0
MML SPECIAL SITUATIONS FUND	EQUITY	WEST PHARMACEUTICAL SERVICES	273,699.00	3,100	1.11		0
MML SPECIAL SITUATIONS FUND	EQUITY	OSHKOSH CORP	734,065.00	9,500	2.97		0
MML SPECIAL SITUATIONS FUND	CASH	US DOLLAR	322.00	322	0.00		0
MML SPECIAL SITUATIONS FUND	EQUITY	AVERY DENNISON CORP	255,000.00	2,400	1.03		0
MML SPECIAL SITUATIONS FUND	EQUITY	DANAHER CORP	342,685.00	3,500	1.38		0
MML SPECIAL SITUATIONS FUND	EQUITY	POAGE BANKSHARES INC	102,600.00	5,400	0.41		0
MML SPECIAL SITUATIONS FUND	EQUITY	ABBVIE INC	596,295.00	6,300	2.41		0
MML SPECIAL SITUATIONS FUND	EQUITY	ZOETIS INC	1,645,147.00	19,700	6.65		0
MML SPECIAL SITUATIONS FUND	EQUITY	NEWS CORP CLASS A	91,640.00	5,800	0.37		0
MML SPECIAL SITUATIONS FUND	EQUITY	MURPHY USA INC	364,000.00	5,000	1.47		0
MML SPECIAL SITUATIONS FUND	EQUITY	GAMING AND LEISURE PROPRTIE	465,233.00	13,900	1.88		0
MML SPECIAL SITUATIONS FUND	EQUITY	ALLEGION PLC	724,965.00	8,500	2.93		0
MML SPECIAL SITUATIONS FUND	EQUITY	PENTAIR PLC	159,424.20	2,340	0.64		0
MML SPECIAL SITUATIONS FUND	EQUITY	TRINSEO SA	614,615.00	8,300	2.48		0
MML SPECIAL SITUATIONS FUND	EQUITY	RAYONIER ADVANCED MATERIALS	98,762.00	4,600	0.40		0
MML SPECIAL SITUATIONS FUND	EQUITY	TIMKENSTEEL CORP	107,849.00	7,100	0.44		0
MML SPECIAL SITUATIONS FUND	EQUITY	SYNCHRONY FINANCIAL	1,066,254.00	31,800	4.31		0
MML SPECIAL SITUATIONS FUND	EQUITY	KEYSIGHT TECHNOLOGIES IN	527,567.30	10,070	2.13		0
MML SPECIAL SITUATIONS FUND	EQUITY	LIBERTY BROADBAND A	296,800.00	3,500	1.20		0
MML SPECIAL SITUATIONS FUND	EQUITY	LIBERTY BROADBAND C	308,484.00	3,600	1.25		0
MML SPECIAL SITUATIONS FUND	EQUITY	CHEMOURS CO/THE	505,561.09	10,379	2.04		0
MML SPECIAL SITUATIONS FUND	EQUITY	TOPBUILD CORP	1,346,752.00	17,600	5.44		0
MML SPECIAL SITUATIONS FUND	EQUITY	PAYPAL HOLDINGS INC	1,509,813.00	19,900	6.10		0
MML SPECIAL SITUATIONS FUND	EQUITY	ZILLOW GROUP INC C	371,220.00	6,900	1.50		0
MML SPECIAL SITUATIONS FUND	EQUITY	MADISON SQUARE GARDEN CO A	739,858.00	3,010	2.99		0
MML SPECIAL SITUATIONS FUND	EQUITY	HEWLETT PACKARD ENTERPRISE	1,431,264.00	81,600	5.78		0
MML SPECIAL SITUATIONS FUND	EQUITY	LIBERTY MEDIA COR SIRIUSXM C	228,760.00	5,600	0.92		0
MML TOTAL RETURN BOND FUND	FIXED INCOME	NELNET STUDENT LOAN TRUST	1,665,115.22	1,667,293	0.35	2.2207	2/27/2051
MML TOTAL RETURN BOND FUND	FIXED INCOME	ACCESS GROUP INC	807,507.94	801,896	0.17	2.5715	7/25/2056
MML TOTAL RETURN BOND FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	1,092,556.41	1,100,000	0.23	2.2952	10/25/2064
MML TOTAL RETURN BOND FUND	FIXED INCOME	GENERAL MOTORS FINL CO	502,455.08	505,000	0.10	2.4	5/9/2019
MML TOTAL RETURN BOND FUND	FIXED INCOME	SPRINT SPECTRUM / SPEC I	560,847.66	564,375	0.12	3.36	3/20/2023

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

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	CENTENE CORP	252,525.00	259,000	0.05	4.75	1/15/2025
MML TOTAL RETURN BOND FUND	FIXED INCOME	MORGAN STANLEY	3,405,299.07	3,395,000	0.71	2.63338	2/14/2020
MML TOTAL RETURN BOND FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	1,051,195.85	1,051,379	0.22	2.5945	12/15/2027
MML TOTAL RETURN BOND FUND	FIXED INCOME	NAVIENT STUDENT LOAN TRUST	1,125,060.53	1,100,000	0.23	2.9215	7/26/2066
MML TOTAL RETURN BOND FUND	FIXED INCOME	FREDDIE MAC	1,232,396.41	1,395,166	0.26	1.75	4/15/2053
MML TOTAL RETURN BOND FUND	FIXED INCOME	CANADIAN NATL RESOURCES	167,217.41	171,000	0.03	3.85	6/1/2027
MML TOTAL RETURN BOND FUND	FIXED INCOME	MORGAN STANLEY	511,932.90	510,000	0.11	2.6747	7/22/2022
MML TOTAL RETURN BOND FUND	FIXED INCOME	KRAFT HEINZ FOODS CO	750,316.27	750,000	0.16	2.21989	8/9/2019
MML TOTAL RETURN BOND FUND	FIXED INCOME	BANK OF AMERICA CORP	826,795.06	860,000	0.17	3.093	10/1/2025
MML TOTAL RETURN BOND FUND	FIXED INCOME	FHLMC MULTIFAMILY STRUCTURED P	860,672.93	859,937	0.18	2.03007	8/25/2024
MML TOTAL RETURN BOND FUND	CASH EQUIVALENT	TREASURY BILL	3,035,104.90	3,050,000	0.63	0.01	7/12/2018
MML TOTAL RETURN BOND FUND	FIXED INCOME	FNMA POOL MA3305	439,895.19	438,730	0.09	3.5	3/1/2048
MML TOTAL RETURN BOND FUND	FIXED INCOME	JP MORGAN CHASE BANK NA	2,202,961.94	2,215,000	0.46	2.604	2/1/2021
MML TOTAL RETURN BOND FUND	FIXED INCOME	JP MORGAN CHASE BANK NA	1,765,039.82	1,765,000	0.37	2.07	2/13/2020
MML TOTAL RETURN BOND FUND	FIXED INCOME	ZIMMER BIOMET HOLDINGS	655,793.86	655,000	0.14	2.9275	3/19/2021
MML TOTAL RETURN BOND FUND	FIXED INCOME	CITIGROUP INC	740,947.22	750,000	0.15	3.142	1/24/2023
MML TOTAL RETURN BOND FUND	CASH EQUIVALENT	TREASURY BILL	2,207,506.20	2,220,000	0.46	0.01	7/26/2018
MML TOTAL RETURN BOND FUND	FIXED INCOME	SIRIUS XM RADIO INC	210,760.00	220,000	0.04	3.875	8/1/2022
MML TOTAL RETURN BOND FUND	FIXED INCOME	GNMA II POOL MA4588	566,660.69	543,641	0.12	4.5	7/20/2047
MML TOTAL RETURN BOND FUND	FIXED INCOME	FNMA POOL AS9972	1,102,186.33	1,071,791	0.23	4	7/1/2047
MML TOTAL RETURN BOND FUND	FIXED INCOME	BANK OF AMERICA CORP	505,363.59	515,000	0.11	2.369	7/21/2021
MML TOTAL RETURN BOND FUND	FIXED INCOME	CROWN CASTLE INTL CORP	599,245.24	625,000	0.12	3.2	9/1/2024
MML TOTAL RETURN BOND FUND	FIXED INCOME	CVS HEALTH CORP	1,146,447.59	1,090,000	0.24	5.05	3/25/2048
MML TOTAL RETURN BOND FUND	FIXED INCOME	VALEANT PHARMACEUTICALS	64,753.00	65,000	0.01	9.25	4/1/2026
MML TOTAL RETURN BOND FUND	FIXED INCOME	SPRINT SPECTRUM / SPEC I	873,262.50	870,000	0.18	4.738	3/20/2025
MML TOTAL RETURN BOND FUND	FIXED INCOME	ANHEUSER BUSCH INBEV WOR	440,310.27	435,000	0.09	4	4/13/2028
MML TOTAL RETURN BOND FUND	FIXED INCOME	US TREASURY N/B	5,572,386.44	5,575,000	1.16	2.25	3/31/2020
MML TOTAL RETURN BOND FUND	FIXED INCOME	US TREASURY N/B	1,535,307.77	1,540,000	0.32	2.5	3/31/2023
MML TOTAL RETURN BOND FUND	CASH EQUIVALENT	FIXED INC CLEARING CORP.REPO	27,127,457.27	27,127,457	5.66	0.74	4/2/2018
MML TOTAL RETURN BOND FUND	FIXED INCOME	CAMPBELL SOUP CO	653,856.09	650,000	0.14	3.3	3/15/2021
MML TOTAL RETURN BOND FUND	FIXED INCOME	INDYMAC INDX MORTGAGE LOAN TRU	1,081,729.12	1,255,187	0.23	3.44746	10/25/2035
MML TOTAL RETURN BOND FUND	FIXED INCOME	SAXON ASSET SECURITIES TRUST	879,604.52	878,713	0.18	2.5615	5/25/2035
MML TOTAL RETURN BOND FUND	FIXED INCOME	CITIGROUP MORTGAGE LOAN TRUST	769,723.71	747,042	0.16	3.63	10/25/2035
MML TOTAL RETURN BOND FUND	FIXED INCOME	AMERICAN HOME MORTGAGE INVESTM	1,769,844.40	1,740,096	0.37	4.168	6/25/2045
MML TOTAL RETURN BOND FUND	FIXED INCOME	WELLS FARGO MORTGAGE BACKED SE	1,051,385.86	1,032,513	0.22	3.7723	4/25/2036
MML TOTAL RETURN BOND FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	1,191,196.05	1,167,228	0.25	3.2452	4/25/2023
MML TOTAL RETURN BOND FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	1,338,580.87	1,337,731	0.28	2.1252	10/25/2024
MML TOTAL RETURN BOND FUND	FIXED INCOME	FNMA TBA 30 YR 4	2,934,628.27	2,860,000	0.61	4	4/12/2048
MML TOTAL RETURN BOND FUND	FIXED INCOME	CONTL AIRLINES 2009 2	1,735,987.92	1,644,551	0.36	7.25	5/10/2021
MML TOTAL RETURN BOND FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	1,031,835.16	1,036,377	0.22	2.3952	1/25/2022
MML TOTAL RETURN BOND FUND	FIXED INCOME	FNMA TBA 30 YR 3.5	1,929,060.60	1,925,000	0.40	3.5	4/12/2048
MML TOTAL RETURN BOND FUND	FIXED INCOME	GNMA II TBA 30 YR 3.5	2,145,419.98	2,125,000	0.45	3.5	4/19/2048
MML TOTAL RETURN BOND FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	1,067,354.29	1,062,010	0.22	2.8215	9/25/2028
MML TOTAL RETURN BOND FUND	FIXED INCOME	FNMA TBA 30 YR 3	2,092,212.84	2,145,000	0.44	3	4/12/2048
MML TOTAL RETURN BOND FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	1,236,504.96	1,239,638	0.26	2.5715	1/25/2029
MML TOTAL RETURN BOND FUND	FIXED INCOME	CHASE MORTGAGE FINANCE CORPORA	642,731.73	643,652	0.13	3.58039	3/25/2037
MML TOTAL RETURN BOND FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	1,080,745.77	1,088,871	0.23	2.5215	5/26/2026
MML TOTAL RETURN BOND FUND	FIXED INCOME	CGRBS COMMERCIAL MORTGAGE TRUS	420,429.45	420,000	0.09	3.369	3/13/2035
MML TOTAL RETURN BOND FUND	FIXED INCOME	MORGAN STANLEY	1,000,575.73	1,000,000	0.21	3.0252	4/25/2018
MML TOTAL RETURN BOND FUND	FIXED INCOME	FED HM LN PC POOL G67707	4,814,734.14	4,773,156	1.00	3.5	1/1/2048
MML TOTAL RETURN BOND FUND	FIXED INCOME	T MOBILE USA INC	149,955.00	156,000	0.03	4.75	2/1/2028
MML TOTAL RETURN BOND FUND	FIXED INCOME	MGM GROWTH/MGM FINANCE	75,024.00	80,000	0.02	4.5	1/15/2028

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

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	T MOBILE USA INC	99,840.00	104,000	0.02	4.5	2/1/2026
MML TOTAL RETURN BOND FUND	FIXED INCOME	BROADCOM CRP / CAYMN FI	739,535.27	750,000	0.15	2.375	1/15/2020
MML TOTAL RETURN BOND FUND	FIXED INCOME	US TREASURY N/B	6,793,183.15	6,790,000	1.42	2.75	2/15/2028
MML TOTAL RETURN BOND FUND	FIXED INCOME	US TREASURY N/B	30,431,985.74	30,260,000	6.34	3	2/15/2048
MML TOTAL RETURN BOND FUND	FIXED INCOME	CELGENE CORP	433,194.43	440,000	0.09	3.9	2/20/2028
MML TOTAL RETURN BOND FUND	FIXED INCOME	TSY INFL IX N/B	1,602,633.95	1,562,200	0.33	1	2/15/2048
MML TOTAL RETURN BOND FUND	FIXED INCOME	LAMAR MEDIA CORPORATION	100,125.00	100,000	0.02	0	2/16/2025
MML TOTAL RETURN BOND FUND	FIXED INCOME	US TREASURY N/B	32,315,356.17	32,215,000	6.74	2.625	2/28/2023
MML TOTAL RETURN BOND FUND	FIXED INCOME	DELOS FIN S A R L	593,340.36	591,000	0.12	0	10/6/2023
MML TOTAL RETURN BOND FUND	FIXED INCOME	FNMA POOL MA3332	4,361,554.47	4,350,000	0.91	3.5	4/1/2048
MML TOTAL RETURN BOND FUND	FIXED INCOME	FED HM LN PC POOL G67708	4,407,063.16	4,381,221	0.92	3.5	3/1/2048
MML TOTAL RETURN BOND FUND	FIXED INCOME	NORTHROP GRUMMAN CORP	610,901.22	640,000	0.13	3.25	1/15/2028
MML TOTAL RETURN BOND FUND	FIXED INCOME	FNMA POOL MA3238	629,745.65	628,028	0.13	3.5	1/1/2048
MML TOTAL RETURN BOND FUND	FIXED INCOME	GNMA II POOL MA4838	1,095,166.14	1,063,550	0.23	4	11/20/2047
MML TOTAL RETURN BOND FUND	FIXED INCOME	LLOYDS BANKING GROUP PLC	414,531.66	430,000	0.09	2.907	11/7/2023
MML TOTAL RETURN BOND FUND	FIXED INCOME	US TREASURY N/B	14,387,956.90	15,020,000	3.00	2.25	11/15/2027
MML TOTAL RETURN BOND FUND	FIXED INCOME	ALEXANDRIA REAL ESTATE E	435,327.57	450,000	0.09	3.45	4/30/2025
MML TOTAL RETURN BOND FUND	FIXED INCOME	TELEFLEX INC	102,988.57	107,000	0.02	4.625	11/15/2027
MML TOTAL RETURN BOND FUND	FIXED INCOME	FED HM LN PC POOL G67706	2,044,237.58	2,029,728	0.43	3.5	12/1/2047
MML TOTAL RETURN BOND FUND	FIXED INCOME	BOSTON PROPERTIES LP	415,081.96	430,000	0.09	3.2	1/15/2025
MML TOTAL RETURN BOND FUND	FUTURE	US 5YR NOTE (CBT) JUN18	-	25,500,000	0.01	0	6/29/2018
MML TOTAL RETURN BOND FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	701,089.32	680,000	0.15	3.9952	10/25/2083
MML TOTAL RETURN BOND FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	721,481.46	700,000	0.15	3.5952	7/25/2073
MML TOTAL RETURN BOND FUND	FIXED INCOME	PENNSYLVANIA HIGHER EDUCATION	1,224,050.70	1,220,974	0.26	2.6215	11/25/2042
MML TOTAL RETURN BOND FUND	FIXED INCOME	RBSCF TRUST	334,412.27	330,000	0.07	3.8336	1/13/2032
MML TOTAL RETURN BOND FUND	FIXED INCOME	JPMORGAN CHASE + CO	700,127.27	700,000	0.15	2.2952	4/25/2018
MML TOTAL RETURN BOND FUND	FIXED INCOME	FNMA POOL AM0827	958,789.76	971,980	0.20	2.6	11/1/2022
MML TOTAL RETURN BOND FUND	FIXED INCOME	SFAVE COMMERCIAL MORTGAGE SECU	357,353.10	370,000	0.07	3.872	1/5/2043
MML TOTAL RETURN BOND FUND	FIXED INCOME	NAVIENT STUDENT LOAN TRUST	1,102,440.68	1,100,000	0.23	2.4715	4/25/2040
MML TOTAL RETURN BOND FUND	FIXED INCOME	FED HM LN PC POOL G67700	1,557,150.28	1,544,660	0.32	3.5	8/1/2046
MML TOTAL RETURN BOND FUND	FIXED INCOME	GNMA II POOL MA3937	411,186.54	406,581	0.09	3.5	9/20/2046
MML TOTAL RETURN BOND FUND	FIXED INCOME	SIEMENS FINANCIERINGSMAT	514,456.89	550,000	0.11	2	9/15/2023
MML TOTAL RETURN BOND FUND	FIXED INCOME	CENTRAL GARDEN + PET CO	213,968.75	205,000	0.04	6.125	11/15/2023
MML TOTAL RETURN BOND FUND	FIXED INCOME	FIRST DATA CORPORATION	193,000.00	193,000	0.04	5	1/15/2024
MML TOTAL RETURN BOND FUND	FUTURE	EURO-BOBL FUTURE JUN18	-	(5,200,000)	0.00	0	6/7/2018
MML TOTAL RETURN BOND FUND	FUTURE	US 2YR NOTE (CBT) JUN18	-	46,600,000	0.00	0	6/29/2018
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	IHS MARKIT LTD	242,880.00	253,000	0.05	4	3/1/2026
MML TOTAL RETURN BOND FUND	FIXED INCOME	AT+T INC	541,669.55	530,000	0.11	5.15	11/15/2046
MML TOTAL RETURN BOND FUND	FIXED INCOME	AMERICAN TOWER CORP	415,303.23	430,000	0.09	3	6/15/2023
MML TOTAL RETURN BOND FUND	FIXED INCOME	SERVICE CORP INTL	202,650.00	210,000	0.04	4.625	12/15/2027
MML TOTAL RETURN BOND FUND	FIXED INCOME	CENTRAL GARDEN + PET CO	171,950.00	181,000	0.04	5.125	2/1/2028
MML TOTAL RETURN BOND FUND	FIXED INCOME	FED HM LN PC POOL G08791	961,131.78	985,066	0.20	3	12/1/2047
MML TOTAL RETURN BOND FUND	FIXED INCOME	FANNIEMAE ACES	1,065,380.54	1,069,473	0.22	2.05813	9/25/2024
MML TOTAL RETURN BOND FUND	FIXED INCOME	NEXTERA ENERGY OPERATING	197,925.00	210,000	0.04	4.5	9/15/2027
MML TOTAL RETURN BOND FUND	FIXED INCOME	SUNOCO LOGISTICS PARTNER	613,517.26	644,000	0.13	5.4	10/1/2047
MML TOTAL RETURN BOND FUND	FIXED INCOME	DELL INC	457,789.42	458,197	0.10	0	12/31/2018
MML TOTAL RETURN BOND FUND	FIXED INCOME	GOLDMAN SACHS GROUP INC	620,910.07	645,000	0.13	3.272	9/29/2025
MML TOTAL RETURN BOND FUND	FIXED INCOME	PILGRIM S PRIDE CORP	100,826.10	107,000	0.02	5.875	9/30/2027
MML TOTAL RETURN BOND FUND	FIXED INCOME	SBA COMMUNICATIONS CORP	203,947.50	213,000	0.04	4	10/1/2022
MML TOTAL RETURN BOND FUND	FIXED INCOME	VALEANT PHARMACEUTICALS	120,714.00	124,000	0.03	5.5	11/1/2025
MML TOTAL RETURN BOND FUND	FIXED INCOME	SL GREEN OPERATING PARTN	487,635.73	500,000	0.10	3.25	10/15/2022

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

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	FNMA POOL MA3210	3,475,518.32	3,465,771	0.72	3.5	12/1/2047
MML TOTAL RETURN BOND FUND	CASH EQUIVALENT	TREASURY BILL	314,937.74	316,000	0.07	0.01	6/14/2018
MML TOTAL RETURN BOND FUND	FIXED INCOME	ITRON INC	123,162.50	125,000	0.03	5	1/15/2026
MML TOTAL RETURN BOND FUND	FIXED INCOME	VOYA CLO LTD	999,992.00	1,000,000	0.21	2.4652	7/25/2026
MML TOTAL RETURN BOND FUND	FIXED INCOME	BANK OF AMERICA CORP	1,058,345.15	1,079,000	0.22	3.004	12/20/2023
MML TOTAL RETURN BOND FUND	FIXED INCOME	CHENIERE CORP CHRISTI HD	74,437.50	75,000	0.02	5.125	6/30/2027
MML TOTAL RETURN BOND FUND	FIXED INCOME	VALVOLINE INC	205,250.00	200,000	0.04	5.5	7/15/2024
MML TOTAL RETURN BOND FUND	CASH EQUIVALENT	TREASURY BILL	1,330,033.54	1,336,000	0.28	0.01	7/5/2018
MML TOTAL RETURN BOND FUND	FIXED INCOME	SANTANDER UK GROUP HLDGS	630,981.65	645,000	0.13	3.373	1/5/2024
MML TOTAL RETURN BOND FUND	FIXED INCOME	SUNOCO LP/FINANCE CORP	120,468.75	125,000	0.03	4.875	1/15/2023
MML TOTAL RETURN BOND FUND	FIXED INCOME	ARAMARK SERVICES INC	205,537.50	210,000	0.04	5	2/1/2028
MML TOTAL RETURN BOND FUND	FIXED INCOME	CSC HOLDINGS LLC	188,918.00	200,000	0.04	5.375	2/1/2028
MML TOTAL RETURN BOND FUND	FIXED INCOME	WELLS FARGO BANK NA	1,487,632.01	1,500,000	0.31	2.4	1/15/2020
MML TOTAL RETURN BOND FUND	FIXED INCOME	HOLOGIC INC	57,600.00	60,000	0.01	4.625	2/1/2028
MML TOTAL RETURN BOND FUND	FIXED INCOME	PNC BANK NA	1,074,085.72	1,090,000	0.22	2.5	1/22/2021
MML TOTAL RETURN BOND FUND	FIXED INCOME	BANK OF AMERICA CORP	1,069,743.61	1,085,000	0.22	2.738	1/23/2022
MML TOTAL RETURN BOND FUND	FIXED INCOME	GOLDMAN SACHS GROUP INC	637,178.57	650,000	0.13	3.814	4/23/2029
MML TOTAL RETURN BOND FUND	FIXED INCOME	US TREASURY N/B	19,544,319.52	19,705,000	4.07	2.375	1/31/2023
MML TOTAL RETURN BOND FUND	FIXED INCOME	WELLCARE HEALTH PLANS	122,457.50	122,000	0.03	5.25	4/1/2025
MML TOTAL RETURN BOND FUND	FIXED INCOME	VERIZON COMMUNICATIONS	679,335.30	630,000	0.14	5.25	3/16/2037
MML TOTAL RETURN BOND FUND	FIXED INCOME	GNMA II POOL MA4382	448,371.75	443,761	0.09	3.5	4/20/2047
MML TOTAL RETURN BOND FUND	FIXED INCOME	FNMA POOL MA3027	1,269,282.59	1,235,687	0.26	4	6/1/2047
MML TOTAL RETURN BOND FUND	FIXED INCOME	JPMORGAN CHASE + CO	1,954,684.50	2,000,000	0.41	3.54	5/1/2028
MML TOTAL RETURN BOND FUND	FIXED INCOME	KAISER FOUNDATION HOSPIT	967,897.37	1,000,000	0.20	3.15	5/1/2027
MML TOTAL RETURN BOND FUND	FIXED INCOME	FED HM LN PC POOL G67703	2,225,485.46	2,209,004	0.46	3.5	4/1/2047
MML TOTAL RETURN BOND FUND	FIXED INCOME	GNMA II POOL MA4454	777,201.22	738,872	0.16	5	5/20/2047
MML TOTAL RETURN BOND FUND	FIXED INCOME	1011778 BC / NEW RED FIN	285,993.50	299,000	0.06	4.25	5/15/2024
MML TOTAL RETURN BOND FUND	FIXED INCOME	AIMCO	330,099.99	330,000	0.07	2.8447	7/20/2026
MML TOTAL RETURN BOND FUND	FIXED INCOME	WELLS FARGO + COMPANY	1,819,830.41	1,865,000	0.38	3.584	5/22/2028
MML TOTAL RETURN BOND FUND	FIXED INCOME	FHLMC MULTIFAMILY STRUCTURED P	1,745,504.12	1,775,000	0.36	3.291	3/25/2027
MML TOTAL RETURN BOND FUND	FIXED INCOME	TC PIPELINES LP	478,273.18	500,000	0.10	3.9	5/25/2027
MML TOTAL RETURN BOND FUND	FIXED INCOME	BECTON DICKINSON AND CO	431,482.57	440,000	0.09	2.404	6/5/2020
MML TOTAL RETURN BOND FUND	FIXED INCOME	SBA COMMUNICATIONS CORP	96,040.00	98,000	0.02	4.875	9/1/2024
MML TOTAL RETURN BOND FUND	FIXED INCOME	TENET HEALTHCARE CORP	244,157.50	254,000	0.05	4.625	7/15/2024
MML TOTAL RETURN BOND FUND	FIXED INCOME	FNMA POOL AS9830	1,266,312.21	1,231,017	0.26	4	6/1/2047
MML TOTAL RETURN BOND FUND	FIXED INCOME	FNMA POOL MA3088	1,807,769.19	1,760,993	0.38	4	8/1/2047
MML TOTAL RETURN BOND FUND	FIXED INCOME	KFC HLD/PIZZA HUT/TACO	202,125.00	210,000	0.04	4.75	6/1/2027
MML TOTAL RETURN BOND FUND	FIXED INCOME	INTELSAT JACKSON HLDG	208,226.25	223,000	0.04	9.75	7/15/2025
MML TOTAL RETURN BOND FUND	FIXED INCOME	FIRST QUALITY FINANCE CO	166,605.00	174,000	0.03	5	7/1/2025
MML TOTAL RETURN BOND FUND	FIXED INCOME	SABINE PASS LIQUEFACTION	492,728.01	500,000	0.10	4.2	3/15/2028
MML TOTAL RETURN BOND FUND	FIXED INCOME	DIAMONDBACK ENERGY INC	83,055.00	84,000	0.02	4.75	11/1/2024
MML TOTAL RETURN BOND FUND	FIXED INCOME	CORE INDUSTRIAL TRUST	255,021.60	255,000	0.05	3.077	2/10/2034
MML TOTAL RETURN BOND FUND	FIXED INCOME	GILEAD SCIENCES INC	526,872.86	525,000	0.11	3.65	3/1/2026
MML TOTAL RETURN BOND FUND	FIXED INCOME	BAT INTL FINANCE PLC	748,917.62	750,000	0.16	1.85	6/15/2018
MML TOTAL RETURN BOND FUND	FIXED INCOME	FNMA POOL AM9188	753,460.11	780,000	0.16	3.12	6/1/2035
MML TOTAL RETURN BOND FUND	FIXED INCOME	SEALED AIR CORP	196,650.00	190,000	0.04	5.5	9/15/2025
MML TOTAL RETURN BOND FUND	FIXED INCOME	FNMA POOL AM4236	645,850.58	617,342	0.13	3.94	8/1/2025
MML TOTAL RETURN BOND FUND	FIXED INCOME	CCO HLDGS LLC/CAP CORP	212,812.50	227,000	0.04	5	2/1/2028
MML TOTAL RETURN BOND FUND	FIXED INCOME	GULFPORT ENERGY CORP	45,002.50	47,000	0.01	6.375	5/15/2025
MML TOTAL RETURN BOND FUND	FIXED INCOME	GNMA II POOL MA4722	1,170,677.83	1,112,944	0.24	5	9/20/2047
MML TOTAL RETURN BOND FUND	FIXED INCOME	GNMA II POOL MA4719	591,862.94	585,776	0.12	3.5	9/20/2047
MML TOTAL RETURN BOND FUND	FIXED INCOME	CIGNA CORP	867,095.09	945,000	0.18	3.05	10/15/2027

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

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	FED HM LN PC POOL G08732	1,034,343.28	1,058,744	0.22	3	11/1/2046
MML TOTAL RETURN BOND FUND	FIXED INCOME	SOUTHERN CO GAS CAPITAL	94,945.32	100,000	0.02	2.45	10/1/2023
MML TOTAL RETURN BOND FUND	FIXED INCOME	GILEAD SCIENCES INC	435,734.25	445,000	0.09	4.15	3/1/2047
MML TOTAL RETURN BOND FUND	FIXED INCOME	SHIRE ACQ INV IRELAND DA	491,747.90	500,000	0.10	1.9	9/23/2019
MML TOTAL RETURN BOND FUND	FIXED INCOME	PROV ST JOSEPH HLTH OBL	797,721.20	845,000	0.17	2.746	10/1/2026
MML TOTAL RETURN BOND FUND	FIXED INCOME	FED HM LN PC POOL G18622	951,667.47	970,277	0.20	2.5	12/1/2031
MML TOTAL RETURN BOND FUND	FIXED INCOME	FED HM LN PC POOL G08737	371,546.41	380,311	0.08	3	12/1/2046
MML TOTAL RETURN BOND FUND	FIXED INCOME	GENERAL MOTORS FINL CO	495,412.69	500,000	0.10	2.35	10/4/2019
MML TOTAL RETURN BOND FUND	FIXED INCOME	WELLS FARGO + COMPANY	323,077.05	345,000	0.07	3	10/23/2026
MML TOTAL RETURN BOND FUND	FIXED INCOME	MONDELEZ INTL HLDINGS NE	1,170,379.28	1,195,000	0.24	1.625	10/28/2019
MML TOTAL RETURN BOND FUND	FIXED INCOME	FED HM LN PC POOL G08741	2,560,918.27	2,623,850	0.53	3	1/1/2047
MML TOTAL RETURN BOND FUND	FIXED INCOME	FED HM LN PC POOL G08742	1,619,377.54	1,612,888	0.34	3.5	1/1/2047
MML TOTAL RETURN BOND FUND	FIXED INCOME	FED HM LN PC POOL G18626	466,302.84	475,421	0.10	2.5	1/1/2032
MML TOTAL RETURN BOND FUND	FIXED INCOME	FED HM LN PC POOL G18627	1,858,303.13	1,859,102	0.39	3	1/1/2032
MML TOTAL RETURN BOND FUND	FIXED INCOME	FED HM LN PC POOL V61427	463,959.49	473,032	0.10	2.5	12/1/2031
MML TOTAL RETURN BOND FUND	FIXED INCOME	AEP TRANSMISSION CO LLC	825,021.16	855,000	0.17	3.1	12/1/2026
MML TOTAL RETURN BOND FUND	FIXED INCOME	MAGNETITE CLO LTD	1,065,392.22	1,060,000	0.22	3.05152	4/15/2027
MML TOTAL RETURN BOND FUND	FIXED INCOME	ABBOTT LABORATORIES	312,285.23	315,000	0.07	2.35	11/22/2019
MML TOTAL RETURN BOND FUND	FIXED INCOME	CHARTER COMM OPT LLC/CAP	893,803.14	875,000	0.19	4.464	7/23/2022
MML TOTAL RETURN BOND FUND	FIXED INCOME	CHARTER COMM OPT LLC/CAP	219,537.26	200,000	0.05	6.484	10/23/2045
MML TOTAL RETURN BOND FUND	FIXED INCOME	GNMA II POOL MA4126	2,616,292.17	2,652,558	0.55	3	12/20/2046
MML TOTAL RETURN BOND FUND	FIXED INCOME	GNMA II POOL MA4127	1,381,029.30	1,365,560	0.29	3.5	12/20/2046
MML TOTAL RETURN BOND FUND	FIXED INCOME	WELLS FARGO BANK NA	2,473,071.38	2,500,000	0.52	2.15	12/6/2019
MML TOTAL RETURN BOND FUND	FIXED INCOME	ALABAMA ECON SETTLEMENT AUTH B	998,390.00	1,000,000	0.21	3.163	9/15/2025
MML TOTAL RETURN BOND FUND	FIXED INCOME	FED HM LN PC POOL G08747	733,139.34	751,155	0.15	3	2/1/2047
MML TOTAL RETURN BOND FUND	FIXED INCOME	AT+T INC	501,894.48	540,000	0.10	4.5	3/9/2048
MML TOTAL RETURN BOND FUND	FIXED INCOME	PARSLEY ENERGY LLC/FINAN	209,475.00	210,000	0.04	5.375	1/15/2025
MML TOTAL RETURN BOND FUND	FIXED INCOME	DOMINION ENERGY INC	993,154.47	1,000,000	0.21	1.875	12/15/2018
MML TOTAL RETURN BOND FUND	FIXED INCOME	FNMA POOL MA2915	958,113.60	950,944	0.20	3	2/1/2027
MML TOTAL RETURN BOND FUND	FIXED INCOME	GNMA II POOL MA4199	383,409.35	364,501	0.08	5	1/20/2047
MML TOTAL RETURN BOND FUND	FIXED INCOME	CITIGROUP INC	990,707.26	1,000,000	0.21	2.45	1/10/2020
MML TOTAL RETURN BOND FUND	FIXED INCOME	EMERA US FINANCE LP	1,055,122.24	1,068,000	0.22	2.15	6/15/2019
MML TOTAL RETURN BOND FUND	FIXED INCOME	ZAYO GROUP LLC/ZAYO CAP	117,300.00	120,000	0.02	5.75	1/15/2027
MML TOTAL RETURN BOND FUND	FIXED INCOME	CCO HLDGS LLC/CAP CORP	161,398.00	170,000	0.03	5.125	5/1/2027
MML TOTAL RETURN BOND FUND	FIXED INCOME	JPMORGAN CHASE + CO	496,999.36	500,000	0.10	3.782	2/1/2028
MML TOTAL RETURN BOND FUND	FIXED INCOME	FNMA POOL AN4431	798,354.16	805,000	0.17	3.22	1/1/2027
MML TOTAL RETURN BOND FUND	FIXED INCOME	GNMA II POOL MA4262	1,619,106.65	1,602,456	0.34	3.5	2/20/2047
MML TOTAL RETURN BOND FUND	FIXED INCOME	AT+T INC	449,596.74	425,000	0.09	5.25	3/1/2037
MML TOTAL RETURN BOND FUND	FIXED INCOME	FED HM LN PC POOL G08757	554,262.41	552,041	0.12	3.5	4/1/2047
MML TOTAL RETURN BOND FUND	FIXED INCOME	MGM GROWTH/MGM FINANCE	103,000.00	100,000	0.02	5.625	5/1/2024
MML TOTAL RETURN BOND FUND	FIXED INCOME	CHANGE HEALTH / FIN INC	120,969.10	122,000	0.03	5.75	3/1/2025
MML TOTAL RETURN BOND FUND	FIXED INCOME	BLUE HILL CLO LTD	740,159.74	739,913	0.15	2.90152	1/15/2026
MML TOTAL RETURN BOND FUND	FIXED INCOME	GOODYEAR TIRE + RUBBER	89,463.21	93,000	0.02	4.875	3/15/2027
MML TOTAL RETURN BOND FUND	FIXED INCOME	CHS/COMMUNITY HEALTH SYS	124,368.75	135,000	0.03	6.25	3/31/2023
MML TOTAL RETURN BOND FUND	FIXED INCOME	FED HM LN PC POOL G08722	403,394.42	401,528	0.08	3.5	9/1/2046
MML TOTAL RETURN BOND FUND	FIXED INCOME	RAYMOND JAMES FINANCIAL	432,538.16	400,000	0.09	4.95	7/15/2046
MML TOTAL RETURN BOND FUND	FIXED INCOME	JPMORGAN CHASE + CO	842,205.16	895,000	0.18	2.95	10/1/2026
MML TOTAL RETURN BOND FUND	FIXED INCOME	TEVA PHARMACEUTICALS NE	531,837.53	550,000	0.11	1.7	7/19/2019
MML TOTAL RETURN BOND FUND	FIXED INCOME	BANC OF AMERICA FUNDING CORPOR	1,400,467.72	1,434,009	0.29	2.5	3/25/2040
MML TOTAL RETURN BOND FUND	FIXED INCOME	FED HM LN PC POOL G08726	2,945,603.37	3,015,092	0.61	3	10/1/2046
MML TOTAL RETURN BOND FUND	FIXED INCOME	AXALTA COATING SYSTEMS	150,562.50	150,000	0.03	4.875	8/15/2024
MML TOTAL RETURN BOND FUND	FIXED INCOME	GRAPHIC PACKAGING INTERN	196,500.00	200,000	0.04	4.125	8/15/2024

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

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	KRAFT HEINZ FOODS CO	497,802.60	500,000	0.10	3.95	7/15/2025
MML TOTAL RETURN BOND FUND	FIXED INCOME	HCP INC	495,715.25	500,000	0.10	3.875	8/15/2024
MML TOTAL RETURN BOND FUND	FIXED INCOME	WEA FINANCE LLC/WESTFIEL	497,613.60	500,000	0.10	2.7	9/17/2019
MML TOTAL RETURN BOND FUND	FIXED INCOME	FARMERS EXCHANGE CAP III	1,006,375.00	970,000	0.21	5.454	10/15/2054
MML TOTAL RETURN BOND FUND	FIXED INCOME	BAYER US FINANCE LLC	842,646.30	850,000	0.18	2.375	10/8/2019
MML TOTAL RETURN BOND FUND	FIXED INCOME	GOLDMAN SACHS GROUP INC	1,989,140.00	2,000,000	0.41	2.55	10/23/2019
MML TOTAL RETURN BOND FUND	FIXED INCOME	CONSTELLATION BRANDS INC	506,743.03	500,000	0.11	3.875	11/15/2019
MML TOTAL RETURN BOND FUND	FIXED INCOME	CITIGROUP INC	996,265.36	1,000,000	0.21	2.05	12/7/2018
MML TOTAL RETURN BOND FUND	FIXED INCOME	BALL CORP	355,687.50	350,000	0.07	4.375	12/15/2020
MML TOTAL RETURN BOND FUND	FIXED INCOME	FED HM LN PC POOL G60344	1,931,976.33	1,870,102	0.40	4	12/1/2045
MML TOTAL RETURN BOND FUND	FIXED INCOME	ANHEUSER BUSCH INBEV FIN	647,106.55	600,000	0.13	4.9	2/1/2046
MML TOTAL RETURN BOND FUND	FIXED INCOME	AT+T INC	501,211.17	500,000	0.10	4.125	2/17/2026
MML TOTAL RETURN BOND FUND	FIXED INCOME	SPECTRUM BRANDS INC	86,700.00	85,000	0.02	5.75	7/15/2025
MML TOTAL RETURN BOND FUND	FIXED INCOME	APPLE INC	936,016.56	850,000	0.20	4.65	2/23/2046
MML TOTAL RETURN BOND FUND	FIXED INCOME	COMM MORTGAGE TRUST	338,448.31	340,000	0.07	3.545	2/10/2036
MML TOTAL RETURN BOND FUND	FIXED INCOME	GNMA II POOL MA3521	1,115,803.33	1,101,943	0.23	3.5	3/20/2046
MML TOTAL RETURN BOND FUND	FIXED INCOME	FED HM LN PC POOL G18592	633,342.89	632,330	0.13	3	3/1/2031
MML TOTAL RETURN BOND FUND	FIXED INCOME	AT+T INC	159,900.51	160,000	0.03	3.95	1/15/2025
MML TOTAL RETURN BOND FUND	FIXED INCOME	HARBORVIEW MORTGAGE LOAN TRUST	1,923,242.86	2,181,201	0.40	2.0082	11/19/2036
MML TOTAL RETURN BOND FUND	FIXED INCOME	FNMA POOL FN0039	810,820.18	816,663	0.17	3.201	9/1/2027
MML TOTAL RETURN BOND FUND	FIXED INCOME	MORGAN STANLEY CAPITAL I TRUST	403,081.96	400,000	0.08	3.727	10/12/2050
MML TOTAL RETURN BOND FUND	FIXED INCOME	FNMA POOL AN1089	669,833.92	690,000	0.14	2.74	3/1/2026
MML TOTAL RETURN BOND FUND	FIXED INCOME	GNMA II POOL MA3597	346,085.15	341,786	0.07	3.5	4/20/2046
MML TOTAL RETURN BOND FUND	FIXED INCOME	GLP CAPITAL LP / FIN II	203,000.00	200,000	0.04	5.375	4/15/2026
MML TOTAL RETURN BOND FUND	FIXED INCOME	WELLS FARGO + COMPANY	445,953.64	475,000	0.09	3	4/22/2026
MML TOTAL RETURN BOND FUND	FIXED INCOME	AMCOR FINANCE USA INC	626,679.37	650,000	0.13	3.625	4/28/2026
MML TOTAL RETURN BOND FUND	FIXED INCOME	GNMA II POOL MA3663	520,903.06	514,432	0.11	3.5	5/20/2046
MML TOTAL RETURN BOND FUND	FIXED INCOME	LEVEL 3 FINANCING INC	132,515.68	136,000	0.03	5.375	1/15/2024
MML TOTAL RETURN BOND FUND	FIXED INCOME	GNMA II POOL MA3666	343,408.27	326,473	0.07	5	5/20/2046
MML TOTAL RETURN BOND FUND	FIXED INCOME	FED HM LN PC POOL G08710	403,625.56	412,751	0.08	3	6/1/2046
MML TOTAL RETURN BOND FUND	FIXED INCOME	FED HM LN PC POOL G08711	1,675,628.60	1,667,357	0.35	3.5	6/1/2046
MML TOTAL RETURN BOND FUND	FIXED INCOME	FED HM LN PC POOL G08716	2,320,239.56	2,309,504	0.48	3.5	8/1/2046
MML TOTAL RETURN BOND FUND	FIXED INCOME	FED HM LN PC POOL G08715	3,077,625.66	3,150,229	0.64	3	8/1/2046
MML TOTAL RETURN BOND FUND	FIXED INCOME	DELL INT LLC / EMC CORP	401,809.25	400,000	0.08	3.48	6/1/2019
MML TOTAL RETURN BOND FUND	FIXED INCOME	NXP BV/NXP FUNDING LLC	202,000.00	200,000	0.04	4.125	6/1/2021
MML TOTAL RETURN BOND FUND	FIXED INCOME	SOUTHERN CO	747,808.10	750,000	0.16	1.55	7/1/2018
MML TOTAL RETURN BOND FUND	FIXED INCOME	BAXALTA INC	719,902.30	725,000	0.15	2.875	6/23/2020
MML TOTAL RETURN BOND FUND	FIXED INCOME	AETNA INC	466,010.47	485,000	0.10	2.8	6/15/2023
MML TOTAL RETURN BOND FUND	FIXED INCOME	GE CAPITAL INTL FUNDING	762,489.61	780,000	0.16	4.418	11/15/2035
MML TOTAL RETURN BOND FUND	FIXED INCOME	CENTENE CORP	77,062.50	75,000	0.02	5.625	2/15/2021
MML TOTAL RETURN BOND FUND	FIXED INCOME	AMERICAN CAMPUS CMNTYS	500,605.69	500,000	0.10	3.35	10/1/2020
MML TOTAL RETURN BOND FUND	FIXED INCOME	WELLS FARGO + COMPANY	711,725.58	725,000	0.15	3.55	9/29/2025
MML TOTAL RETURN BOND FUND	FIXED INCOME	WEA FINANCE LLC/WESTFIEL	700,830.85	700,000	0.15	3.25	10/5/2020
MML TOTAL RETURN BOND FUND	FIXED INCOME	NEW YORK LIFE GLOBAL FDG	745,860.39	750,000	0.16	1.55	11/2/2018
MML TOTAL RETURN BOND FUND	FIXED INCOME	DAVITA INC	85,056.40	88,000	0.02	5	5/1/2025
MML TOTAL RETURN BOND FUND	FIXED INCOME	AMGEN INC	499,293.89	500,000	0.10	4.4	5/1/2045
MML TOTAL RETURN BOND FUND	FIXED INCOME	AMGEN INC	196,503.35	200,000	0.04	2.125	5/1/2020
MML TOTAL RETURN BOND FUND	FIXED INCOME	FED HM LN PC POOL G07848	2,743,702.48	2,709,516	0.57	3.5	4/1/2044
MML TOTAL RETURN BOND FUND	FIXED INCOME	WALGREENS BOOTS ALLIANCE	393,935.62	400,000	0.08	3.8	11/18/2024
MML TOTAL RETURN BOND FUND	FIXED INCOME	WALGREENS BOOTS ALLIANCE	272,090.47	275,000	0.06	4.8	11/18/2044
MML TOTAL RETURN BOND FUND	FIXED INCOME	VENTAS REALTY LP	1,460,556.09	1,500,000	0.30	3.5	2/1/2025
MML TOTAL RETURN BOND FUND	FIXED INCOME	FNMA POOL 466960	1,138,942.71	1,109,914	0.24	3.89	12/1/2020

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

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	1,064,640.73	1,095,831	0.22	2.04083	11/26/2046
MML TOTAL RETURN BOND FUND	FIXED INCOME	VALEANT PHARMACEUTICALS	234,500.00	268,000	0.05	5.5	3/1/2023
MML TOTAL RETURN BOND FUND	FIXED INCOME	FNMA POOL AB4262	808,728.88	792,265	0.17	3.5	1/1/2032
MML TOTAL RETURN BOND FUND	FIXED INCOME	NOMURA RESECURITIZATION TRUST	434,990.70	439,690	0.09	1.8	5/26/2047
MML TOTAL RETURN BOND FUND	FIXED INCOME	ANTERO RESOURCES CORP	125,937.50	125,000	0.03	5.125	12/1/2022
MML TOTAL RETURN BOND FUND	FIXED INCOME	NELNET STUDENT LOAN TRUST	1,379,601.82	1,380,102	0.29	2.4615	4/25/2046
MML TOTAL RETURN BOND FUND	FIXED INCOME	WILLIAMS PARTNERS LP	679,908.64	683,000	0.14	3.6	3/15/2022
MML TOTAL RETURN BOND FUND	FIXED INCOME	ALLERGAN FUNDING SCS	835,026.32	850,000	0.17	3.8	3/15/2025
MML TOTAL RETURN BOND FUND	FIXED INCOME	ENERGY TRANSFER PARTNERS	365,545.16	400,000	0.08	5.15	3/15/2045
MML TOTAL RETURN BOND FUND	FIXED INCOME	VERIZON COMMUNICATIONS	605,506.34	600,000	0.13	4.862	8/21/2046
MML TOTAL RETURN BOND FUND	FIXED INCOME	VALEANT PHARMACEUTICALS	86,300.00	100,000	0.02	6.125	4/15/2025
MML TOTAL RETURN BOND FUND	FIXED INCOME	VIRGIN MEDIA SECURED FIN	192,500.00	200,000	0.04	5.25	1/15/2026
MML TOTAL RETURN BOND FUND	FIXED INCOME	CORE INDUSTRIAL TRUST	433,833.50	435,000	0.09	3.04	2/10/2034
MML TOTAL RETURN BOND FUND	FIXED INCOME	FNMA POOL 466919	1,485,708.25	1,445,450	0.31	3.93	1/1/2021
MML TOTAL RETURN BOND FUND	FIXED INCOME	FHLMC TBA 30 YR 3.5	2,410,354.97	2,405,000	0.50	3.5	4/12/2048
MML TOTAL RETURN BOND FUND	FIXED INCOME	FNMA POOL 468551	1,271,860.47	1,230,000	0.27	3.98	7/1/2021
MML TOTAL RETURN BOND FUND	FIXED INCOME	FRESENIUS MED CARE II	817,083.41	805,000	0.17	6.5	9/15/2018
MML TOTAL RETURN BOND FUND	FIXED INCOME	FNMA POOL AI2733	296,633.31	274,710	0.06	5	5/1/2041
MML TOTAL RETURN BOND FUND	FIXED INCOME	BANK OF AMERICA CORP	501,259.78	500,000	0.10	5.65	5/1/2018
MML TOTAL RETURN BOND FUND	FIXED INCOME	CITIGROUP INC	2,730,610.09	2,720,000	0.57	6.125	5/15/2018
MML TOTAL RETURN BOND FUND	FIXED INCOME	HBOS PLC	1,105,754.74	1,100,000	0.23	6.75	5/21/2018
MML TOTAL RETURN BOND FUND	FIXED INCOME	FNMA POOL 977014	46,699.95	42,450	0.01	5.5	5/1/2038
MML TOTAL RETURN BOND FUND	FIXED INCOME	FNMA POOL 986268	1,734.83	1,605	0.00	5	7/1/2038
MML TOTAL RETURN BOND FUND	FIXED INCOME	FNMA POOL 985524	35,310.15	32,220	0.01	5.5	6/1/2038
MML TOTAL RETURN BOND FUND	FIXED INCOME	FNMA POOL 988578	233,381.69	212,959	0.05	5.5	8/1/2038
MML TOTAL RETURN BOND FUND	FIXED INCOME	GOLDMAN SACHS GROUP INC	1,040,234.04	1,000,000	0.22	7.5	2/15/2019
MML TOTAL RETURN BOND FUND	FIXED INCOME	NOVARTIS SECS INVEST LTD	1,020,460.55	1,000,000	0.21	5.125	2/10/2019
MML TOTAL RETURN BOND FUND	FIXED INCOME	FNMA POOL 995482	184,277.36	167,507	0.04	5.5	1/1/2039
MML TOTAL RETURN BOND FUND	FIXED INCOME	FHLMC TBA 30 YR 4	1,554,827.99	1,515,000	0.32	4	4/12/2048
MML TOTAL RETURN BOND FUND	FIXED INCOME	FLORIDA GAS TRANSMISSION	1,054,771.67	1,000,000	0.22	7.9	5/15/2019
MML TOTAL RETURN BOND FUND	FIXED INCOME	CITIGROUP INC	1,274,911.76	1,200,000	0.27	8.5	5/22/2019
MML TOTAL RETURN BOND FUND	FIXED INCOME	FNMA POOL 931504	113,128.65	106,977	0.02	4.5	7/1/2039
MML TOTAL RETURN BOND FUND	FIXED INCOME	MORGAN STANLEY	519,026.26	500,000	0.11	5.625	9/23/2019
MML TOTAL RETURN BOND FUND	FIXED INCOME	NEW YORK NY	866,250.00	750,000	0.18	5.206	10/1/2031
MML TOTAL RETURN BOND FUND	FIXED INCOME	LOS ANGELES CA UNIF SCH DIST	1,191,220.00	1,000,000	0.25	5.755	7/1/2029
MML TOTAL RETURN BOND FUND	FIXED INCOME	DISH DBS CORP	70,437.50	70,000	0.01	6.75	6/1/2021
MML TOTAL RETURN BOND FUND	FIXED INCOME	SPRINT COMMUNICATIONS	358,875.00	348,000	0.07	9	11/15/2018
MML TOTAL RETURN BOND FUND	FIXED INCOME	FRESENIUS MED CARE II	500,500.73	485,000	0.10	5.625	7/31/2019
MML TOTAL RETURN BOND FUND	FIXED INCOME	RUBY PIPELINE LLC	741,117.11	710,227	0.15	6	4/1/2022
MML TOTAL RETURN BOND FUND	FIXED INCOME	7 WTC DEPOSITOR LLC TRUST	31,516.40	31,545	0.01	4.0824	3/13/2031
MML TOTAL RETURN BOND FUND	FIXED INCOME	WELLTOWER INC	758,921.87	750,000	0.16	4.125	4/1/2019
MML TOTAL RETURN BOND FUND	FIXED INCOME	GNMA II TBA 30 YR 3	2,405,650.66	2,445,000	0.50	3	4/19/2048
MML TOTAL RETURN BOND FUND	FIXED INCOME	ANTHEM INC	493,366.51	500,000	0.10	3.125	5/15/2022
MML TOTAL RETURN BOND FUND	FIXED INCOME	GS MORTGAGE SECURITIES TRUST	373,362.26	370,000	0.08	3.551	4/10/2034
MML TOTAL RETURN BOND FUND	FIXED INCOME	BERKSHIRE HATHAWAY FIN	796,548.01	750,000	0.17	4.4	5/15/2042
MML TOTAL RETURN BOND FUND	FIXED INCOME	FNMA POOL MA1148	2,532,276.50	2,510,312	0.53	3.5	8/1/2042
MML TOTAL RETURN BOND FUND	FIXED INCOME	LG+E AND KU ENERGY LLC	1,244,374.20	1,200,000	0.26	4.375	10/1/2021
MML TOTAL RETURN BOND FUND	FIXED INCOME	GS MORTGAGE SECURITIES TRUST	401,002.52	400,000	0.08	2.933	6/5/2031
MML TOTAL RETURN BOND FUND	FIXED INCOME	FNMA POOL AM0359	488,036.35	500,000	0.10	2.31	8/1/2022
MML TOTAL RETURN BOND FUND	FIXED INCOME	FNMA POOL AM9623	749,335.46	755,000	0.16	3.34	7/1/2030
MML TOTAL RETURN BOND FUND	FIXED INCOME	CELGENE CORP	781,357.61	750,000	0.16	5	8/15/2045
MML TOTAL RETURN BOND FUND	FIXED INCOME	PLAINS ALL AMER PIPELINE	603,598.91	600,000	0.13	4.65	10/15/2025

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

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	VERIZON COMMUNICATIONS	578,123.45	600,000	0.12	4.522	9/15/2048
MML TOTAL RETURN BOND FUND	FIXED INCOME	UNITED TECHNOLOGIES CORP	999,144.16	1,000,000	0.21	1.778	5/4/2018
MML TOTAL RETURN BOND FUND	FIXED INCOME	ABBVIE INC	492,762.02	500,000	0.10	3.6	5/14/2025
MML TOTAL RETURN BOND FUND	FIXED INCOME	ABBVIE INC	499,635.45	500,000	0.10	1.8	5/14/2018
MML TOTAL RETURN BOND FUND	FIXED INCOME	FED HM LN PC POOL G60023	2,859,336.59	2,828,510	0.60	3.5	4/1/2045
MML TOTAL RETURN BOND FUND	FIXED INCOME	SHELL INTERNATIONAL FIN	441,022.15	415,000	0.09	4.375	5/11/2045
MML TOTAL RETURN BOND FUND	FIXED INCOME	WELLTOWER INC	829,332.51	830,000	0.17	4	6/1/2025
MML TOTAL RETURN BOND FUND	FIXED INCOME	FNMA POOL AL6829	1,323,098.72	1,348,613	0.28	2.964	5/1/2027
MML TOTAL RETURN BOND FUND	FIXED INCOME	ALTICE US FINANCE I CORP	430,525.00	425,000	0.09	5.375	7/15/2023
MML TOTAL RETURN BOND FUND	FIXED INCOME	FNMA POOL MA1512	367,461.13	360,201	0.08	3.5	7/1/2033
MML TOTAL RETURN BOND FUND	FIXED INCOME	JERSEY CENTRAL PWR + LT	849,273.96	800,000	0.18	4.7	4/1/2024
MML TOTAL RETURN BOND FUND	FIXED INCOME	COMM MORTGAGE TRUST	340,635.23	325,000	0.07	4.353	8/10/2030
MML TOTAL RETURN BOND FUND	FIXED INCOME	VERIZON COMMUNICATIONS	539,444.52	500,000	0.11	5.15	9/15/2023
MML TOTAL RETURN BOND FUND	FIXED INCOME	FNMA POOL MA1607	769,416.54	770,560	0.16	3	10/1/2033
MML TOTAL RETURN BOND FUND	FIXED INCOME	MIDAMERICAN ENERGY CO	1,589,019.92	1,400,000	0.33	4.8	9/15/2043
MML TOTAL RETURN BOND FUND	FIXED INCOME	TENET HEALTHCARE CORP	25,772.50	26,000	0.01	4.5	4/1/2021
MML TOTAL RETURN BOND FUND	FIXED INCOME	NOBLE ENERGY INC	149,280.60	140,000	0.03	5.25	11/15/2043
MML TOTAL RETURN BOND FUND	FIXED INCOME	DUKE REALTY LP	1,016,034.47	1,000,000	0.21	3.875	2/15/2021
MML TOTAL RETURN BOND FUND	FIXED INCOME	T MOBILE USA INC	428,748.95	415,000	0.09	6.625	4/1/2023
MML TOTAL RETURN BOND FUND	FIXED INCOME	HCA INC	606,000.00	600,000	0.13	5	3/15/2024
MML TOTAL RETURN BOND FUND	FIXED INCOME	FNMA POOL 469621	1,593,405.53	1,554,260	0.33	3.65	11/1/2021
MML TOTAL RETURN BOND FUND	FIXED INCOME	FNMA POOL AM2808	370,337.55	375,000	0.08	2.7	3/1/2023
MML TOTAL RETURN BOND FUND	FIXED INCOME	AT+T INC	741,809.62	760,000	0.15	4.8	6/15/2044
MML TOTAL RETURN BOND FUND	FIXED INCOME	MACQUARIE BANK LTD	746,856.53	750,000	0.16	2.6	6/24/2019
MML TOTAL RETURN BOND FUND	FIXED INCOME	GENERAL MOTORS CO	500,732.29	500,000	0.10	3.5	10/2/2018
MML TOTAL RETURN BOND FUND	FIXED INCOME	GOLDMAN SACHS GROUP INC	1,860,000.00	1,860,000	0.39	6.15	4/1/2018
MML TOTAL RETURN BOND FUND	FIXED INCOME	MORGAN STANLEY	895,000.00	895,000	0.19	6.625	4/1/2018
MML TOTAL RETURN BOND FUND	FIXED INCOME	BANK OF AMERICA CORP	4,962,829.06	4,950,000	1.03	6.875	4/25/2018
MML TOTAL RETURN BOND FUND	FIXED INCOME	WASHINGTON MUTUAL MORTGAGE PAS	1,135,532.40	1,182,647	0.24	5.75	2/25/2036
MML TOTAL RETURN BOND FUND	FIXED INCOME	BEAR STEARNS ASSET BACKED SECU	834,909.59	831,583	0.17	2.2815	12/25/2035
MML TOTAL RETURN BOND FUND	FIXED INCOME	COUNTRYWIDE ASSET BACKED CERTI	1,204,982.02	1,245,682	0.25	4.76857	10/25/2046
MML TOTAL RETURN BOND FUND	FIXED INCOME	SLC STUDENT LOAN TRUST	2,216,386.49	2,300,000	0.46	2.2845	9/15/2039
MML TOTAL RETURN BOND FUND	FIXED INCOME	NOMURA ASSET ACCEPTANCE CORPOR	2,158,916.06	2,200,772	0.45	2.9415	2/25/2035
MML TOTAL RETURN BOND FUND	FIXED INCOME	WELLS FARGO HOME EQUITY TRUST	1,230,070.95	1,208,440	0.26	2.9215	10/25/2034
MML TOTAL RETURN BOND FUND	FIXED INCOME	JERSEY CENTRAL PWR + LT	509,206.74	425,000	0.11	6.4	5/15/2036
MML TOTAL RETURN BOND FUND	FIXED INCOME	CENTERPOINT ENERGY RESOU	716,737.89	595,000	0.15	6.25	2/1/2037
MML TOTAL RETURN BOND FUND	FIXED INCOME	GNMA II TBA 30 YR 4.5	6,364,424.69	6,130,000	1.33	4.5	5/21/2048
MML TOTAL RETURN BOND FUND	FIXED INCOME	COLLEGIATE FUNDING SERVICES ED	1,469,852.40	1,500,000	0.31	2.49496	3/28/2035
MML TOTAL RETURN BOND FUND	FIXED INCOME	GENERAL ELECTRIC CO	284,304.83	244,000	0.06	5.875	1/14/2038
MML TOTAL RETURN BOND FUND	FIXED INCOME	SAXON ASSET SECURITIES TRUST	2,107,103.22	2,495,211	0.44	2.1115	5/25/2047
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	(54,982.80)	(54,983)	0.01	0	
MML TOTAL RETURN BOND FUND	CASH	EURO CURRENCY	7.26	6	0.00	0	
MML TOTAL RETURN BOND FUND	FIXED INCOME	BANK OF AMERICA CORP	769,551.23	750,000	0.16	6.875	11/15/2018
MML TOTAL RETURN BOND FUND	FIXED INCOME	NORTHWEST AIR 2001 1 A1	416,147.06	376,604	0.09	7.041	10/1/2023
MML TOTAL RETURN BOND FUND	FIXED INCOME	FNMA TBA 30 YR 4.5	8,292,487.10	7,920,000	1.73	4.5	4/12/2048
MML TOTAL RETURN BOND FUND	FIXED INCOME	JERSEY CITY NJ MUNI UTILITIES	942,412.00	850,000	0.20	5.47	5/15/2027
MML TOTAL RETURN BOND FUND	FIXED INCOME	WELLS FARGO MORTGAGE BACKED SE	264,930.21	260,963	0.06	3.7682	1/25/2035
MML TOTAL RETURN BOND FUND	FIXED INCOME	WAMU MORTGAGE PASS THROUGH CER	1,069,879.78	1,076,141	0.22	2.2015	1/25/2045
MML TOTAL RETURN BOND FUND	FIXED INCOME	IMPAC CMB TRUST	1,317,980.46	1,372,492	0.27	2.3915	4/25/2035
MML TOTAL RETURN BOND FUND	FIXED INCOME	FIRST HORIZON MORTGAGE PASS TH	1,042,673.84	1,055,581	0.22	3.69214	11/25/2035

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

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	WAMU MORTGAGE PASS THROUGH CER	1,097,902.14	1,111,128	0.23	2.1615	10/25/2045
MML TOTAL RETURN BOND FUND	FIXED INCOME	FIRST FRANKLIN MTG LOAN ASSET	509,748.52	507,148	0.11	2.3415	7/25/2035
MML TOTAL RETURN BOND FUND	FIXED INCOME	ANTHEM INC	524,204.55	530,000	0.11	3.3	1/15/2023
MML TOTAL RETURN BOND FUND	FIXED INCOME	DUKE ENERGY CAROLINAS	1,006,999.58	1,000,000	0.21	4	9/30/2042
MML TOTAL RETURN BOND FUND	FIXED INCOME	MORGAN STANLEY BAML TRUST	1,755,575.73	1,780,000	0.37	2.858	11/15/2045
MML TOTAL RETURN BOND FUND	FIXED INCOME	DISH DBS CORP	95,625.00	100,000	0.02	5.875	7/15/2022
MML TOTAL RETURN BOND FUND	FIXED INCOME	HCP INC	494,801.62	500,000	0.10	2.625	2/1/2020
MML TOTAL RETURN BOND FUND	FIXED INCOME	BANC OF AMERICA MERRILL LYNCH	371,452.31	375,000	0.08	2.959	12/10/2030
MML TOTAL RETURN BOND FUND	FIXED INCOME	FNMA POOL AM1402	924,738.44	945,000	0.19	2.42	11/1/2022
MML TOTAL RETURN BOND FUND	FIXED INCOME	FNMA POOL AM0992	799,914.84	820,000	0.17	2.34	11/1/2022
MML TOTAL RETURN BOND FUND	FIXED INCOME	ROCKIES EXPRESS PIPELINE	231,990.00	228,000	0.05	6	1/15/2019
MML TOTAL RETURN BOND FUND	FIXED INCOME	REYNOLDS GRP ISS/REYNOLD	402,300.85	397,334	0.08	5.75	10/15/2020
MML TOTAL RETURN BOND FUND	FIXED INCOME	AIR LEASE CORP	879,027.52	855,000	0.18	4.75	3/1/2020
MML TOTAL RETURN BOND FUND	FIXED INCOME	KINDER MORGAN ENER PART	554,499.10	567,000	0.12	3.5	9/1/2023
MML TOTAL RETURN BOND FUND	FIXED INCOME	KANSAS CITY POWER + LT	493,707.93	500,000	0.10	3.15	3/15/2023
MML TOTAL RETURN BOND FUND	FIXED INCOME	HEALTHCARE REALTY TRUST	235,431.81	235,000	0.05	3.75	4/15/2023
MML TOTAL RETURN BOND FUND	FIXED INCOME	AMERICAN CAMPUS CMNTYS	649,852.85	650,000	0.14	3.75	4/15/2023
MML TOTAL RETURN BOND FUND	FIXED INCOME	COMM MORTGAGE TRUST	397,500.75	390,000	0.08	3.4244	3/10/2031
MML TOTAL RETURN BOND FUND	FIXED INCOME	SOFTBANK GROUP CORP	203,960.00	200,000	0.04	4.5	4/15/2020
MML TOTAL RETURN BOND FUND	FIXED INCOME	INDYMAC INDX MORTGAGE LOAN TRU	1,514,523.95	2,193,325	0.32	2.1415	10/25/2036
MML TOTAL RETURN BOND FUND	FIXED INCOME	BERKSHIRE HATHAWAY FIN	528,828.43	500,000	0.11	4.3	5/15/2043
MML TOTAL RETURN BOND FUND	FIXED INCOME	FIRST QUALITY FINANCE CO	89,550.00	90,000	0.02	4.625	5/15/2021
MML TOTAL RETURN BOND FUND	FIXED INCOME	CITIGROUP COMMERCIAL MORTGAGE	337,926.82	340,000	0.07	3.251	5/10/2035
MML TOTAL RETURN BOND FUND	FIXED INCOME	CITIGROUP MORTGAGE LOAN TRUST	2,386,972.32	2,400,000	0.50	2.1615	8/25/2036
MML TOTAL RETURN BOND FUND	FIXED INCOME	FORD MOTOR CREDIT CO LLC	871,497.98	805,000	0.18	8.125	1/15/2020
MML TOTAL RETURN BOND FUND	FIXED INCOME	BOSTON SCIENTIFIC CORP	682,083.24	650,000	0.14	6	1/15/2020
MML TOTAL RETURN BOND FUND	FIXED INCOME	GNMA II TBA 30 YR 4	1,043,388.33	1,015,000	0.22	4	4/19/2048
MML TOTAL RETURN BOND FUND	FIXED INCOME	ROCKIES EXPRESS PIPELINE	160,426.55	155,000	0.03	5.625	4/15/2020
MML TOTAL RETURN BOND FUND	FIXED INCOME	CALIFORNIA ST	930,724.50	850,000	0.19	7.95	3/1/2036
MML TOTAL RETURN BOND FUND	FIXED INCOME	L3 TECHNOLOGIES INC	773,117.78	750,000	0.16	5.2	10/15/2019
MML TOTAL RETURN BOND FUND	FIXED INCOME	FNMA POOL AD6374	34,942.01	32,350	0.01	5	5/1/2040
MML TOTAL RETURN BOND FUND	FIXED INCOME	CSC HOLDINGS LLC	104,317.00	100,000	0.02	8.625	2/15/2019
MML TOTAL RETURN BOND FUND	FIXED INCOME	MORGAN STANLEY	262,601.92	250,000	0.05	5.5	7/24/2020
MML TOTAL RETURN BOND FUND	FIXED INCOME	INTL LEASE FINANCE CORP	1,016,654.73	1,000,000	0.21	7.125	9/1/2018
MML TOTAL RETURN BOND FUND	FIXED INCOME	DUQUESNE LIGHT HOLDINGS	1,070,061.53	1,000,000	0.22	6.4	9/15/2020
MML TOTAL RETURN BOND FUND	FIXED INCOME	NEW YORK ST DORM AUTH ST PERSO	851,205.00	750,000	0.18	5.289	3/15/2033
MML TOTAL RETURN BOND FUND	FIXED INCOME	WELLS FARGO COMMERCIAL MORTGAG	515,526.90	500,000	0.11	4.393	11/15/2043
MML SHORT-DURATION BOND FUND	FIXED INCOME	GNMA POOL 478658	491.01	428	0.00	7	5/15/2029
MML SHORT-DURATION BOND FUND	FIXED INCOME	GNMA POOL 491089	1,987.16	1,789	0.00	7	12/15/2028
MML SHORT-DURATION BOND FUND	FIXED INCOME	FNMA POOL 602008	961.98	827	0.00	8	8/1/2031
MML SHORT-DURATION BOND FUND	FIXED INCOME	FNMA POOL 190317	803.66	687	0.00	8	8/1/2031
MML SHORT-DURATION BOND FUND	FIXED INCOME	FNMA POOL 597220	746.30	636	0.00	8	9/1/2031
MML SHORT-DURATION BOND FUND	FIXED INCOME	FNMA POOL 596656	269.81	258	0.00	8	8/1/2031
MML SHORT-DURATION BOND FUND	FIXED INCOME	GNMA POOL 581417	2,773.36	2,417	0.00	7	7/15/2032
MML SHORT-DURATION BOND FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	50,000.00	50,000	0.02	4.49	6/17/2030
MML SHORT-DURATION BOND FUND	FIXED INCOME	BRAZOS STUDENT FINANCE CORP	196,974.00	200,000	0.08	1.729	7/1/2038
MML SHORT-DURATION BOND FUND	FIXED INCOME	COUNTRYWIDE HOME LOANS	3,628.04	3,552	0.00	3.71823	2/25/2034
MML SHORT-DURATION BOND FUND	FIXED INCOME	COUNTRYWIDE ASSET BACKED CERTI	18,593.34	18,605	0.01	2.3315	9/25/2034
MML SHORT-DURATION BOND FUND	FIXED INCOME	INDYMAC INDX MORTGAGE LOAN TRU	8,602.55	8,757	0.00	3.33334	8/25/2034
MML SHORT-DURATION BOND FUND	FIXED INCOME	BANC OF AMERICA MORTGAGE SECUR	7,957.84	7,867	0.00	3.79954	8/25/2034
MML SHORT-DURATION BOND FUND	FIXED INCOME	ACCESS GROUP INC	55,520.80	58,852	0.02	3.14363	7/1/2038
MML SHORT-DURATION BOND FUND	FIXED INCOME	TIAA SEASONED COMMERCIAL MORTG	24,562.82	24,659	0.01	5.47658	8/15/2039

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

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	SLM STUDENT LOAN TRUST	115,508.30	120,000	0.05	1.8552	1/26/2043
MML SHORT-DURATION BOND FUND	FIXED INCOME	WACHOVIA BANK COMMERCIAL MORTG	227,167.72	224,939	0.09	6.0112	2/15/2051
MML SHORT-DURATION BOND FUND	FIXED INCOME	ACE SECURITIES CORP.	9,781.79	9,774	0.00	2.5315	11/25/2035
MML SHORT-DURATION BOND FUND	FIXED INCOME	FNMA POOL 888586	26,603.74	25,297	0.01	3.302	10/1/2034
MML SHORT-DURATION BOND FUND	FIXED INCOME	FNMA POOL 523499	63.70	55	0.00	8	11/1/2029
MML SHORT-DURATION BOND FUND	FIXED INCOME	FNMA POOL 775539	9,350.31	8,967	0.00	3.475	5/1/2034
MML SHORT-DURATION BOND FUND	FIXED INCOME	ISRAEL ELECTRIC CORP LTD	866,252.00	850,000	0.35	7.25	1/15/2019
MML SHORT-DURATION BOND FUND	FIXED INCOME	REGIONS BANK	130,722.87	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	0	
MML SHORT-DURATION BOND FUND	EQUITY	SWAP CREDIT SUISSE BOC	(1,100,000.00)	(1,100,000)	0.45	0	
MML SHORT-DURATION BOND FUND	FIXED INCOME	ENTERGY TEXAS INC	824,053.05	798,000	0.33	7.125	2/1/2019
MML SHORT-DURATION BOND FUND	FIXED INCOME	DOW CHEMICAL CO/THE	132,677.39	125,000	0.05	8.55	5/15/2019
MML SHORT-DURATION BOND FUND	FIXED INCOME	HOLCIM US FINANCE SARL +	1,215,606.37	1,160,000	0.49	6	12/30/2019
MML SHORT-DURATION BOND FUND	FIXED INCOME	WEYERHAEUSER CO	143,624.91	135,000	0.06	7.375	10/1/2019
MML SHORT-DURATION BOND FUND	FIXED INCOME	RPM INTERNATIONAL INC	1,127,693.74	1,078,000	0.46	6.125	10/15/2019
MML SHORT-DURATION BOND FUND	FIXED INCOME	MAJAPAHIT HOLDING BV	353,991.00	330,000	0.14	7.75	1/20/2020
MML SHORT-DURATION BOND FUND	FIXED INCOME	INCITEC PIVOT FIN LLC	941,794.21	902,000	0.38	6	12/10/2019
MML SHORT-DURATION BOND FUND	FIXED INCOME	LINCOLN NATIONAL CORP	528,598.54	500,000	0.21	6.25	2/15/2020
MML SHORT-DURATION BOND FUND	FIXED INCOME	GNMA II POOL 082462	68,670.35	66,089	0.03	2.375	1/20/2040
MML SHORT-DURATION BOND FUND	FIXED INCOME	MASCO CORP	69,693.65	65,000	0.03	7.125	3/15/2020
MML SHORT-DURATION BOND FUND	FIXED INCOME	L3 TECHNOLOGIES INC	912,278.97	885,000	0.37	5.2	10/15/2019
MML SHORT-DURATION BOND FUND	FIXED INCOME	CREDIT SUISSE SEASONED LOAN TR	118,594.88	118,779	0.05	2.1115	10/25/2034
MML SHORT-DURATION BOND FUND	FIXED INCOME	SVB FINANCIAL GROUP	79,058.44	75,000	0.03	5.375	9/15/2020
MML SHORT-DURATION BOND FUND	FIXED INCOME	321 HENDERSON RECEIVABLES LLC	254,699.03	253,679	0.10	3.82	12/15/2048
MML SHORT-DURATION BOND FUND	FIXED INCOME	CNA FINANCIAL CORP	583,503.90	543,000	0.24	5.75	8/15/2021
MML SHORT-DURATION BOND FUND	FIXED INCOME	GSAMP TRUST	22,543.22	22,396	0.01	2.5165	4/25/2035
MML SHORT-DURATION BOND FUND	FIXED INCOME	CIGNA CORP	815,192.57	790,000	0.33	4.5	3/15/2021
MML SHORT-DURATION BOND FUND	FIXED INCOME	COLLEGE LOAN CORPORATON TRUST	213,338.84	233,958	0.09	2.21019	1/15/2037
MML SHORT-DURATION BOND FUND	FIXED INCOME	WILLIS TOWERS WATSON PLC	393,775.15	370,000	0.16	5.75	3/15/2021
MML SHORT-DURATION BOND FUND	FIXED INCOME	ASCIANO FINANCE LTD	717,154.86	717,000	0.29	5	4/7/2018
MML SHORT-DURATION BOND FUND	FIXED INCOME	LOUISIANA ST PUBLIC FACS AUTH	58,753.75	58,591	0.02	2.6452	4/26/2027
MML SHORT-DURATION BOND FUND	FIXED INCOME	REINSURANCE GRP OF AMER	734,399.20	700,000	0.30	5	6/1/2021
MML SHORT-DURATION BOND FUND	FIXED INCOME	PUGET ENERGY INC	275,058.38	255,000	0.11	6.5	12/15/2020
MML SHORT-DURATION BOND FUND	FIXED INCOME	TRIP RAIL MASTER FUNDING LLC	707,306.11	669,679	0.29	6.024	7/15/2041
MML SHORT-DURATION BOND FUND	FIXED INCOME	PUGET ENERGY INC	282,045.12	260,000	0.11	6	9/1/2021
MML SHORT-DURATION BOND FUND	FIXED INCOME	XLIT LTD	501,950.06	465,000	0.20	5.75	10/1/2021
MML SHORT-DURATION BOND FUND	FIXED INCOME	BANCOLOMBIA SA	365,700.00	345,000	0.15	5.95	6/3/2021
MML SHORT-DURATION BOND FUND	FIXED INCOME	CIGNA CORP	321,356.54	316,000	0.13	4	2/15/2022
MML SHORT-DURATION BOND FUND	FIXED INCOME	FNMA POOL 530299	78.56	70	0.00	7.5	3/1/2030
MML SHORT-DURATION BOND FUND	FIXED INCOME	GNMA POOL 493723	572.59	498	0.00	7	8/15/2029
MML SHORT-DURATION BOND FUND	CASH	US DOLLAR	126,889.15	126,889	0.05	0	
MML SHORT-DURATION BOND FUND	CASH	EURO CURRENCY	5.81	5	0.00	0	
MML SHORT-DURATION BOND FUND	FIXED INCOME	HIGHWOODS REALTY LP	25,039.35	25,000	0.01	7.5	4/15/2018
MML SHORT-DURATION BOND FUND	FIXED INCOME	FNMA POOL 253437	41.18	35	0.00	8	9/1/2030
MML SHORT-DURATION BOND FUND	FIXED INCOME	FNMA POOL 253481	17.88	15	0.00	8	10/1/2030
MML SHORT-DURATION BOND FUND	FIXED INCOME	FED HM LN PC POOL C01079	401.78	349	0.00	7.5	10/1/2030
MML SHORT-DURATION BOND FUND	FIXED INCOME	FED HM LN PC POOL C01135	1,234.83	1,073	0.00	7.5	2/1/2031
MML SHORT-DURATION BOND FUND	FIXED INCOME	FNMA POOL 575667	2,762.35	2,392	0.00	7	3/1/2031
MML SHORT-DURATION BOND FUND	FIXED INCOME	MERRILL LYNCH MORTGAGE INVESTO	669.02	720	0.00	3.52401	2/25/2034
MML SHORT-DURATION BOND FUND	FIXED INCOME	OPTION ONE MORTGAGE LOAN TRUST	21,611.58	21,605	0.01	2.0815	12/25/2035
MML SHORT-DURATION BOND FUND	FIXED INCOME	COUNTRYWIDE PARTNERSHIP TRUST	100,179.73	102,644	0.04	2.7715	2/25/2035
MML SHORT-DURATION BOND FUND	FIXED INCOME	MORGAN STANLEY MORTGAGE LOAN T	46.50	43	0.00	3.49997	2/25/2034

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

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	LONG BEACH MORTGAGE LOAN TRUST	20,624.28	20,615	0.01	2.6965	6/25/2035
MML SHORT-DURATION BOND FUND	FIXED INCOME	RAAC SERIES	42,344.19	42,424	0.02	2.1215	2/25/2037
MML SHORT-DURATION BOND FUND	FIXED INCOME	GCCFC COMMERCIAL MORTGAGE TRUS	139,880.81	138,194	0.06	5.73606	7/10/2038
MML SHORT-DURATION BOND FUND	FIXED INCOME	ACE SECURITIES CORP.	36,780.57	36,440	0.01	2.6065	8/25/2035
MML SHORT-DURATION BOND FUND	FIXED INCOME	COUNTRYWIDE HOME LOANS	1,272.21	1,366	0.00	3.88666	9/25/2036
MML SHORT-DURATION BOND FUND	FIXED INCOME	GSR MORTGAGE LOAN TRUST	1,436.59	1,435	0.00	3.59628	8/25/2034
MML SHORT-DURATION BOND FUND	FIXED INCOME	MORGAN STANLEY CAPITAL INC	1,412.27	1,411	0.00	2.8165	4/25/2035
MML SHORT-DURATION BOND FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	149,441.24	150,000	0.06	2.0452	7/25/2025
MML SHORT-DURATION BOND FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	278,901.53	280,000	0.11	1.8852	10/25/2028
MML SHORT-DURATION BOND FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	181,612.17	192,585	0.07	2.0552	1/25/2055
MML SHORT-DURATION BOND FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	456,227.25	477,997	0.19	2.0413	1/25/2041
MML SHORT-DURATION BOND FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	192,771.18	200,000	0.08	1.8952	3/25/2044
MML SHORT-DURATION BOND FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	712,046.00	755,777	0.29	1.9652	3/25/2044
MML SHORT-DURATION BOND FUND	FIXED INCOME	KEYCORP STUDENT LOAN TRUST	73,711.08	73,973	0.03	2.60155	9/27/2035
MML SHORT-DURATION BOND FUND	FIXED INCOME	SLC STUDENT LOAN TRUST	2,126.53	2,127	0.00	1.89019	7/15/2036
MML SHORT-DURATION BOND FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	96,660.62	100,000	0.04	1.8852	1/27/2042
MML SHORT-DURATION BOND FUND	FIXED INCOME	EXPEDIA INC	1,167,100.31	1,148,000	0.47	7.456	8/15/2018
MML SHORT-DURATION BOND FUND	FIXED INCOME	GNMA POOL 371146	108.54	102	0.00	7	9/15/2023
MML SHORT-DURATION BOND FUND	FIXED INCOME	FNMA POOL 534703	614.78	526	0.00	8	5/1/2030
MML SHORT-DURATION BOND FUND	FIXED INCOME	FNMA POOL 529453	596.16	516	0.00	7.5	1/1/2030
MML SHORT-DURATION BOND FUND	FIXED INCOME	FNMA POOL 536386	99.13	86	0.00	7.5	4/1/2030
MML SHORT-DURATION BOND FUND	FIXED INCOME	SPRINT COMMUNICATIONS	558,600.00	490,000	0.23	9.25	4/15/2022
MML SHORT-DURATION BOND FUND	FIXED INCOME	GNMA POOL 500928	938.34	820	0.00	7	5/15/2029
MML SHORT-DURATION BOND FUND	FIXED INCOME	FNMA POOL 252926	42.29	36	0.00	8	12/1/2029
MML SHORT-DURATION BOND FUND	FIXED INCOME	GNMA POOL 352022	1,333.60	1,227	0.00	7	11/15/2023
MML SHORT-DURATION BOND FUND	FIXED INCOME	GNMA POOL 510083	263.50	231	0.00	7	7/15/2029
MML SHORT-DURATION BOND FUND	FIXED INCOME	FNMA POOL 531196	75.56	66	0.00	7.5	2/1/2030
MML SHORT-DURATION BOND FUND	FIXED INCOME	FLAGSHIP CREDIT AUTO TRUST	33,745.36	33,814	0.01	1.98	10/15/2020
MML SHORT-DURATION BOND FUND	FIXED INCOME	EXETER AUTOMOBILE RECEIVABLES	652,909.73	650,000	0.27	3.9	3/15/2021
MML SHORT-DURATION BOND FUND	FIXED INCOME	ALLY FINANCIAL INC	440,000.00	440,000	0.18	3.6	5/21/2018
MML SHORT-DURATION BOND FUND	FIXED INCOME	ITAU UNIBANCO HLDG SA/KY	269,870.40	270,000	0.11	2.85	5/26/2018
MML SHORT-DURATION BOND FUND	FIXED INCOME	NELNET STUDENT LOAN TRUST	121,707.78	130,000	0.05	3.1207	6/25/2054
MML SHORT-DURATION BOND FUND	FIXED INCOME	CNH INDUSTRIAL CAPITAL L	352,117.50	353,000	0.14	3.375	7/15/2019
MML SHORT-DURATION BOND FUND	FIXED INCOME	WELK RESORTS LLC	92,756.20	94,377	0.04	2.79	6/16/2031
MML SHORT-DURATION BOND FUND	FIXED INCOME	BCC FUNDING CORP	23,287.77	23,326	0.01	2.224	10/20/2020
MML SHORT-DURATION BOND FUND	FIXED INCOME	DRB PRIME STUDENT LOAN TRUST	60,841.47	61,414	0.02	2.32	4/25/2030
MML SHORT-DURATION BOND FUND	FIXED INCOME	BM1047968 CDS USD R F 3.00000	349,595.47	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	CAZENOVIA CREEK FUNDING LLC	71,010.16	71,099	0.03	2	12/10/2023
MML SHORT-DURATION BOND FUND	FIXED INCOME	SIERRA RECEIVABLES FUNDING CO	324,720.95	327,547	0.13	2.43	6/20/2032
MML SHORT-DURATION BOND FUND	FIXED INCOME	ENTERGY NEW ORLEANS STORE RECO	76,425.76	77,694	0.03	2.67	6/1/2027
MML SHORT-DURATION BOND FUND	FIXED INCOME	IMPERIAL BRANDS FIN PLC	1,079,209.85	1,087,000	0.44	2.95	7/21/2020
MML SHORT-DURATION BOND FUND	FIXED INCOME	ACCESS GROUP INC	261,423.49	259,607	0.11	2.5715	7/25/2056
MML SHORT-DURATION BOND FUND	FIXED INCOME	ACCESS GROUP INC	124,772.65	140,000	0.05	3.3715	7/25/2058
MML SHORT-DURATION BOND FUND	FIXED INCOME	DIAMOND RESORTS OWNER TRUST	73,020.47	73,974	0.03	2.73	7/20/2027
MML SHORT-DURATION BOND FUND	FIXED INCOME	LEIDOS HOLDINGS INC	1,111,425.00	1,095,000	0.45	4.45	12/1/2020
MML SHORT-DURATION BOND FUND	FIXED INCOME	JPMORGAN CHASE + CO	1,134,032.72	1,090,000	0.46	4.5	1/24/2022
MML SHORT-DURATION BOND FUND	FIXED INCOME	HUGHES SATELLITE SYSTEMS	1,115,490.00	1,083,000	0.45	6.5	6/15/2019
MML SHORT-DURATION BOND FUND	FIXED INCOME	DRUG ROYALTY CORPORATION, INC.	29,892.18	29,667	0.01	6.13	7/15/2024
MML SHORT-DURATION BOND FUND	FIXED INCOME	ERICSSON LM	1,191,383.09	1,200,000	0.48	4.125	5/15/2022
MML SHORT-DURATION BOND FUND	FIXED INCOME	KINROSS GOLD CORP	591,432.00	570,000	0.24	5.125	9/1/2021
MML SHORT-DURATION BOND FUND	FIXED INCOME	LYONDELLBASELL IND NV	573,557.94	565,000	0.23	5	4/15/2019

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

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	LYONDELLBASELL IND NV	539,745.13	500,000	0.22	6	11/15/2021
MML SHORT-DURATION BOND FUND	FIXED INCOME	US TREASURY N/B	1,768,939.38	1,800,000	0.72	0.875	7/31/2019
MML SHORT-DURATION BOND FUND	FIXED INCOME	CONTINENTAL RESOURCES	719,762.50	710,000	0.29	5	9/15/2022
MML SHORT-DURATION BOND FUND	FIXED INCOME	GNMA II POOL 082488	82,088.99	78,998	0.03	2.375	3/20/2040
MML SHORT-DURATION BOND FUND	FIXED INCOME	NEWCREST FINANCE PTY LTD	572,827.91	565,000	0.23	4.2	10/1/2022
MML SHORT-DURATION BOND FUND	FIXED INCOME	RPM INTERNATIONAL INC	8,009.66	8,000	0.00	3.45	11/15/2022
MML SHORT-DURATION BOND FUND	FIXED INCOME	GLENORE FINANCE CANADA	359,123.73	354,000	0.15	4.25	10/25/2022
MML SHORT-DURATION BOND FUND	FIXED INCOME	ARL LLC	198,823.10	197,416	0.08	3.3375	12/15/2042
MML SHORT-DURATION BOND FUND	FIXED INCOME	WILLIAMS COMPANIES INC	1,235,075.00	1,270,000	0.50	3.7	1/15/2023
MML SHORT-DURATION BOND FUND	FIXED INCOME	MORGAN STANLEY	1,333,981.57	1,320,000	0.54	3.75	2/25/2023
MML SHORT-DURATION BOND FUND	FIXED INCOME	INTL LEASE FINANCE CORP	100,018.00	100,000	0.04	3.875	4/15/2018
MML SHORT-DURATION BOND FUND	FIXED INCOME	GRAPHIC PACKAGING INTERN	1,111,832.20	1,094,000	0.45	4.75	4/15/2021
MML SHORT-DURATION BOND FUND	FIXED INCOME	FRS LLC	28,556.83	28,783	0.01	1.8	4/15/2043
MML SHORT-DURATION BOND FUND	FIXED INCOME	GLOBAL SC FINANCE SRL	147,800.14	149,958	0.06	2.98	4/17/2028
MML SHORT-DURATION BOND FUND	FIXED INCOME	BRUNSWICK CORP	1,398,642.92	1,388,000	0.57	4.625	5/15/2021
MML SHORT-DURATION BOND FUND	FIXED INCOME	HIGHER EDUCATION FUNDING	833,456.85	950,000	0.34	2.159	1/1/2044
MML SHORT-DURATION BOND FUND	FIXED INCOME	CPS AUTO TRUST	64,097.43	64,098	0.03	1.82	9/15/2020
MML SHORT-DURATION BOND FUND	FIXED INCOME	LCM LTD PARTNERSHIP	492,039.50	491,962	0.20	2.87152	7/15/2025
MML SHORT-DURATION BOND FUND	FIXED INCOME	CREDIT SUISSE ABS REPACKAGING	93,361.76	101,104	0.04	2.5	1/25/2030
MML SHORT-DURATION BOND FUND	FIXED INCOME	MVV OWNER TRUST	86,529.32	87,689	0.04	2.15	4/22/2030
MML SHORT-DURATION BOND FUND	FIXED INCOME	CNH INDUSTRIAL CAPITAL L	100,025.00	100,000	0.04	3.625	4/15/2018
MML SHORT-DURATION BOND FUND	FIXED INCOME	HILTON GRAND VACATIONS TRUST	92,540.02	93,529	0.04	2.28	1/25/2026
MML SHORT-DURATION BOND FUND	FIXED INCOME	DISCOVER BANK	316,205.68	310,000	0.13	4.2	8/8/2023
MML SHORT-DURATION BOND FUND	FIXED INCOME	LINCOLN NATIONAL CORP	124,628.02	122,000	0.05	4	9/1/2023
MML SHORT-DURATION BOND FUND	FIXED INCOME	ALLY FINANCIAL INC	927,084.00	920,000	0.38	4.75	9/10/2018
MML SHORT-DURATION BOND FUND	FIXED INCOME	JBS INVESTMENTS GMBH	206,100.00	200,000	0.08	7.75	10/28/2020
MML SHORT-DURATION BOND FUND	FIXED INCOME	SUMITOMO MITSUI FINL GRP	147,475.96	150,000	0.06	2.846	1/11/2022
MML SHORT-DURATION BOND FUND	FIXED INCOME	CPS AUTO TRUST	1,145,152.75	1,150,000	0.47	2.68	5/17/2021
MML SHORT-DURATION BOND FUND	FIXED INCOME	ATHENE GLOBAL FUNDING	1,255,335.97	1,240,000	0.51	4	1/25/2022
MML SHORT-DURATION BOND FUND	FIXED INCOME	PARK AEROSPACE HOLDINGS	1,180,538.50	1,205,000	0.48	5.25	8/15/2022
MML SHORT-DURATION BOND FUND	FIXED INCOME	LAZARD GROUP LLC	1,223,105.94	1,190,000	0.50	4.25	11/14/2020
MML SHORT-DURATION BOND FUND	FIXED INCOME	DIAMOND RESORTS OWNER TRUST	82,270.08	82,273	0.03	2.27	5/20/2026
MML SHORT-DURATION BOND FUND	FIXED INCOME	COMM MORTGAGE TRUST	290,727.64	290,000	0.12	3.147	2/10/2047
MML SHORT-DURATION BOND FUND	FIXED INCOME	NELNET STUDENT LOAN TRUST	162,689.18	170,000	0.07	3.1207	10/25/2047
MML SHORT-DURATION BOND FUND	FIXED INCOME	HYUNDAI CAPITAL AMERICA	139,613.81	140,000	0.06	2.55	2/6/2019
MML SHORT-DURATION BOND FUND	FIXED INCOME	HCA INC	1,134,294.00	1,130,000	0.46	3.75	3/15/2019
MML SHORT-DURATION BOND FUND	FIXED INCOME	LEAR CORP	1,174,624.04	1,120,000	0.48	5.375	3/15/2024
MML SHORT-DURATION BOND FUND	FIXED INCOME	AMERICREDIT AUTOMOBILE RECEIVA	209,864.40	210,000	0.09	2.54	6/8/2020
MML SHORT-DURATION BOND FUND	FIXED INCOME	321 HENDERSON RECEIVABLES LLC	80,552.78	82,157	0.03	1.9766	3/15/2041
MML SHORT-DURATION BOND FUND	FIXED INCOME	TURKIYE GARANTI BANKASI	372,381.32	370,000	0.15	4.75	10/17/2019
MML SHORT-DURATION BOND FUND	FIXED INCOME	TAL ADVANTAGE LLC	7,551.00	7,550	0.00	1.7	5/20/2039
MML SHORT-DURATION BOND FUND	FIXED INCOME	ANTERO RESOURCES CORP	250,305.00	246,000	0.10	5.375	11/1/2021
MML SHORT-DURATION BOND FUND	FIXED INCOME	HILTON GRAND VACATIONS TRUST	113,045.55	115,647	0.05	1.77	11/25/2026
MML SHORT-DURATION BOND FUND	FIXED INCOME	QVC INC	576,684.07	577,000	0.23	3.125	4/1/2019
MML SHORT-DURATION BOND FUND	FIXED INCOME	PENSKE TRUCK LEASING/PTL	368,143.16	370,000	0.15	2.5	6/15/2019
MML SHORT-DURATION BOND FUND	FIXED INCOME	DRUG ROYALTY II LP 1	92,782.17	92,075	0.04	4.57152	7/15/2023
MML SHORT-DURATION BOND FUND	FIXED INCOME	FS INVESTMENT CORP	472,348.36	470,000	0.19	4	7/15/2019
MML SHORT-DURATION BOND FUND	FIXED INCOME	SIERRA RECEIVABLES FUNDING CO	109,784.73	110,428	0.04	2.05	6/20/2031
MML SHORT-DURATION BOND FUND	FIXED INCOME	TYSON FOODS INC	59,660.31	60,000	0.02	2.65	8/15/2019
MML SHORT-DURATION BOND FUND	FIXED INCOME	ORANGE LAKE TIMESHARE TRUST	33,686.85	34,533	0.01	2.29	7/9/2029
MML SHORT-DURATION BOND FUND	FIXED INCOME	MIRAMAX LLC	104,683.63	105,072	0.04	3.34	7/20/2026
MML SHORT-DURATION BOND FUND	FIXED INCOME	AMTRUST FINANCIAL SERVIC	564,930.38	585,000	0.23	6.125	8/15/2023

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

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	AMER AIRLN 14 1 B PTT	29,616.32	29,513	0.01	4.375	4/1/2024
MML SHORT-DURATION BOND FUND	FIXED INCOME	WESTGATE RESORTS	87,141.71	87,850	0.04	2.15	12/20/2026
MML SHORT-DURATION BOND FUND	FIXED INCOME	NAVIENT STUDENT LOAN TRUST	241,141.65	244,466	0.10	2.74	2/15/2029
MML SHORT-DURATION BOND FUND	FIXED INCOME	NUVEEN FINANCE LLC	1,152,528.73	1,155,000	0.47	2.95	11/1/2019
MML SHORT-DURATION BOND FUND	FIXED INCOME	GATX CORP	569,764.67	575,000	0.23	2.6	3/30/2020
MML SHORT-DURATION BOND FUND	FIXED INCOME	GOVERNMENT NATIONAL MORTGAGE A	147,929.52	142,829	0.06	2.83237	5/20/2041
MML SHORT-DURATION BOND FUND	FIXED INCOME	SIERRA RECEIVABLES FUNDING CO	166,785.81	167,818	0.07	2.3	10/20/2031
MML SHORT-DURATION BOND FUND	FIXED INCOME	KLA TENCOR CORP	141,050.12	140,000	0.06	3.375	11/1/2019
MML SHORT-DURATION BOND FUND	FIXED INCOME	HERCULES CAPITAL FUNDING TRUST	64,917.65	64,918	0.03	3.524	4/16/2021
MML SHORT-DURATION BOND FUND	FIXED INCOME	EDP FINANCE BV	662,171.20	652,000	0.27	4.125	1/15/2020
MML SHORT-DURATION BOND FUND	FIXED INCOME	DIAMOND RESORTS OWNER TRUST	34,504.00	34,640	0.01	2.54	5/20/2027
MML SHORT-DURATION BOND FUND	FIXED INCOME	LENNAR CORP	1,136,460.00	1,128,000	0.46	4.5	11/15/2019
MML SHORT-DURATION BOND FUND	FIXED INCOME	ARES CAPITAL CORP	685,055.91	678,000	0.28	3.875	1/15/2020
MML SHORT-DURATION BOND FUND	FIXED INCOME	OXFORD FINANCE FUNDING TRUST	35,136.67	35,497	0.01	3.475	12/15/2022
MML SHORT-DURATION BOND FUND	FIXED INCOME	DONG FANG CONTAINER FINANCE SP	49,667.82	50,000	0.02	1.95	11/25/2039
MML SHORT-DURATION BOND FUND	FIXED INCOME	PENSKE TRUCK LEASING/PTL	614,661.81	615,000	0.25	3.05	1/9/2020
MML SHORT-DURATION BOND FUND	FIXED INCOME	LABORATORY CORP OF AMER	466,292.55	470,000	0.19	2.625	2/1/2020
MML SHORT-DURATION BOND FUND	FIXED INCOME	CFC LLC	26,827.51	26,872	0.01	1.75	6/15/2021
MML SHORT-DURATION BOND FUND	FIXED INCOME	ZIMMER BIOMET HOLDINGS	528,000.00	528,000	0.21	2	4/1/2018
MML SHORT-DURATION BOND FUND	FIXED INCOME	OSCAR US FUNDING TRUST	298,299.90	300,000	0.12	2.44	6/15/2022
MML SHORT-DURATION BOND FUND	FIXED INCOME	SIERRA RECEIVABLES FUNDING CO	417,212.21	418,672	0.17	3.05	3/22/2032
MML SHORT-DURATION BOND FUND	FIXED INCOME	OSCAR US FUNDING TRUST	157,982.93	158,285	0.06	1.86	10/15/2019
MML SHORT-DURATION BOND FUND	FIXED INCOME	SANTANDER DRIVE AUTO RECEIVABL	372,195.07	372,389	0.15	2.44	4/15/2021
MML SHORT-DURATION BOND FUND	FIXED INCOME	HARRIS CORPORATION	1,143,844.56	1,154,000	0.46	2.7	4/27/2020
MML SHORT-DURATION BOND FUND	FIXED INCOME	HERO FUNDING TRUST	776,896.23	764,571	0.32	3.84	9/21/2040
MML SHORT-DURATION BOND FUND	FIXED INCOME	ABBVIE INC	944,310.99	945,000	0.38	1.8	5/14/2018
MML SHORT-DURATION BOND FUND	FIXED INCOME	BOSTON SCIENTIFIC CORP	253,341.99	255,000	0.10	2.85	5/15/2020
MML SHORT-DURATION BOND FUND	FIXED INCOME	AERCAP IRELAND CAP/GLOBA	1,034,576.35	1,010,000	0.42	4.5	5/15/2021
MML SHORT-DURATION BOND FUND	FIXED INCOME	CELGENE CORP	1,165,366.93	1,170,000	0.47	2.875	8/15/2020
MML SHORT-DURATION BOND FUND	FIXED INCOME	ELARA HGV TIMESHARE ISSUER	86,964.40	89,573	0.04	3.02	2/25/2027
MML SHORT-DURATION BOND FUND	FIXED INCOME	RYDER SYSTEM INC	337,865.74	340,000	0.14	2.875	9/1/2020
MML SHORT-DURATION BOND FUND	FIXED INCOME	SOFI CONSUMER LOAN PROGRAM TRU	442,046.97	441,236	0.18	3.28	9/15/2023
MML SHORT-DURATION BOND FUND	FIXED INCOME	MARRIOTT INTERNATIONAL	866,848.44	875,000	0.35	2.875	3/1/2021
MML SHORT-DURATION BOND FUND	FIXED INCOME	MARLETTE FUNDING TRUST	361,371.53	361,341	0.15	2.827	3/15/2024
MML SHORT-DURATION BOND FUND	FIXED INCOME	GENPACT LUXEMBOURG SARL	1,015,691.59	1,035,000	0.41	3.7	4/1/2022
MML SHORT-DURATION BOND FUND	FIXED INCOME	CAPITAL AUTOMOTIVE REIT	257,246.63	257,617	0.10	3.87	4/15/2047
MML SHORT-DURATION BOND FUND	FIXED INCOME	WESTGATE RESORTS	254,121.58	256,180	0.10	3.05	12/20/2030
MML SHORT-DURATION BOND FUND	FIXED INCOME	TAL ADVANTAGE LLC	469,335.20	456,404	0.19	4.5	4/20/2042
MML SHORT-DURATION BOND FUND	FIXED INCOME	MAGNETITE CLO LTD	700,110.60	700,000	0.28	2.85408	1/18/2027
MML SHORT-DURATION BOND FUND	FIXED INCOME	ANGLO AMERICAN CAPITAL	498,400.00	500,000	0.20	3.75	4/10/2022
MML SHORT-DURATION BOND FUND	FIXED INCOME	BRE GRAND ISLANDER TIMESHARE I	209,739.07	214,103	0.09	2.94	5/25/2029
MML SHORT-DURATION BOND FUND	FIXED INCOME	BANCO SANTANDER SA	1,194,485.54	1,200,000	0.49	3.5	4/11/2022
MML SHORT-DURATION BOND FUND	FIXED INCOME	TSY INFL IX N/B	4,921,122.81	4,991,483	2.00	0.125	4/15/2022
MML SHORT-DURATION BOND FUND	FIXED INCOME	GLOBAL SC FINANCE SRL	302,945.81	303,180	0.12	3.85	4/15/2037
MML SHORT-DURATION BOND FUND	FIXED INCOME	SOCIAL PROFESSIONAL LOAN PROGR	350,000.00	200	0.14	0	3/25/2033
MML SHORT-DURATION BOND FUND	FIXED INCOME	AVERY POINT CLO LTD	580,263.32	580,000	0.24	2.85408	1/18/2025
MML SHORT-DURATION BOND FUND	FIXED INCOME	SHERWIN WILLIAMS CO	667,172.45	685,000	0.27	2.75	6/1/2022
MML SHORT-DURATION BOND FUND	FIXED INCOME	ENEL FINANCE INTL NV	766,097.37	785,000	0.31	2.875	5/25/2022
MML SHORT-DURATION BOND FUND	FIXED INCOME	CLI FUNDING LLC	540,900.86	544,813	0.22	3.62	5/18/2042
MML SHORT-DURATION BOND FUND	FIXED INCOME	HEALTHCARE TRUST OF AMER	269,025.19	275,000	0.11	2.95	7/1/2022
MML SHORT-DURATION BOND FUND	FIXED INCOME	OPORTUN FUNDING LLC	344,227.52	350,000	0.14	3.23	6/8/2023
MML SHORT-DURATION BOND FUND	FIXED INCOME	COMMONBOND STUDENT LOAN TRUST	522,522.10	520,000	0.21	5.28	5/25/2041

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

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	SYNCHRONY BANK	739,594.85	765,000	0.30	3	6/15/2022
MML SHORT-DURATION BOND FUND	FIXED INCOME	VERIZON COMMUNICATIONS	471,930.72	480,000	0.19	2.946	3/15/2022
MML SHORT-DURATION BOND FUND	FIXED INCOME	WELK RESORTS LLC	249,511.44	255,255	0.10	3.41	6/15/2033
MML SHORT-DURATION BOND FUND	FIXED INCOME	JACKSON NATL LIFE GLOBAL	1,129,504.10	1,165,000	0.46	2.5	6/27/2022
MML SHORT-DURATION BOND FUND	FIXED INCOME	DRIVE AUTO RECEIVABLES TRUST	269,368.58	270,000	0.11	2.84	4/15/2022
MML SHORT-DURATION BOND FUND	FIXED INCOME	MARLETTE FUNDING TRUST	227,178.14	227,712	0.09	2.39	7/15/2024
MML SHORT-DURATION BOND FUND	FIXED INCOME	TRAFIGURA SECURITISATION FINAN	261,089.92	260,000	0.11	3.4766	12/15/2020
MML SHORT-DURATION BOND FUND	FIXED INCOME	SIRIUS XM RADIO INC	1,290,426.00	1,347,000	0.52	3.875	8/1/2022
MML SHORT-DURATION BOND FUND	FIXED INCOME	DXC TECHNOLOGY CO	228,718.86	230,000	0.09	2.875	3/27/2020
MML SHORT-DURATION BOND FUND	FIXED INCOME	MITSUBISHI UFJ FIN GRP	1,249,806.66	1,290,000	0.51	2.665	7/25/2022
MML SHORT-DURATION BOND FUND	FIXED INCOME	BANK OF AMERICA CORP	2,387,698.53	2,450,000	0.97	2.816	7/21/2023
MML SHORT-DURATION BOND FUND	FIXED INCOME	DAE FUNDING LLC	199,875.00	205,000	0.08	4	8/1/2020
MML SHORT-DURATION BOND FUND	FIXED INCOME	TRIP RAIL MASTER FUNDING LLC	159,014.37	160,939	0.06	2.709	8/15/2047
MML SHORT-DURATION BOND FUND	FIXED INCOME	DRB PRIME STUDENT LOAN TRUST	782,948.21	782,557	0.32	3.7715	10/25/2044
MML SHORT-DURATION BOND FUND	FIXED INCOME	SMB PRIVATE EDUCATION LOAN TRU	294,910.34	290,000	0.12	2.8766	9/15/2034
MML SHORT-DURATION BOND FUND	FIXED INCOME	SOFI CONSUMER LOAN PROGRAM TRU	217,096.70	217,366	0.09	3.05	12/26/2025
MML SHORT-DURATION BOND FUND	FIXED INCOME	NAVIENT STUDENT LOAN TRUST	582,101.52	560,000	0.24	3.1715	3/25/2066
MML SHORT-DURATION BOND FUND	FIXED INCOME	NEW RESIDENTIAL ADVANCE RECEIV	1,929,957.90	1,950,000	0.78	2.5751	10/15/2049
MML SHORT-DURATION BOND FUND	FIXED INCOME	CNH INDUSTRIAL CAP LLC	634,593.60	635,000	0.26	3.875	10/15/2021
MML SHORT-DURATION BOND FUND	FIXED INCOME	ORANGE LAKE TIMESHARE TRUST	198,525.47	204,367	0.08	2.61	3/8/2029
MML SHORT-DURATION BOND FUND	FIXED INCOME	MONDELEZ INTL HLDINGS NE	567,795.68	595,000	0.23	2	10/28/2021
MML SHORT-DURATION BOND FUND	FIXED INCOME	FLAGSHIP CREDIT AUTO TRUST	399,898.71	410,000	0.16	2.71	11/15/2022
MML SHORT-DURATION BOND FUND	FIXED INCOME	FLAGSHIP CREDIT AUTO TRUST	901,915.47	910,000	0.37	2.41	10/15/2021
MML SHORT-DURATION BOND FUND	FIXED INCOME	US TREASURY N/B	1,241,113.25	1,250,000	0.50	0.75	10/31/2018
MML SHORT-DURATION BOND FUND	FIXED INCOME	DANONE SA	1,284,096.31	1,340,000	0.52	2.077	11/2/2021
MML SHORT-DURATION BOND FUND	FIXED INCOME	GOODGREEN TRUST	474,005.22	486,398	0.19	3.23	10/15/2052
MML SHORT-DURATION BOND FUND	FIXED INCOME	RYDER SYSTEM INC	410,456.49	425,000	0.17	2.25	9/1/2021
MML SHORT-DURATION BOND FUND	FIXED INCOME	VELOCITY COMMERCIAL CAPITAL LO	329,785.14	332,287	0.13	2.99694	10/25/2046
MML SHORT-DURATION BOND FUND	FIXED INCOME	DIAMOND RESORTS OWNER TRUST	513,048.71	524,347	0.21	3.08	11/20/2028
MML SHORT-DURATION BOND FUND	FIXED INCOME	SIMON PROPERTY GROUP LP	680,547.59	700,000	0.28	2.35	1/30/2022
MML SHORT-DURATION BOND FUND	FIXED INCOME	SPS SERVICER ADVANCE RECEIVABL	1,037,725.52	1,040,000	0.42	2.53	11/16/2048
MML SHORT-DURATION BOND FUND	FIXED INCOME	SOCIAL PROFESSIONAL LOAN PROGR	323,058.05	330,000	0.13	2.49	1/25/2036
MML SHORT-DURATION BOND FUND	FIXED INCOME	SOFI CONSUMER LOAN PROGRAM TRU	1,215,441.16	1,217,347	0.49	3.06	9/25/2028
MML SHORT-DURATION BOND FUND	FIXED INCOME	ABBOTT LABORATORIES	299,397.26	302,000	0.12	2.35	11/22/2019
MML SHORT-DURATION BOND FUND	FIXED INCOME	ABBOTT LABORATORIES	667,857.90	675,000	0.27	2.9	11/30/2021
MML SHORT-DURATION BOND FUND	FIXED INCOME	SHELLPOINT CO ORIGINATOR TRUST	840,059.22	874,333	0.34	3	10/25/2031
MML SHORT-DURATION BOND FUND	FIXED INCOME	NEW RESIDENTIAL ADVANCE RECEIV	696,882.83	700,000	0.28	3.1068	12/15/2050
MML SHORT-DURATION BOND FUND	FIXED INCOME	CHARTER COMM OPT LLC/CAP	606,703.21	605,000	0.25	3.579	7/23/2020
MML SHORT-DURATION BOND FUND	FIXED INCOME	LCM LTD PARTNERSHIP	596,782.05	590,000	0.24	3.1447	10/20/2029
MML SHORT-DURATION BOND FUND	FIXED INCOME	NEW RESIDENTIAL MORTGAGE LOAN	372,230.71	368,551	0.15	3.75	11/25/2056
MML SHORT-DURATION BOND FUND	FIXED INCOME	HERO FUNDING TRUST	334,245.95	339,339	0.14	3.57	9/20/2047
MML SHORT-DURATION BOND FUND	FIXED INCOME	SPRINGLEAF FUNDING TRUST	1,453,527.38	1,460,000	0.59	2.9	11/15/2029
MML SHORT-DURATION BOND FUND	FIXED INCOME	TREMAN PARK CLO LTD	950,385.70	950,000	0.39	3.1147	4/20/2027
MML SHORT-DURATION BOND FUND	FIXED INCOME	NELNET PRIVATE EDUCATION LOAN	207,250.48	213,503	0.08	3.6	12/26/2040
MML SHORT-DURATION BOND FUND	FIXED INCOME	NELNET PRIVATE EDUCATION LOAN	297,077.99	296,516	0.12	3.3707	12/26/2040
MML SHORT-DURATION BOND FUND	FIXED INCOME	MOSAIC SOLAR LOANS LLC	225,595.93	250,000	0.09	0.01	9/20/2042
MML SHORT-DURATION BOND FUND	FIXED INCOME	ELARA HGV TIMESHARE ISSUER	243,912.80	247,694	0.10	2.69	3/25/2030
MML SHORT-DURATION BOND FUND	FIXED INCOME	HERCULES CAPITAL INC	1,121,915.94	1,110,000	0.46	4.625	10/23/2022
MML SHORT-DURATION BOND FUND	FIXED INCOME	GLENCORE FUNDING LLC	250,783.00	260,000	0.10	3	10/27/2022
MML SHORT-DURATION BOND FUND	FIXED INCOME	AVANT LOANS FUNDING TRUST	411,660.99	412,257	0.17	2.29	6/15/2020
MML SHORT-DURATION BOND FUND	FIXED INCOME	NP SPE II LLC	178,809.74	183,351	0.07	3.372	10/21/2047
MML SHORT-DURATION BOND FUND	FIXED INCOME	FLAGSHIP CREDIT AUTO TRUST	639,575.82	650,000	0.26	2.92	11/15/2023

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

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	FIRST INVESTORS AUTO OWNER TRU	333,962.96	340,000	0.14	2.72	4/17/2023
MML SHORT-DURATION BOND FUND	FIXED INCOME	NEUBERGER BERMAN CLO LTD	249,985.00	250,000	0.10	2.97152	1/15/2028
MML SHORT-DURATION BOND FUND	FIXED INCOME	ANDEAVOR LOGIS LP/CORP	167,061.63	170,000	0.07	3.5	12/1/2022
MML SHORT-DURATION BOND FUND	FUTURE	US 10YR NOTE (CBT)JUN18	-	23,200,000	0.02	0	6/20/2018
MML SHORT-DURATION BOND FUND	FUTURE	US 5YR NOTE (CBT) JUN18	-	(68,800,000)	0.03	0	6/29/2018
MML SHORT-DURATION BOND FUND	FUTURE	US 2YR NOTE (CBT) JUN18	-	109,800,000	0.01	0	6/29/2018
MML SHORT-DURATION BOND FUND	FIXED INCOME	HERO FUNDING TRUST	295,964.84	300,218	0.12	3.19	9/20/2048
MML SHORT-DURATION BOND FUND	FIXED INCOME	AMERICAN CREDIT ACCEPTANCE REC	765,390.16	770,000	0.31	2.94	1/10/2024
MML SHORT-DURATION BOND FUND	FIXED INCOME	AMERICAN TOWER CORP	618,125.73	640,000	0.25	3	6/15/2023
MML SHORT-DURATION BOND FUND	FIXED INCOME	ONEMAIN DIRECT AUTO RECEIVABLE	446,738.85	450,000	0.18	2.31	12/14/2021
MML SHORT-DURATION BOND FUND	FIXED INCOME	MARINER FINANCE ISSUANCE TRUST	889,217.64	900,000	0.36	2.92	12/20/2029
MML SHORT-DURATION BOND FUND	FIXED INCOME	FREDDIE MAC	412,943.00	416,161	0.17	3	3/15/2041
MML SHORT-DURATION BOND FUND	FIXED INCOME	FANNIE MAE	327,106.52	328,104	0.13	3	1/25/2041
MML SHORT-DURATION BOND FUND	FIXED INCOME	JP MORGAN MORTGAGE TRUST	608,011.38	605,923	0.25	3.5	12/25/2048
MML SHORT-DURATION BOND FUND	OPTIONS	BM1106269 SWAPTION	264,741.79	6,340,000	0.11	0	12/13/2032
MML SHORT-DURATION BOND FUND	OPTIONS	BM1105998 SWAPTION	671,001.38	12,910,000	0.27	0	12/13/2032
MML SHORT-DURATION BOND FUND	FIXED INCOME	EDLINC STUDENT LOAN FUNDING TR	668,404.43	673,754	0.27	3.35	12/1/2047
MML SHORT-DURATION BOND FUND	FIXED INCOME	GENERAL MOTORS FINL CO	1,356,997.31	1,390,000	0.55	3.25	1/5/2023
MML SHORT-DURATION BOND FUND	FIXED INCOME	FREDDIE MAC	290,971.54	294,193	0.12	3	5/15/2039
MML SHORT-DURATION BOND FUND	FIXED INCOME	CPS AUTO TRUST	194,411.16	194,978	0.08	2.16	5/17/2021
MML SHORT-DURATION BOND FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	714,343.28	710,000	0.29	2.3413	1/25/2041
MML SHORT-DURATION BOND FUND	FIXED INCOME	CITIGROUP INC	1,229,972.38	1,245,000	0.50	3.142	1/24/2023
MML SHORT-DURATION BOND FUND	FIXED INCOME	MARLETTE FUNDING TRUST	1,140,587.61	1,142,254	0.46	2.61	3/15/2028
MML SHORT-DURATION BOND FUND	FIXED INCOME	HERTZ VEHICLE FINANCING LLC	763,000.32	770,000	0.31	3.6	2/25/2024
MML SHORT-DURATION BOND FUND	FUTURE	US 10YR ULTRA FUT JUN18	-	(8,400,000)	0.01	0	6/20/2018
MML SHORT-DURATION BOND FUND	FIXED INCOME	JP MORGAN MORTGAGE TRUST	435,002.21	432,246	0.18	3.5	6/25/2048
MML SHORT-DURATION BOND FUND	FIXED INCOME	GOLDMAN SACHS GROUP INC	285,812.18	290,000	0.12	3.2	2/23/2023
MML SHORT-DURATION BOND FUND	FIXED INCOME	SOCIAL PROFESSIONAL LOAN PROGR	718,200.00	1,000,000	0.29	0	2/25/2042
MML SHORT-DURATION BOND FUND	FIXED INCOME	EXETER AUTOMOBILE RECEIVABLES	268,012.64	270,000	0.11	2.75	4/15/2022
MML SHORT-DURATION BOND FUND	FIXED INCOME	NAVIENT STUDENT LOAN TRUST	851,296.76	850,000	0.35	2.5915	3/25/2067
MML SHORT-DURATION BOND FUND	FIXED INCOME	DRIVE AUTO RECEIVABLES TRUST	138,973.55	140,000	0.06	2.75	9/15/2023
MML SHORT-DURATION BOND FUND	FIXED INCOME	DRB PRIME STUDENT LOAN TRUST	367,813.89	380,000	0.15	3.61	8/25/2042
MML SHORT-DURATION BOND FUND	FIXED INCOME	TCP CAPITAL CORP	657,034.00	675,000	0.27	4.125	8/11/2022
MML SHORT-DURATION BOND FUND	FIXED INCOME	TRITON CONTAINER FINANCE LLC	977,503.29	986,064	0.40	3.62	8/20/2042
MML SHORT-DURATION BOND FUND	FIXED INCOME	DISCOVERY COMMUNICATIONS	342,089.54	355,000	0.14	2.95	3/20/2023
MML SHORT-DURATION BOND FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	2,141,964.59	2,150,000	0.87	2.3452	10/25/2065
MML SHORT-DURATION BOND FUND	FIXED INCOME	FANNIE MAE	669,113.45	672,511	0.27	3	4/25/2040
MML SHORT-DURATION BOND FUND	FIXED INCOME	EQT CORP	548,998.28	565,000	0.22	3	10/1/2022
MML SHORT-DURATION BOND FUND	FIXED INCOME	DENALI CAPITAL CLO X LTD	351,045.10	350,000	0.14	2.80246	10/26/2027
MML SHORT-DURATION BOND FUND	FIXED INCOME	OCP CLO LTD	649,992.85	650,000	0.26	3.18133	4/17/2027
MML SHORT-DURATION BOND FUND	FIXED INCOME	MARLETTE FUNDING TRUST	218,382.55	219,145	0.09	2.36	12/15/2024
MML SHORT-DURATION BOND FUND	FIXED INCOME	ENTERPRISE FLEET FINANCING LLC	208,815.52	210,000	0.08	2.6	7/20/2022
MML SHORT-DURATION BOND FUND	FIXED INCOME	TECH DATA CORP	238,295.40	240,000	0.10	3.7	2/15/2022
MML SHORT-DURATION BOND FUND	FIXED INCOME	MOSAIC SOLAR LOANS LLC	104,477.04	102,406	0.04	4.45	6/20/2042
MML SHORT-DURATION BOND FUND	FIXED INCOME	FLAGSHIP CREDIT AUTO TRUST	611,999.48	615,000	0.25	2.83	3/15/2023
MML SHORT-DURATION BOND FUND	FIXED INCOME	EXETER AUTOMOBILE RECEIVABLES	260,311.43	260,000	0.11	3	12/15/2021
MML SHORT-DURATION BOND FUND	FIXED INCOME	RACE POINT CLO LTD	704,914.70	700,000	0.29	3.22494	2/20/2030
MML SHORT-DURATION BOND FUND	FIXED INCOME	MARINER FINANCE ISSUANCE TRUST	405,275.60	400,000	0.16	3.62	2/20/2029
MML SHORT-DURATION BOND FUND	FIXED INCOME	AMERICAN CREDIT ACCEPTANCE REC	518,496.21	520,000	0.21	2.39	2/16/2021
MML SHORT-DURATION BOND FUND	FIXED INCOME	HILTON GRAND VACATIONS TRUST	278,380.37	285,214	0.11	2.96	12/26/2028
MML SHORT-DURATION BOND FUND	FIXED INCOME	SOFI CONSUMER LOAN PROGRAM TRU	474,337.39	472,696	0.19	3.28	2/25/2026
MML SHORT-DURATION BOND FUND	FIXED INCOME	ECMC GROUP STUDENT LOAN TRUST	965,879.40	954,334	0.39	3.0715	12/27/2066

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

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	ENSTAR GROUP LTD	577,590.56	575,000	0.23	4.5	3/10/2022
MML SHORT-DURATION BOND FUND	FIXED INCOME	DELTA AIR LINES INC	848,954.95	850,000	0.35	3.625	3/15/2022
MML SHORT-DURATION BOND FUND	FIXED INCOME	SIERRA RECEIVABLES FUNDING CO	468,415.82	473,087	0.19	2.91	3/20/2034
MML SHORT-DURATION BOND FUND	FIXED INCOME	OSCAR US FUNDING TRUST	158,391.68	160,000	0.06	3.3	5/10/2024
MML SHORT-DURATION BOND FUND	FIXED INCOME	OSCAR US FUNDING TRUST	237,992.16	240,000	0.10	2.82	6/10/2021
MML SHORT-DURATION BOND FUND	CASH EQUIVALENT	CONAGRA FOODS INC.	1,999,388.88	2,000,000	0.81	0	4/3/2018
MML SHORT-DURATION BOND FUND	CASH EQUIVALENT	FORTIVE CORPORATION	2,247,608.25	2,250,000	0.91	0	4/16/2018
MML SHORT-DURATION BOND FUND	FIXED INCOME	NAVIENT STUDENT LOAN TRUST	539,993.52	540,000	0.22	2.72817	3/25/2067
MML SHORT-DURATION BOND FUND	CASH EQUIVALENT	AMPHENOL CORPORATION	2,248,580.32	2,250,000	0.91	0	4/9/2018
MML SHORT-DURATION BOND FUND	FIXED INCOME	BROADCOM CRP / CAYMN FI	932,184.02	950,000	0.38	3	1/15/2022
MML SHORT-DURATION BOND FUND	FIXED INCOME	DEEPHAVEN RESIDENTIAL MORTGAGE	670,369.20	673,738	0.27	3.027	12/25/2057
MML SHORT-DURATION BOND FUND	FIXED INCOME	VMC FINANCE LLC	382,643.66	380,000	0.16	2.5966	4/15/2035
MML SHORT-DURATION BOND FUND	OPTIONS	BM1107812 SWAPTION	685,376.64	14,580,000	0.28	0	1/31/2033
MML SHORT-DURATION BOND FUND	OPTIONS	BM1107929 SWAPTION	340,721.66	7,310,000	0.14	0	1/31/2033
MML SHORT-DURATION BOND FUND	FIXED INCOME	DISCOVER BANK	908,350.07	923,000	0.37	3.35	2/6/2023
MML SHORT-DURATION BOND FUND	FIXED INCOME	TESLA AUTO LEASE TRUST	149,719.55	150,000	0.06	2.75	2/20/2020
MML SHORT-DURATION BOND FUND	CASH EQUIVALENT	WALGREENS BOOTS	1,998,738.06	2,000,000	0.81	0	4/9/2018
MML SHORT-DURATION BOND FUND	FIXED INCOME	SEQUOIA MORTGAGE TRUST	434,115.78	430,264	0.18	4	2/25/2048
MML SHORT-DURATION BOND FUND	FIXED INCOME	NAVIENT STUDENT LOAN TRUST	557,901.34	560,000	0.23	2.53	2/18/2042
MML SHORT-DURATION BOND FUND	FIXED INCOME	FLAGSHIP CREDIT AUTO TRUST	1,249,734.25	1,250,000	0.51	3.13	1/17/2023
MML SHORT-DURATION BOND FUND	FIXED INCOME	FLAGSHIP CREDIT AUTO TRUST	779,540.62	779,556	0.32	2.59	6/15/2022
MML SHORT-DURATION BOND FUND	FIXED INCOME	BCC FUNDING CORP	2,148,382.71	2,149,653	0.87	2.2	2/20/2019
MML SHORT-DURATION BOND FUND	FIXED INCOME	SEQUOIA MORTGAGE TRUST	766,265.74	764,331	0.31	3.5	3/25/2048
MML SHORT-DURATION BOND FUND	FIXED INCOME	PNMAC GMSR ISSUER TRUST	250,944.20	250,000	0.10	4.7215	2/25/2023
MML SHORT-DURATION BOND FUND	FIXED INCOME	TLF NATIONAL TAX LIEN TRUST	562,934.55	563,596	0.23	3.09	12/15/2029
MML SHORT-DURATION BOND FUND	FIXED INCOME	GALAXY CLO LTD	601,441.20	600,000	0.24	2.7447	4/20/2031
MML SHORT-DURATION BOND FUND	FIXED INCOME	ECMC GROUP STUDENT LOAN TRUST	899,837.55	900,000	0.37	2.53338	2/27/2068
MML SHORT-DURATION BOND FUND	FIXED INCOME	DT AUTO OWNER TRUST	1,129,979.77	1,130,000	0.46	2.59	5/17/2021
MML SHORT-DURATION BOND FUND	FIXED INCOME	DT AUTO OWNER TRUST	289,975.23	290,000	0.12	3.04	1/18/2022
MML SHORT-DURATION BOND FUND	FIXED INCOME	CVS HEALTH CORP	306,656.15	305,000	0.12	3.7	3/9/2023
MML SHORT-DURATION BOND FUND	FIXED INCOME	RETL	653,050.65	650,000	0.27	2.877	3/15/2033
MML SHORT-DURATION BOND FUND	FIXED INCOME	PSMC TRUST	639,200.00	640,000	0.26	3.5	2/25/2048
MML SHORT-DURATION BOND FUND	FIXED INCOME	COMMONBOND STUDENT LOAN TRUST	229,925.04	230,000	0.09	3.82	2/25/2044
MML SHORT-DURATION BOND FUND	FIXED INCOME	OSCAR US FUNDING TRUST	319,881.28	320,000	0.13	2.91	4/12/2021
MML SHORT-DURATION BOND FUND	CASH EQUIVALENT	MOLEX ELECTRONIC TECHNOLOGIES	2,422,475.13	2,436,000	0.98	0	6/12/2018
MML SHORT-DURATION BOND FUND	FIXED INCOME	FREDDIE MAC STACR	247,173.15	247,000	0.10	4.15382	9/25/2030
MML SHORT-DURATION BOND FUND	FIXED INCOME	JP MORGAN MORTGAGE TRUST	648,176.10	650,000	0.26	3.5	4/25/2048
MML SHORT-DURATION BOND FUND	CASH EQUIVALENT	TIME WARNER INC	1,988,894.00	2,000,000	0.81	0	6/18/2018
MML SHORT-DURATION BOND FUND	FIXED INCOME	NELNET STUDENT LOAN TRUST	800,000.00	800,000	0.33	2.63688	5/25/2066
MML SHORT-DURATION BOND FUND	CASH EQUIVALENT	DOLLAR GENERAL CORP	1,999,554.66	2,000,000	0.81	0	4/2/2018
MML SHORT-DURATION BOND FUND	CASH EQUIVALENT	HP INC	2,098,650.16	2,100,000	0.85	0	4/11/2018
MML SHORT-DURATION BOND FUND	CASH EQUIVALENT	AMEREN CORP	1,999,326.34	2,000,000	0.81	0	4/4/2018
MML SHORT-DURATION BOND FUND	FIXED INCOME	FNMA POOL 532819	36.73	31	0.00	8	3/1/2030
MML SHORT-DURATION BOND FUND	FIXED INCOME	GNMA II POOL 080136	181.82	179	0.00	3.125	11/20/2027
MML SHORT-DURATION BOND FUND	FIXED INCOME	GNMA II POOL 008746	951.46	937	0.00	3.125	11/20/2025
MML SHORT-DURATION BOND FUND	FIXED INCOME	FNMA POOL 535996	1,563.95	1,358	0.00	7.5	6/1/2031
MML SHORT-DURATION BOND FUND	FIXED INCOME	MERRILL LYNCH MORTGAGE INVESTO	646.88	624	0.00	3.62729	7/25/2033
MML SHORT-DURATION BOND FUND	FIXED INCOME	STRUCTURED ADJUSTABLE RATE MOR	5,711.43	5,637	0.00	3.69546	3/25/2034
MML SHORT-DURATION BOND FUND	FIXED INCOME	WAMU MORTGAGE PASS THROUGH CER	14,125.92	13,911	0.01	2.68253	4/25/2044
MML SHORT-DURATION BOND FUND	FIXED INCOME	NORTHSTAR EDUCATION FINANCE, I	196,998.16	198,587	0.08	2.51031	10/30/2045
MML SHORT-DURATION BOND FUND	FIXED INCOME	SLC STUDENT LOAN TRUST	368,263.66	398,182	0.15	2.03875	2/15/2045
MML SHORT-DURATION BOND FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	617,434.88	648,017	0.25	2.0352	1/25/2044

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

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	FNMA POOL 725692	25,384.81	24,182	0.01	3.225	10/1/2033
MML SHORT-DURATION BOND FUND	FIXED INCOME	GNMA POOL 499410	285.83	249	0.00	7	7/15/2029
MML SHORT-DURATION BOND FUND	FIXED INCOME	NORTH CAROLINA ST EDU ASSISTAN	3,320.09	3,317	0.00	2.645	1/26/2026
MML SHORT-DURATION BOND FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	767,112.50	770,000	0.31	2.4952	1/25/2040
MML SHORT-DURATION BOND FUND	FIXED INCOME	CKE RESTAURANTS HOLDINGS INC	438,860.45	438,501	0.18	4.474	3/20/2043
MML SHORT-DURATION BOND FUND	FIXED INCOME	GOLDENTREE LOAN OPPORTUNITIES	285,109.88	285,087	0.12	2.8952	4/25/2025
MML SHORT-DURATION BOND FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	116,682.66	120,000	0.05	3.3715	12/28/2070
MML SHORT-DURATION BOND FUND	FIXED INCOME	EDUCATION LOAN ASSET BACKED TR	458,178.11	457,970	0.19	2.6715	6/25/2026
MML SHORT-DURATION BOND FUND	FIXED INCOME	ELEMENT RAIL LEASING LLC	110,476.18	111,186	0.04	2.299	4/19/2044
MML SHORT-DURATION BOND FUND	FIXED INCOME	NELNET STUDENT LOAN TRUST	345,470.11	346,048	0.14	2.5215	11/25/2052
MML SHORT-DURATION BOND FUND	FIXED INCOME	SMB PRIVATE EDUCATION LOAN TRU	591,240.73	584,020	0.24	2.9266	5/15/2026
MML SHORT-DURATION BOND FUND	FIXED INCOME	SANTANDER DRIVE AUTO RECEIVABL	200,454.86	200,000	0.08	3.1	11/16/2020
MML SHORT-DURATION BOND FUND	FIXED INCOME	MVW OWNER TRUST	140,918.14	143,564	0.06	2.25	9/22/2031
MML SHORT-DURATION BOND FUND	FIXED INCOME	PENSKE TRUCK LEASING/PTL	19,890.89	20,000	0.01	3.375	2/1/2022
MML SHORT-DURATION BOND FUND	FIXED INCOME	ELEMENT RAIL LEASING LLC	55,006.00	55,657	0.02	2.707	2/19/2045
MML SHORT-DURATION BOND FUND	FIXED INCOME	SIERRA RECEIVABLES FUNDING CO	337,228.96	343,474	0.14	2.4	3/22/2032
MML SHORT-DURATION BOND FUND	FIXED INCOME	BLUEMOUNTAIN CLO LTD	476,202.70	475,000	0.19	3.16408	7/18/2027
MML SHORT-DURATION BOND FUND	FIXED INCOME	OSCAR US FUNDING TRUST	47,958.67	47,768	0.02	3.2875	7/15/2020
MML SHORT-DURATION BOND FUND	FIXED INCOME	AIRCASLE LTD	1,350,937.50	1,310,000	0.55	5	4/1/2023
MML SHORT-DURATION BOND FUND	FIXED INCOME	NEXTGEAR FLOORPLAN MASTER OWNE	374,876.79	370,000	0.15	3.4766	4/15/2021
MML SHORT-DURATION BOND FUND	FIXED INCOME	ONDECK ASSET SECURITIZATION TR	120,063.23	120,000	0.05	4.21	5/17/2020
MML SHORT-DURATION BOND FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	844,248.14	850,000	0.34	2.2952	10/25/2064
MML SHORT-DURATION BOND FUND	FIXED INCOME	TACO BELL FUNDING, LLC	377,375.45	375,250	0.15	3.832	5/25/2046
MML SHORT-DURATION BOND FUND	FIXED INCOME	UNUM GROUP	133,852.43	135,000	0.05	3	5/15/2021
MML SHORT-DURATION BOND FUND	FIXED INCOME	S+P GLOBAL INC	638,559.53	635,000	0.26	3.3	8/14/2020
MML SHORT-DURATION BOND FUND	FIXED INCOME	EARNEST STUDENT LOAN PROGRAM L	235,159.80	226,194	0.10	3.9215	2/26/2035
MML SHORT-DURATION BOND FUND	FIXED INCOME	DRB PRIME STUDENT LOAN TRUST	208,784.21	211,967	0.08	2.89	6/25/2040
MML SHORT-DURATION BOND FUND	FIXED INCOME	CVS HEALTH CORP	927,459.70	960,000	0.38	2.125	6/1/2021
MML SHORT-DURATION BOND FUND	FIXED INCOME	DELL INT LLC / EMC CORP	487,239.81	475,000	0.20	4.42	6/15/2021
MML SHORT-DURATION BOND FUND	FIXED INCOME	DELL INT LLC / EMC CORP	431,944.95	430,000	0.18	3.48	6/1/2019
MML SHORT-DURATION BOND FUND	FIXED INCOME	DRIVE AUTO RECEIVABLES TRUST	13,964.71	13,964	0.01	2.56	6/15/2020
MML SHORT-DURATION BOND FUND	FIXED INCOME	NXP BV/NXP FUNDING LLC	777,700.00	770,000	0.32	4.125	6/1/2021
MML SHORT-DURATION BOND FUND	FIXED INCOME	SOUTHERN CO	445,759.25	460,000	0.18	2.35	7/1/2021
MML SHORT-DURATION BOND FUND	FIXED INCOME	SOCIAL PROFESSIONAL LOAN PROGR	42,831.96	42,906	0.02	1.68	3/25/2031
MML SHORT-DURATION BOND FUND	FIXED INCOME	SOCIAL PROFESSIONAL LOAN PROGR	211,885.99	208,950	0.09	3.0715	6/25/2033
MML SHORT-DURATION BOND FUND	FIXED INCOME	BAXALTA INC	484,275.21	485,000	0.20	2	6/22/2018
MML SHORT-DURATION BOND FUND	FIXED INCOME	FLIR SYSTEMS INC	376,390.53	380,000	0.15	3.125	6/15/2021
MML SHORT-DURATION BOND FUND	FIXED INCOME	OXFORD FINANCE FUNDING TRUST	199,533.24	200,000	0.08	3.968	6/17/2024
MML SHORT-DURATION BOND FUND	FIXED INCOME	MARRIOTT INTERNATIONAL	28,820.97	30,000	0.01	2.3	1/15/2022
MML SHORT-DURATION BOND FUND	FIXED INCOME	HYUNDAI CAPITAL AMERICA	64,088.17	65,000	0.03	2	7/1/2019
MML SHORT-DURATION BOND FUND	FIXED INCOME	SOFI CONSUMER LOAN PROGRAM TRU	613,657.30	613,260	0.25	3.26	8/25/2025
MML SHORT-DURATION BOND FUND	FIXED INCOME	ELARA HGV TIMESHARE ISSUER	204,119.06	208,043	0.08	2.73	4/25/2028
MML SHORT-DURATION BOND FUND	FIXED INCOME	MOLSON COORS BREWING CO	316,648.70	330,000	0.13	2.1	7/15/2021
MML SHORT-DURATION BOND FUND	FIXED INCOME	SUMITOMO MITSUI FINL GRP	564,452.92	585,000	0.23	2.058	7/14/2021
MML SHORT-DURATION BOND FUND	FIXED INCOME	SIERRA RECEIVABLES FUNDING CO	277,181.98	279,620	0.11	2.78	7/20/2033
MML SHORT-DURATION BOND FUND	FIXED INCOME	SMB PRIVATE EDUCATION LOAN TRU	147,884.75	144,000	0.06	3.2266	2/17/2032
MML SHORT-DURATION BOND FUND	FIXED INCOME	CPS AUTO TRUST	189,590.89	190,000	0.08	2.48	9/15/2020
MML SHORT-DURATION BOND FUND	FIXED INCOME	DRB PRIME STUDENT LOAN TRUST	93,898.82	94,657	0.04	3.17	7/25/2031
MML SHORT-DURATION BOND FUND	FIXED INCOME	DRB PRIME STUDENT LOAN TRUST	62,608.21	63,612	0.03	2.54	4/27/2026
MML SHORT-DURATION BOND FUND	FIXED INCOME	SIERRA RECEIVABLES FUNDING CO	70,447.56	71,385	0.03	2.58	9/20/2032
MML SHORT-DURATION BOND FUND	FIXED INCOME	DOMINOS PIZZA MASTER ISSUER LL	424,002.67	422,475	0.17	3.484	10/25/2045
MML SHORT-DURATION BOND FUND	FIXED INCOME	SIERRA RECEIVABLES FUNDING CO	27,297.06	27,456	0.01	3.08	9/20/2032

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

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	FREDDIE MAC	484,850.35	488,801	0.20	3	8/15/2040
MML SHORT-DURATION BOND FUND	FIXED INCOME	NEXTGEAR FLOORPLAN MASTER OWNE	249,723.40	250,000	0.10	2.38	10/15/2020
MML SHORT-DURATION BOND FUND	FIXED INCOME	FIRST HORIZON NATIONAL	1,437,704.13	1,430,000	0.58	3.5	12/15/2020
MML SHORT-DURATION BOND FUND	FIXED INCOME	HYUNDAI CAPITAL AMERICA	792,412.48	800,000	0.32	3	10/30/2020
MML SHORT-DURATION BOND FUND	FIXED INCOME	FLAGSHIP CREDIT AUTO TRUST	48,558.85	48,579	0.02	2.38	10/15/2020
MML SHORT-DURATION BOND FUND	FIXED INCOME	PENSKE TRUCK LEASING/PTL	150,256.49	150,000	0.06	3.3	4/1/2021
MML SHORT-DURATION BOND FUND	FIXED INCOME	ARBYS FUNDING LLC	295,707.79	293,250	0.12	4.969	10/30/2045
MML SHORT-DURATION BOND FUND	FIXED INCOME	DIAMOND RESORTS OWNER TRUST	89,323.58	89,956	0.04	2.99	5/22/2028
MML SHORT-DURATION BOND FUND	FIXED INCOME	BLUE VIRGO	261,103.24	260,615	0.11	3	12/15/2022
MML SHORT-DURATION BOND FUND	FIXED INCOME	DIAMOND RESORTS OWNER TRUST	60,113.29	60,781	0.02	3.54	5/22/2028
MML SHORT-DURATION BOND FUND	FIXED INCOME	AMEREN CORP	549,111.11	555,000	0.22	2.7	11/15/2020
MML SHORT-DURATION BOND FUND	FIXED INCOME	APIDOS CLO	521,776.84	520,000	0.21	3.2047	10/20/2028
MML SHORT-DURATION BOND FUND	FIXED INCOME	EARNEST STUDENT LOAN PROGRAM L	320,477.48	326,877	0.13	2.72	1/25/2041
MML SHORT-DURATION BOND FUND	FIXED INCOME	PENNSYLVANIA HIGHER EDUCATION	609,948.66	605,801	0.25	2.8215	11/25/2065
MML SHORT-DURATION BOND FUND	FIXED INCOME	OHA LOAN FUNDING LTD	598,555.59	590,000	0.24	3.24875	8/15/2029
MML SHORT-DURATION BOND FUND	FIXED INCOME	ACCESS GROUP INC	1,233,931.23	1,250,000	0.50	1.699	7/1/2039
MML SHORT-DURATION BOND FUND	FIXED INCOME	NAVIENT STUDENT LOAN TRUST	770,397.75	750,000	0.31	3.0215	7/26/2066
MML SHORT-DURATION BOND FUND	FIXED INCOME	BIRCHWOOD PARK CLO LTD	340,065.28	340,000	0.14	2.90019	7/15/2026
MML SHORT-DURATION BOND FUND	FIXED INCOME	SYMPHONY CLO LTD	800,188.00	800,000	0.33	2.91133	10/17/2026
MML SHORT-DURATION BOND FUND	FIXED INCOME	SBA TOWER TRUST	345,037.63	350,000	0.14	3.168	4/9/2047
MML SHORT-DURATION BOND FUND	FIXED INCOME	MADISON PARK FUNDING LTD	280,148.40	280,000	0.11	2.8647	7/20/2026
MML SHORT-DURATION BOND FUND	FIXED INCOME	MARTIN MARIETTA MATERIAL	396,544.60	395,000	0.16	2.55394	5/22/2020
MML SHORT-DURATION BOND FUND	FIXED INCOME	LENDMARK FUNDING TRUST	238,304.62	240,000	0.10	2.83	12/22/2025
MML SHORT-DURATION BOND FUND	FIXED INCOME	SOCIAL PROFESSIONAL LOAN PROGR	575,000.00	1,000,000	0.23	0	9/25/2040
MML SHORT-DURATION BOND FUND	FIXED INCOME	NAVIENT STUDENT LOAN TRUST	418,146.56	415,510	0.17	2.6715	7/26/2066
MML SHORT-DURATION BOND FUND	FIXED INCOME	MARTIN MARIETTA MATERIAL	185,282.20	185,000	0.08	2.70175	12/20/2019
MML SHORT-DURATION BOND FUND	FIXED INCOME	BECTON DICKINSON AND CO	850,899.84	850,000	0.35	2.94364	12/29/2020
MML SHORT-DURATION BOND FUND	FIXED INCOME	FORD MOTOR CREDIT CO LLC	604,872.95	605,000	0.25	2.83457	4/5/2021
MML SHORT-DURATION BOND FUND	FIXED INCOME	FANNIE MAE CAS	200,128.46	200,000	0.08	4.0715	8/25/2030
MML SHORT-DURATION BOND FUND	FIXED INCOME	TEVA PHARMACEUTICALS NE	1,193,165.07	1,325,000	0.48	2.2	7/21/2021
MML SHORT-DURATION BOND FUND	FIXED INCOME	MARLETTE FUNDING TRUST	136,580.61	136,439	0.06	3.06	1/17/2023
MML SHORT-DURATION BOND FUND	FIXED INCOME	DOLLAR TREE INC	1,242,151.75	1,190,000	0.50	5.75	3/1/2023
MML SHORT-DURATION BOND FUND	FIXED INCOME	SOFI CONSUMER LOAN PROGRAM TRU	254,351.66	254,171	0.10	3.09	10/27/2025
MML SHORT-DURATION BOND FUND	FIXED INCOME	EARNEST STUDENT LOAN PROGRAM L	349,940.52	361,769	0.14	2.68	7/25/2035
MML SHORT-DURATION BOND FUND	FIXED INCOME	NAVIENT STUDENT LOAN TRUST	750,199.16	732,153	0.30	3.1215	6/25/2065
MML SHORT-DURATION BOND FUND	FIXED INCOME	MVV OWNER TRUST	59,119.27	60,490	0.02	2.25	12/20/2033
MML SHORT-DURATION BOND FUND	FIXED INCOME	DUKE ENERGY CORP	456,888.60	480,000	0.19	1.8	9/1/2021
MML SHORT-DURATION BOND FUND	FIXED INCOME	ECMC GROUP STUDENT LOAN TRUST	487,465.08	481,127	0.20	3.2215	7/26/2066
MML SHORT-DURATION BOND FUND	FIXED INCOME	NISSAN MOTOR ACCEPTANCE	458,683.32	480,000	0.19	1.9	9/14/2021
MML SHORT-DURATION BOND FUND	FIXED INCOME	TCI SYMPHONY CLO	304,039.50	300,000	0.12	3.20152	10/13/2029
MML SHORT-DURATION BOND FUND	FIXED INCOME	FIRST INVESTORS AUTO OWNER TRU	530,516.52	540,000	0.22	2.21	7/15/2022
MML SHORT-DURATION BOND FUND	FIXED INCOME	SOCIAL PROFESSIONAL LOAN PROGR	121,673.42	120,472	0.05	2.8215	1/25/2039
MML SHORT-DURATION BOND FUND	FIXED INCOME	ALM LOAN FUNDING	374,373.40	370,000	0.15	3.20152	10/15/2028
MML SHORT-DURATION BOND FUND	FIXED INCOME	OSCAR US FUNDING TRUST	139,594.41	139,860	0.06	2.31	11/15/2019
MML SHORT-DURATION BOND FUND	FIXED INCOME	VSE VOI MORTGAGE LLC	514,712.69	524,601	0.21	2.54	7/20/2033
MML SHORT-DURATION BOND FUND	FIXED INCOME	ARES CAPITAL CORP	29,562.88	30,000	0.01	3.625	1/19/2022
MML SHORT-DURATION BOND FUND	FIXED INCOME	PITNEY BOWES INC	1,419,225.00	1,490,000	0.58	3.625	10/1/2021
MML SHORT-DURATION BOND FUND	FIXED INCOME	MADISON PARK FUNDING LTD	425,832.12	420,000	0.17	3.2252	10/25/2029
MML SHORT-DURATION BOND FUND	FIXED INCOME	SPRINGCASTLE SPV	452,141.72	452,787	0.18	3.05	4/25/2029
MML SHORT-DURATION BOND FUND	FIXED INCOME	SHIRE ACQ INV IRELAND DA	226,897.67	235,000	0.09	2.4	9/23/2021
MML SHORT-DURATION BOND FUND	FIXED INCOME	AIR LIQUIDE FINANCE	190,738.40	200,000	0.08	1.75	9/27/2021
MML SHORT-DURATION BOND FUND	FIXED INCOME	NAVISTAR FINANCIAL DEALER NOTE	522,310.00	520,000	0.21	2.9707	9/27/2021

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

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	AMERICAN TOWER CORP	396,848.36	415,000	0.16	2.25	1/15/2022
MML SHORT-DURATION BOND FUND	FIXED INCOME	SLM STUDENT LOAN TRUST	450,929.91	476,204	0.18	1.9552	10/25/2040
MML SHORT-DURATION BOND FUND	FIXED INCOME	EXETER AUTOMOBILE RECEIVABLES	259,847.95	260,000	0.11	2.84	8/16/2021
MML SHORT-DURATION BOND FUND	FIXED INCOME	NEXTGEAR FLOORPLAN MASTER OWNE	474,860.98	480,000	0.19	2.19	9/15/2021
MML SHORT-DURATION BOND FUND	FIXED INCOME	CPS AUTO TRUST	147,174.92	147,174	0.06	2.55	2/18/2020
MML SHORT-DURATION BOND FUND	FIXED INCOME	AVIATION CAPITAL GROUP	1,259,505.70	1,260,000	0.51	2.875	9/17/2018
MML SHORT-DURATION BOND FUND	FIXED INCOME	AUTONATION INC	824,227.09	825,000	0.34	3.35	1/15/2021
MML SHORT-DURATION BOND FUND	FIXED INCOME	WESTGATE RESORTS	177,100.80	177,540	0.07	3.2	7/20/2028
MML SHORT-DURATION BOND FUND	FIXED INCOME	BUNGE LTD FINANCE CORP	1,184,044.93	1,180,000	0.48	3.5	11/24/2020
MML SHORT-DURATION BOND FUND	FIXED INCOME	FNA TRUST	43,416.14	43,591	0.02	3.24	12/10/2023
MML SHORT-DURATION BOND FUND	FIXED INCOME	DRB PRIME STUDENT LOAN TRUST	217,970.75	213,650	0.09	3.5715	1/25/2040
MML SHORT-DURATION BOND FUND	FIXED INCOME	DRB PRIME STUDENT LOAN TRUST	695,068.95	700,138	0.28	3.2	1/25/2040
MML SHORT-DURATION BOND FUND	FIXED INCOME	AMERICAN TOWER CORP	174,959.30	175,000	0.07	3.3	2/15/2021
MML SHORT-DURATION BOND FUND	FIXED INCOME	TTX CO	298,706.45	300,000	0.12	2.25	2/1/2019
MML SHORT-DURATION BOND FUND	FIXED INCOME	MACQUARIE BANK LTD	128,486.95	130,000	0.05	2.85	1/15/2021
MML SHORT-DURATION BOND FUND	FIXED INCOME	ANHEUSER BUSCH INBEV FIN	704,439.26	710,000	0.29	2.65	2/1/2021
MML SHORT-DURATION BOND FUND	FIXED INCOME	BM1058452 CDS USD R F 3.00000	349,595.47	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	BM1058742 CDS USD R F 3.00000	127,900.78	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	102,422.52	102,529	0.04	3.06	7/25/2031
MML SHORT-DURATION BOND FUND	FIXED INCOME	ANZ NEW ZEALAND INTL/LDN	1,285,960.56	1,290,000	0.52	2.25	2/1/2019
MML SHORT-DURATION BOND FUND	FIXED INCOME	CROWN CASTLE INTL CORP	716,706.10	714,000	0.29	3.4	2/15/2021
MML SHORT-DURATION BOND FUND	FIXED INCOME	REGIONS FINANCIAL CORP	1,092,991.38	1,095,000	0.44	3.2	2/8/2021
MML SHORT-DURATION BOND FUND	FIXED INCOME	ENTERPRISE FLEET FINANCING LLC	167,305.41	167,719	0.07	1.83	9/20/2021
MML SHORT-DURATION BOND FUND	FIXED INCOME	SANTANDER DRIVE AUTO RECEIVABL	508,797.30	500,000	0.21	4.02	4/15/2022
MML SHORT-DURATION BOND FUND	FIXED INCOME	SANTANDER DRIVE AUTO RECEIVABL	277,991.73	278,067	0.11	2.47	12/15/2020
MML SHORT-DURATION BOND FUND	FIXED INCOME	NATIONS EQUIPMENT FINANCE	71,189.94	71,252	0.03	3.61	2/20/2021
MML SHORT-DURATION BOND FUND	FIXED INCOME	STANDARD INDUSTRIES INC	579,600.00	560,000	0.24	5.5	2/15/2023
MML SHORT-DURATION BOND FUND	FIXED INCOME	FLAGSHIP CREDIT AUTO TRUST	126,079.93	125,998	0.05	2.77	12/15/2020
MML SHORT-DURATION BOND FUND	FIXED INCOME	EXPRESS SCRIPTS HOLDING	1,192,825.97	1,195,000	0.48	3.3	2/25/2021
MML SHORT-DURATION BOND FUND	FIXED INCOME	GOLDMAN SACHS GROUP INC	2,335,862.91	2,360,000	0.95	2.875	2/25/2021
MML SHORT-DURATION BOND FUND	FIXED INCOME	AMERICAN INTL GROUP	550,569.22	550,000	0.22	3.3	3/1/2021
MML SHORT-DURATION BOND FUND	FIXED INCOME	DRB PRIME STUDENT LOAN TRUST	209,771.03	203,891	0.09	3.8715	4/25/2040
MML SHORT-DURATION BOND FUND	FIXED INCOME	SOCIAL PROFESSIONAL LOAN PROGR	216,899.82	210,373	0.09	3.6215	8/25/2036
MML SHORT-DURATION BOND FUND	FIXED INCOME	DIGITAL REALTY TRUST LP	321,921.34	320,000	0.13	3.4	10/1/2020
MML SHORT-DURATION BOND FUND	FIXED INCOME	ENTERGY TEXAS INC	93,088.37	95,000	0.04	2.55	6/1/2021
MML SHORT-DURATION BOND FUND	FIXED INCOME	MASCO CORP	371,561.40	370,000	0.15	3.5	4/1/2021
MML SHORT-DURATION BOND FUND	FIXED INCOME	CNH INDUSTRIAL CAPITAL L	118,306.25	115,000	0.05	4.875	4/1/2021
MML SHORT-DURATION BOND FUND	FIXED INCOME	ELEMENT RAIL LEASING LLC	152,777.75	152,301	0.06	3.968	3/19/2046
MML SHORT-DURATION BOND FUND	FIXED INCOME	TRINITY ACQUISITION PLC	469,367.09	470,000	0.19	3.5	9/15/2021
MML HIGH YIELD FUND	FIXED INCOME	FERL PRT LP/FERL PRT FIN	411,957.50	449,000	0.31	8.625	6/15/2020
MML HIGH YIELD FUND	FIXED INCOME	ASSURED PARTNERS INC	507,575.00	514,000	0.38	7	8/15/2025
MML HIGH YIELD FUND	FIXED INCOME	UNITED RENTALS NORTH AM	352,225.00	365,000	0.27	4.875	1/15/2028
MML HIGH YIELD FUND	FIXED INCOME	VFH PARENT LLC/ORCHESTRA	1,340,381.25	1,269,000	1.01	6.75	6/15/2022
MML HIGH YIELD FUND	FIXED INCOME	CCO HLDGS LLC/CAP CORP	1,018,125.00	1,086,000	0.77	5	2/1/2028
MML HIGH YIELD FUND	FIXED INCOME	CHS/COMMUNITY HEALTH SYS	460,625.00	500,000	0.35	6.25	3/31/2023
MML HIGH YIELD FUND	FIXED INCOME	KOSMOS ENERGY LTD	1,854,902.50	1,823,000	1.40	7.875	8/1/2021
MML HIGH YIELD FUND	FIXED INCOME	WEST STREET MERGER SUB	465,772.50	489,000	0.35	6.375	9/1/2025
MML HIGH YIELD FUND	FIXED INCOME	BIG RIVER STEEL/BRS FIN	47,725.00	46,000	0.04	7.25	9/1/2025
MML HIGH YIELD FUND	FIXED INCOME	MPT OPER PARTNERSP/FINL	643,076.80	656,000	0.48	5	10/15/2027
MML HIGH YIELD FUND	FIXED INCOME	UNITED RENTALS NORTH AM	242,152.50	249,000	0.18	4.625	10/15/2025

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

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	GOLDEN NUGGET INC	251,075.00	242,000	0.19	8.75	10/1/2025
MML HIGH YIELD FUND	FIXED INCOME	NEXTERA ENERGY OPERATING	192,060.00	198,000	0.14	4.25	9/15/2024
MML HIGH YIELD FUND	EQUITY	PINNACLE AGRICULTURE ENTERPRIS	1,144,535.00	1,144,535	0.86	0	
MML HIGH YIELD FUND	FIXED INCOME	AVANTOR INC	1,376,045.00	1,397,000	1.04	9	10/1/2025
MML HIGH YIELD FUND	FIXED INCOME	AVANTOR INC	648,740.00	652,000	0.49	6	10/1/2024
MML HIGH YIELD FUND	FIXED INCOME	PILGRIM S PRIDE CORP	826,397.10	877,000	0.62	5.875	9/30/2027
MML HIGH YIELD FUND	FIXED INCOME	JONAH NRG LLC/FINANCE	886,500.00	985,000	0.67	7.25	10/15/2025
MML HIGH YIELD FUND	FIXED INCOME	VALEANT PHARMACEUTICALS	269,659.50	277,000	0.20	5.5	11/1/2025
MML HIGH YIELD FUND	FIXED INCOME	ENERGY TRANSFER EQUITY	1,323,080.00	1,364,000	1.00	4.25	3/15/2023
MML HIGH YIELD FUND	FIXED INCOME	NORTHWEST ACQ/DOMINION	141,780.00	139,000	0.11	7.125	11/1/2022
MML HIGH YIELD FUND	FIXED INCOME	CENTENE CORPORATION	1,495,950.00	1,500,000	1.13	0	9/13/2018
MML HIGH YIELD FUND	FIXED INCOME	PBF HOLDING CO LLC	960,843.75	925,000	0.72	7.25	6/15/2025
MML HIGH YIELD FUND	FIXED INCOME	WARRIOR MET COAL INC	344,932.50	339,000	0.26	8	11/1/2024
MML HIGH YIELD FUND	FIXED INCOME	ACRISURE LLC / FIN INC	514,560.00	536,000	0.39	7	11/15/2025
MML HIGH YIELD FUND	FIXED INCOME	PLATFORM SPECIALTY PROD	404,685.00	414,000	0.30	5.875	12/1/2025
MML HIGH YIELD FUND	FIXED INCOME	TELEFLEX INC	175,176.82	182,000	0.13	4.625	11/15/2027
MML HIGH YIELD FUND	FIXED INCOME	WELLTEC A/S	1,032,500.00	1,000,000	0.78	9.5	12/1/2022
MML HIGH YIELD FUND	FIXED INCOME	HESS INF PART / FIN CORP	368,437.50	375,000	0.28	5.625	2/15/2026
MML HIGH YIELD FUND	FIXED INCOME	POST HOLDINGS INC	446,940.00	468,000	0.34	5.625	1/15/2028
MML HIGH YIELD FUND	FIXED INCOME	JAMES HARDIE INTL FIN	664,450.00	685,000	0.50	5	1/15/2028
MML HIGH YIELD FUND	FIXED INCOME	NRG ENERGY INC	747,787.50	765,000	0.56	5.75	1/15/2028
MML HIGH YIELD FUND	FIXED INCOME	STANDARD INDUSTRIES INC	1,265,577.75	1,345,000	0.95	4.75	1/15/2028
MML HIGH YIELD FUND	FIXED INCOME	MATTEL INC	143,692.50	147,000	0.11	6.75	12/31/2025
MML HIGH YIELD FUND	FIXED INCOME	TRIUMPH GROUP INC	482,775.00	471,000	0.36	7.75	8/15/2025
MML HIGH YIELD FUND	FIXED INCOME	EP ENER/EVEREST ACQ FIN	253,205.00	356,000	0.19	9.375	5/1/2024
MML HIGH YIELD FUND	FIXED INCOME	SUNOCO LP/FINANCE CORP	126,578.75	131,000	0.10	5.875	3/15/2028
MML HIGH YIELD FUND	FIXED INCOME	SUNOCO LP/FINANCE CORP	179,490.00	186,000	0.14	5.5	2/15/2026
MML HIGH YIELD FUND	FIXED INCOME	ENSCO PLC	214,695.00	234,000	0.16	7.75	2/1/2026
MML HIGH YIELD FUND	FIXED INCOME	CSC HOLDINGS LLC	469,461.23	497,000	0.35	5.375	2/1/2028
MML HIGH YIELD FUND	FIXED INCOME	ICAHN ENTERPRISES/FIN	764,805.00	761,000	0.58	6.375	12/15/2025
MML HIGH YIELD FUND	FIXED INCOME	CROWN AMER/CAP CORP VI	193,500.00	200,000	0.15	4.75	2/1/2026
MML HIGH YIELD FUND	FIXED INCOME	T MOBILE USA INC	217,242.50	226,000	0.16	4.75	2/1/2028
MML HIGH YIELD FUND	FIXED INCOME	T MOBILE USA INC	141,120.00	147,000	0.11	4.5	2/1/2026
MML HIGH YIELD FUND	FIXED INCOME	JBS USA LUX/JBS USA FIN	791,040.00	824,000	0.60	6.75	2/15/2028
MML HIGH YIELD FUND	FIXED INCOME	APEX TOOL / BC MOUNTAIN	774,060.00	776,000	0.58	9	2/15/2023
MML HIGH YIELD FUND	FIXED INCOME	FIELDWOOD ENERGY LLC	51,654.25	53,252	0.04	0	8/14/2018
MML HIGH YIELD FUND	FIXED INCOME	SPRINT CORP	411,745.40	422,000	0.31	7.625	3/1/2026
MML HIGH YIELD FUND	FIXED INCOME	NEW ENTERPRISE STONE + L	147,183.75	147,000	0.11	6.25	3/15/2026
MML HIGH YIELD FUND	FIXED INCOME	WILLIAM LYON HOMES INC	193,272.50	194,000	0.15	6	9/1/2023
MML HIGH YIELD FUND	FIXED INCOME	TEVA PHARMACEUTICALS NE	305,921.90	315,000	0.23	6	4/15/2024
MML HIGH YIELD FUND	FIXED INCOME	RHP HOTEL PPTY/RHP FINAN	790,972.50	789,000	0.60	5	4/15/2023
MML HIGH YIELD FUND	FIXED INCOME	T MOBILE USA INC	721,437.50	679,000	0.54	6.5	1/15/2026
MML HIGH YIELD FUND	FIXED INCOME	HCA INC	1,157,915.00	1,138,000	0.87	5.875	2/15/2026
MML HIGH YIELD FUND	FIXED INCOME	CCO HLDGS LLC/CAP CORP	1,526,250.00	1,500,000	1.15	5.875	4/1/2024
MML HIGH YIELD FUND	FIXED INCOME	AIRCATTLE LTD	116,531.25	113,000	0.09	5	4/1/2023
MML HIGH YIELD FUND	FIXED INCOME	T MOBILE USA INC	471,844.80	453,000	0.36	6	4/15/2024
MML HIGH YIELD FUND	FIXED INCOME	PRIME SECSRVC BRW/FINANC	1,136,780.32	1,049,000	0.86	9.25	5/15/2023
MML HIGH YIELD FUND	FIXED INCOME	REGIONALCARE HOSPITAL PR	183,040.00	176,000	0.14	8.25	5/1/2023
MML HIGH YIELD FUND	FIXED INCOME	STONEMOR PART/CORNER FAM	679,400.00	688,000	0.51	7.875	6/1/2021
MML HIGH YIELD FUND	FIXED INCOME	CHEMOURS CO	441,720.00	409,000	0.33	7	5/15/2025
MML HIGH YIELD FUND	FIXED INCOME	PENSKE AUTOMOTIVE GROUP	982,500.00	1,000,000	0.74	5.5	5/15/2026
MML HIGH YIELD FUND	FIXED INCOME	SIRIUS XM RADIO INC	164,912.50	167,000	0.12	5.375	7/15/2026

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

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	VERITAS US INC/BERMUDA L	930,325.00	995,000	0.70	10.5	2/1/2024
MML HIGH YIELD FUND	FIXED INCOME	FIELDWOOD ENERGY LLC	668,935.15	674,554	0.50	0	8/31/2020
MML HIGH YIELD FUND	FIXED INCOME	FIELDWOOD ENERGY LLC	368,014.64	387,384	0.28	0	9/30/2020
MML HIGH YIELD FUND	FIXED INCOME	DECK CHASSIS ACQ INC	2,179,072.50	2,013,000	1.64	10	6/15/2023
MML HIGH YIELD FUND	FIXED INCOME	WMG ACQUISITION CORP	262,327.50	262,000	0.20	5	8/1/2023
MML HIGH YIELD FUND	FIXED INCOME	DISH DBS CORP	966,820.25	1,031,000	0.73	7.75	7/1/2026
MML HIGH YIELD FUND	FIXED INCOME	ALLISON TRANSMISSION INC	291,427.50	294,000	0.22	5	10/1/2024
MML HIGH YIELD FUND	FIXED INCOME	RP CROWN PARENT LLC	197,685.00	191,000	0.15	7.375	10/15/2024
MML HIGH YIELD FUND	FIXED INCOME	GULF FIN LLC	477,270.29	519,478	0.36	0	8/25/2023
MML HIGH YIELD FUND	FIXED INCOME	KISSNER HLD / MILL / BSC	1,249,500.00	1,225,000	0.94	8.375	12/1/2022
MML HIGH YIELD FUND	FIXED INCOME	ROWAN COMPANIES INC	228,750.00	244,000	0.17	7.375	6/15/2025
MML HIGH YIELD FUND	FIXED INCOME	CHESAPEAKE ENERGY CORP	868,815.00	898,000	0.65	8	1/15/2025
MML HIGH YIELD FUND	FIXED INCOME	CARLSON TRAVEL INC	494,760.00	496,000	0.37	6.75	12/15/2023
MML HIGH YIELD FUND	FIXED INCOME	CARLSON TRAVEL INC	804,892.50	862,000	0.61	9.5	12/15/2024
MML HIGH YIELD FUND	FIXED INCOME	PBF HOLDING CO LLC	48,645.00	47,000	0.04	7	11/15/2023
MML HIGH YIELD FUND	FIXED INCOME	EP ENER/EVEREST ACQ FIN	721,567.50	1,081,000	0.54	8	2/15/2025
MML HIGH YIELD FUND	FIXED INCOME	POST HOLDINGS INC	304,365.00	309,000	0.23	5.5	3/1/2025
MML HIGH YIELD FUND	FIXED INCOME	POST HOLDINGS INC	380,090.00	382,000	0.29	5.75	3/1/2027
MML HIGH YIELD FUND	FIXED INCOME	A SCHULMAN INC	1,173,160.00	1,112,000	0.88	6.875	6/1/2023
MML HIGH YIELD FUND	FIXED INCOME	TRANSDIGM INC	1,228,142.50	1,219,000	0.92	6.375	6/15/2026
MML HIGH YIELD FUND	FIXED INCOME	LPL HOLDINGS INC	1,346,540.80	1,364,000	1.01	5.75	9/15/2025
MML HIGH YIELD FUND	FIXED INCOME	AIRCATTLE LTD	839,860.00	857,000	0.63	4.125	5/1/2024
MML HIGH YIELD FUND	FIXED INCOME	VALEANT PHARMACEUTICALS	597,720.00	600,000	0.45	9.25	4/1/2026
MML HIGH YIELD FUND	CASH EQUIVALENT	COX ENTERPRISES INC	2,999,331.99	3,000,000	2.26	0	4/2/2018
MML HIGH YIELD FUND	FIXED INCOME	CEQUEL COM HLDG I/CAP CP	577,712.50	565,000	0.43	7.5	4/1/2028
MML HIGH YIELD FUND	FIXED INCOME	KCA DEUTAG UK FINANCE PL	343,131.25	341,000	0.26	9.625	4/1/2023
MML HIGH YIELD FUND	FIXED INCOME	PINNACLE OPERATING CORP	1,567,470.68	1,667,522	1.18	9	5/15/2023
MML HIGH YIELD FUND	FIXED INCOME	VALEANT PHARMACEUTICALS	302,325.00	290,000	0.23	7	3/15/2024
MML HIGH YIELD FUND	FIXED INCOME	VALEANT PHARMACEUTICALS	176,557.50	171,000	0.13	6.5	3/15/2022
MML HIGH YIELD FUND	FIXED INCOME	FIRST QUANTUM MINERALS L	650,762.50	659,000	0.49	7.25	4/1/2023
MML HIGH YIELD FUND	FIXED INCOME	FIRST QUANTUM MINERALS L	642,220.00	652,000	0.48	7.5	4/1/2025
MML HIGH YIELD FUND	FIXED INCOME	NRG ENERGY INC	717,795.00	702,000	0.54	6.625	1/15/2027
MML HIGH YIELD FUND	FIXED INCOME	CARDTRONICS INC / USA	544,765.00	578,000	0.41	5.5	5/1/2025
MML HIGH YIELD FUND	FIXED INCOME	USIS MERGER SUB INC	197,000.00	197,000	0.15	6.875	5/1/2025
MML HIGH YIELD FUND	FIXED INCOME	ALLIANCE RES OP/FINANCE	702,450.00	669,000	0.53	7.5	5/1/2025
MML HIGH YIELD FUND	FIXED INCOME	HUGHES SATELLITE SYSTEMS	788,900.00	805,000	0.59	5.25	8/1/2026
MML HIGH YIELD FUND	FIXED INCOME	HUGHES SATELLITE SYSTEMS	270,640.00	272,000	0.20	6.625	8/1/2026
MML HIGH YIELD FUND	FIXED INCOME	TEMPO ACQUISITION LLC/FI	703,120.00	704,000	0.53	6.75	6/1/2025
MML HIGH YIELD FUND	FIXED INCOME	BOOZ ALLEN HAMILTON INC	685,425.00	703,000	0.52	5.125	5/1/2025
MML HIGH YIELD FUND	FIXED INCOME	ALMONDE INC	1,148,943.94	1,161,101	0.86	0	6/13/2025
MML HIGH YIELD FUND	FIXED INCOME	WYNN LAS VEGAS LLC/CORP	482,775.00	492,000	0.36	5.25	5/15/2027
MML HIGH YIELD FUND	FIXED INCOME	CHEMOURS CO	222,555.00	222,000	0.17	5.375	5/15/2027
MML HIGH YIELD FUND	FIXED INCOME	SUNCOKE ENRGY PART LP/FI	1,043,390.00	1,013,000	0.79	7.5	6/15/2025
MML HIGH YIELD FUND	FIXED INCOME	CHESAPEAKE ENERGY CORP	133,700.00	140,000	0.10	8	6/15/2027
MML HIGH YIELD FUND	FIXED INCOME	CONSOLIDATED ENERGY FIN	686,112.50	655,000	0.52	6.875	6/15/2025
MML HIGH YIELD FUND	FIXED INCOME	HERTZ CORP	1,522,500.00	1,500,000	1.15	7.625	6/1/2022
MML HIGH YIELD FUND	FIXED INCOME	TENET HEALTHCARE CORP	384,500.00	400,000	0.29	4.625	7/15/2024
MML HIGH YIELD FUND	FIXED INCOME	AMC ENTERTAINMENT HOLDIN	107,375.90	109,000	0.08	6.125	5/15/2027
MML HIGH YIELD FUND	FIXED INCOME	J2 CLOUD LLC/GLOBAL INC	472,972.50	462,000	0.36	6	7/15/2025
MML HIGH YIELD FUND	FIXED INCOME	APTIM CORP	388,385.00	449,000	0.29	7.75	6/15/2025
MML HIGH YIELD FUND	FIXED INCOME	KINROSS GOLD CORP	626,752.00	640,000	0.47	4.5	7/15/2027
MML HIGH YIELD FUND	FIXED INCOME	CORE + MAIN LP	28,347.50	29,000	0.02	6.125	8/15/2025

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

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	BRUNSWICK CORP	332,905.97	285,000	0.25	7.375	9/1/2023
MML HIGH YIELD FUND	FIXED INCOME	PLATFORM SPECIALTY PROD	429,873.75	423,000	0.32	6.5	2/1/2022
MML HIGH YIELD FUND	FIXED INCOME	VALEANT PHARMACEUTICALS	1,417,909.00	1,643,000	1.07	6.125	4/15/2025
MML HIGH YIELD FUND	FIXED INCOME	YORK RISK SERVICES HLDG	927,520.00	992,000	0.70	8.5	10/1/2022
MML HIGH YIELD FUND	FIXED INCOME	AMERICAN AIRLINES GROUP	1,934,776.65	1,891,000	1.46	5.5	10/1/2019
MML HIGH YIELD FUND	FIXED INCOME	TRIUMPH GROUP INC	91,180.00	94,000	0.07	5.25	6/1/2022
MML HIGH YIELD FUND	FIXED INCOME	CONSOLIDATED ENERGY FIN	769,561.25	761,000	0.58	6.75	10/15/2019
MML HIGH YIELD FUND	FIXED INCOME	SPRINT CORP	1,609,560.00	1,578,000	1.21	7.875	9/15/2023
MML HIGH YIELD FUND	FIXED INCOME	SPRINT CORP	770,143.75	745,000	0.58	7.25	9/15/2021
MML HIGH YIELD FUND	FIXED INCOME	TIBCO SOFTWARE INC	2,587,958.75	2,377,000	1.95	11.375	12/1/2021
MML HIGH YIELD FUND	FIXED INCOME	AIRCATTLE LTD	117,802.50	113,000	0.09	5.5	2/15/2022
MML HIGH YIELD FUND	FIXED INCOME	VALEANT PHARMACEUTICALS	395,500.00	452,000	0.30	5.5	3/1/2023
MML HIGH YIELD FUND	FIXED INCOME	KINROSS GOLD CORP	473,854.50	441,000	0.36	5.95	3/15/2024
MML HIGH YIELD FUND	FIXED INCOME	ENDO DAC/FIN LLC/FINCO	488,617.50	681,000	0.37	6	2/1/2025
MML HIGH YIELD FUND	FIXED INCOME	ARCELORMITTAL	891,637.50	767,000	0.67	7	3/1/2041
MML HIGH YIELD FUND	FIXED INCOME	PERRY ELLIS INTL INC	729,087.50	730,000	0.55	7.875	4/1/2019
MML HIGH YIELD FUND	FIXED INCOME	INTERNATIONAL AUTOMOTIVE	1,565,097.50	1,654,000	1.18	9.125	6/1/2018
MML HIGH YIELD FUND	FIXED INCOME	TRANSOCEAN INC	148,500.00	150,000	0.11	9.35	12/15/2041
MML HIGH YIELD FUND	FIXED INCOME	J.B. POINDEXTER + CO	2,472,937.50	2,398,000	1.86	9	4/1/2022
MML HIGH YIELD FUND	FIXED INCOME	KINROSS GOLD CORP	542,640.00	476,000	0.41	6.875	9/1/2041
MML HIGH YIELD FUND	FIXED INCOME	CLEAR CHANNEL WORLDWIDE	1,605,990.00	1,608,000	1.21	7.625	3/15/2020
MML HIGH YIELD FUND	FIXED INCOME	ZACHRY HOLDINGS INC	1,098,175.00	1,090,000	0.83	7.5	2/1/2020
MML HIGH YIELD FUND	FIXED INCOME	WATCO COS LLC/FINANCE CO	8,200.00	8,000	0.01	6.375	4/1/2023
MML HIGH YIELD FUND	FIXED INCOME	LBC TANK TERMINAL HLDING	1,141,552.50	1,111,000	0.86	6.875	5/15/2023
MML HIGH YIELD FUND	FIXED INCOME	TRIUMPH GROUP INC	412,505.00	422,000	0.31	4.875	4/1/2021
MML HIGH YIELD FUND	FIXED INCOME	KEHE DISTRIBUTORS LLC/FI	635,375.00	650,000	0.48	7.625	8/15/2021
MML HIGH YIELD FUND	FIXED INCOME	FIELDWOOD ENERGY LLC	172,617.33	863,087	0.13	0	9/30/2020
MML HIGH YIELD FUND	FIXED INCOME	APPVION INC	215.70	2,157,000	0.00	9	6/1/2020
MML HIGH YIELD FUND	FIXED INCOME	BRUNSWICK CORP	2,729,110.86	2,245,000	2.05	7.125	8/1/2027
MML HIGH YIELD FUND	CASH	US DOLLAR	2,449,974.43	2,449,974	1.84	0	
MML HIGH YIELD FUND	FIXED INCOME	TRANSOCEAN INC	376,740.00	483,000	0.28	6.8	3/15/2038
MML HIGH YIELD FUND	FIXED INCOME	DELL INC	528,338.75	529,000	0.40	6.5	4/15/2038
MML HIGH YIELD FUND	FIXED INCOME	ALLY FINANCIAL INC	1,256,600.00	1,030,000	0.95	8	11/1/2031
MML HIGH YIELD FUND	FIXED INCOME	FERL PRT LP/FERL PRT FIN	680,785.00	742,000	0.51	8.625	6/15/2020
MML HIGH YIELD FUND	FIXED INCOME	ALLEGHENY TECHNOLOGIES	1,215,840.00	1,192,000	0.92	5.95	1/15/2021
MML HIGH YIELD FUND	FIXED INCOME	ALTICE LUXEMBOURG SA	855,000.00	1,000,000	0.64	7.625	2/15/2025
MML HIGH YIELD FUND	FIXED INCOME	ALTICE FINANCING SA	594,000.00	600,000	0.45	6.625	2/15/2023
MML HIGH YIELD FUND	FIXED INCOME	CITGO HOLDING INC	1,775,523.75	1,677,000	1.34	10.75	2/15/2020
MML HIGH YIELD FUND	FIXED INCOME	COVERIS HOLDINGS SA	2,647,602.50	2,641,000	1.99	7.875	11/1/2019
MML HIGH YIELD FUND	FIXED INCOME	WYNN LAS VEGAS LLC/CORP	140,700.00	140,000	0.11	5.5	3/1/2025
MML HIGH YIELD FUND	FIXED INCOME	PILGRIM S PRIDE CORP	239,864.17	247,000	0.18	5.75	3/15/2025
MML HIGH YIELD FUND	FIXED INCOME	VALEANT PHARMACEUTICALS	170,320.57	193,000	0.13	5.875	5/15/2023
MML HIGH YIELD FUND	FIXED INCOME	TENET HEALTHCARE CORP	354,450.00	340,000	0.27	8.125	4/1/2022
MML HIGH YIELD FUND	FIXED INCOME	ALTICE FINCO SA	633,450.00	615,000	0.48	8.125	1/15/2024
MML HIGH YIELD FUND	FIXED INCOME	HECLA MINING CO	1,294,831.25	1,271,000	0.97	6.875	5/1/2021
MML HIGH YIELD FUND	FIXED INCOME	DEL MONTE FOODS INC	187,432.27	220,325	0.14	0	2/18/2021
MML HIGH YIELD FUND	FIXED INCOME	TULLOW OIL PLC	1,054,143.75	1,045,000	0.79	6.25	4/15/2022
MML HIGH YIELD FUND	FIXED INCOME	SFR GROUP SA	245,050.00	260,000	0.18	6.25	5/15/2024
MML HIGH YIELD FUND	FIXED INCOME	CAELUS ENERGY ALASKA O3 LLC	1,452,758.56	1,639,220	1.09	0	4/15/2020
MML HIGH YIELD FUND	FIXED INCOME	ORTHO CLINICAL INC/SA	1,321,125.00	1,355,000	0.99	6.625	5/15/2022
MML HIGH YIELD FUND	FIXED INCOME	TELECOM ITALIA SPA	520,960.00	512,000	0.39	5.303	5/30/2024
MML HIGH YIELD FUND	FIXED INCOME	JBS USA LLC/JBS USA FINA	630,043.80	646,000	0.47	5.875	7/15/2024

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

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	C+S GROUP ENTERPRISES LL	970,641.10	1,030,000	0.73	5.375	7/15/2022
MML HIGH YIELD FUND	FIXED INCOME	FERRELLGAS LP/FERRELLGAS	473,750.00	500,000	0.36	6.75	1/15/2022
MML HIGH YIELD FUND	FIXED INCOME	JUPITER RESOURCES INC	1,062,600.00	2,310,000	0.80	8.5	10/1/2022
MML HIGH YIELD FUND	FIXED INCOME	MURRAY ENERGY CORPORATION	-	-	0.00	0	4/16/2020
MML HIGH YIELD FUND	FIXED INCOME	BROOKFIELD RESIDENTIAL	497,137.50	491,000	0.37	6.375	5/15/2025
MML HIGH YIELD FUND	FIXED INCOME	GENESIS ENERGY LP/GENESI	1,153,435.00	1,171,000	0.87	6	5/15/2023
MML HIGH YIELD FUND	FIXED INCOME	GCI LLC	1,623,625.00	1,550,000	1.22	6.875	4/15/2025
MML HIGH YIELD FUND	FIXED INCOME	ENPRO INDUSTRIES INC	1,313,896.25	1,271,000	0.99	5.875	9/15/2022
MML HIGH YIELD FUND	FIXED INCOME	GENESIS ENERGY LP/GENESI	277,087.50	270,000	0.21	6.75	8/1/2022
MML HIGH YIELD FUND	FIXED INCOME	KENAN ADVANTAGE GROUP	3,280,000.00	3,200,000	2.47	7.875	7/31/2023
MML HIGH YIELD FUND	FIXED INCOME	MIDCONTINENT COMM + FIN	908,280.00	864,000	0.68	6.875	8/15/2023
MML HIGH YIELD FUND	FIXED INCOME	HALYARD HEALTH INC	1,332,500.00	1,300,000	1.00	6.25	10/15/2022
MML FUNDAMENTAL VALUE FUND	EQUITY	MEDTRONIC PLC	3,099,620.58	38,639	1.42	0	
MML FUNDAMENTAL VALUE FUND	EQUITY	EVERSOURCE ENERGY	2,540,041.20	43,110	1.16	0	
MML FUNDAMENTAL VALUE FUND	EQUITY	ALLERGAN PLC	2,455,351.10	14,590	1.12	0	
MML FUNDAMENTAL VALUE FUND	EQUITY	KRAFT HEINZ CO/THE	1,158,967.74	18,606	0.53	0	
MML FUNDAMENTAL VALUE FUND	EQUITY	NIELSEN HOLDINGS PLC	1,230,908.80	38,720	0.56	0	
MML FUNDAMENTAL VALUE FUND	EQUITY	CHUBB LTD	3,429,507.75	25,075	1.57	0	
MML FUNDAMENTAL VALUE FUND	EQUITY	XL GROUP LTD	1,605,855.60	29,060	0.73	0	
MML FUNDAMENTAL VALUE FUND	EQUITY	PARK HOTELS + RESORTS INC	2,656,336.20	98,310	1.21	0	
MML FUNDAMENTAL VALUE FUND	EQUITY	HILTON WORLDWIDE HOLDINGS IN	2,662,875.60	33,810	1.22	0	
MML FUNDAMENTAL VALUE FUND	EQUITY	SCHNEIDER NATIONAL INC CL B	1,339,223.40	51,390	0.61	0	
MML FUNDAMENTAL VALUE FUND	EQUITY	DOWDUPONT INC	3,311,008.70	51,970	1.51	0	
MML FUNDAMENTAL VALUE FUND	CASH EQUIVALENT	FIXED INC CLEARING CORP.REPO	4,527,828.52	4,527,829	2.07	0.74	4/2/2018
MML FUNDAMENTAL VALUE FUND	EQUITY	QURATE RETAIL GROUP INC	2,468,925.30	98,090	1.13	0	
MML FUNDAMENTAL VALUE FUND	EQUITY	WELLS FARGO + CO	6,233,121.30	118,930	2.85	0	
MML FUNDAMENTAL VALUE FUND	EQUITY	PNC FINANCIAL SERVICES GROUP	5,851,475.60	38,690	2.67	0	
MML FUNDAMENTAL VALUE FUND	EQUITY	BANK OF AMERICA CORP	4,880,872.50	162,750	2.23	0	
MML FUNDAMENTAL VALUE FUND	CASH	US DOLLAR	100,831.15	100,831	0.05	0	
MML FUNDAMENTAL VALUE FUND	EQUITY	BRISTOL MYERS SQUIBB CO	3,139,097.50	49,630	1.43	0	
MML FUNDAMENTAL VALUE FUND	EQUITY	CANADIAN NATURAL RESOURCES	2,261,434.20	71,860	1.03	0	
MML FUNDAMENTAL VALUE FUND	EQUITY	M + T BANK CORP	3,220,769.20	17,470	1.47	0	
MML FUNDAMENTAL VALUE FUND	EQUITY	THOMSON REUTERS CORP	594,050.50	15,370	0.27	0	
MML FUNDAMENTAL VALUE FUND	EQUITY	EOG RESOURCES INC	3,229,683.60	30,680	1.47	0	
MML FUNDAMENTAL VALUE FUND	EQUITY	EDISON INTERNATIONAL	1,990,011.60	31,260	0.91	0	
MML FUNDAMENTAL VALUE FUND	EQUITY	UNUM GROUP	984,574.80	20,680	0.45	0	
MML FUNDAMENTAL VALUE FUND	EQUITY	DOMINION ENERGY INC	1,146,310.00	17,000	0.52	0	
MML FUNDAMENTAL VALUE FUND	EQUITY	INTERNATIONAL PAPER CO	2,817,363.90	52,730	1.29	0	
MML FUNDAMENTAL VALUE FUND	EQUITY	OCCIDENTAL PETROLEUM CORP	1,186,169.60	18,260	0.54	0	
MML FUNDAMENTAL VALUE FUND	EQUITY	PIONEER NATURAL RESOURCES CO	2,042,464.20	11,890	0.93	0	
MML FUNDAMENTAL VALUE FUND	EQUITY	PULTEGROUP INC	1,965,213.60	66,640	0.90	0	
MML FUNDAMENTAL VALUE FUND	EQUITY	MARATHON OIL CORP	2,231,650.02	138,354	1.02	0	
MML FUNDAMENTAL VALUE FUND	EQUITY	UNION PACIFIC CORP	3,223,631.40	23,980	1.47	0	
MML FUNDAMENTAL VALUE FUND	EQUITY	TRIUMPH GROUP INC	789,768.00	31,340	0.36	0	
MML FUNDAMENTAL VALUE FUND	EQUITY	COGNIZANT TECH SOLUTIONS A	2,431,905.00	30,210	1.11	0	
MML FUNDAMENTAL VALUE FUND	EQUITY	BRITISH AMERICAN TOBACCO PLC	1,865,764.16	32,140	0.85	0	
MML FUNDAMENTAL VALUE FUND	EQUITY	CISCO SYSTEMS INC	6,973,056.20	162,580	3.18	0	
MML FUNDAMENTAL VALUE FUND	EQUITY	EXXON MOBIL CORP	2,519,579.70	33,770	1.15	0	
MML FUNDAMENTAL VALUE FUND	EQUITY	HOME DEPOT INC	2,240,476.80	12,570	1.02	0	
MML FUNDAMENTAL VALUE FUND	EQUITY	MICROSOFT CORP	2,635,877.60	28,880	1.20	0	
MML FUNDAMENTAL VALUE FUND	EQUITY	NOKIA CORP SPON ADR	1,591,223.00	290,900	0.73	0	
MML FUNDAMENTAL VALUE FUND	EQUITY	MARSH + MCLENNAN COS	2,633,795.10	31,890	1.20	0	

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML FUNDAMENTAL VALUE FUND	EQUITY	INTEL CORP	5,290,807.20	101,590	2.42		0
MML FUNDAMENTAL VALUE FUND	EQUITY	ELI LILLY + CO	2,205,045.00	28,500	1.01		0
MML FUNDAMENTAL VALUE FUND	EQUITY	UNITED TECHNOLOGIES CORP	3,258,738.00	25,900	1.49		0
MML FUNDAMENTAL VALUE FUND	EQUITY	ANALOG DEVICES INC	1,448,967.00	15,900	0.66		0
MML FUNDAMENTAL VALUE FUND	EQUITY	NEWELL BRANDS INC	969,514.00	38,050	0.44		0
MML FUNDAMENTAL VALUE FUND	EQUITY	CATERPILLAR INC	2,315,339.80	15,710	1.06		0
MML FUNDAMENTAL VALUE FUND	EQUITY	GOLDMAN SACHS GROUP INC	2,790,608.80	11,080	1.27		0
MML FUNDAMENTAL VALUE FUND	EQUITY	HALLIBURTON CO	2,676,049.40	57,010	1.22		0
MML FUNDAMENTAL VALUE FUND	EQUITY	MAXIM INTEGRATED PRODUCTS	2,538,273.00	42,150	1.16		0
MML FUNDAMENTAL VALUE FUND	EQUITY	QUALCOMM INC	2,741,132.70	49,470	1.25		0
MML FUNDAMENTAL VALUE FUND	EQUITY	TJX COMPANIES INC	2,438,644.00	29,900	1.11		0
MML FUNDAMENTAL VALUE FUND	EQUITY	METLIFE INC	2,087,536.10	45,490	0.95		0
MML FUNDAMENTAL VALUE FUND	EQUITY	ASTRAZENECA PLC SPONS ADR	2,317,461.90	66,270	1.06		0
MML FUNDAMENTAL VALUE FUND	EQUITY	UNILEVER N V NY SHARES	1,697,902.90	30,110	0.78		0
MML FUNDAMENTAL VALUE FUND	EQUITY	UNITEDHEALTH GROUP INC	3,257,080.00	15,220	1.49		0
MML FUNDAMENTAL VALUE FUND	EQUITY	BLACKROCK INC	3,022,797.60	5,580	1.38		0
MML FUNDAMENTAL VALUE FUND	EQUITY	VERIZON COMMUNICATIONS INC	3,316,795.20	69,360	1.51		0
MML FUNDAMENTAL VALUE FUND	EQUITY	KONINKLIJKE PHILIPS NVR NY	2,257,991.40	58,940	1.03		0
MML FUNDAMENTAL VALUE FUND	EQUITY	NASDAQ INC	2,659,024.80	30,840	1.21		0
MML FUNDAMENTAL VALUE FUND	EQUITY	JPMORGAN CHASE + CO	10,579,114.00	96,200	4.83		0
MML FUNDAMENTAL VALUE FUND	EQUITY	ROCHE HOLDING AG GENUSSCHEIN	2,869,521.51	12,511	1.31		0
MML FUNDAMENTAL VALUE FUND	EQUITY	ZIMMER BIOMET HOLDINGS INC	2,040,138.40	18,710	0.93		0
MML FUNDAMENTAL VALUE FUND	EQUITY	CHEVRON CORP	4,805,645.60	42,140	2.19		0
MML FUNDAMENTAL VALUE FUND	EQUITY	PRINCIPAL FINANCIAL GROUP	1,153,026.30	18,930	0.53		0
MML FUNDAMENTAL VALUE FUND	EQUITY	3M CO	2,133,734.40	9,720	0.97		0
MML FUNDAMENTAL VALUE FUND	EQUITY	COMCAST CORP CLASS A	2,204,990.10	64,530	1.01		0
MML FUNDAMENTAL VALUE FUND	EQUITY	VIACOM INC CLASS B	1,453,608.00	46,800	0.66		0
MML FUNDAMENTAL VALUE FUND	EQUITY	CBS CORP CLASS B NON VOTING	1,595,659.50	31,050	0.73		0
MML FUNDAMENTAL VALUE FUND	EQUITY	INVESCO LTD	2,436,921.30	76,130	1.11		0
MML FUNDAMENTAL VALUE FUND	EQUITY	PHILIP MORRIS INTERNATIONAL	3,134,082.00	31,530	1.43		0
MML FUNDAMENTAL VALUE FUND	EQUITY	NETAPP INC	2,946,931.30	47,770	1.35		0
MML FUNDAMENTAL VALUE FUND	EQUITY	AMERICAN INTERNATIONAL GROUP	1,761,031.20	32,360	0.80		0
MML FUNDAMENTAL VALUE FUND	EQUITY	INGERSOLL RAND PLC	3,141,637.40	36,740	1.43		0
MML FUNDAMENTAL VALUE FUND	EQUITY	MERCK + CO. INC.	4,283,520.80	78,640	1.96		0
MML FUNDAMENTAL VALUE FUND	EQUITY	NEXTERA ENERGY INC	1,631,666.70	9,990	0.74		0
MML FUNDAMENTAL VALUE FUND	EQUITY	CITIGROUP INC	5,856,975.00	86,770	2.67		0
MML FUNDAMENTAL VALUE FUND	EQUITY	FORTUNE BRANDS HOME + SECURI	2,552,292.60	43,340	1.17		0
MML FUNDAMENTAL VALUE FUND	EQUITY	MONDELEZ INTERNATIONAL INC A	1,941,279.60	46,520	0.89		0
MML FUNDAMENTAL VALUE FUND	EQUITY	EATON CORP PLC	3,629,512.20	45,420	1.66		0
MML FUNDAMENTAL VALUE FUND	EQUITY	NORWEGIAN CRUISE LINE HOLDIN	1,807,336.40	34,120	0.83		0
MML FUNDAMENTAL VALUE FUND	EQUITY	L BRANDS INC	1,358,365.50	35,550	0.62		0
MML FUNDAMENTAL VALUE FUND	EQUITY	BRIXMOR PROPERTY GROUP INC	1,169,217.50	76,670	0.53		0
MML FOCUSED EQUITY FUND	EQUITY	DIAGEO PLC	2,537,527.37	75,008	4.16		0
MML FOCUSED EQUITY FUND	EQUITY	MICROSOFT CORP	2,629,945.05	28,815	4.31		0
MML FOCUSED EQUITY FUND	EQUITY	PRAXAIR INC	1,858,728.30	12,881	3.04		0
MML FOCUSED EQUITY FUND	EQUITY	PNC FINANCIAL SERVICES GROUP	2,630,366.08	17,392	4.31		0
MML FOCUSED EQUITY FUND	CASH	US DOLLAR	23,159.13	23,159	0.04		0
MML FOCUSED EQUITY FUND	EQUITY	BRISTOL MYERS SQUIBB CO	2,772,121.00	43,828	4.54		0
MML FOCUSED EQUITY FUND	EQUITY	MARSH + MCLENNAN COS	1,840,518.15	22,285	3.01		0
MML FOCUSED EQUITY FUND	EQUITY	COSTCO WHOLESALE CORP	1,706,610.51	9,057	2.79		0
MML FOCUSED EQUITY FUND	EQUITY	MCDONALD S CORP	1,512,663.74	9,673	2.48		0
MML FOCUSED EQUITY FUND	EQUITY	AMERICAN EXPRESS CO	2,607,642.40	27,955	4.27		0

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML FOCUSED EQUITY FUND	EQUITY	COCA COLA CO/THE	2,154,562.30	49,610	3.53		0
MML FOCUSED EQUITY FUND	EQUITY	NIKE INC CL B	3,396,745.00	51,125	5.56		0
MML FOCUSED EQUITY FUND	EQUITY	CARDINAL HEALTH INC	1,550,765.88	24,741	2.54		0
MML FOCUSED EQUITY FUND	EQUITY	PEPSICO INC	1,538,032.65	14,091	2.52		0
MML FOCUSED EQUITY FUND	EQUITY	UNITED PARCEL SERVICE CL B	1,846,830.36	17,646	3.02		0
MML FOCUSED EQUITY FUND	EQUITY	PUBLIC STORAGE	2,753,759.38	13,742	4.51		0
MML FOCUSED EQUITY FUND	EQUITY	COLGATE PALMOLIVE CO	2,155,991.04	30,078	3.53		0
MML FOCUSED EQUITY FUND	EQUITY	TJX COMPANIES INC	2,904,759.40	35,615	4.76		0
MML FOCUSED EQUITY FUND	EQUITY	UNITEDHEALTH GROUP INC	1,186,202.00	5,543	1.94		0
MML FOCUSED EQUITY FUND	EQUITY	BLACKROCK INC	1,238,371.92	2,286	2.03		0
MML FOCUSED EQUITY FUND	EQUITY	VISA INC CLASS A SHARES	1,860,928.34	15,557	3.05		0
MML FOCUSED EQUITY FUND	EQUITY	ACCENTURE PLC CL A	2,199,962.00	14,332	3.60		0
MML FOCUSED EQUITY FUND	EQUITY	AMERICAN TOWER CORP	1,851,486.26	12,739	3.03		0
MML FOCUSED EQUITY FUND	EQUITY	MEDTRONIC PLC	2,606,107.14	32,487	4.27		0
MML FOCUSED EQUITY FUND	EQUITY	CHUBB LTD	2,976,662.28	21,764	4.87		0
MML FOCUSED EQUITY FUND	CASH EQUIVALENT	FIXED INC CLEARING CORP.REPO	726,264.05	726,264	1.19	0.74	4/2/2018
MML FOCUSED EQUITY FUND	EQUITY	CANADIAN NATL RAILWAY CO	2,778,207.85	38,013	4.55		0
MML FOCUSED EQUITY FUND	EQUITY	MCKESSON CORP	1,537,032.57	10,911	2.52		0
MML FOCUSED EQUITY FUND	CASH	CANADIAN DOLLAR	11,386.52	14,670	0.02		0
MML FOCUSED EQUITY FUND	EQUITY	LOCKHEED MARTIN CORP	1,222,968.67	3,619	2.00		0
MML FOCUSED EQUITY FUND	EQUITY	UNION PACIFIC CORP	2,454,557.37	18,259	4.02		0
MML FUNDAMENTAL GROWTH FUND	EQUITY	SS+C TECHNOLOGIES HOLDINGS	1,155,673.80	21,545	0.98		0
MML FUNDAMENTAL GROWTH FUND	EQUITY	O REILLY AUTOMOTIVE INC	676,089.54	2,733	0.57		0
MML FUNDAMENTAL GROWTH FUND	EQUITY	CITIGROUP INC	1,113,750.00	16,500	0.95		0
MML FUNDAMENTAL GROWTH FUND	EQUITY	YANDEX NV A	770,379.60	19,528	0.66		0
MML FUNDAMENTAL GROWTH FUND	EQUITY	AMERICAN TOWER CORP	1,285,968.32	8,848	1.09		0
MML FUNDAMENTAL GROWTH FUND	EQUITY	GUIDEWIRE SOFTWARE INC	452,163.02	5,594	0.38		0
MML FUNDAMENTAL GROWTH FUND	EQUITY	FACEBOOK INC A	3,880,979.52	24,288	3.30		0
MML FUNDAMENTAL GROWTH FUND	EQUITY	SERVICENOW INC	971,026.05	5,869	0.83		0
MML FUNDAMENTAL GROWTH FUND	EQUITY	WORKDAY INC CLASS A	1,017,007.11	8,001	0.86		0
MML FUNDAMENTAL GROWTH FUND	EQUITY	ICON PLC	938,976.72	7,948	0.80		0
MML FUNDAMENTAL GROWTH FUND	EQUITY	INTERCONTINENTAL EXCHANGE IN	1,321,894.56	18,228	1.12		0
MML FUNDAMENTAL GROWTH FUND	EQUITY	ALIBABA GROUP HOLDING SP ADR	426,363.42	2,323	0.36		0
MML FUNDAMENTAL GROWTH FUND	EQUITY	ANTHEM INC	1,202,637.80	5,474	1.02		0
MML FUNDAMENTAL GROWTH FUND	EQUITY	PAYPAL HOLDINGS INC	1,330,759.80	17,540	1.13		0
MML FUNDAMENTAL GROWTH FUND	EQUITY	ALPHABET INC CL C	6,103,037.85	5,915	5.19		0
MML FUNDAMENTAL GROWTH FUND	EQUITY	ATLASSIAN CORP PLC CLASS A	462,040.48	8,569	0.39		0
MML FUNDAMENTAL GROWTH FUND	EQUITY	S+P GLOBAL INC	585,025.72	3,062	0.50		0
MML FUNDAMENTAL GROWTH FUND	EQUITY	FORTIVE CORP	1,072,179.12	13,831	0.91		0
MML FUNDAMENTAL GROWTH FUND	EQUITY	IHS MARKIT LTD	962,195.04	19,946	0.82		0
MML FUNDAMENTAL GROWTH FUND	EQUITY	OKTA INC	321,390.25	8,065	0.27		0
MML FUNDAMENTAL GROWTH FUND	EQUITY	BAKER HUGHES A GE CO	531,851.04	19,152	0.45		0
MML FUNDAMENTAL GROWTH FUND	EQUITY	CLEVELAND CLIFFS INC	279,383.05	40,199	0.24		0
MML FUNDAMENTAL GROWTH FUND	EQUITY	WORLDPAY INC CLASS A	1,410,087.04	17,146	1.20		0
MML FUNDAMENTAL GROWTH FUND	EQUITY	RIO TINTO PLC SPON ADR	1,929,798.50	37,450	1.64		0
MML FUNDAMENTAL GROWTH FUND	EQUITY	GARTNER INC	774,880.56	6,588	0.66		0
MML FUNDAMENTAL GROWTH FUND	EQUITY	INTUIT INC	1,282,790.00	7,400	1.09		0
MML FUNDAMENTAL GROWTH FUND	EQUITY	AMAZON.COM INC	5,417,393.62	3,743	4.61		0
MML FUNDAMENTAL GROWTH FUND	EQUITY	MCKESSON CORP	433,034.38	3,074	0.37		0
MML FUNDAMENTAL GROWTH FUND	EQUITY	EBAY INC	1,007,448.64	25,036	0.86		0
MML FUNDAMENTAL GROWTH FUND	EQUITY	ROPER TECHNOLOGIES INC	1,003,747.44	3,576	0.85		0
MML FUNDAMENTAL GROWTH FUND	EQUITY	BOOKING HOLDINGS INC	904,969.65	435	0.77		0

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML FUNDAMENTAL GROWTH FUND	CASH EQUIVALENT	FIXED INC CLEARING CORP.REPO	406,370.89	406,371	0.35	0.74	4/2/2018
MML FUNDAMENTAL GROWTH FUND	EQUITY	HOME DEPOT INC	2,983,381.12	16,738	2.54	0	
MML FUNDAMENTAL GROWTH FUND	EQUITY	MICROSOFT CORP	7,907,541.53	86,639	6.72	0	
MML FUNDAMENTAL GROWTH FUND	EQUITY	ORACLE CORP	2,114,702.25	46,223	1.80	0	
MML FUNDAMENTAL GROWTH FUND	EQUITY	BANK OF AMERICA CORP	1,253,522.02	41,798	1.07	0	
MML FUNDAMENTAL GROWTH FUND	EQUITY	EMERSON ELECTRIC CO	1,381,162.60	20,222	1.17	0	
MML FUNDAMENTAL GROWTH FUND	EQUITY	INTL BUSINESS MACHINES CORP	1,503,153.71	9,797	1.28	0	
MML FUNDAMENTAL GROWTH FUND	CASH	US DOLLAR	18,347.85	18,348	0.02	0	
MML FUNDAMENTAL GROWTH FUND	EQUITY	EDWARDS LIFESCIENCES CORP	1,327,811.84	9,517	1.13	0	
MML FUNDAMENTAL GROWTH FUND	EQUITY	BRISTOL MYERS SQUIBB CO	633,385.50	10,014	0.54	0	
MML FUNDAMENTAL GROWTH FUND	EQUITY	TEXAS INSTRUMENTS INC	1,589,205.33	15,297	1.35	0	
MML FUNDAMENTAL GROWTH FUND	EQUITY	BP PLC SPONS ADR	1,110,633.84	27,396	0.94	0	
MML FUNDAMENTAL GROWTH FUND	EQUITY	AMERICAN EXPRESS CO	1,500,781.92	16,089	1.28	0	
MML FUNDAMENTAL GROWTH FUND	EQUITY	ANALOG DEVICES INC	681,014.49	7,473	0.58	0	
MML FUNDAMENTAL GROWTH FUND	EQUITY	CATERPILLAR INC	2,166,780.76	14,702	1.84	0	
MML FUNDAMENTAL GROWTH FUND	EQUITY	SCHLUMBERGER LTD	716,142.90	11,055	0.61	0	
MML FUNDAMENTAL GROWTH FUND	EQUITY	CHECK POINT SOFTWARE TECH	510,508.26	5,139	0.43	0	
MML FUNDAMENTAL GROWTH FUND	EQUITY	DOVER CORP	1,358,873.70	13,835	1.16	0	
MML FUNDAMENTAL GROWTH FUND	EQUITY	FISERV INC	485,906.34	6,814	0.41	0	
MML FUNDAMENTAL GROWTH FUND	EQUITY	KLA TENCOR CORP	823,352.53	7,553	0.70	0	
MML FUNDAMENTAL GROWTH FUND	EQUITY	MAXIM INTEGRATED PRODUCTS	1,037,831.48	17,234	0.88	0	
MML FUNDAMENTAL GROWTH FUND	EQUITY	QUALCOMM INC	969,785.82	17,502	0.82	0	
MML FUNDAMENTAL GROWTH FUND	EQUITY	ROCKWELL AUTOMATION INC	1,509,094.60	8,663	1.28	0	
MML FUNDAMENTAL GROWTH FUND	EQUITY	TJX COMPANIES INC	1,806,472.44	22,149	1.54	0	
MML FUNDAMENTAL GROWTH FUND	EQUITY	XILINX INC	812,338.80	11,245	0.69	0	
MML FUNDAMENTAL GROWTH FUND	EQUITY	VERISIGN INC	1,372,806.24	11,579	1.17	0	
MML FUNDAMENTAL GROWTH FUND	EQUITY	ELECTRONIC ARTS INC	837,162.20	6,905	0.71	0	
MML FUNDAMENTAL GROWTH FUND	EQUITY	ADOBE SYSTEMS INC	1,614,765.84	7,473	1.37	0	
MML FUNDAMENTAL GROWTH FUND	EQUITY	AUTODESK INC	664,820.52	5,294	0.57	0	
MML FUNDAMENTAL GROWTH FUND	EQUITY	PARKER HANNIFIN CORP	1,111,866.03	6,501	0.95	0	
MML FUNDAMENTAL GROWTH FUND	EQUITY	DANAHER CORP	1,259,807.97	12,867	1.07	0	
MML FUNDAMENTAL GROWTH FUND	EQUITY	AETNA INC	1,469,624.00	8,696	1.25	0	
MML FUNDAMENTAL GROWTH FUND	EQUITY	JPMORGAN CHASE + CO	816,087.37	7,421	0.69	0	
MML FUNDAMENTAL GROWTH FUND	EQUITY	GLOBAL PAYMENTS INC	1,257,388.00	11,275	1.07	0	
MML FUNDAMENTAL GROWTH FUND	EQUITY	RAYTHEON COMPANY	795,728.34	3,687	0.68	0	
MML FUNDAMENTAL GROWTH FUND	EQUITY	CHEVRON CORP	1,285,344.84	11,271	1.09	0	
MML FUNDAMENTAL GROWTH FUND	EQUITY	SALESFORCE.COM INC	1,106,943.40	9,518	0.94	0	
MML FUNDAMENTAL GROWTH FUND	EQUITY	CUMMINS INC	1,356,207.03	8,367	1.15	0	
MML FUNDAMENTAL GROWTH FUND	EQUITY	PIONEER NATURAL RESOURCES CO	1,010,581.74	5,883	0.86	0	
MML FUNDAMENTAL GROWTH FUND	EQUITY	THERMO FISHER SCIENTIFIC INC	772,573.32	3,742	0.66	0	
MML FUNDAMENTAL GROWTH FUND	EQUITY	MIDDLEBY CORP	195,464.41	1,579	0.17	0	
MML FUNDAMENTAL GROWTH FUND	EQUITY	APPLIED MATERIALS INC	1,618,084.17	29,097	1.38	0	
MML FUNDAMENTAL GROWTH FUND	EQUITY	TERADYNE INC	790,463.03	17,293	0.67	0	
MML FUNDAMENTAL GROWTH FUND	EQUITY	FACTSET RESEARCH SYSTEMS INC	822,408.08	4,124	0.70	0	
MML FUNDAMENTAL GROWTH FUND	EQUITY	GILEAD SCIENCES INC	1,477,794.78	19,602	1.26	0	
MML FUNDAMENTAL GROWTH FUND	EQUITY	HONEYWELL INTERNATIONAL INC	630,063.60	4,360	0.54	0	
MML FUNDAMENTAL GROWTH FUND	EQUITY	AMGEN INC	546,217.92	3,204	0.46	0	
MML FUNDAMENTAL GROWTH FUND	EQUITY	APPLE INC	5,692,104.28	33,926	4.84	0	
MML FUNDAMENTAL GROWTH FUND	EQUITY	CISCO SYSTEMS INC	1,142,074.92	26,628	0.97	0	
MML FUNDAMENTAL GROWTH FUND	EQUITY	DOMINO S PIZZA INC	1,040,042.68	4,453	0.88	0	
MML FUNDAMENTAL GROWTH FUND	EQUITY	LAS VEGAS SANDS CORP	1,042,981.40	14,506	0.89	0	
MML FUNDAMENTAL GROWTH FUND	EQUITY	TD AMERITRADE HOLDING CORP	1,107,423.31	18,697	0.94	0	

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML FUNDAMENTAL GROWTH FUND	EQUITY	MASTERCARD INC A	2,581,858.40	14,740	2.20	0	
MML FUNDAMENTAL GROWTH FUND	EQUITY	EXPERIAN PLC	441,328.05	20,430	0.38	0	
MML FUNDAMENTAL GROWTH FUND	EQUITY	VISA INC CLASS A SHARES	3,074,353.62	25,701	2.61	0	
MML FUNDAMENTAL GROWTH FUND	EQUITY	NETAPP INC	1,030,408.07	16,703	0.88	0	
MML SMALL/MID CAP VALUE FUND	EQUITY	SOUTHWEST GAS HOLDINGS INC	1,052,999.10	15,570	0.48	0	
MML SMALL/MID CAP VALUE FUND	EQUITY	WERNER ENTERPRISES INC	2,556,095.00	70,030	1.17	0	
MML SMALL/MID CAP VALUE FUND	EQUITY	GRANITE CONSTRUCTION INC	1,806,512.40	32,340	0.82	0	
MML SMALL/MID CAP VALUE FUND	EQUITY	BLACK HILLS CORP	1,382,206.50	25,455	0.63	0	
MML SMALL/MID CAP VALUE FUND	EQUITY	UMPQUA HOLDINGS CORP	2,373,940.80	110,880	1.08	0	
MML SMALL/MID CAP VALUE FUND	EQUITY	FULTON FINANCIAL CORP	2,065,212.50	116,350	0.94	0	
MML SMALL/MID CAP VALUE FUND	EQUITY	BRINKER INTERNATIONAL INC	1,409,307.90	39,039	0.64	0	
MML SMALL/MID CAP VALUE FUND	EQUITY	VERINT SYSTEMS INC	2,897,013.00	68,005	1.32	0	
MML SMALL/MID CAP VALUE FUND	EQUITY	HAWAIIAN HOLDINGS INC	1,453,959.00	37,570	0.66	0	
MML SMALL/MID CAP VALUE FUND	EQUITY	CROCS INC	2,627,625.00	161,700	1.20	0	
MML SMALL/MID CAP VALUE FUND	EQUITY	HELIX ENERGY SOLUTIONS GROUP	629,662.50	108,750	0.29	0	
MML SMALL/MID CAP VALUE FUND	EQUITY	INFINERA CORP	1,482,498.60	136,510	0.68	0	
MML SMALL/MID CAP VALUE FUND	EQUITY	DANA INC	1,518,629.28	58,953	0.69	0	
MML SMALL/MID CAP VALUE FUND	EQUITY	FINISAR CORPORATION	1,450,725.60	91,760	0.66	0	
MML SMALL/MID CAP VALUE FUND	EQUITY	COOPER STANDARD HOLDING	2,991,283.17	24,357	1.37	0	
MML SMALL/MID CAP VALUE FUND	EQUITY	MRC GLOBAL INC	2,015,215.20	122,580	0.92	0	
MML SMALL/MID CAP VALUE FUND	EQUITY	HUNTINGTON BANCSHARES INC	2,579,608.50	170,835	1.18	0	
MML SMALL/MID CAP VALUE FUND	EQUITY	SCHOLASTIC CORP	1,580,011.20	40,680	0.72	0	
MML SMALL/MID CAP VALUE FUND	EQUITY	LIFEPOINT HEALTH INC	2,213,700.00	47,100	1.01	0	
MML SMALL/MID CAP VALUE FUND	EQUITY	COMERICA INC	3,111,009.90	32,430	1.42	0	
MML SMALL/MID CAP VALUE FUND	EQUITY	ASSOCIATED BANC CORP	2,637,752.95	106,147	1.20	0	
MML SMALL/MID CAP VALUE FUND	EQUITY	ALLIANT ENERGY CORP	2,001,608.82	48,987	0.91	0	
MML SMALL/MID CAP VALUE FUND	EQUITY	AMERICAN FINANCIAL GROUP INC	3,342,023.82	29,781	1.53	0	
MML SMALL/MID CAP VALUE FUND	EQUITY	ABM INDUSTRIES INC	1,013,774.40	30,280	0.46	0	
MML SMALL/MID CAP VALUE FUND	EQUITY	SUN COMMUNITIES INC	1,704,964.20	18,660	0.78	0	
MML SMALL/MID CAP VALUE FUND	EQUITY	EVEREST RE GROUP LTD	2,180,401.80	8,490	1.00	0	
MML SMALL/MID CAP VALUE FUND	EQUITY	ALASKA AIR GROUP INC	1,382,327.60	22,310	0.63	0	
MML SMALL/MID CAP VALUE FUND	EQUITY	AVNET INC	2,473,444.80	59,230	1.13	0	
MML SMALL/MID CAP VALUE FUND	EQUITY	LENNAR CORP A	3,086,923.56	52,374	1.41	0	
MML SMALL/MID CAP VALUE FUND	EQUITY	ENERSYS	2,743,583.50	39,550	1.25	0	
MML SMALL/MID CAP VALUE FUND	EQUITY	AMERICAN CAMPUS COMMUNITIES	1,987,771.40	51,470	0.91	0	
MML SMALL/MID CAP VALUE FUND	EQUITY	VERIFONE SYSTEMS INC	2,057,844.00	133,800	0.94	0	
MML SMALL/MID CAP VALUE FUND	EQUITY	HANOVER INSURANCE GROUP INC/	1,553,790.20	13,180	0.71	0	
MML SMALL/MID CAP VALUE FUND	EQUITY	PORTLAND GENERAL ELECTRIC CO	1,818,493.90	44,890	0.83	0	
MML SMALL/MID CAP VALUE FUND	EQUITY	MELLANOX TECHNOLOGIES LTD	1,998,275.50	27,430	0.91	0	
MML SMALL/MID CAP VALUE FUND	EQUITY	AECOM	2,304,655.29	64,683	1.05	0	
MML SMALL/MID CAP VALUE FUND	EQUITY	VALIDUS HOLDINGS LTD	1,765,166.50	26,170	0.81	0	
MML SMALL/MID CAP VALUE FUND	EQUITY	GENPACT LTD	2,530,632.93	79,107	1.15	0	
MML SMALL/MID CAP VALUE FUND	EQUITY	GRAPHIC PACKAGING HOLDING CO	2,839,443.00	184,980	1.30	0	
MML SMALL/MID CAP VALUE FUND	EQUITY	SIGNET JEWELERS LTD	1,737,252.00	45,100	0.79	0	
MML SMALL/MID CAP VALUE FUND	EQUITY	REINSURANCE GROUP OF AMERICA	3,960,880.00	25,720	1.81	0	
MML SMALL/MID CAP VALUE FUND	EQUITY	TUTOR PERINI CORP	2,053,296.00	93,120	0.94	0	
MML SMALL/MID CAP VALUE FUND	EQUITY	LEAR CORP	1,535,614.68	8,252	0.70	0	

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

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	FIRST AMERICAN FINANCIAL	1,971,648.00	33,600	0.90		0
MML SMALL/MID CAP VALUE FUND	EQUITY	SM ENERGY CO	1,972,662.30	109,410	0.90		0
MML SMALL/MID CAP VALUE FUND	EQUITY	OASIS PETROLEUM INC	1,926,423.00	237,830	0.88		0
MML SMALL/MID CAP VALUE FUND	EQUITY	QEP RESOURCES INC	2,664,054.80	272,120	1.22		0
MML SMALL/MID CAP VALUE FUND	EQUITY	BOOZ ALLEN HAMILTON HOLDINGS	3,122,380.80	80,640	1.42		0
MML SMALL/MID CAP VALUE FUND	EQUITY	BANKUNITED INC	2,635,881.40	65,930	1.20		0
MML SMALL/MID CAP VALUE FUND	EQUITY	STAG INDUSTRIAL INC	2,042,050.40	85,370	0.93		0
MML SMALL/MID CAP VALUE FUND	EQUITY	HOLLYFRONTIER CORP	2,411,729.60	49,360	1.10		0
MML SMALL/MID CAP VALUE FUND	EQUITY	INGREDION INC	1,538,531.28	11,934	0.70		0
MML SMALL/MID CAP VALUE FUND	EQUITY	SANMINA CORP	1,306,977.00	49,980	0.60		0
MML SMALL/MID CAP VALUE FUND	EQUITY	ICON PLC	2,984,452.68	25,262	1.36		0
MML SMALL/MID CAP VALUE FUND	EQUITY	CDW CORP/DE	2,660,530.40	37,840	1.21		0
MML SMALL/MID CAP VALUE FUND	EQUITY	EMPIRE STATE REALTY TRUST A	1,796,462.84	106,996	0.82		0
MML SMALL/MID CAP VALUE FUND	EQUITY	BURLINGTON STORES INC	1,664,241.85	12,499	0.76		0
MML SMALL/MID CAP VALUE FUND	EQUITY	STERLING BANCORP/DE	1,551,440.00	68,800	0.71		0
MML SMALL/MID CAP VALUE FUND	EQUITY	SYNOVUS FINANCIAL CORP	2,312,222.00	46,300	1.06		0
MML SMALL/MID CAP VALUE FUND	EQUITY	TRINSEO SA	2,696,901.00	36,420	1.23		0
MML SMALL/MID CAP VALUE FUND	EQUITY	MICHAELS COS INC/THE	1,915,023.60	97,160	0.87		0
MML SMALL/MID CAP VALUE FUND	EQUITY	ORION ENGINEERED CARBONS SA	826,550.00	30,500	0.38		0
MML SMALL/MID CAP VALUE FUND	EQUITY	QORVO INC	1,149,250.85	16,313	0.52		0
MML SMALL/MID CAP VALUE FUND	EQUITY	NOMAD FOODS LTD	1,488,059.60	94,540	0.68		0
MML SMALL/MID CAP VALUE FUND	EQUITY	SPX FLOW INC	1,771,774.61	36,019	0.81		0
MML SMALL/MID CAP VALUE FUND	EQUITY	ONEMAIN HOLDINGS INC	1,666,460.40	55,660	0.76		0
MML SMALL/MID CAP VALUE FUND	EQUITY	INGEVITY CORP	965,707.45	13,105	0.44		0
MML SMALL/MID CAP VALUE FUND	EQUITY	ALCOA CORP	3,027,156.80	67,330	1.38		0
MML SMALL/MID CAP VALUE FUND	EQUITY	SRC ENERGY INC	2,173,520.70	230,490	0.99		0
MML SMALL/MID CAP VALUE FUND	CASH EQUIVALENT	FIXED INC CLEARING CORP.REPO	2,724,792.62	2,724,793	1.24	0.74	4/2/2018
MML SMALL/MID CAP VALUE FUND	EQUITY	GRAMERCY PROPERTY TRUST	2,298,773.24	105,788	1.05		0
MML SMALL/MID CAP VALUE FUND	EQUITY	SOTHEBY S	2,725,074.10	53,110	1.24		0
MML SMALL/MID CAP VALUE FUND	EQUITY	COTT CORPORATION	2,124,787.84	144,347	0.97		0
MML SMALL/MID CAP VALUE FUND	EQUITY	BLOOMIN BRANDS INC	2,990,567.60	123,170	1.36		0
MML SMALL/MID CAP VALUE FUND	EQUITY	ESSENT GROUP LTD	2,191,840.00	51,500	1.00		0
MML SMALL/MID CAP VALUE FUND	EQUITY	HOUGHTON MIFFLIN HARCOURT CO	1,011,642.00	145,560	0.46		0
MML SMALL/MID CAP VALUE FUND	EQUITY	EDUCATION REALTY TRUST INC	1,902,120.00	58,080	0.87		0
MML SMALL/MID CAP VALUE FUND	EQUITY	CALERES INC	1,393,257.60	41,466	0.64		0
MML SMALL/MID CAP VALUE FUND	EQUITY	OLD REPUBLIC INTL CORP	2,452,807.50	114,350	1.12		0
MML SMALL/MID CAP VALUE FUND	EQUITY	RYDER SYSTEM INC	2,195,346.40	30,160	1.00		0
MML SMALL/MID CAP VALUE FUND	EQUITY	TENNECO INC	1,236,275.97	22,531	0.56		0
MML SMALL/MID CAP VALUE FUND	EQUITY	DECKERS OUTDOOR CORP	2,123,807.70	23,590	0.97		0
MML SMALL/MID CAP VALUE FUND	EQUITY	OSHKOSH CORP	2,339,735.60	30,280	1.07		0
MML SMALL/MID CAP VALUE FUND	EQUITY	RPC INC	2,312,113.11	128,237	1.06		0
MML SMALL/MID CAP VALUE FUND	EQUITY	SELECTIVE INSURANCE GROUP	2,186,414.00	36,020	1.00		0
MML SMALL/MID CAP VALUE FUND	EQUITY	SKYWEST INC	2,994,502.40	55,046	1.37		0
MML SMALL/MID CAP VALUE FUND	EQUITY	ANIXTER INTERNATIONAL INC	2,915,617.50	38,490	1.33		0
MML SMALL/MID CAP VALUE FUND	EQUITY	REGAL БЕЛОIT CORP	2,736,688.50	37,310	1.25		0
MML SMALL/MID CAP VALUE FUND	EQUITY	TEREX CORP	1,707,018.30	45,630	0.78		0
MML SMALL/MID CAP VALUE FUND	EQUITY	CYPRESS SEMICONDUCTOR CORP	2,442,409.60	144,010	1.11		0
MML SMALL/MID CAP VALUE FUND	EQUITY	WEBSTER FINANCIAL CORP	2,642,192.20	47,693	1.21		0
MML SMALL/MID CAP VALUE FUND	CASH	US DOLLAR	18,155.83	18,156	0.01		0
MML SMALL/MID CAP VALUE FUND	EQUITY	ZIONS BANCORPORATION	3,746,730.15	71,055	1.71		0
MML SMALL/MID CAP VALUE FUND	EQUITY	AMDOCS LTD	2,387,775.36	35,788	1.09		0
MML SMALL/MID CAP VALUE FUND	EQUITY	NCR CORPORATION	2,785,075.68	88,359	1.27		0

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

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	STEELCASE INC CL A	2,596,376.00	190,910	1.18		0
MML SMALL/MID CAP VALUE FUND	EQUITY	QUANTA SERVICES INC	2,573,089.80	74,908	1.17		0
MML SMALL/MID CAP VALUE FUND	EQUITY	OIL STATES INTERNATIONAL INC	2,302,980.00	87,900	1.05		0
MML SMALL/MID CAP VALUE FUND	EQUITY	PNM RESOURCES INC	1,872,834.75	48,963	0.85		0
MML SMALL/MID CAP VALUE FUND	EQUITY	MOLINA HEALTHCARE INC	2,482,484.40	30,580	1.13		0
MML SMALL/MID CAP VALUE FUND	EQUITY	TEXAS CAPITAL BANCSHARES INC	2,372,461.00	26,390	1.08		0
MML SMALL/MID CAP VALUE FUND	EQUITY	WELLCARE HEALTH PLANS INC	1,979,092.23	10,221	0.90		0
MML SMALL/MID CAP VALUE FUND	EQUITY	ATLAS AIR WORLDWIDE HOLDINGS	2,216,701.50	36,670	1.01		0
MML CONSERVATIVE ALLOCATION FUND	EQUITY	MML SMALL CAP GROWTH EQUITY FD	2,258,451.48	146,645	0.49		0
MML CONSERVATIVE ALLOCATION FUND	EQUITY	MML MID CAP GROWTH FD	7,633,522.88	452,759	1.67		0
MML CONSERVATIVE ALLOCATION FUND	EQUITY	MML MID CAP VALUE FD	9,298,372.25	784,011	2.03		0
MML CONSERVATIVE ALLOCATION FUND	EQUITY	MML BLUE CHIP GROWTH FD	10,922,446.94	593,611	2.39		0
MML CONSERVATIVE ALLOCATION FUND	EQUITY	MML EQUITY INCOME FD	12,075,679.94	988,999	2.64		0
MML CONSERVATIVE ALLOCATION FUND	EQUITY	MML INFLATION PROTECTED BD FD	19,777,496.66	1,962,053	4.33		0
MML CONSERVATIVE ALLOCATION FUND	EQUITY	MML MANAGED BOND FUND	96,259,607.41	7,853,718	21.07		0
MML CONSERVATIVE ALLOCATION FUND	EQUITY	MML FOREIGN FD	9,051,893.32	820,661	1.98		0
MML CONSERVATIVE ALLOCATION FUND	EQUITY	MML GLOBAL FD	11,412,648.29	892,310	2.50		0
MML CONSERVATIVE ALLOCATION FUND	EQUITY	MML LARGE CAP GROWTH FD	3,657,900.19	339,638	0.80		0
MML CONSERVATIVE ALLOCATION FUND	EQUITY	MML SHORT DURATION BOND FUND	24,786,482.69	2,550,050	5.42		0
MML CONSERVATIVE ALLOCATION FUND	EQUITY	MML HIGH YIELD FUND	13,931,991.94	1,401,609	3.05		0
MML CONSERVATIVE ALLOCATION FUND	EQUITY	MML TOTAL RETURN BOND FUND	58,708,632.39	5,744,485	12.85		0
MML CONSERVATIVE ALLOCATION FUND	EQUITY	MML FUNDAMENTAL VALUE FUND	11,919,025.51	790,386	2.61		0
MML CONSERVATIVE ALLOCATION FUND	EQUITY	MML FUNDAMENTAL GROWTH FUND	7,464,802.70	560,421	1.63		0
MML CONSERVATIVE ALLOCATION FUND	EQUITY	MML FOCUSED EQUITY FUND	2,205,553.44	174,767	0.48		0
MML CONSERVATIVE ALLOCATION FUND	EQUITY	OPPENHEIMER DISCOVERY MID CAP	2,579,354.42	29,916	0.56		0
MML CONSERVATIVE ALLOCATION FUND	EQUITY	MML SMALL/MID CAP VALUE	2,251,987.30	165,223	0.49		0
MML CONSERVATIVE ALLOCATION FUND	EQUITY	OPP GLOBAL MULTI ALT FD/VA	30,418,394.55	3,097,596	6.66		0
MML CONSERVATIVE ALLOCATION FUND	EQUITY	MML INTERNATIONAL EQUITY FUND	6,646,698.55	569,067	1.45		0
MML CONSERVATIVE ALLOCATION FUND	EQUITY	OPPENHEIMER INTERNATIONAL GROW	6,358,131.30	2,454,877	1.39		0
MML CONSERVATIVE ALLOCATION FUND	EQUITY	MML DYNAMIC BOND FUND	66,986,059.08	6,786,835	14.66		0
MML CONSERVATIVE ALLOCATION FUND	EQUITY	MML SER INVT FD	13,502,086.75	439,521	2.95		0
MML CONSERVATIVE ALLOCATION FUND	EQUITY	OPPENHEIMER MAIN STREET FUND/V	2,733,114.28	87,544	0.60		0
MML CONSERVATIVE ALLOCATION FUND	EQUITY	OPP VAR ACC GLOBAL FUND	7,523,187.46	158,650	1.65		0
MML CONSERVATIVE ALLOCATION FUND	EQUITY	MML INCOME AND GROWTH FD	12,134,190.94	995,422	2.66		0
MML CONSERVATIVE ALLOCATION FUND	EQUITY	MML SMALL COMPANY VALUE FUND	4,464,184.28	270,557	0.98		0
MML BALANCED ALLOCATION FUND	EQUITY	MML SMALL COMPANY VALUE FUND	6,839,400.00	414,509	1.17		0
MML BALANCED ALLOCATION FUND	EQUITY	MML FOREIGN FD	16,210,736.19	1,469,695	2.78		0
MML BALANCED ALLOCATION FUND	EQUITY	MML GLOBAL FD	16,940,412.48	1,324,504	2.91		0
MML BALANCED ALLOCATION FUND	EQUITY	MML LARGE CAP GROWTH FD	5,889,594.76	546,852	1.01		0
MML BALANCED ALLOCATION FUND	EQUITY	MML SHORT DURATION BOND FUND	29,318,398.35	3,016,296	5.04		0
MML BALANCED ALLOCATION FUND	EQUITY	MML HIGH YIELD FUND	15,716,149.47	1,581,102	2.70		0
MML BALANCED ALLOCATION FUND	EQUITY	MML TOTAL RETURN BOND FUND	62,120,811.36	6,078,357	10.67		0
MML BALANCED ALLOCATION FUND	EQUITY	MML FUNDAMENTAL VALUE FUND	18,990,961.76	1,259,348	3.26		0
MML BALANCED ALLOCATION FUND	EQUITY	MML FUNDAMENTAL GROWTH FUND	11,408,158.78	856,468	1.96		0
MML BALANCED ALLOCATION FUND	EQUITY	MML FOCUSED EQUITY FUND	3,316,440.86	262,792	0.57		0
MML BALANCED ALLOCATION FUND	EQUITY	OPPENHEIMER DISCOVERY MID CAP	4,868,358.33	56,464	0.84		0
MML BALANCED ALLOCATION FUND	EQUITY	MML SMALL/MID CAP VALUE	4,600,197.93	337,505	0.79		0
MML BALANCED ALLOCATION FUND	EQUITY	OPP GLOBAL MULTI ALT FD/VA	41,603,580.12	4,236,617	7.15		0
MML BALANCED ALLOCATION FUND	EQUITY	MML INTERNATIONAL EQUITY FUND	12,926,019.69	1,106,680	2.22		0
MML BALANCED ALLOCATION FUND	EQUITY	OPPENHEIMER INTERNATIONAL GROW	13,781,050.82	5,320,869	2.37		0
MML BALANCED ALLOCATION FUND	EQUITY	MML DYNAMIC BOND FUND	67,563,755.84	6,845,365	11.61		0
MML BALANCED ALLOCATION FUND	EQUITY	MML SER INVT FD	19,392,258.57	631,258	3.33		0

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML BALANCED ALLOCATION FUND	EQUITY	OPPENHEIMER MAIN STREET FUND/V	4,365,269.78	139,823	0.75	0	
MML BALANCED ALLOCATION FUND	EQUITY	MML SMALL CAP GROWTH EQUITY FD	4,169,186.27	270,712	0.72	0	
MML BALANCED ALLOCATION FUND	EQUITY	MML MID CAP GROWTH FD	14,209,741.80	842,808	2.44	0	
MML BALANCED ALLOCATION FUND	EQUITY	MML MID CAP VALUE FD	16,231,770.82	1,368,615	2.79	0	
MML BALANCED ALLOCATION FUND	EQUITY	MML BLUE CHIP GROWTH FD	17,284,905.08	939,397	2.97	0	
MML BALANCED ALLOCATION FUND	EQUITY	MML EQUITY INCOME FD	19,197,325.22	1,572,263	3.30	0	
MML BALANCED ALLOCATION FUND	EQUITY	MML INFLATION PROTECTED BD FD	21,952,822.99	2,177,859	3.77	0	
MML BALANCED ALLOCATION FUND	EQUITY	MML MANAGED BOND FUND	103,052,735.10	8,407,962	17.70	0	
MML BALANCED ALLOCATION FUND	EQUITY	OPP VAR ACC GLOBAL FUND	11,165,186.10	235,453	1.92	0	
MML BALANCED ALLOCATION FUND	EQUITY	MML INCOME AND GROWTH FD	19,061,851.24	1,563,729	3.27	0	
MML MODERATE ALLOCATION FUND	EQUITY	MML FUNDAMENTAL GROWTH FUND	48,639,008.72	3,651,577	2.04	0	
MML MODERATE ALLOCATION FUND	EQUITY	MML FOCUSED EQUITY FUND	22,928,089.17	1,816,806	0.96	0	
MML MODERATE ALLOCATION FUND	EQUITY	OPPENHEIMER DISCOVERY MID CAP	24,397,070.64	282,963	1.03	0	
MML MODERATE ALLOCATION FUND	EQUITY	MML SMALL/MID CAP VALUE	22,429,555.66	1,645,602	0.94	0	
MML MODERATE ALLOCATION FUND	EQUITY	OPP GLOBAL MULTI ALT FD/VA	184,248,579.13	18,762,584	7.74	0	
MML MODERATE ALLOCATION FUND	EQUITY	MML INTERNATIONAL EQUITY FUND	76,881,999.95	6,582,363	3.23	0	
MML MODERATE ALLOCATION FUND	EQUITY	OPPENHEIMER INTERNATIONAL GROW	43,048,981.84	16,621,229	1.81	0	
MML MODERATE ALLOCATION FUND	EQUITY	MML DYNAMIC BOND FUND	221,553,834.11	22,447,197	9.31	0	
MML MODERATE ALLOCATION FUND	EQUITY	MML SER INVT FD	91,640,466.80	2,983,088	3.85	0	
MML MODERATE ALLOCATION FUND	EQUITY	OPPENHEIMER MAIN STREET FUND/V	14,072,785.36	450,762	0.59	0	
MML MODERATE ALLOCATION FUND	EQUITY	MML SMALL CAP GROWTH EQUITY FD	20,603,829.69	1,337,840	0.87	0	
MML MODERATE ALLOCATION FUND	EQUITY	MML MID CAP GROWTH FD	77,121,066.00	4,574,203	3.24	0	
MML MODERATE ALLOCATION FUND	EQUITY	MML MID CAP VALUE FD	81,288,838.56	6,854,034	3.42	0	
MML MODERATE ALLOCATION FUND	EQUITY	MML BLUE CHIP GROWTH FD	81,878,724.22	4,449,931	3.44	0	
MML MODERATE ALLOCATION FUND	EQUITY	MML EQUITY INCOME FD	90,111,964.33	7,380,177	3.79	0	
MML MODERATE ALLOCATION FUND	EQUITY	MML INFLATION PROTECTED BD FD	78,096,903.16	7,747,709	3.28	0	
MML MODERATE ALLOCATION FUND	EQUITY	MML MANAGED BOND FUND	330,863,024.75	26,994,757	13.90	0	
MML MODERATE ALLOCATION FUND	EQUITY	OPP VAR ACC GLOBAL FUND	52,836,710.16	1,114,228	2.22	0	
MML MODERATE ALLOCATION FUND	EQUITY	MML INCOME AND GROWTH FD	89,097,321.99	7,309,050	3.74	0	
MML MODERATE ALLOCATION FUND	EQUITY	MML SMALL COMPANY VALUE FUND	36,812,009.64	2,231,031	1.55	0	
MML MODERATE ALLOCATION FUND	EQUITY	MML FOREIGN FD	83,424,281.15	7,563,398	3.51	0	
MML MODERATE ALLOCATION FUND	EQUITY	MML GLOBAL FD	83,467,446.17	6,525,993	3.51	0	
MML MODERATE ALLOCATION FUND	EQUITY	MML LARGE CAP GROWTH FD	28,651,464.94	2,660,303	1.20	0	
MML MODERATE ALLOCATION FUND	EQUITY	MML SHORT DURATION BOND FUND	102,539,898.40	10,549,372	4.31	0	
MML MODERATE ALLOCATION FUND	EQUITY	MML HIGH YIELD FUND	50,635,232.15	5,094,088	2.13	0	
MML MODERATE ALLOCATION FUND	EQUITY	MML TOTAL RETURN BOND FUND	202,154,125.75	19,780,247	8.50	0	
MML MODERATE ALLOCATION FUND	EQUITY	MML FUNDAMENTAL VALUE FUND	90,119,007.21	5,976,061	3.79	0	
MML MODERATE ALLOCATION FUND	EQUITY	MML STRG EMERGING MARKETS FUND	49,963,653.15	4,195,101	2.10	0	
MML GROWTH ALLOCATION FUND	EQUITY	MML SMALL CAP GROWTH EQUITY FD	17,748,737.16	1,152,454	1.06	0	
MML GROWTH ALLOCATION FUND	EQUITY	MML MID CAP GROWTH FD	73,849,882.02	4,380,183	4.39	0	
MML GROWTH ALLOCATION FUND	EQUITY	MML MID CAP VALUE FD	73,077,306.53	6,161,662	4.35	0	
MML GROWTH ALLOCATION FUND	EQUITY	MML FOCUSED EQUITY FUND	21,741,235.25	1,722,760	1.29	0	
MML GROWTH ALLOCATION FUND	EQUITY	OPPENHEIMER DISCOVERY MID CAP	24,211,503.81	280,811	1.44	0	
MML GROWTH ALLOCATION FUND	EQUITY	MML SMALL/MID CAP VALUE	26,448,479.72	1,940,461	1.57	0	
MML GROWTH ALLOCATION FUND	EQUITY	OPP GLOBAL MULTI ALT FD/VA	141,395,289.40	14,398,706	8.41	0	
MML GROWTH ALLOCATION FUND	EQUITY	MML INTERNATIONAL EQUITY FUND	71,401,121.59	6,113,110	4.25	0	
MML GROWTH ALLOCATION FUND	EQUITY	OPPENHEIMER INTERNATIONAL GROW	39,223,827.15	15,144,335	2.33	0	
MML GROWTH ALLOCATION FUND	EQUITY	MML DYNAMIC BOND FUND	91,457,481.50	9,266,209	5.44	0	
MML GROWTH ALLOCATION FUND	EQUITY	MML SER INVT FD	81,005,538.48	2,636,899	4.82	0	
MML GROWTH ALLOCATION FUND	EQUITY	OPPENHEIMER MAIN STREET FUND/V	20,310,572.86	650,563	1.21	0	
MML GROWTH ALLOCATION FUND	EQUITY	MML TOTAL RETURN BOND FUND	82,029,771.66	8,026,396	4.88	0	
MML GROWTH ALLOCATION FUND	EQUITY	MML FUNDAMENTAL VALUE FUND	77,861,461.95	5,163,227	4.63	0	

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

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 STRG EMERGING MARKETS FUND	52,067,147.28	4,371,717	3.10		0
MML GROWTH ALLOCATION FUND	EQUITY	MML FUNDAMENTAL GROWTH FUND	38,287,691.30	2,874,451	2.28		0
MML GROWTH ALLOCATION FUND	EQUITY	MML BLUE CHIP GROWTH FD	72,220,535.37	3,925,029	4.30		0
MML GROWTH ALLOCATION FUND	EQUITY	MML EQUITY INCOME FD	77,849,763.74	6,375,902	4.63		0
MML GROWTH ALLOCATION FUND	EQUITY	MML INFLATION PROTECTED BD FD	70,544,271.72	6,998,440	4.20		0
MML GROWTH ALLOCATION FUND	EQUITY	MML MANAGED BOND FUND	137,882,258.89	11,249,665	8.20		0
MML GROWTH ALLOCATION FUND	EQUITY	OPP VAR ACC GLOBAL FUND	45,693,489.82	963,591	2.72		0
MML GROWTH ALLOCATION FUND	EQUITY	MML INCOME AND GROWTH FD	77,370,361.28	6,347,035	4.60		0
MML GROWTH ALLOCATION FUND	EQUITY	MML SMALL COMPANY VALUE FUND	32,266,184.49	1,955,526	1.92		0
MML GROWTH ALLOCATION FUND	EQUITY	MML FOREIGN FD	74,775,728.33	6,779,304	4.45		0
MML GROWTH ALLOCATION FUND	EQUITY	MML GLOBAL FD	71,003,535.88	5,551,488	4.22		0
MML GROWTH ALLOCATION FUND	EQUITY	MML LARGE CAP GROWTH FD	25,909,463.08	2,405,707	1.54		0
MML GROWTH ALLOCATION FUND	EQUITY	MML SHORT DURATION BOND FUND	50,419,997.70	5,187,243	3.00		0
MML GROWTH ALLOCATION FUND	EQUITY	MML HIGH YIELD FUND	13,271,500.50	1,335,161	0.79		0
MML AGGRESSIVE ALLOCATION FUND	EQUITY	MML INCOME AND GROWTH FD	8,564,305.71	702,568	5.51		0
MML AGGRESSIVE ALLOCATION FUND	EQUITY	MML SMALL COMPANY VALUE FUND	3,890,113.47	235,764	2.50		0
MML AGGRESSIVE ALLOCATION FUND	EQUITY	MML FOREIGN FD	8,533,115.62	773,628	5.49		0
MML AGGRESSIVE ALLOCATION FUND	EQUITY	MML GLOBAL FD	8,259,294.43	645,762	5.31		0
MML AGGRESSIVE ALLOCATION FUND	EQUITY	MML LARGE CAP GROWTH FD	2,997,501.55	278,320	1.93		0
MML AGGRESSIVE ALLOCATION FUND	EQUITY	MML SHORT DURATION BOND FUND	3,558,916.65	366,144	2.29		0
MML AGGRESSIVE ALLOCATION FUND	EQUITY	MML TOTAL RETURN BOND FUND	2,326,006.58	227,594	1.50		0
MML AGGRESSIVE ALLOCATION FUND	EQUITY	MML FUNDAMENTAL VALUE FUND	8,618,764.95	571,536	5.54		0
MML AGGRESSIVE ALLOCATION FUND	EQUITY	MML STRG EMERGING MARKETS FUND	7,052,114.47	592,117	4.53		0
MML AGGRESSIVE ALLOCATION FUND	EQUITY	OPPENHEIMER DISCOVERY MID CAP	3,057,927.15	35,467	1.97		0
MML AGGRESSIVE ALLOCATION FUND	EQUITY	MML SMALL/MID CAP VALUE	3,006,487.30	220,579	1.93		0
MML AGGRESSIVE ALLOCATION FUND	EQUITY	OPP GLOBAL MULTI ALT FD/VA	14,161,223.16	1,442,080	9.10		0
MML AGGRESSIVE ALLOCATION FUND	EQUITY	MML INTERNATIONAL EQUITY FUND	7,523,703.56	644,153	4.84		0
MML AGGRESSIVE ALLOCATION FUND	EQUITY	MML DYNAMIC BOND FUND	2,492,780.30	252,561	1.60		0
MML AGGRESSIVE ALLOCATION FUND	EQUITY	MML SER INVT FD	7,711,984.99	251,041	4.96		0
MML AGGRESSIVE ALLOCATION FUND	EQUITY	MML FUNDAMENTAL GROWTH FUND	4,070,637.69	305,603	2.62		0
MML AGGRESSIVE ALLOCATION FUND	EQUITY	OPPENHEIMER INTERNATIONAL GROW	4,152,293.82	1,603,202	2.67		0
MML AGGRESSIVE ALLOCATION FUND	EQUITY	MML FOCUSED EQUITY FUND	2,492,343.54	197,492	1.60		0
MML AGGRESSIVE ALLOCATION FUND	EQUITY	OPPENHEIMER MAIN STREET FUND/V	3,159,455.29	101,200	2.03		0
MML AGGRESSIVE ALLOCATION FUND	EQUITY	MML SMALL CAP GROWTH EQUITY FD	2,394,813.20	155,499	1.54		0
MML AGGRESSIVE ALLOCATION FUND	EQUITY	MML MID CAP GROWTH FD	8,879,333.26	526,651	5.71		0
MML AGGRESSIVE ALLOCATION FUND	EQUITY	MML MID CAP VALUE FD	8,550,561.36	720,958	5.50		0
MML AGGRESSIVE ALLOCATION FUND	EQUITY	MML BLUE CHIP GROWTH FD	8,185,607.80	444,870	5.26		0
MML AGGRESSIVE ALLOCATION FUND	EQUITY	MML EQUITY INCOME FD	8,651,006.71	708,518	5.56		0
MML AGGRESSIVE ALLOCATION FUND	EQUITY	MML INFLATION PROTECTED BD FD	4,395,814.26	436,093	2.83		0
MML AGGRESSIVE ALLOCATION FUND	EQUITY	MML MANAGED BOND FUND	3,820,782.00	311,733	2.46		0
MML AGGRESSIVE ALLOCATION FUND	EQUITY	OPP VAR ACC GLOBAL FUND	5,058,849.87	106,682	3.25		0
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	NOVATEK PJSC SPONS GDR REG S	3,838,745.94	27,984	3.10		0
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	ZENITH BANK PLC	117,520.91	1,442,015	0.09		0
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	MAGNIT PJSC	1,334,343.62	16,428	1.08		0
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	AMOREPACIFIC CORP	919,053.68	3,171	0.74		0
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	NEW ORIENTAL EDUCATIO SP ADR	926,460.50	10,570	0.75		0
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	GENTING BHD	804,678.83	356,800	0.65		0
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	GENTING MALAYSIA BHD	137,619.52	109,300	0.11		0
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	JERONIMO MARTINS	211,585.37	11,602	0.17		0
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	SUNNY OPTICAL TECH	226,404.80	12,000	0.18		0
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	CHOLAMANDALAM INVESTMENT AND	476,730.41	21,099	0.38		0
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	MERCADOLIBRE INC	71,278.00	200	0.06		0

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

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	SUL AMERICA SA UNITS	221,989.90	33,389	0.18		0
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	DP WORLD LTD	1,505,068.02	66,805	1.21		0
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	WANT WANT CHINA HOLDINGS LTD	415,350.28	513,000	0.34		0
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	CELLTRION INC	12,111.19	41	0.01		0
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	SBERBANK PJSC SPONSORED ADR	879,267.68	47,080	0.71		0
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	ASTRA INTERNATIONAL TBK PT	376,879.88	707,500	0.30		0
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	MOSCOW EXCHANGE MICEX RTS PJ	316,790.03	154,792	0.26		0
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	MEDICLINIC INTERNATIONAL PLC	745,739.38	88,310	0.60		0
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	TENCENT HOLDINGS LTD	6,012,945.45	112,959	4.85		0
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	JD.COM INC ADR	292,175.84	7,216	0.24		0
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	GRUPO DE INV SURAMERICANA	515,915.39	38,578	0.42		0
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	ALIBABA GROUP HOLDING SP ADR	6,476,943.06	35,289	5.23		0
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	GRUPO AVAL ACCIONES Y VALORE	686,156.70	82,570	0.55		0
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	KWEICHOW MOUTAI CO LTD A	1,452,533.22	13,131	1.17		0
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	3SBIO INC	268,075.12	118,000	0.22		0
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	LUKOIL PJSC SPON ADR	171,089.86	2,480	0.14		0
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	LUKOIL PJSC SPON ADR	223,580.60	3,230	0.18		0
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	CHINA INTERNATIONAL CAPITA H	469,084.76	231,600	0.38		0
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	STEINHOFF INTERNATIONAL H NV	98,970.85	352,927	0.08		0
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	HUTCHISON CHINA MEDITECH ADR	125,630.00	4,250	0.10		0
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	ZEE ENTERTAINMENT ENTERP	46,597.42	403,072	0.04		0
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	YUM CHINA HOLDINGS INC	256,055.00	6,170	0.21		0
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	SAMSUNG BIOLOGICS CO LTD	1,271,804.76	2,765	1.03		0
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	ZTO EXPRESS CAYMAN INC ADR	620,735.90	41,410	0.50		0
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	SNAP INC A	460,071.30	28,990	0.37		0
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	PROSEGUR CASH SA	215,136.17	71,472	0.17		0
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	NETMARBLE GAMES CORP	107,107.15	768	0.09		0
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	WUXI BIOLOGICS CAYMAN INC	233,157.27	24,000	0.19		0
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	CELLTRION HEALTHCARE CO LTD	11,138.54	109	0.01		0
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	ATACADAO DISTRIBUICAO COMERC	1,218,101.14	268,100	0.98		0
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	B3 SA BRASIL BOLSA BALCAO	2,405,895.59	297,600	1.94		0
MML STRATEGIC EMERGING MARKETS FUND	CASH EQUIVALENT	FIXED INC CLEARING CORP.REPO	6,003,022.04	6,003,022	4.84	0.74	4/2/2018
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	POLYUS PJSC 144A GDR	287,860.00	7,400	0.23		0
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	JIANGSU HENGRUI MEDICINE C A	2,878,208.15	216,300	2.32		0
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	DONG E E JIAOCO LTD A	136,119.32	14,000	0.11		0
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	ITAU UNIBANCO H SPON PRF ADR	781,560.00	50,100	0.63		0
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	VALE SA SP ADR	946,622.40	74,420	0.76		0
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	SINOPHARM GROUP CO H	2,649,045.02	526,600	2.14		0
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	SBERBANK OF RUSSIA PJSC	1,611,867.54	363,595	1.30		0
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	CHINA LODGING GROUP SPON ADR	1,988,689.29	15,099	1.60		0
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	AIA GROUP LTD	2,888,877.92	338,400	2.33		0
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	DALMIA BHARAT LTD	126,282.05	2,842	0.10		0
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	GLENCORE PLC	3,633,635.50	730,261	2.93		0
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	YANDEX NV A	619,365.00	15,700	0.50		0
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	PRADA S.P.A.	1,462,564.43	316,400	1.18		0
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	SHOPRITE HOLDINGS LTD	1,164,991.51	54,544	0.94		0
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	KAKAO CORP	224,083.59	1,824	0.18		0
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	HONG KONG EXCHANGES + CLEAR	385,366.32	11,724	0.31		0
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	JARDINE STRATEGIC HLDGS LTD	1,572,113.51	40,862	1.27		0
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	FOMENTO ECONOMICO MEX SP ADR	811,898.40	8,880	0.66		0
MML STRATEGIC EMERGING MARKETS FUND	CASH	CHILEAN PESO	4,630.90	2,796,603	0.00		0
MML STRATEGIC EMERGING MARKETS FUND	CASH	EGYPTIAN POUND	5,707.11	100,616	0.00		0

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

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	INDIAN RUPEE	8,142.47	531,066	0.01		0
MML STRATEGIC EMERGING MARKETS FUND	CASH	SOUTH KOREAN WON	1.18	1,253	0.00		0
MML STRATEGIC EMERGING MARKETS FUND	CASH	MALAYSIAN RINGGIT	2,637.02	10,200	0.00		0
MML STRATEGIC EMERGING MARKETS FUND	CASH	NIGERIAN NAIRA	7,476.52	2,691,547	0.01		0
MML STRATEGIC EMERGING MARKETS FUND	CASH	POUND STERLING	(0.01)	(0)	-		0
MML STRATEGIC EMERGING MARKETS FUND	CASH	HONG KONG DOLLAR	-	0	-		0
MML STRATEGIC EMERGING MARKETS FUND	CASH	SWISS FRANC	4,054.73	3,876	0.00		0
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	KERING	3,306,117.00	6,895	2.67		0
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	HANG LUNG GROUP LTD	88,514.63	27,000	0.07		0
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	FOMENTO ECONOMICO MEXICA UBD	1,643,910.82	178,953	1.33		0
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	KIMBERLY CLARK DE MEXICO A	332,489.82	175,892	0.27		0
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	LOJAS AMERICANAS SA PREF	1,582,435.60	277,300	1.28		0
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	S.A.C.I. FALABELLA	93,431.94	9,745	0.08		0
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	AYALA LAND INC	751,031.86	950,500	0.61		0
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	RELIANCE INDUSTRIES LTD	355,305.15	26,162	0.29		0
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	HOUSING DEVELOPMENT FINANCE	4,256,875.03	151,733	3.44		0
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	ZEE ENTERTAINMENT ENTERPRISE	1,777,054.17	198,981	1.43		0
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	INFOSYS LTD	819,611.63	46,628	0.66		0
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	COMMERCIAL INTERNATIONAL BAN	564,895.83	111,796	0.46		0
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	INDOCEMENT TUNGGAL PRAKARSA	446,556.68	382,000	0.36		0
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	FIRSTRAND LTD	2,358,309.94	416,703	1.90		0
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	AMOREPACIFIC GROUP	230,131.41	1,780	0.19		0
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	SAMSUNG ELECTRONICS CO LTD	2,609,999.80	1,120	2.11		0
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	SM PRIME HOLDINGS INC	926,601.36	1,428,500	0.75		0
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	TAIWAN SEMICONDUCTOR MANUFAC	7,266,661.69	855,000	5.86		0
MML STRATEGIC EMERGING MARKETS FUND	CASH	US DOLLAR	(61,179.75)	(61,180)	0.05		0
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	CREDICORP LTD	1,453,056.00	6,400	1.17		0
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	LVMH MOET HENNESSY LOUIS VUI	2,715,673.11	8,806	2.19		0
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	GRUPO AEROPORT DEL SURESTE B	588,164.82	34,536	0.47		0
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	GRUPO MEXICO SAB DE CV SER B	1,532,455.79	452,520	1.24		0
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	APOLLO HOSPITALS ENTERPRISE	584,586.85	36,012	0.47		0
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	LG HOUSEHOLD + HEALTH CARE	2,027,163.54	1,805	1.64		0
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	JOLLIBEE FOODS CORP	751,342.40	130,780	0.61		0
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	DR. REDDY S LABORATORIES	514,582.46	16,108	0.42		0
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	GRUPO FINANCIERO INBURSA O	1,024,061.43	612,260	0.83		0
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	LARGAN PRECISION CO LTD	347,108.03	3,000	0.28		0
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	BANCO DE CHILE	204,772.46	1,214,636	0.17		0
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	KOTAK MAHINDRA BANK LTD FOR	2,832,750.11	173,912	2.29		0
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	NAVER CORP	2,710,243.83	3,655	2.19		0
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	BANK MANDIRI PERSERO TBK PT	639,350.78	1,143,100	0.52		0
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	BANK RAKYAT INDONESIA PERSER	209,686.97	798,900	0.17		0
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	CTRIIP.COM INTERNATIONAL ADR	2,160,837.00	46,350	1.74		0
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	BIOCON LTD	721,708.15	78,813	0.58		0
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	NATURA COSMETICOS SA	64,941.16	6,700	0.05		0
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	ULTRATECH CEMENT LTD	879,261.45	14,444	0.71		0
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	BANK CENTRAL ASIA TBK PT	314,605.23	185,300	0.25		0
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	EMAAR PROPERTIES PJSC	609,494.98	384,949	0.49		0
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	TATA CONSULTANCY SVCS LTD	1,068,228.86	24,365	0.86		0
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	ANADOLU EFES BIRACILIK VE	802,276.45	116,823	0.65		0
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	SM INVESTMENTS CORP	1,427,329.72	80,690	1.15		0
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	AYALA CORPORATION	410,095.34	22,430	0.33		0
MML STRATEGIC EMERGING MARKETS FUND	EQUITY	BIM BIRLESIK MAGAZALAR AS	472,999.77	26,165	0.38		0

MML Series Investment Fund and MML Series Investment Fund II Portfolio Holdings
As of 3/31/2018

Fund Name	Asset Class	Security Name	Base Market Value	Shares/Par Value	Percent of Fund	Interest Rate	Maturity Date
MML AMERICAN FUNDS GROWTH FUND	EQUITY	AMERICAN FDS INS SER	169,682,294.15	2,119,704	100.00		0
MML AMERICAN FUNDS INTERNATIONAL FUND	EQUITY	AMER FD INS INTERNATIONAL FD	64,802,670.34	2,964,441	100.00		0
MML AMERICAN FUNDS CORE ALLOCATION FUND	EQUITY	AMER FDS INS BOND FD	400,166,407.98	37,539,063	37.28		0
MML AMERICAN FUNDS CORE ALLOCATION FUND	EQUITY	AMER FD INS INTERNATIONAL FD	140,724,850.74	6,437,550	13.11		0
MML AMERICAN FUNDS CORE ALLOCATION FUND	EQUITY	AMER FDS INS BLUE CHIP INC GRT	238,551,772.67	16,485,955	22.22		0
MML AMERICAN FUNDS CORE ALLOCATION FUND	EQUITY	AMER FDS INS GRWTH INC FD	293,919,163.33	5,755,222	27.38		0