WESTERN STATES OFFICE AND PROFESSIONAL EMPLOYEES PENSION FUND THIRD SUSPENSION APPLICATION

Exhibit 9

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Projection for Plan Years beginning April 1, 2018 through December 31, 2044

Plan Year Beginning 4/1/2018 1/1/2019 1/1/2020 1/1/2021	1/1/2022
Plan Year Ending 12/31/2018 12/31/2019 12/31/2020 12/31/2021 12/31/2021 12/31/2021 12/31/2021 12/31/2021 12/31/2021 12/31/2021 12/31/2021 12/31/2021 12/31/2021 12/31/2021	31/2022
A. Market Value at Beginning of Year 330,182,699 320,526,132 310,538,145 300,583,679 290,3	392,463
Income	
B. Base Contributions 2,198,622 2,814,236 2,701,667 2,593,600 2,4	189,856
C. Supplemental/Surcharge Contributions 1,750,161 2,251,389 2,161,333 2,074,880 1,9	91,885
D. Existing Withdrawal Liability Payments 5,467,861 5,274,679 5,263,188 5,261,171 5,2	260,105
E. Future Withdrawal Liability Payments - 200,057 394,112 582,346	64,932
F. Total Investment Income 10,877,139 14,820,659 14,934,493 14,891,781 14,7	48,537
Disbursements	
G. Benefit Payments	
(a) Current Actives 405,901 811,402 1,113,548 1,392,485 1,6	57,374
(b) Current Inactive Vested 957,513 1,706,071 2,317,603 3,109,576 3,9	53,454
(c) Current Retirees/Beneficiaries 27,537,561 31,831,534 30,963,108 30,062,707 29,7	34,745
(d) Future New Entrants	-
(e) Total 28,900,975 34,349,007 34,394,259 34,564,768 34,7	45,574
H. Administrative expenses 1,049,375 1,000,000 1,015,000 1,030,225 1,000,000)45,678
I. Market Value at End of Year 320,526,132 310,538,145 300,583,679 290,392,463 279,6	356,526
(A+B+C+D+E+F-G(e)-H)	00,020
J. Available Resources 349,427,107 344,887,151 334,977,938 324,957,231 314,6	602,100
(A+B+C+D+E+F-H)	02,100
K. Solvency Ratio (J / G(e)) 9.07 10.04 9.74 9.40	9.05
L. Accrued Liability 522,428,825 407,290,401 402,064,956 396,380,166 390,0	74,276
M. Funded Percentage (A / L) 63.20% 78.70% 77.24% 75.83%	74.45%

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Projection for Plan Years beginning April 1, 2018 through December 31, 2044

Plan Year Beginning Plan Year Ending	1/1/2023 12/31/2023	1/1/2024 12/31/2024	1/1/2025 12/31/2025	1/1/2026 12/31/2026	1/1/2027 12/31/2027
A. Market Value at Beginning of Year	279,856,526	269,107,461	258,054,656	246,893,673	235,625,709
Income					
B. Base Contributions	2,390,262	2,294,651	2,202,865	2,114,751	2,030,161
C. Supplemental/Surcharge Contributions	1,912,209	1,835,721	1,762,292	1,691,801	1,624,129
D. Existing Withdrawal Liability Payments	5,243,215	5,238,616	5,238,616	5,238,616	5,226,650
E. Future Withdrawal Liability Payments	942,041	1,113,837	1,280,479	1,442,121	1,598,915
F. Total Investment Income	14,562,442	14,283,665	13,968,380	13,598,700	13,152,971
Disbursements					
G. Benefit Payments					
(a) Current Actives	1,876,134	2,066,604	2,232,888	2,383,318	2,504,368
(b) Current Inactive Vested	4,681,179	5,473,982	6,088,461	6,684,328	7,345,841
(c) Current Retirees/Beneficiaries	28,179,307	27,197,269	26,189,553	25,157,359	24,102,475
(d) Future New Entrants	1,249	4,157	9,269	19,104	31,687
(e) Total	34,737,870	34,742,012	34,520,171	34,244,108	33,984,371
H. Administrative expenses	1,061,364	1,077,284	1,093,443	1,109,845	1,126,493
I. Market Value at End of Year (A+B+C+D+E+F-G(e)-H)	269,107,461	258,054,656	246,893,673	235,625,709	224,147,671
J. Available Resources (A+B+C+D+E+F-H)	303,845,331	292,796,668	281,413,845	269,869,818	258,132,042
K. Solvency Ratio (J / G(e))	8.75	8.43	8.15	7.88	7.60
L. Accrued Liability M. Funded Percentage (A / L)	383,092,878 73.05%	375,583,579 71.65%	367,497,021 70.22%	359,026,667 68.77%	350,201,978 67.28%

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Projection for Plan Years beginning April 1, 2018 through December 31, 2044

1/1/2028	1/1/2029	1/1/2030	1/1/2031	1/1/2032 12/31/2032
224,147,671	213,697,365	203,198,972	192,665,194	182,099,992
1,948,954	1,870,996	1,796,156	1,724,310	1,655,338
1,559,163	1,496,797	1,436,925	1,379,448	1,324,270
5,221,098	5,221,098	5,215,936	5,208,331	5,198,803
1,751,004	1,898,531	2,041,632	2,180,440	2,315,084
13,720,431	13,181,296	12,627,643	12,042,397	11,410,932
2,617,205	2,728,996	2,802,647	2,891,228	2,978,926
7,817,225	8,281,967	8,767,017	9,209,431	9,646,271
23,026,992	21,933,494	20,825,320	19,706,061	18,580,064
46,145	62,114	79,139	97,789	117,795
33,507,566	33,006,570	32,474,122	31,904,509	31,323,056
1,143,390	1,160,541	1,177,949	1,195,618	1,213,552
213,697,365	203,198,972	192,665,194	182,099,992	171,467,810
247,204,931	236,205,542	225,139,316	214,004,501	202,790,866
7.38	7.16	6.93	6.71	6.47
340,981,399 65.74%	331,562,173 64.45%	321,955,938 63.11%	312,182,659 61.72%	302,269,629 60.24%
	12/31/2028 224,147,671 1,948,954 1,559,163 5,221,098 1,751,004 13,720,431 2,617,205 7,817,225 23,026,992 46,145 33,507,566 1,143,390 213,697,365 247,204,931 7.38 340,981,399	12/31/2028 12/31/2029 224,147,671 213,697,365 1,948,954 1,870,996 1,559,163 1,496,797 5,221,098 5,221,098 1,751,004 1,898,531 13,720,431 13,181,296 2,617,205 2,728,996 7,817,225 8,281,967 23,026,992 21,933,494 46,145 62,114 33,507,566 33,006,570 1,143,390 1,160,541 213,697,365 203,198,972 247,204,931 236,205,542 7.38 7.16 340,981,399 331,562,173	12/31/2028 12/31/2029 12/31/2030 224,147,671 213,697,365 203,198,972 1,948,954 1,870,996 1,796,156 1,559,163 1,496,797 1,436,925 5,221,098 5,221,098 5,215,936 1,751,004 1,898,531 2,041,632 13,720,431 13,181,296 12,627,643 2,617,205 2,728,996 2,802,647 7,817,225 8,281,967 8,767,017 23,026,992 21,933,494 20,825,320 46,145 62,114 79,139 33,507,566 33,006,570 32,474,122 1,143,390 1,160,541 1,177,949 213,697,365 203,198,972 192,665,194 247,204,931 236,205,542 225,139,316 7.38 7.16 6.93 340,981,399 331,562,173 321,955,938	12/31/2028 12/31/2029 12/31/2030 12/31/2031 224,147,671 213,697,365 203,198,972 192,665,194 1,948,954 1,870,996 1,796,156 1,724,310 1,559,163 1,496,797 1,436,925 1,379,448 5,221,098 5,221,098 5,215,936 5,208,331 1,751,004 1,898,531 2,041,632 2,180,440 13,720,431 13,181,296 12,627,643 12,042,397 2,617,205 2,728,996 2,802,647 2,891,228 7,817,225 8,281,967 8,767,017 9,209,431 23,026,992 21,933,494 20,825,320 19,706,061 46,145 62,114 79,139 97,789 33,507,566 33,006,570 32,474,122 31,904,509 1,143,390 1,160,541 1,177,949 1,195,618 213,697,365 203,198,972 192,665,194 182,099,992 247,204,931 236,205,542 225,139,316 214,004,501 7.38 7.16 6.93 6.71

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Projection for Plan Years beginning April 1, 2018 through December 31, 2044

Plan Year Beginning	1/1/2033	1/1/2034	1/1/2035	1/1/2036	1/1/2037
Plan Year Ending	12/31/2033	12/31/2034	12/31/2035	12/31/2036	12/31/2037
A. Market Value at Beginning of Year	171,467,810	160,093,080	148,207,231	135,724,207	123,024,394
Income					
B. Base Contributions	1,589,124	1,525,559	1,464,537	1,405,955	1,349,717
C. Supplemental/Surcharge Contributions	1,271,299	1,220,447	1,171,629	1,124,764	1,079,774
D. Existing Withdrawal Liability Payments	4,456,140	3,860,309	3,258,354	3,010,665	2,147,773
E. Future Withdrawal Liability Payments	2,445,688	2,572,374	2,695,260	2,814,459	2,930,082
F. Total Investment Income	10,747,257	10,036,575	9,269,829	8,471,867	7,637,697
Disbursements					
G. Benefit Payments					
(a) Current Actives	3,053,601	3,098,742	3,135,752	3,181,279	3,217,478
(b) Current Inactive Vested	10,007,133	10,262,723	10,541,797	10,740,207	10,801,925
(c) Current Retirees/Beneficiaries	17,451,996	16,326,679	15,209,324	14,105,172	13,019,934
(d) Future New Entrants	139,752	162,737	186,774	212,845	240,484
(e) Total	30,652,482	29,850,881	29,073,648	28,239,503	27,279,822
H. Administrative expenses	1,231,756	1,250,232	1,268,986	1,288,020	1,307,341
I. Market Value at End of Year	160,093,080	148,207,231	135,724,207	123,024,394	109,582,275
(A+B+C+D+E+F-G(e)-H)	, ,	, ,	, ,	, ,	, ,
J. Available Resources	190,745,562	178,058,112	164,797,855	151,263,897	136,862,097
(A+B+C+D+E+F-H)	, -,	-,,	- , - ,	- ,,	,,
K. Solvency Ratio (J / G(e))	6.22	5.96	5.67	5.36	5.02
L. Accrued Liability	292,219,844	282,116,564	272,092,480	262,128,839	252,289,727
M. Funded Percentage (A / L)	58.68%	56.75%	54.47%	51.78%	48.76%

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Projection for Plan Years beginning April 1, 2018 through December 31, 2044

Plan Year Beginning Plan Year Ending	1/1/2038 12/31/2038	1/1/2039 12/31/2039	1/1/2040 12/31/2040	1/1/2041 12/31/2041	1/1/2042 12/31/2042
A. Market Value at Beginning of Year	109,582,275	94,024,996	78,067,340	61,965,114	45,697,095
Income					
B. Base Contributions	1,295,728	1,243,899	1,194,143	1,146,378	1,100,522
C. Supplemental/Surcharge Contributions	1,036,583	995,119	955,315	917,102	880,418
D. Existing Withdrawal Liability Payments	227,947	-	-	-	-
E. Future Withdrawal Liability Payments	3,042,237	2,950,970	2,862,440	2,776,567	2,693,270
F. Total Investment Income	6,456,682	5,465,365	4,453,760	3,429,264	2,389,524
Disbursements					
G. Benefit Payments	-				
(a) Current Actives	3,229,879	3,247,347	3,237,379	3,233,866	3,232,053
(b) Current Inactive Vested	10,828,692	10,786,273	10,693,125	10,565,212	10,430,266
(c) Current Retirees/Beneficiaries	11,959,306	10,928,815	9,933,866	8,979,671	8,070,775
(d) Future New Entrants	271,628	303,718	336,458	371,017	407,218
(e) Total	26,289,505	25,266,153	24,200,827	23,149,766	22,140,313
H. Administrative expenses	1,326,951	1,346,855	1,367,058	1,387,564	1,408,377
I. Market Value at End of Year (A+B+C+D+E+F-G(e)-H)	94,024,996	78,067,340	61,965,114	45,697,095	29,212,140
J. Available Resources (A+B+C+D+E+F-H)	120,314,501	103,333,493	86,165,941	68,846,861	51,352,453
K. Solvency Ratio (J / G(e))	4.58	4.09	3.56	2.97	2.32
L. Accrued Liability	242,714,960 45.15%	233,456,121	224,570,992	216,130,780	208,153,557
M. Funded Percentage (A / L)	45.15%	40.28%	34.76%	28.67%	21.95%

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Projection for Plan Years beginning April 1, 2018 through December 31, 2044

Plan Year Beginning Plan Year Ending	1/1/2043 12/31/2043	1/1/2044 12/31/2044
A. Market Value at Beginning of Year	29,212,140	12,507,429
Income		
B. Base Contributions	1,056,502	1,014,241
C. Supplemental/Surcharge Contributions	845,201	811,393
D. Existing Withdrawal Liability Payments	-	-
E. Future Withdrawal Liability Payments	2,612,472	2,534,098
F. Total Investment Income	1,332,765	258,724
Disbursements		
G. Benefit Payments		
(a) Current Actives	3,210,030	3,181,466
(b) Current Inactive Vested	10,248,739	10,011,986
(c) Current Retirees/Beneficiaries	7,211,229	6,404,311
(d) Future New Entrants	452,151	497,611
(e) Total	21,122,148	20,095,374
H. Administrative expenses	1,429,503	1,450,945
I. Market Value at End of Year (A+B+C+D+E+F-G(e)-H)	12,507,429	Insolvent
J. Available Resources (A+B+C+D+E+F-H)	33,629,577	15,674,940
K. Solvency Ratio (J / G(e))	1.59	0.78
L. Accrued Liability	200,630,340	193,603,621
M. Funded Percentage (A / L)	14.56%	6.46%

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Projection for Plan Years beginning April 1, 2018 through December 31, 2039

Plan Year Beginning Plan Year Ending	4/1/2018 12/31/2018	1/1/2019 12/31/2019	1/1/2020 12/31/2020	1/1/2021 12/31/2021	1/1/2022 12/31/2022
A. Market Value at Beginning of Year	330,182,699	318,126,763	304,966,142	291,807,302	278,369,689
Income					
B. Base Contributions	2,198,622	2,814,236	2,701,667	2,593,600	2,489,856
C. Supplemental/Surcharge Contributions	1,750,161	2,251,389	2,161,333	2,074,880	1,991,885
D. Existing Withdrawal Liability Payments	5,467,861	5,274,679	5,263,188	5,261,171	5,260,105
E. Future Withdrawal Liability Payments	-	200,057	394,112	582,346	764,932
F. Total Investment Income	8,477,770	11,648,025	11,730,119	11,645,384	11,452,853
Disbursements					
G. Benefit Payments					
(a) Current Actives	405,901	811,402	1,113,548	1,392,485	1,657,374
(b) Current Inactive Vested	957,513	1,706,071	2,317,603	3,109,576	3,953,454
(c) Current Retirees/Beneficiaries	27,537,561	31,831,534	30,963,108	30,062,707	29,134,745
(d) Future New Entrants	-	-	-	-	-
(e) Total	28,900,975	34,349,007	34,394,259	34,564,768	34,745,574
H. Administrative expenses	1,049,375	1,000,000	1,015,000	1,030,225	1,045,678
I. Market Value at End of Year (A+B+C+D+E+F-G(e)-H)	318,126,763	304,966,142	291,807,302	278,369,689	264,538,068
J. Available Resources (A+B+C+D+E+F-H)	347,027,738	339,315,149	326,201,561	312,934,457	299,283,642
K. Solvency Ratio (J / G(e))	9.01	9.88	9.48	9.05	8.61
L. Accrued Liability M. Funded Percentage (A / L)	522,428,825 63.20%	407,290,401 78.11%	402,064,956 75.85%	396,380,166 73.62%	390,074,276 71.36%

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Projection for Plan Years beginning April 1, 2018 through December 31, 2039

Plan Year Beginning Plan Year Ending	1/1/2023 12/31/2023	1/1/2024 12/31/2024	1/1/2025 12/31/2025	1/1/2026 12/31/2026	1/1/2027 12/31/2027
A. Market Value at Beginning of Year	264,538,068	250,435,325	235,964,811	221,312,915	206,472,471
Income					
B. Base Contributions	2,390,262	2,294,651	2,202,865	2,114,751	2,030,161
C. Supplemental/Surcharge Contributions	1,912,209	1,835,721	1,762,292	1,691,801	1,624,129
D. Existing Withdrawal Liability Payments	5,243,215	5,238,616	5,238,616	5,238,616	5,226,650
E. Future Withdrawal Liability Payments	942,041	1,113,837	1,280,479	1,442,121	1,598,915
F. Total Investment Income	11,208,763	10,865,956	10,477,466	10,026,220	9,494,276
Disbursements					
G. Benefit Payments					
(a) Current Actives	1,876,134	2,066,604	2,232,888	2,383,318	2,504,368
(b) Current Inactive Vested	4,681,179	5,473,982	6,088,461	6,684,328	7,345,841
(c) Current Retirees/Beneficiaries	28,179,307	27,197,269	26,189,553	25,157,359	24,102,475
(d) Future New Entrants	1,249	4,157	9,269	19,104	31,687
(e) Total	34,737,870	34,742,012	34,520,171	34,244,108	33,984,371
H. Administrative expenses	1,061,364	1,077,284	1,093,443	1,109,845	1,126,493
I. Market Value at End of Year (A+B+C+D+E+F-G(e)-H)	250,435,325	235,964,811	221,312,915	206,472,471	191,335,736
J. Available Resources (A+B+C+D+E+F-H)	285,173,194	270,706,822	255,833,086	240,716,579	225,320,108
K. Solvency Ratio (J / G(e))	8.21	7.79	7.41	7.03	6.63
L. Accrued Liability M. Funded Percentage (A / L)	383,092,878 69.05%	375,583,579 66.68%	367,497,021 64.21%	359,026,667 61.64%	350,201,978 58.96%

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Projection for Plan Years beginning April 1, 2018 through December 31, 2039

Plan Year Beginning	1/1/2028	1/1/2029	1/1/2030	1/1/2031	1/1/2032
Plan Year Ending	12/31/2028	12/31/2029	12/31/2030	12/31/2031	12/31/2032
A. Market Value at Beginning of Year	191,335,736	176,969,995	162,422,003	147,692,610	132,777,341
Income					
B. Base Contributions	1,948,954	1,870,996	1,796,156	1,724,310	1,655,338
C. Supplemental/Surcharge Contributions	1,559,163	1,496,797	1,436,925	1,379,448	1,324,270
D. Existing Withdrawal Liability Payments	5,221,098	5,221,098	5,215,936	5,208,331	5,198,803
E. Future Withdrawal Liability Payments	1,751,004	1,898,531	2,041,632	2,180,440	2,315,084
F. Total Investment Income	9,804,995	9,131,697	8,432,028	7,692,329	6,903,553
Disbursements					
G. Benefit Payments					
(a) Current Actives	2,617,205	2,728,996	2,802,647	2,891,228	2,978,926
(b) Current Inactive Vested	7,817,225	8,281,967	8,767,017	9,209,431	9,646,271
(c) Current Retirees/Beneficiaries	23,026,992	21,933,494	20,825,320	19,706,061	18,580,064
(d) Future New Entrants	46,145	62,114	79,139	97,789	117,795
(e) Total	33,507,566	33,006,570	32,474,122	31,904,509	31,323,056
H. Administrative expenses	1,143,390	1,160,541	1,177,949	1,195,618	1,213,552
I. Market Value at End of Year (A+B+C+D+E+F-G(e)-H)	176,969,995	162,422,003	147,692,610	132,777,341	117,637,780
J. Available Resources (A+B+C+D+E+F-H)	210,477,561	195,428,573	180,166,732	164,681,850	148,960,835
K. Solvency Ratio (J / G(e))	6.28	5.92	5.55	5.16	4.76
L. Accrued Liability M. Funded Percentage (A / L)	340,981,399 56.11%	331,562,173 53.37%	321,955,938 50.45%	312,182,659 47.31%	302,269,629 43.93%

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Projection for Plan Years beginning April 1, 2018 through December 31, 2039

Plan Year Beginning Plan Year Ending	1/1/2033 12/31/2033	1/1/2034 12/31/2034	1/1/2035 12/31/2035	1/1/2036 12/31/2036	1/1/2037 12/31/2037
A. Market Value at Beginning of Year	117,637,780	101,590,670	84,861,314	67,362,592	49,466,930
Income					
B. Base Contributions	1,589,124	1,525,559	1,464,537	1,405,955	1,349,717
C. Supplemental/Surcharge Contributions	1,271,299	1,220,447	1,171,629	1,124,764	1,079,774
D. Existing Withdrawal Liability Payments	4,456,140	3,860,309	3,258,354	3,010,665	2,147,773
E. Future Withdrawal Liability Payments	2,445,688	2,572,374	2,695,260	2,814,459	2,930,082
F. Total Investment Income	6,074,877	5,193,068	4,254,131	3,276,019	2,253,875
Disbursements					
G. Benefit Payments					
(a) Current Actives	3,053,601	3,098,742	3,135,752	3,181,279	3,217,478
(b) Current Inactive Vested	10,007,133	10,262,723	10,541,797	10,740,207	10,801,925
(c) Current Retirees/Beneficiaries	17,451,996	16,326,679	15,209,324	14,105,172	13,019,934
(d) Future New Entrants	139,752	162,737	186,774	212,845	240,484
(e) Total	30,652,482	29,850,881	29,073,648	28,239,503	27,279,822
H. Administrative expenses	1,231,756	1,250,232	1,268,986	1,288,020	1,307,341
I. Market Value at End of Year (A+B+C+D+E+F-G(e)-H)	101,590,670	84,861,314	67,362,592	49,466,930	30,640,989
J. Available Resources (A+B+C+D+E+F-H)	132,243,152	114,712,195	96,436,239	77,706,433	57,920,811
K. Solvency Ratio (J / G(e))	4.31	3.84	3.32	2.75	2.12
L. Accrued Liability M. Funded Percentage (A / L)	292,219,844 40.26%	282,116,564 36.01%	272,092,480 31.19%	262,128,839 25.70%	252,289,727 19.61%

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Projection for Plan Years beginning April 1, 2018 through December 31, 2039

Plan Year Beginning	1/1/2038	1/1/2039
Plan Year Ending	12/31/2038	12/31/2039
A. Market Value at Beginning of Year	30,640,989	9,716,715
Income		
B. Base Contributions	1,295,728	1,243,899
C. Supplemental/Surcharge Contributions	1,036,583	995,119
D. Existing Withdrawal Liability Payments	227,947	-
E. Future Withdrawal Liability Payments	3,042,237	2,950,970
F. Total Investment Income	1,089,687	(55,311)
Disbursements		
G. Benefit Payments		
(a) Current Actives	3,229,879	3,247,347
(b) Current Inactive Vested	10,828,692	10,786,273
(c) Current Retirees/Beneficiaries	11,959,306	10,928,815
(d) Future New Entrants	271,628	303,718
(e) Total	26,289,505	25,266,153
H. Administrative expenses	1,326,951	1,346,855
I. Market Value at End of Year	9,716,715	Insolvent
(A+B+C+D+E+F-G(e)-H)		
J. Available Resources	36,006,221	13,504,538
(A+B+C+D+E+F-H)		
K. Solvency Ratio (J / G(e))	1.37	0.53
L. Accrued Liability	242,714,960	233,456,121
M. Funded Percentage (A / L)	12.62%	4.16%

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Projection for Plan Years beginning April 1, 2018 through December 31, 2047

Plan Year Beginning Plan Year Ending	4/1/2018 12/31/2018	1/1/2019 12/31/2019	1/1/2020 12/31/2020	1/1/2021 12/31/2021	1/1/2022 12/31/2022
A. Market Value at Beginning of Year	330,182,699	322,925,500	315,654,199	308,067,469	299,956,249
Income					
B. Base Contributions	2,198,622	2,541,607	2,203,573	1,910,498	1,656,402
C. Supplemental/Surcharge Contributions	1,750,161	2,033,286	1,762,859	1,528,398	1,325,121
D. Existing Withdrawal Liability Payments	5,467,861	5,274,679	5,263,188	5,261,171	5,260,105
E. Future Withdrawal Liability Payments	-	200,057	394,112	582,346	764,932
F. Total Investment Income	13,276,508	18,027,054	18,196,045	18,196,180	18,082,444
Disbursements					
G. Benefit Payments					
(a) Current Actives	405,901	811,378	1,113,459	1,392,276	1,656,979
(b) Current Inactive Vested	957,513	1,706,020	2,317,417	3,109,110	3,952,511
(c) Current Retirees/Beneficiaries	27,537,561	31,830,587	30,960,631	30,058,201	29,127,792
(d) Future New Entrants	-	-	-	-	-
(e) Total	28,900,975	34,347,985	34,391,507	34,559,588	34,737,282
H. Administrative expenses	1,049,375	1,000,000	1,015,000	1,030,225	1,045,678
I. Market Value at End of Year (A+B+C+D+E+F-G(e)-H)	322,925,500	315,654,199	308,067,469	299,956,249	291,262,292
J. Available Resources (A+B+C+D+E+F-H)	351,826,476	350,002,183	342,458,976	334,515,836	325,999,574
K. Solvency Ratio (J / G(e))	9.13	10.19	9.96	9.68	9.38
L. Accrued Liability M. Funded Percentage (A / L)	522,428,825 63.20%	407,290,401 79.29%	401,984,624 78.52%	396,148,161 77.77%	389,626,886 76.99%

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Projection for Plan Years beginning April 1, 2018 through December 31, 2047

Plan Year Beginning Plan Year Ending	1/1/2023 12/31/2023	1/1/2024 12/31/2024	1/1/2025 12/31/2025	1/1/2026 12/31/2026	1/1/2027 12/31/2027
A. Market Value at Beginning of Year	291,262,292	282,160,205	272,594,359	262,792,048	252,781,932
Income					
B. Base Contributions	1,436,100	1,245,099	1,079,501	935,927	811,449
C. Supplemental/Surcharge Contributions	1,148,880	996,079	863,601	748,742	649,159
D. Existing Withdrawal Liability Payments	5,243,215	5,238,616	5,238,616	5,238,616	5,226,650
E. Future Withdrawal Liability Payments	942,041	1,113,837	1,280,479	1,442,121	1,598,915
F. Total Investment Income	17,915,113	17,644,079	17,329,020	16,953,110	16,493,631
Disbursements					
G. Benefit Payments					
(a) Current Actives	1,875,503	2,065,691	2,231,646	2,381,683	2,502,310
(b) Current Inactive Vested	4,679,605	5,471,565	6,085,075	6,679,745	7,339,805
(c) Current Retirees/Beneficiaries	28,169,836	27,185,262	26,174,991	25,140,107	24,082,670
(d) Future New Entrants	1,128	3,755	8,371	17,253	28,618
(e) Total	34,726,073	34,726,273	34,500,084	34,218,788	33,953,404
H. Administrative expenses	1,061,364	1,077,284	1,093,443	1,109,845	1,126,493
I. Market Value at End of Year (A+B+C+D+E+F-G(e)-H)	282,160,205	272,594,359	262,792,048	252,781,932	242,481,839
J. Available Resources (A+B+C+D+E+F-H)	316,886,278	307,320,631	297,292,132	287,000,720	276,435,243
K. Solvency Ratio (J / G(e))	9.13	8.85	8.62	8.39	8.14
L. Accrued Liability M. Funded Percentage (A / L)	382,372,825 76.17%	374,538,692 75.34%	366,079,356 74.46%	357,191,671 73.57%	347,908,257 72.66%

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Projection for Plan Years beginning April 1, 2018 through December 31, 2047

Plan Year Beginning Plan Year Ending	1/1/2028 12/31/2028	1/1/2029 12/31/2029	1/1/2030 12/31/2030	1/1/2031 12/31/2031	1/1/2032 12/31/2032
A. Market Value at Beginning of Year	242,481,839	233,234,474	223,915,380	214,553,811	205,167,401
Income					
B. Base Contributions	703,526	609,957	528,833	458,498	397,518
C. Supplemental/Surcharge Contributions	562,821	487,966	423,066	366,799	318,014
D. Existing Withdrawal Liability Payments	5,221,098	5,221,098	5,215,936	5,208,331	5,198,803
E. Future Withdrawal Liability Payments	1,751,004	1,898,531	2,041,632	2,180,440	2,315,084
F. Total Investment Income	17,128,264	16,587,184	16,031,510	15,443,412	14,806,584
Disbursements					
G. Benefit Payments					
(a) Current Actives	2,614,670	2,725,909	2,799,025	2,886,977	2,973,980
(b) Current Inactive Vested	7,809,654	8,272,600	8,755,688	9,195,891	9,630,255
(c) Current Retirees/Beneficiaries	23,004,690	21,908,685	20,798,411	19,677,088	18,549,214
(d) Future New Entrants	41,674	56,096	71,472	88,315	106,383
(e) Total	33,470,688	32,963,290	32,424,597	31,848,272	31,259,832
H. Administrative expenses	1,143,390	1,160,541	1,177,949	1,195,618	1,213,552
I. Market Value at End of Year (A+B+C+D+E+F-G(e)-H)	233,234,474	223,915,380	214,553,811	205,167,401	195,730,019
J. Available Resources (A+B+C+D+E+F-H)	266,705,162	256,878,670	246,978,408	237,015,673	226,989,851
K. Solvency Ratio (J / G(e))	7.97	7.79	7.62	7.44	7.26
L. Accrued Liability M. Funded Percentage (A / L)	338,189,640 71.70%	328,234,418 71.06%	318,055,300 70.40%	307,672,197 69.73%	297,112,539 69.05%

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Projection for Plan Years beginning April 1, 2018 through December 31, 2047

Plan Year Beginning Plan Year Ending	1/1/2033 12/31/2033	1/1/2034 12/31/2034	1/1/2035 12/31/2035	1/1/2036 12/31/2036	1/1/2037 12/31/2037
A. Market Value at Beginning of Year	195,730,019	185,574,339	174,936,629	163,732,693	152,348,105
Income					
B. Base Contributions	344,648	298,810	259,068	224,612	194,739
C. Supplemental/Surcharge Contributions	275,718	239,048	207,254	179,690	155,791
D. Existing Withdrawal Liability Payments	4,456,140	3,860,309	3,258,354	3,010,665	2,147,773
E. Future Withdrawal Liability Payments	2,445,688	2,572,374	2,695,260	2,814,459	2,930,082
F. Total Investment Income	14,135,982	13,415,250	12,633,874	11,820,512	10,969,819
Disbursements					
G. Benefit Payments					
(a) Current Actives	3,047,912	3,092,286	3,128,502	3,173,064	3,208,226
(b) Current Inactive Vested	9,988,491	10,241,343	10,517,422	10,712,470	10,770,867
(c) Current Retirees/Beneficiaries	17,419,484	16,292,667	15,174,157	14,068,745	12,982,498
(d) Future New Entrants	126,213	146,972	168,680	192,226	217,187
(e) Total	30,582,100	29,773,268	28,988,761	28,146,505	27,178,779
H. Administrative expenses	1,231,756	1,250,232	1,268,986	1,288,020	1,307,341
I. Market Value at End of Year (A+B+C+D+E+F-G(e)-H)	185,574,339	174,936,629	163,732,693	152,348,105	140,260,190
J. Available Resources (A+B+C+D+E+F-H)	216,156,439	204,709,897	192,721,454	180,494,611	167,438,969
K. Solvency Ratio (J / G(e))	7.07	6.88	6.65	6.41	6.16
L. Accrued Liability M. Funded Percentage (A / L)	286,378,871 68.35%	275,553,528 67.35%	264,767,816 66.07%	254,001,221 64.46%	243,316,550 62.61%

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Projection for Plan Years beginning April 1, 2018 through December 31, 2047

Plan Year Beginning Plan Year Ending	1/1/2038 12/31/2038	1/1/2039 12/31/2039	1/1/2040 12/31/2040	1/1/2041 12/31/2041	1/1/2042 12/31/2042
A. Market Value at Beginning of Year	140,260,190	126,013,219	111,378,912	96,613,555	81,696,898
Income					
B. Base Contributions	168,838	146,383	126,914	110,034	95,400
C. Supplemental/Surcharge Contributions	135,071	117,106	101,531	88,028	76,320
D. Existing Withdrawal Liability Payments	227,947	-	-	-	-
E. Future Withdrawal Liability Payments	3,042,237	2,950,970	2,862,440	2,776,567	2,693,270
F. Total Investment Income	9,686,168	8,646,582	7,585,407	6,511,192	5,421,328
Disbursements					
G. Benefit Payments					
(a) Current Actives	3,219,587	3,235,868	3,224,676	3,219,824	3,216,447
(b) Current Inactive Vested	10,794,185	10,748,145	10,651,166	10,519,336	10,379,901
(c) Current Retirees/Beneficiaries	11,921,196	10,890,184	9,894,886	8,940,680	8,031,804
(d) Future New Entrants	245,314	274,295	303,864	335,074	367,769
(e) Total	26,180,282	25,148,492	24,074,592	23,014,915	21,995,920
H. Administrative expenses	1,326,951	1,346,855	1,367,058	1,387,564	1,408,377
I. Market Value at End of Year (A+B+C+D+E+F-G(e)-H)	126,013,219	111,378,912	96,613,555	81,696,898	66,578,919
J. Available Resources (A+B+C+D+E+F-H)	152,193,501	136,527,405	120,688,147	104,711,813	88,574,839
K. Solvency Ratio (J / G(e))	5.81	5.43	5.01	4.55	4.03
L. Accrued Liability M. Funded Percentage (A / L)	232,851,127 60.24%	222,653,922 56.60%	212,779,906 52.34%	203,297,042 47.52%	194,219,721 42.06%

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Projection for Plan Years beginning April 1, 2018 through December 31, 2047

Plan Year Beginning Plan Year Ending	1/1/2043 12/31/2043	1/1/2044 12/31/2044	1/1/2045 12/31/2045	1/1/2046 12/31/2046	1/1/2047 12/31/2047
A. Market Value at Beginning of Year	66,578,919	51,257,201	35,727,654	19,943,926	3,904,432
Income					
B. Base Contributions	82,712	71,711	62,173	53,904	46,735
C. Supplemental/Surcharge Contributions	66,169	57,369	49,739	43,124	37,388
D. Existing Withdrawal Liability Payments	-	-	-	-	-
E. Future Withdrawal Liability Payments	2,612,472	2,534,098	2,458,075	2,384,333	2,312,803
F. Total Investment Income	4,313,846	3,188,453	2,043,240	876,381	(313,798)
Disbursements					
G. Benefit Payments					
(a) Current Actives	3,192,802	3,162,483	3,119,777	3,058,295	2,979,570
(b) Current Inactive Vested	10,193,737	9,952,247	9,698,670	9,389,631	9,061,168
(c) Current Retirees/Beneficiaries	7,172,528	6,366,098	5,615,365	4,922,012	4,287,080
(d) Future New Entrants	408,349	449,405	490,433	532,496	575,351
(e) Total	20,967,415	19,930,233	18,924,246	17,902,435	16,903,169
H. Administrative expenses	1,429,503	1,450,945	1,472,710	1,494,800	1,517,222
I. Market Value at End of Year (A+B+C+D+E+F-G(e)-H)	51,257,201	35,727,654	19,943,926	3,904,432	Insolvent
J. Available Resources (A+B+C+D+E+F-H)	72,224,616	55,657,886	38,868,171	21,806,868	4,470,338
K. Solvency Ratio (J / G(e))	3.44	2.79	2.05	1.22	0.26
L. Accrued Liability M. Funded Percentage (A / L)	185,535,859 35.88%	177,284,417 28.91%	169,506,241 21.08%	162,203,755 12.30%	155,428,221 2.51%

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Projection for Plan Years beginning April 1, 2018 through December 31, 2046

Plan Year Beginning	4/1/2018 12/31/2018	1/1/2019 12/31/2019	1/1/2020 12/31/2020	1/1/2021 12/31/2021	1/1/2022 12/31/2022
Plan Year Ending					
A. Market Value at Beginning of Year	330,182,699	322,925,500	315,600,012	307,916,626	299,675,418
Income					
B. Base Contributions	2,198,622	2,512,292	2,153,034	1,845,150	1,581,294
C. Supplemental/Surcharge Contributions	1,750,161	2,009,834	1,722,427	1,476,120	1,265,035
D. Existing Withdrawal Liability Payments	5,467,861	5,274,679	5,263,188	5,261,171	5,260,105
E. Future Withdrawal Liability Payments	-	200,057	394,112	582,346	764,932
F. Total Investment Income	13,276,508	18,025,525	18,190,064	18,183,261	18,060,486
Disbursements					
G. Benefit Payments					
(a) Current Actives	405,901	811,375	1,113,449	1,392,253	1,656,936
(b) Current Inactive Vested	957,513	1,706,015	2,317,397	3,109,060	3,952,409
(c) Current Retirees/Beneficiaries	27,537,561	31,830,485	30,960,365	30,057,717	29,127,045
(d) Future New Entrants	-	-	-	-	-
(e) Total	28,900,975	34,347,875	34,391,211	34,559,031	34,736,390
H. Administrative expenses	1,049,375	1,000,000	1,015,000	1,030,225	1,045,678
I. Market Value at End of Year	322,925,500	315,600,012	307,916,626	299,675,418	290,825,202
(A+B+C+D+E+F-G(e)-H)	,,,	,			
J. Available Resources	351,826,476	349,947,887	342,307,837	334,234,449	325,561,592
(A+B+C+D+E+F-H)	331,020,470	343,347,007	342,307,037	334,234,443	323,301,332
K. Solvency Ratio (J / G(e))	9.13	10.19	9.95	9.67	9.37
L. Accrued Liability	522,428,825	407,290,401	401,975,985	396,124,115	389,582,166
M. Funded Percentage (A / L)	63.20%	79.29%	78.51%	77.73%	76.92%

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Projection for Plan Years beginning April 1, 2018 through December 31, 2046

Plan Year Beginning Plan Year Ending	1/1/2023 12/31/2023	1/1/2024 12/31/2024	1/1/2025 12/31/2025	1/1/2026 12/31/2026	1/1/2027 12/31/2027
A. Market Value at Beginning of Year	290,825,202	281,545,855	271,785,745	261,774,934	251,544,054
Income					
B. Base Contributions	1,355,169	1,161,380	995,302	852,974	730,999
C. Supplemental/Surcharge Contributions	1,084,135	929,104	796,242	682,379	584,799
D. Existing Withdrawal Liability Payments	5,243,215	5,238,616	5,238,616	5,238,616	5,226,650
E. Future Withdrawal Liability Payments	942,041	1,113,837	1,280,479	1,442,121	1,598,915
F. Total Investment Income	17,882,264	17,598,822	17,269,926	16,878,961	16,403,466
Disbursements					
G. Benefit Payments					
(a) Current Actives	1,875,436	2,065,594	2,231,513	2,381,509	2,502,092
(b) Current Inactive Vested	4,679,436	5,471,306	6,084,713	6,679,256	7,339,164
(c) Current Retirees/Beneficiaries	28,168,819	27,183,974	26,173,433	25,138,267	24,080,565
(d) Future New Entrants	1,115	3,711	8,275	17,054	28,288
(e) Total	34,724,806	34,724,585	34,497,934	34,216,086	33,950,108
H. Administrative expenses	1,061,364	1,077,284	1,093,443	1,109,845	1,126,493
I. Market Value at End of Year (A+B+C+D+E+F-G(e)-H)	281,545,855	271,785,745	261,774,934	251,544,054	241,012,282
J. Available Resources (A+B+C+D+E+F-H)	316,270,662	306,510,330	296,272,867	285,760,140	274,962,390
K. Solvency Ratio (J / G(e))	9.11	8.83	8.59	8.35	8.10
L. Accrued Liability M. Funded Percentage (A / L)	382,303,366 76.07%	374,441,348 75.19%	365,951,711 74.27%	357,031,861 73.32%	347,714,897 72.34%

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Projection for Plan Years beginning April 1, 2018 through December 31, 2046

Plan Year Beginning Plan Year Ending	1/1/2028 12/31/2028	1/1/2029 12/31/2029	1/1/2030 12/31/2030	1/1/2031 12/31/2031	1/1/2032 12/31/2032
A. Market Value at Beginning of Year	241,012,282	231,515,315	221,935,038	212,300,201	202,627,836
Income					
B. Base Contributions	626,466	536,881	460,107	394,312	337,925
C. Supplemental/Surcharge Contributions	501,173	429,505	368,086	315,450	270,340
D. Existing Withdrawal Liability Payments	5,221,098	5,221,098	5,215,936	5,208,331	5,198,803
E. Future Withdrawal Liability Payments	1,751,004	1,898,531	2,041,632	2,180,440	2,315,084
F. Total Investment Income	17,013,453	16,452,952	15,876,706	15,267,050	14,607,941
Disbursements					
G. Benefit Payments					
(a) Current Actives	2,614,401	2,725,583	2,798,643	2,886,530	2,973,460
(b) Current Inactive Vested	7,808,851	8,271,609	8,754,493	9,194,465	9,628,572
(c) Current Retirees/Beneficiaries	23,002,326	21,906,062	20,795,572	19,674,038	18,545,972
(d) Future New Entrants	41,194	55,449	70,648	87,297	105,156
(e) Total	33,466,772	32,958,703	32,419,357	31,842,330	31,253,160
H. Administrative expenses	1,143,390	1,160,541	1,177,949	1,195,618	1,213,552
I. Market Value at End of Year (A+B+C+D+E+F-G(e)-H)	231,515,315	221,935,038	212,300,201	202,627,836	192,891,217
J. Available Resources (A+B+C+D+E+F-H)	264,982,087	254,893,742	244,719,557	234,470,165	224,144,376
K. Solvency Ratio (J / G(e))	7.92	7.73	7.55	7.36	7.17
L. Accrued Liability M. Funded Percentage (A / L)	337,961,658 71.31%	327,970,959 70.59%	317,755,676 69.84%	307,335,764 69.08%	296,738,709 68.28%

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Projection for Plan Years beginning April 1, 2018 through December 31, 2046

Plan Year Beginning Plan Year Ending	1/1/2033 12/31/2033	1/1/2034 12/31/2034	1/1/2035 12/31/2035	1/1/2036 12/31/2036	1/1/2037 12/31/2037
A. Market Value at Beginning of Year	192,891,217	182,421,756	171,454,198	159,902,947	148,151,785
Income					
B. Base Contributions	289,602	248,189	212,698	182,282	156,216
C. Supplemental/Surcharge Contributions	231,682	198,551	170,158	145,826	124,973
D. Existing Withdrawal Liability Payments	4,456,140	3,860,309	3,258,354	3,010,665	2,147,773
E. Future Withdrawal Liability Payments	2,445,688	2,572,374	2,695,260	2,814,459	2,930,082
F. Total Investment Income	13,913,866	13,168,349	12,361,097	11,520,360	10,640,638
Disbursements					
G. Benefit Payments					
(a) Current Actives	3,047,316	3,091,610	3,127,744	3,172,206	3,207,262
(b) Current Inactive Vested	9,986,536	10,239,105	10,514,874	10,709,576	10,767,630
(c) Current Retirees/Beneficiaries	17,416,074	16,289,105	15,170,481	14,064,943	12,978,597
(d) Future New Entrants	124,758	145,277	166,734	190,009	214,682
(e) Total	30,574,682	29,765,097	28,979,833	28,136,734	27,168,172
H. Administrative expenses	1,231,756	1,250,232	1,268,986	1,288,020	1,307,341
I. Market Value at End of Year (A+B+C+D+E+F-G(e)-H)	182,421,756	171,454,198	159,902,947	148,151,785	135,675,954
J. Available Resources (A+B+C+D+E+F-H)	212,996,438	201,219,296	188,882,780	176,288,518	162,844,126
K. Solvency Ratio (J / G(e))	6.97	6.76	6.52	6.27	5.99
L. Accrued Liability M. Funded Percentage (A / L)	285,967,062 67.45%	275,103,115 66.31%	264,278,102 64.88%	253,471,410 63.09%	242,745,814 61.03%

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Projection for Plan Years beginning April 1, 2018 through December 31, 2046

Plan Year Beginning Plan Year Ending	1/1/2038 12/31/2038	1/1/2039 12/31/2039	1/1/2040 12/31/2040	1/1/2041 12/31/2041	1/1/2042 12/31/2042
A. Market Value at Beginning of Year	135,675,954	121,029,453	105,972,041	90,757,690	75,363,652
Income					
B. Base Contributions	133,877	114,733	98,326	84,265	72,215
C. Supplemental/Surcharge Contributions	107,102	91,786	78,661	67,412	57,772
D. Existing Withdrawal Liability Payments	227,947	-	-	-	-
E. Future Withdrawal Liability Payments	3,042,237	2,950,970	2,862,440	2,776,567	2,693,270
F. Total Investment Income	9,338,115	8,268,121	7,174,659	6,066,094	4,939,623
Disbursements					
G. Benefit Payments					
(a) Current Actives	3,218,516	3,234,676	3,223,359	3,218,371	3,214,833
(b) Current Inactive Vested	10,790,596	10,744,187	10,646,816	10,514,588	10,374,695
(c) Current Retirees/Beneficiaries	11,917,232	10,886,172	9,890,845	8,936,645	8,027,775
(d) Future New Entrants	242,485	271,132	300,359	331,210	363,527
(e) Total	26,168,829	25,136,167	24,061,379	23,000,813	21,980,831
H. Administrative expenses	1,326,951	1,346,855	1,367,058	1,387,564	1,408,377
I. Market Value at End of Year (A+B+C+D+E+F-G(e)-H)	121,029,453	105,972,041	90,757,690	75,363,652	59,737,325
J. Available Resources (A+B+C+D+E+F-H)	147,198,281	131,108,207	114,819,069	98,364,465	81,718,156
K. Solvency Ratio (J / G(e))	5.62	5.22	4.77	4.28	3.72
L. Accrued Liability M. Funded Percentage (A / L)	232,238,503 58.42%	221,998,313 54.52%	212,080,089 49.97%	202,551,645 44.81%	193,427,202 38.96%

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Projection for Plan Years beginning April 1, 2018 through December 31, 2046

Plan Year Beginning Plan Year Ending	1/1/2043 12/31/2043	1/1/2044 12/31/2044	1/1/2045 12/31/2045	1/1/2046 12/31/2046
A. Market Value at Beginning of Year	59,737,325	43,873,507	27,765,050	11,362,278
Income				
B. Base Contributions	61,888	53,038	45,454	38,954
C. Supplemental/Surcharge Contributions	49,511	42,431	36,363	31,163
D. Existing Withdrawal Liability Payments	-	-	-	-
E. Future Withdrawal Liability Payments	2,612,472	2,534,098	2,458,075	2,384,333
F. Total Investment Income	3,793,075	2,625,930	1,436,038	221,308
Disbursements				
G. Benefit Payments				
(a) Current Actives	3,191,025	3,160,529	3,117,645	3,055,993
(b) Current Inactive Vested	10,188,063	9,946,096	9,692,043	9,382,562
(c) Current Retirees/Beneficiaries	7,168,535	6,362,164	5,611,527	4,918,306
(d) Future New Entrants	403,639	444,221	484,777	526,355
(e) Total	20,951,262	19,913,010	18,905,992	17,883,216
H. Administrative expenses	1,429,503	1,450,945	1,472,710	1,494,800
I. Market Value at End of Year (A+B+C+D+E+F-G(e)-H)	43,873,507	27,765,050	11,362,278	Insolvent
J. Available Resources (A+B+C+D+E+F-H)	64,824,769	47,678,059	30,268,270	12,543,235
K. Solvency Ratio (J / G(e))	3.09	2.39	1.60	0.70
L. Accrued Liability M. Funded Percentage (A / L)	184,694,597 32.34%	176,392,686 24.87%	168,562,134 16.47%	161,205,125 7.05%

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