



STATISTICAL Section

We analyze and leverage data to help us create a personalized and relevant experience for every member of the System.
Valuable insight worth sharing.

Overview

The *Statistical Section* presents detailed information as a context for understanding what the information in the *Financial Statements*, note disclosures, and *Required Supplementary Information* says about MOSERS' overall financial health.

Financial Trends Information

- *Changes in Fiduciary Net Position* – This schedule presents financial trend information for the most recent ten fiscal years.
- *Deductions from Net Position for Benefits and Refunds by Type* – This information is intended to help the reader assess how benefit payments have changed over time.
- *Valuation Assets (Smoothed Fair Value) vs. Pension Liabilities* – This information is intended to help the reader assess how MOSERS' funded status has changed over time.

Revenues Information

- *Required Employer Contribution Rates as a Percent of Payroll* – This information is intended to help the reader assess how MOSERS' contribution requirements have changed over time.

Operating & Economic Information

- *Membership in Retirement Plans* – This information is intended to help the reader assess how MOSERS' membership has changed over time.
- *Distribution of Benefit Recipients by Location* – This information is intended to help the reader evaluate where MOSERS distributes annuity payments.
- *Benefit Recipients by Type of Retirement and Option Elected* – This information is intended to help the reader understand the stratification of benefit payments by amount and elected option.
- *Benefits Tabulated by Type of Benefit and by Option* – This information is intended to help the reader understand the actuarially determined annual and average monthly benefit amounts by benefit type and option.
- *Average Monthly Benefit Amounts* – This information is intended to help the reader evaluate how benefit payments have changed over time. Figures have been stratified based on years of credited service.
- *Retirees and Beneficiaries Tabulated by Fiscal Year of Retirement* – This information is intended to help the reader understand how long current retirees have been in retirement.
- *Benefits Tabulated by Attained Ages of Benefit Recipients* – This information is intended to help the reader understand the actuarially determined annual and average monthly benefit amounts by type of recipient, and age of recipient.
- *Principal Participating Employers* – This information is intended to help the reader understand MOSERS' most significant sources of contribution revenue, and how it has changed over time.

Changes in Fiduciary Net Position

Last Ten Fiscal Years

	2024	2023	2022	2021	2020
MSEP					
<i>Additions</i>					
Employer contributions	\$ 671,523,865	\$ 582,381,146	\$ 471,302,256	\$ 463,293,368	\$ 436,895,653
Additional state contribution	0	500,000,000	0	0	0
Employee contributions	58,710,640	48,487,731	39,809,873	37,571,263	35,141,960
Member service purchases	1,063,108	1,591,102	2,119,195	1,520,330	1,388,992
Service transfers in	4,220,333	3,573,592	3,494,626	2,298,914	2,664,796
Prepaid employer contributions discount	(1,620,792)	(1,719,767)	0	0	0
Investment income (net of expenses)	556,669,632	177,598,790	(816,407,543)	2,032,991,086	400,354,303
Other	1,025	646	5,852	80,121	133,952
Total additions to plan net position	1,290,567,811	1,311,913,240	(299,675,741)	2,537,755,082	876,579,656
<i>Deductions</i>					
Benefit payments	1,021,200,064	979,142,541	949,501,630	911,424,269	864,807,554
Contribution refunds	9,518,285	7,981,346	8,417,124	5,894,157	5,224,489
Service transfers out	7,111,722	4,426,152	4,672,072	2,520,166	3,784,195
Administrative expenses	11,885,804	10,984,550	9,248,916	8,816,943	8,398,164
Total deductions from plan net position	1,049,715,875	1,002,534,589	971,839,742	928,655,535	882,214,402
Change in net position	\$ 240,851,936	\$ 309,378,651	\$ (1,271,515,483)	\$ 1,609,099,547	\$ (5,634,746)
Judicial Plan					
<i>Additions</i>					
Employer contributions	\$ 40,748,235	\$ 39,064,758	\$ 39,228,848	\$ 39,996,509	\$ 39,174,515
Employee contributions	2,029,670	1,746,913	1,550,712	1,448,428	1,314,570
Investment income (net of expenses)	12,647,192	4,165,663	(18,801,946)	44,049,707	8,162,709
Other	3	0	0	0	0
Total additions to plan net position	55,425,100	44,977,334	21,977,614	85,494,644	48,651,794
<i>Deductions</i>					
Benefit payments	48,947,605	45,108,589	42,513,238	41,625,546	39,622,268
Contribution refunds	31,249	0	17,140	0	0
Administrative expenses	99,460	91,076	79,492	75,822	74,450
Total deductions from plan net position	49,078,314	45,199,665	42,609,870	41,701,368	39,696,718
Change in net position	\$ 6,346,786	\$ (222,331)	\$ (20,632,256)	\$ 43,793,276	\$ 8,955,076
Insurance Activities					
<i>Additions</i>					
Premium receipts	\$ 34,621,652	\$ 31,755,533	\$ 29,924,611	\$ 31,609,219	\$ 32,582,558
Investment income	203,253	87,335	4,258	1,869	46,539
Miscellaneous income	480,120	480,120	480,120	480,074	484,075
Total operating revenues	35,305,025	32,322,988	30,408,989	32,091,162	33,113,172
<i>Deductions</i>					
Premium disbursements	34,574,075	31,737,102	29,896,004	31,597,820	32,549,567
Premium refunds	47,577	18,370	28,608	11,401	32,991
Administrative expenses	480,120	480,119	480,122	480,120	480,120
Total deductions from net position	35,101,772	32,235,591	30,404,734	32,089,341	33,062,678
Change in net position	\$ 203,253	\$ 87,397	\$ 4,255	\$ 1,821	\$ 50,494

Changes in Fiduciary Net Position continued on following page

Changes in Fiduciary Net Position (continued)

Last Ten Fiscal Years

	2019	2018	2017	2016	2015
MSEP					
<i>Additions</i>					
Employer contributions	\$ 394,150,042	\$ 379,557,962	\$ 335,217,422	\$ 329,957,369	\$ 329,752,832
Additional state contribution	0	0	0	0	0
Employee contributions	31,286,632	28,303,993	25,439,343	21,684,920	18,099,455
Member service purchases	1,293,774	2,020,720	1,691,046	2,815,749	1,859,005
Service transfers in	2,592,737	3,297,251	3,977,803	2,107,873	3,575,815
Prepaid employer contributions discount	0	0	0	0	0
Investment income (net of expenses)	313,159,178	578,883,501	272,073,643	1,194,422	(237,603,530)
Other	496,898	538,600	522,025	545,847	533,001
Total additions to plan net position	742,979,261	992,602,027	638,921,282	358,306,180	116,216,578
<i>Deductions</i>					
Benefit payments	842,813,907	879,148,738	787,300,328	750,440,412	723,994,041
Contribution refunds	6,006,484	5,502,698	4,820,737	3,798,199	2,479,264
Service transfers out	3,001,189	2,060,037	1,843,792	3,071,892	1,792,495
Administrative expenses	9,200,826	10,024,178	8,759,341	8,489,375	8,077,692
Total deductions from plan net position	861,022,406	896,735,651	802,724,198	765,799,878	736,343,492
Change in net position	\$ (118,043,145)	\$ 95,866,376	\$ (163,802,916)	\$ (407,493,698)	\$ (620,126,914)
Judicial Plan					
<i>Additions</i>					
Employer contributions	\$ 38,604,668	\$ 36,892,203	\$ 34,246,826	\$ 33,642,497	\$ 32,696,686
Employee contributions	1,138,101	902,320	786,745	661,206	488,193
Investment income (net of expenses)	6,051,941	10,727,603	4,671,168	19,273	(3,618,469)
Other	3,895	9,981	8,963	8,808	8,117
Total additions to plan net position	45,798,605	48,532,107	39,713,702	34,331,784	29,574,527
<i>Deductions</i>					
Benefit payments	37,585,484	35,651,489	33,979,837	32,979,706	31,245,906
Contribution refunds	7,565	5,760	4,888	10,008	0
Administrative expenses	72,141	185,763	150,387	136,983	123,015
Total deductions from plan net position	37,665,190	35,843,012	34,135,112	33,126,697	31,368,921
Change in net position	\$ 8,133,415	\$ 12,689,095	\$ 5,578,590	\$ 1,205,087	\$ (1,794,394)
Insurance Activities					
<i>Additions</i>					
Premium receipts	\$ 31,342,778	\$ 31,119,232	\$ 28,779,398	\$ 30,360,162	\$ 30,177,918
Investment income	121,298	79,389	33,984	15,207	9,749
Miscellaneous income	494,722	480,120	480,120	480,120	(519,880)
Total operating revenues	31,958,798	31,678,741	29,293,502	30,855,489	29,667,787
<i>Deductions</i>					
Premium disbursements	31,325,399	31,100,612	28,769,588	30,328,802	30,157,271
Premium refunds	17,379	14,211	9,810	31,360	20,646
Administrative expenses	501,018	526,023	532,169	550,843	516,782
Total deductions from net position	31,843,796	31,640,846	29,311,567	30,911,005	30,694,699
Change in net position	\$ 115,002	\$ 37,895	\$ (18,065)	\$ (55,516)	\$ (1,026,912)

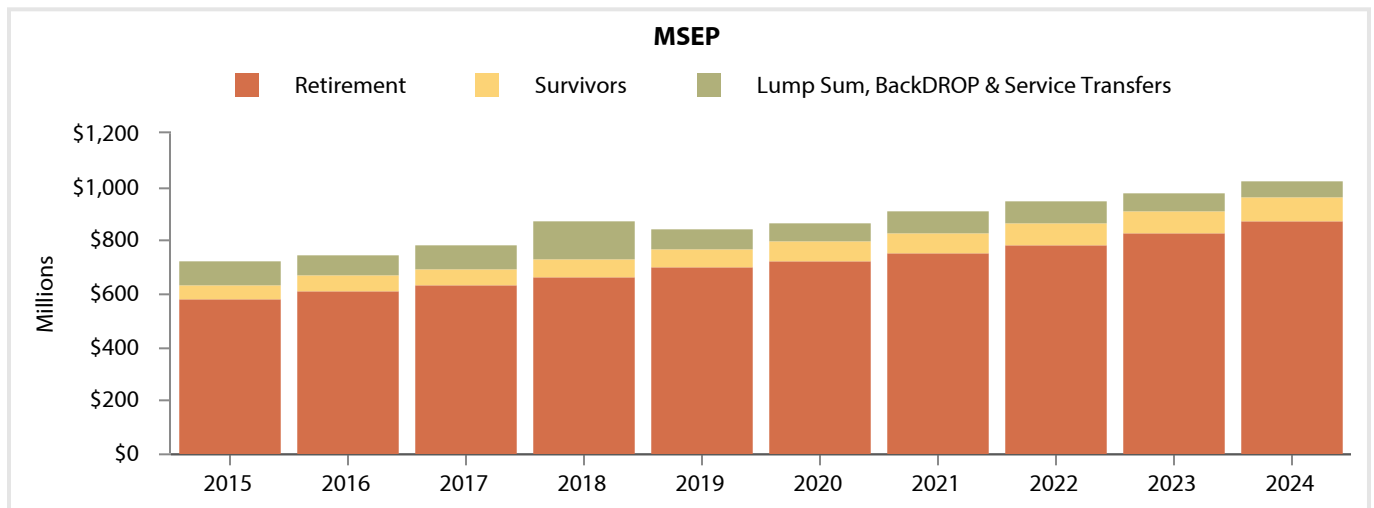
Deductions from Net Position for Benefits and Refunds by Type

Last Ten Fiscal Years

MSEP

Type of benefit	2015	2016	2017	2018	2019
Retirement	\$ 586,597,187	\$ 615,708,229	\$ 640,637,749	\$ 670,663,932	\$ 703,117,097
Survivors	52,940,062	56,495,787	59,628,687	63,081,129	66,493,496
Disability	16,857	15,470	14,821	5,223	2,260
Lump-sum	57,525	267,198	123,005	61,041,258	318,656
BackDROP	84,382,410	77,953,728	86,896,066	84,357,196	72,882,398
Service transfers	1,792,495	3,071,892	1,843,792	2,060,037	3,001,189
Total benefits	\$ 725,786,536	\$ 753,512,304	\$ 789,144,120	\$ 881,208,775	\$ 845,815,096
Refunds - separation of service	\$ 2,435,771	\$ 3,750,757	\$ 4,777,245	\$ 5,396,418	\$ 5,930,152
Refunds - death	43,493	47,442	43,492	106,280	76,332
Total contribution refunds	\$ 2,479,264	\$ 3,798,199	\$ 4,820,737	\$ 5,502,698	\$ 6,006,484

Type of benefit	2020	2021	2022	2023	2024
Retirement	\$ 730,310,371	\$ 757,076,179	\$ 789,168,797	\$ 831,847,718	\$ 879,045,686
Survivors	70,583,387	74,890,437	79,635,271	85,388,069	90,878,853
Disability	2,300	2,328	1,171	0	0
Lump-sum	245,297	92,059	695,778	72,129	173,569
BackDROP	63,666,199	79,363,265	80,000,613	61,834,625	51,101,956
Service transfers	3,784,195	2,520,166	4,672,072	4,426,152	7,111,722
Total benefits	\$ 868,591,749	\$ 913,944,434	\$ 954,173,702	\$ 983,568,693	\$ 1,028,311,786
Refunds - separation of service	\$ 5,143,987	\$ 5,704,491	\$ 8,257,062	\$ 7,687,393	\$ 9,347,217
Refunds - death	80,502	189,666	160,062	293,953	171,068
Total contribution refunds	\$ 5,224,489	\$ 5,894,157	\$ 8,417,124	\$ 7,981,346	\$ 9,518,285



Source: MOSERS' financial records

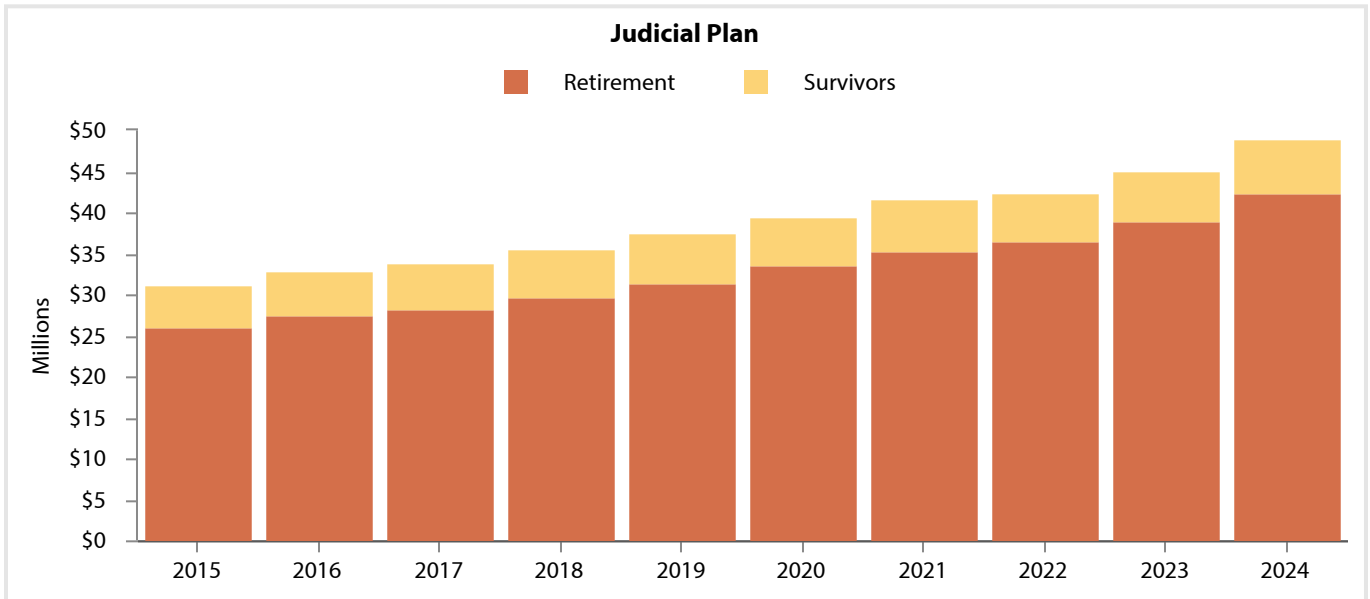
Deductions from Net Position for Benefits and Refunds by Type (continued)

Last Ten Fiscal Years

Judicial Plan

Type of benefit	2015	2016	2017	2018	2019
Retirement	\$ 26,181,505	\$ 27,641,108	\$ 28,304,733	\$ 29,655,995	\$ 31,463,475
Survivors	5,064,400	5,338,598	5,675,104	5,995,494	6,122,009
Total benefits	\$ 31,245,905	\$ 32,979,706	\$ 33,979,837	\$ 35,651,489	\$ 37,585,484
Refunds - separation of service	\$ 0	\$ 10,008	\$ 4,888	\$ 5,760	\$ 7,565
Refunds - death	0	0	0	0	0
Total contribution refunds	\$ 0	\$ 10,008	\$ 4,888	\$ 5,760	\$ 7,565

Type of benefit	2020	2021	2022	2023	2024
Retirement	\$ 33,577,616	\$ 35,487,401	\$ 36,654,586	\$ 38,962,752	\$ 42,466,064
Survivors	6,044,652	6,138,145	5,858,652	6,145,837	6,481,541
Total benefits	\$ 39,622,268	\$ 41,625,546	\$ 42,513,238	\$ 45,108,589	\$ 48,947,605
Refunds - separation of service	\$ 0	\$ 0	\$ 17,140	\$ 0	\$ 0
Refunds - death	0	0	0	0	31,249
Total contribution refunds	\$ 0	\$ 0	\$ 17,140	\$ 0	\$ 31,249



Source: MOSERS' financial records

Pension Trust Funds

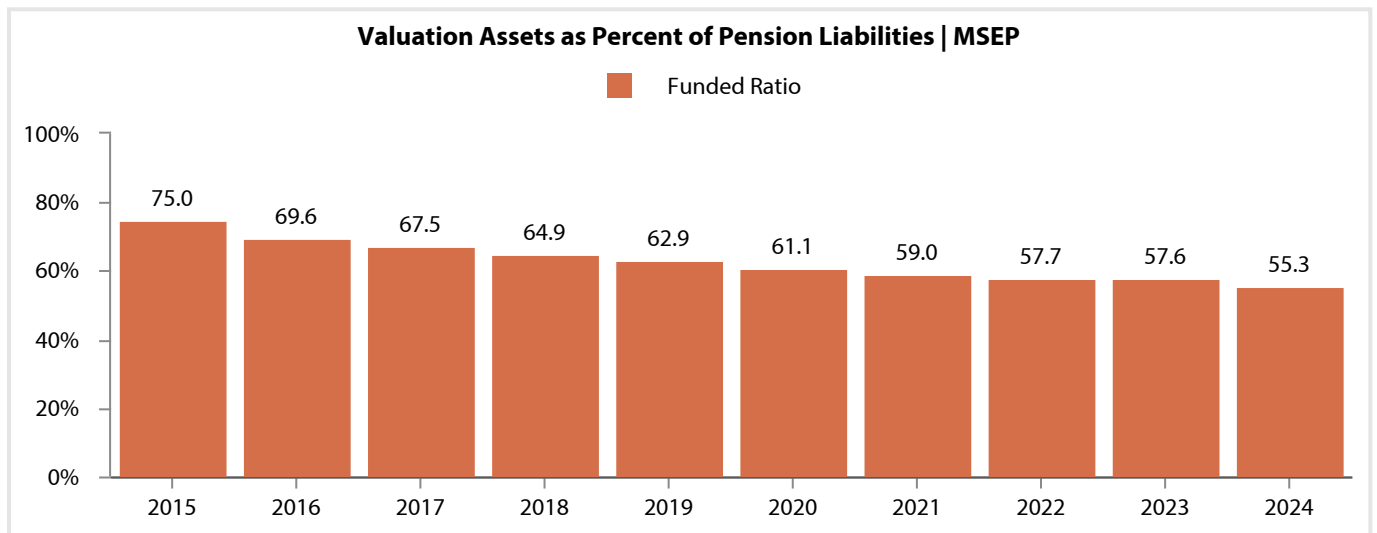
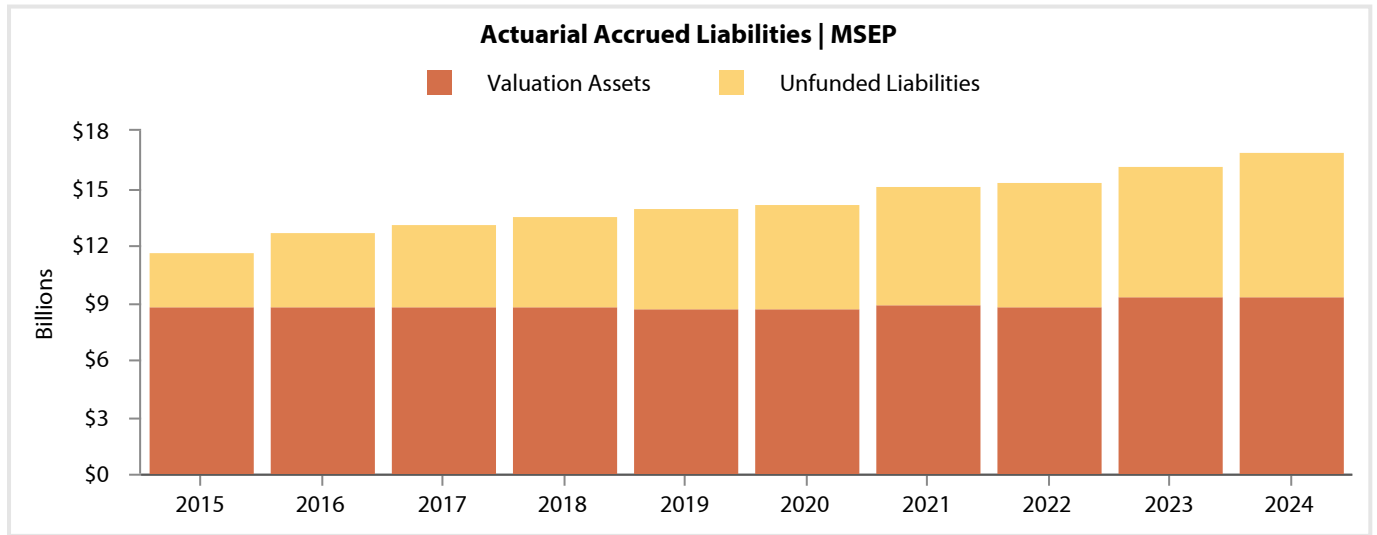
Valuation Assets (Smoothed Fair Value) vs. Pension Liabilities

Last Ten Fiscal Years

MSEP

Dollars in Billions

Fiscal Year	Valuation Assets	Unfunded Liabilities	Accrued Liabilities	Funded Ratio
2015	\$8.7925	\$2.9351	\$11.7276	75.0%
2016	8.8781	3.8731	12.7512	69.6
2017	8.8724	4.2799	13.1523	67.5
2018	8.8304	4.7824	13.6128	64.9
2019	8.7824	5.1752	13.9576	62.9
2020	8.7112	5.5472	14.2584	61.1
2021	8.9093	6.2014	15.1106	59.0
2022	8.8943	6.5147	15.4090	57.7
2023	9.3312	6.8596	16.1908	57.6
2024	9.3558	7.5593	16.9150	55.3



Source: MOSERS' MSEP Actuarial Valuation Reports, most recent 10 years

Pension Trust Funds

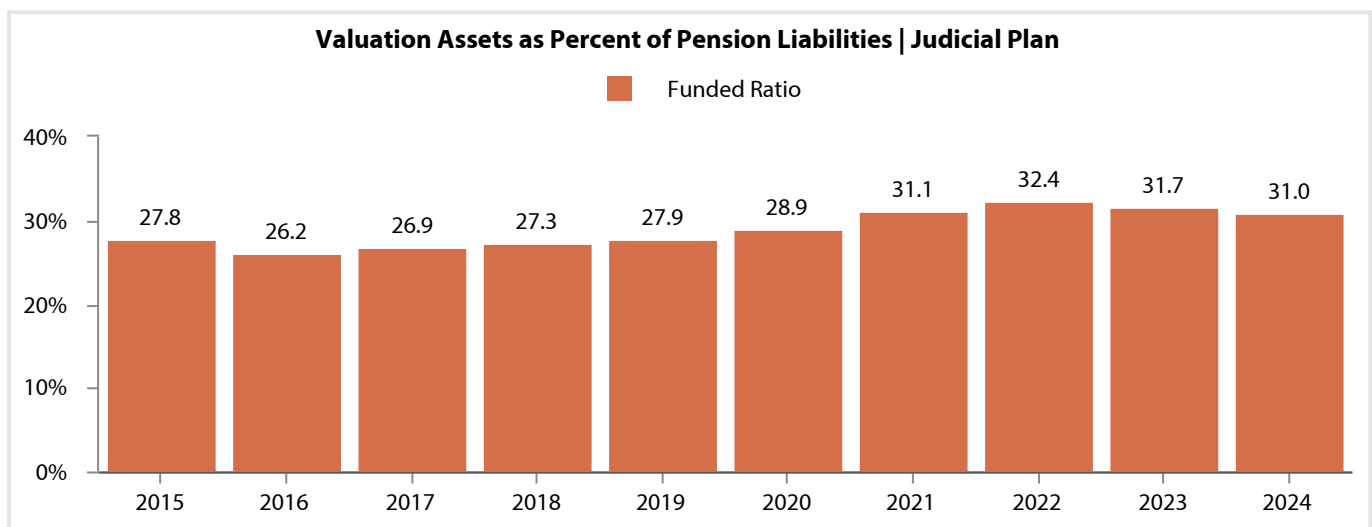
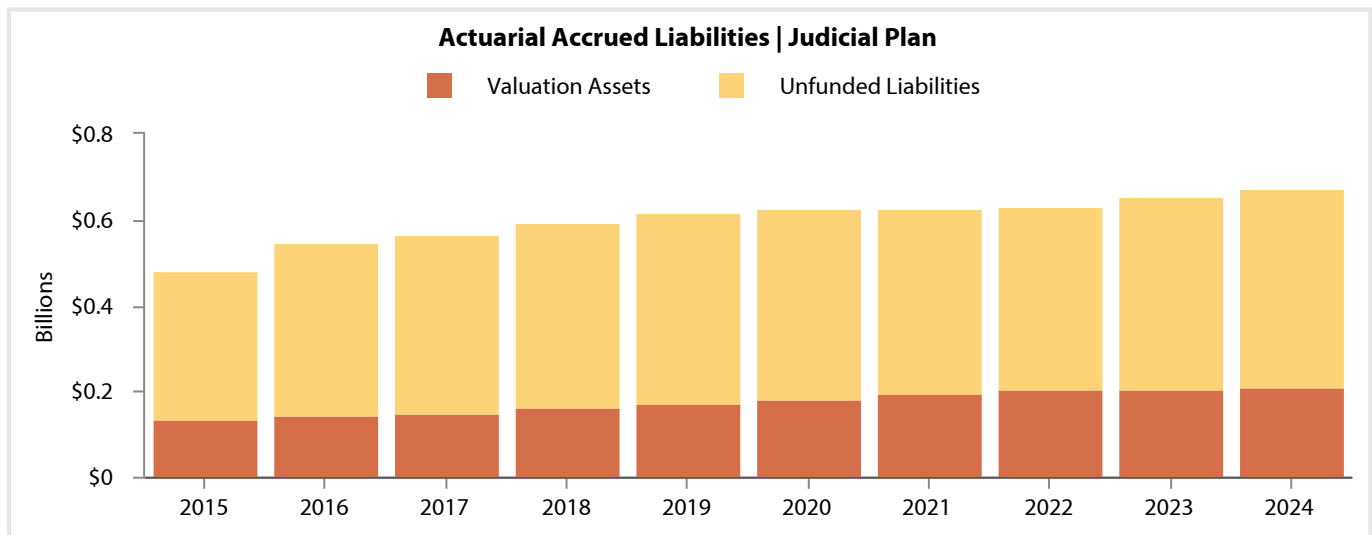
Valuation Assets (Smoothed Fair Value) vs. Pension Liabilities (continued)

Last Ten Fiscal Years

Judicial Plan

Dollars in Billions

Fiscal Year	Valuation Assets	Unfunded Liabilities	Accrued Liabilities	Funded Ratio
2015	\$0.1343	\$0.3486	\$0.4830	27.8%
2016	0.1435	0.4042	0.5476	26.2
2017	0.1518	0.4126	0.5644	26.9
2018	0.1621	0.4317	0.5938	27.3
2019	0.1722	0.4453	0.6175	27.9
2020	0.1807	0.4441	0.6248	28.9
2021	0.1950	0.4313	0.6263	31.1
2022	0.2040	0.4260	0.6300	32.4
2023	0.2071	0.4472	0.6542	31.7
2024	0.2091	0.4659	0.6750	31.0



Source: MOSERS' Judicial Plan Actuarial Valuation Reports, most recent 10 years

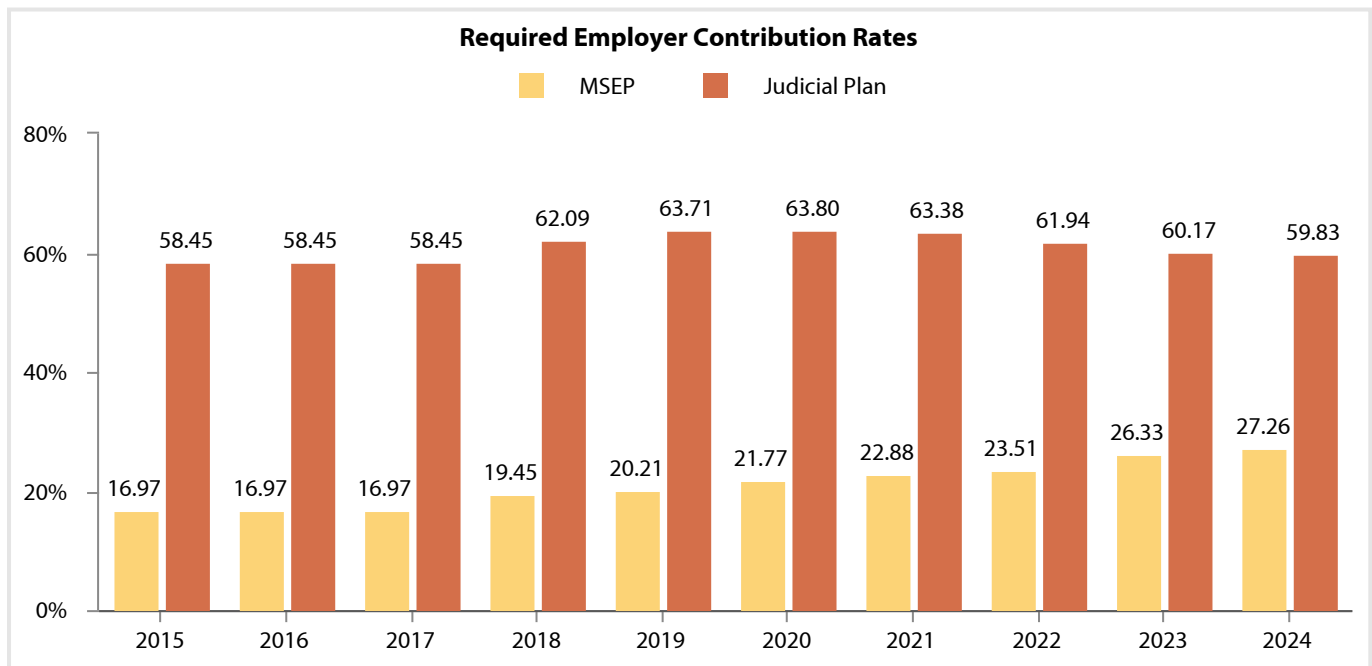
Pension Trust Funds

Required Employer Contribution Rates as a Percent of Payroll

Last Ten Fiscal Years

Fiscal Year	MSEP	Judicial
2015	16.97%	58.45%
2016	16.97	58.45
2017	16.97	58.45
2018	19.45	62.09
2019	20.21	63.71
2020	21.77	63.80
2021	22.88	63.38
2022	23.51	61.94
2023	26.33	60.17
2024	27.26	59.83

Note: In addition to the employer contribution rates, MOSERS also receives a fixed 4% employee contribution from MSEP 2011 and Judicial Plan 2011 members. Beginning in fiscal year 2023, the employers were given the option to prepay contributions at certain times during the year and receive an actuarially determined present value discount based on MOSERS’ investment return assumption. Amounts are before any prepaid discounts.



Source: MOSERS’ MSEP and Judicial Plan Actuarial Valuation Reports, most recent 10 years

Membership in Retirement Plans

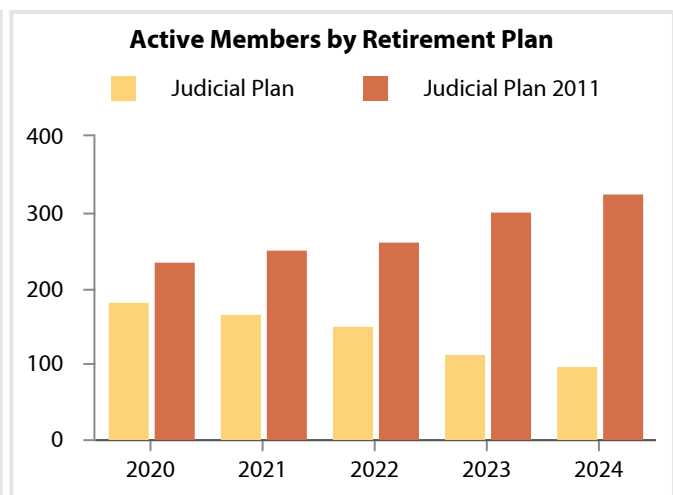
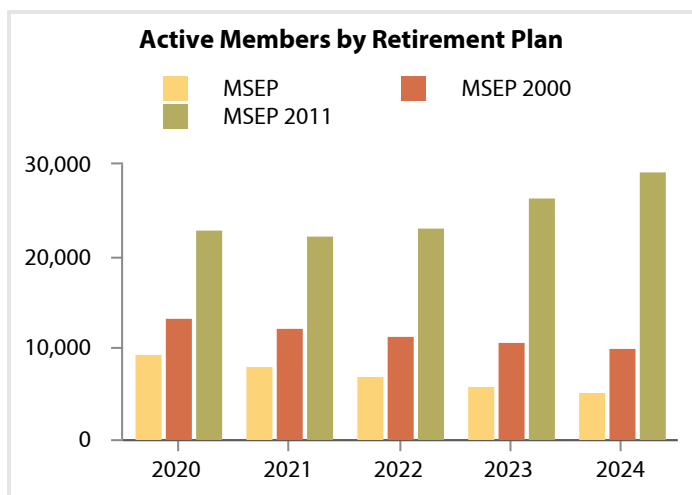
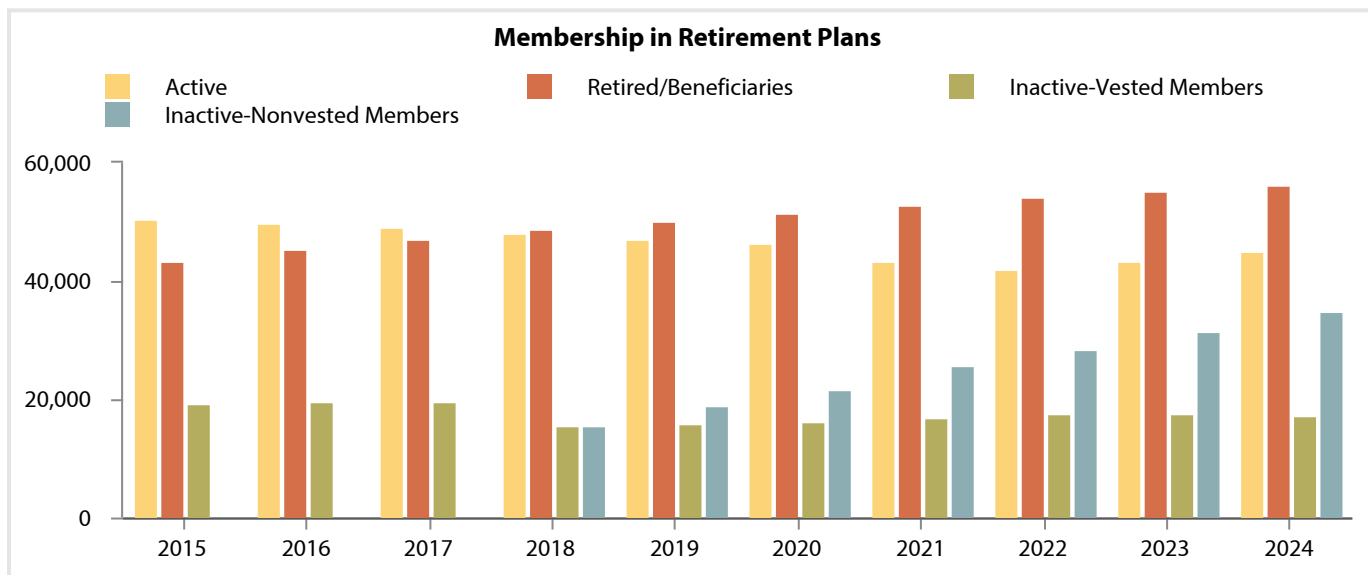
Last Ten Fiscal Years

MSEP & Judicial Plans Combined

Fiscal Year	Active Members	Retirees and Beneficiaries	Inactive-Vested Members*	Inactive-Nonvested Members**	Totals
2015	50,385	43,503	19,319		113,207
2016	49,872	45,368	19,538		114,778
2017	49,320	47,119	19,603		116,042
2018	48,221	48,776	15,502		128,118
2019	47,278	50,281	16,052	18,852	132,463
2020	46,417	51,447	16,335	21,735	135,934
2021	43,247	52,830	16,986	25,613	138,676
2022	42,010	54,244	17,465	28,444	142,163
2023	43,503	55,328	17,683	31,575	148,089
2024	45,104	56,205	17,371	34,969	153,649

* Excludes members on leave of absence and long-term disability.

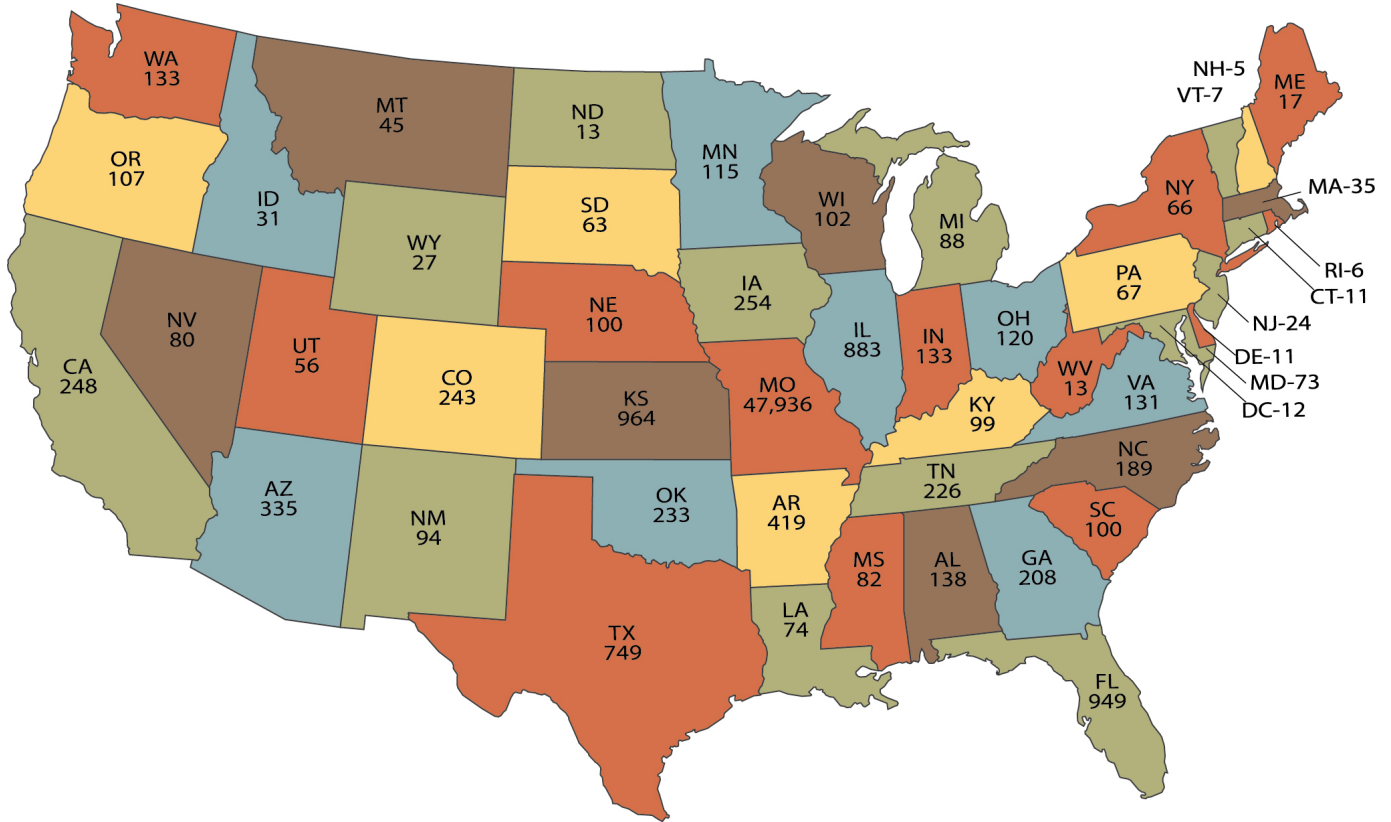
** Inactive-nonvested members of the MSEP 2011 who have not requested a refund of their contributions are now being included in the membership data.



Source: MOSERS' MSEP and Judicial Plan Actuarial Valuation Reports, most recent 10 years

Distribution of Benefit Recipients by Location

June 30, 2024



Benefit Recipients Outside the Continental United States

24 Alaska	1 Ecuador	1 Northern Mariana Islands
13 Hawaii	2 Guam	2 Puerto Rico
3 APO	1 Germany	2 Philippines
1 Argentina	1 Hong Kong	1 Spain
2 Australia	1 Israel	1 Sweden
1 Belgium	3 Italy	1 Switzerland
14 Canada	1 Latvia	2 Thailand
1 Costa Rica	1 Mexico	4 United Kingdom
1 Czech Republic	1 Marshall Islands	5 Virgin Islands

Source: MOSERS' Pension Administration System

Benefit Recipients by Type of Retirement and Option Elected

June 30, 2024

MSEP

Amount of Monthly Benefit	Number of Benefit Recipients	Type of Retirement			
		Normal Retirement	Early Retirement	Survivor of Active	Survivor of Retired
1-500	13,273	5,892	5,503	587	1,291
501-1000	11,335	6,926	2,592	517	1,300
1001-1500	9,660	7,912	723	276	749
1501-2000	7,247	6,454	205	160	428
2001-2500	5,001	4,599	69	76	257
2501-3000	3,187	2,944	39	44	160
3001-3500	2,018	1,848	12	35	123
3501-4000	1,231	1,138	13	15	65
Over 4000	2,627	2,358	9	39	221
Total	55,579	40,071	9,165	1,749	4,594

Amount of Monthly Benefit	Option Elected							
	1	2	3	4	5	6	7	8
1-500	32	545	564	1,627	0	3,060	58	7,387
501-1000	37	309	256	2,370	1	2,515	22	5,825
1001-1500	31	170	119	2,314	0	2,328	3	4,695
1501-2000	17	115	69	1,779	0	1,584	3	3,680
2001-2500	5	61	33	1,285	0	1,135	1	2,481
2501-3000	11	27	14	858	0	769	0	1,508
3001-3500	3	14	9	544	0	547	0	901
3501-4000	1	12	2	334	0	340	0	542
Over 4000	9	18	8	798	0	902	0	892
Total	146	1,271	1,074	11,909	1	13,180	87	27,911

Option Elected

- 1 - Life Income with 60 Guaranteed Payments
- 2 - Life Income with 120 Guaranteed Payments
- 3 - Life Income with 180 Guaranteed Payments
- 4 - Joint & 50% Survivor
- 5 - Joint & 75% Survivor
- 6 - Joint & 100% Survivor
- 7 - Automatic Minor Survivor
- 8 - No Survivor Option (includes pop-ups)

Source: MOSERS' MSEP Plan Actuarial Valuation Report as of June 30, 2024

Benefit Recipients by Type of Retirement and Option Elected (continued)

June 30, 2024

Judicial Plan

Amount of Monthly Benefit	Number of Benefit Recipients	Type of Retirement			
		Normal Retirement	Early Retirement	Survivor of Active	Survivor of Retired
1-500	7	0	3	0	4
501-1000	9	0	7	0	2
1001-1500	8	0	5	1	2
1501-2000	10	0	7	1	2
2001-2500	9	0	4	2	3
2501-3000	17	0	6	3	8
3001-3500	34	0	9	12	13
3501-4000	46	0	10	7	29
Over 4000	486	394	33	7	52
Total	626	394	84	33	115

Amount of Monthly Benefit	Option Elected							
	1	2	3	4	5	6	7	8
1-500	0	0	0	7	0	0	0	0
501-1000	0	0	0	9	0	0	0	0
1001-1500	0	0	0	5	0	1	0	2
1501-2000	0	0	0	10	0	0	0	0
2001-2500	0	0	0	9	0	0	0	0
2501-3000	0	0	0	17	0	0	0	0
3001-3500	0	0	0	28	0	1	1	4
3501-4000	0	0	0	46	0	0	0	0
Over 4000	0	0	1	476	0	3	1	5
Total	0	0	1	607	0	5	2	11

Option Elected

- 1 - Life Income with 60 Guaranteed Payments
- 2 - Life Income with 120 Guaranteed Payments
- 3 - Life Income with 180 Guaranteed Payments
- 4 - Joint & 50% Survivor
- 5 - Joint & 75% Survivor
- 6 - Joint & 100% Survivor
- 7 - Automatic Minor Survivor
- 8 - No Survivor Option (includes pop-ups)

Source: MOSERS' Judicial Plan Actuarial Valuation Report as of June 30, 2024

Benefits Tabulated by Type of Benefit and by Option

June 30, 2024

MSEP Combined

Type of Benefit	Number	Annual Benefits	Average Annual Benefits
Service retirement			
Life income annuity	27,890	\$ 455,706,720	\$ 16,339
Joint & 50% survivor	9,762	226,247,508	23,176
Joint & 100% survivor	9,390	187,598,544	19,979
Life income with 60 guaranteed payments	145	2,641,632	18,218
Life income with 120 guaranteed payments	1,171	13,244,604	11,311
Life income with 180 guaranteed payments	878	8,224,128	9,367
Survivor beneficiary	4,594	70,622,436	15,373
Total	53,830	964,285,572	17,914
Death-in-service	1,749	22,240,860	12,716
Grand totals	55,579	\$ 986,526,432	17,750

Judicial Plan Combined

Type of Benefit	Number	Annual Benefits	Average Annual Benefits
Service retirement			
Life income annuity	7	\$ 453,096	\$ 64,728
Joint & 50% survivor	466	42,316,188	90,807
Joint & 100% survivor	5	234,828	46,966
Survivor beneficiary	115	5,209,608	45,301
Total	593	48,213,720	81,305
Death-in-service	33	1,345,944	40,786
Grand totals	626	\$ 49,559,664	79,169

Source: MOSERS' MSEP and Judicial Plan Actuarial Valuation Reports as of June 30, 2024

Benefits Tabulated by Type of Benefit and by Option (continued)

June 30, 2024

MSEP (Closed Plan)

Type of Benefit	Number	Annual Benefits	Average Annual Benefits
Service retirement			
Life income annuity	5,631	\$ 110,277,516	\$ 19,584
Unreduced joint & 50% survivor	4,776	117,138,744	24,527
Joint & 100% survivor	3,056	81,508,188	26,672
Life income with 60 guaranteed payments	134	2,458,836	18,350
Life income with 120 guaranteed payments	170	2,457,528	14,456
Survivor beneficiary	2,755	49,942,092	18,128
Total	16,522	363,782,904	22,018
Death-in-service	1,311	19,365,948	14,772
Grand totals	17,833	\$ 383,148,852	21,485

MSEP 2000

Type of Benefit	Number	Annual Benefits	Average Annual Benefits
Service retirement			
Life income annuity	21,746	\$ 342,814,092	\$ 15,764
Joint & 50% survivor	4,917	108,755,124	22,118
Joint & 100% survivor	6,144	105,144,456	17,113
Life income with 60 guaranteed payments	11	182,796	16,618
Life income with 120 guaranteed payments	969	10,624,344	10,964
Life income with 180 guaranteed payments	834	8,030,976	9,629
Survivor beneficiary	1,827	20,638,584	11,296
Total	36,448	596,190,372	16,357
Death-in-service	392	2,650,500	6,761
Grand totals	36,840	\$ 598,840,872	16,255

MSEP 2011

Type of Benefit	Number	Annual Benefits	Average Annual Benefits
Service retirement			
Life income annuity	513	\$ 2,615,112	\$ 5,098
Joint & 50% survivor	69	353,640	5,125
Joint & 100% survivor	190	945,900	4,978
Life income with 120 guaranteed payments	32	162,732	5,085
Life income with 180 guaranteed payments	44	193,152	4,390
Survivor beneficiary	12	41,760	3,480
Total	860	4,312,296	5,014
Death-in-service	46	224,412	4,879
Grand totals	906	\$ 4,536,708	5,007

Benefits Tabulated by Type of Benefit and by Option (continued)

June 30, 2024

Judicial Plan

Type of Benefit	Number	Annual Benefits	Average Annual Benefits
Service retirement			
Life income annuity	2	\$ 185,652	\$ 92,826
Joint & 50% survivor	462	42,110,004	91,147
Survivor beneficiary	114	5,139,276	45,081
Total	578	47,434,932	82,067
Death-in-service	29	1,200,624	41,401
Grand totals	607	\$ 48,635,556	80,124

Judicial Plan 2011

Type of Benefit	Number	Annual Benefits	Average Annual Benefits
Service retirement			
Life income annuity	5	\$ 267,444	\$ 53,489
Joint & 50% survivor	4	206,184	51,546
Joint & 100% survivor	5	234,828	46,966
Survivor beneficiary	1	70,332	70,332
Total	15	778,788	51,919
Death-in-service	4	145,320	36,330
Grand totals	19	\$ 924,108	48,637

Source: MOSERS' MSEP and Judicial Plan Actuarial Valuation Reports as of June 30, 2024

Average Monthly Benefit Amounts

Last Ten Fiscal Years

MSEP

Members Retiring During Fiscal Year		Years Credited Service by Category							All Members
		<5	5-10	11-15	16-20	21-25	26-30	31+	
2015	Average monthly benefit	\$ 219	\$ 315	\$ 522	\$ 801	\$ 1,268	\$ 1,723	\$ 2,217	\$ 999
	Average final salary	\$ 5,058	\$ 2,596	\$ 2,624	\$ 2,954	\$ 3,416	\$ 3,729	\$ 4,016	\$ 3,119
	Number of retirees	6	644	519	437	450	487	250	2,793
2016	Average monthly benefit	\$ 151	\$ 307	\$ 506	\$ 819	\$ 1,300	\$ 1,838	\$ 2,360	\$ 1,016
	Average final salary	\$ 3,284	\$ 2,623	\$ 2,600	\$ 3,020	\$ 3,445	\$ 3,968	\$ 4,204	\$ 3,175
	Number of retirees	6	611	502	430	505	423	215	2,692
2017	Average monthly benefit	\$ 309	\$ 339	\$ 562	\$ 946	\$ 1,365	\$ 1,860	\$ 2,391	\$ 1,116
	Average final salary	\$ 4,658	\$ 2,731	\$ 2,849	\$ 3,426	\$ 3,641	\$ 4,030	\$ 4,291	\$ 3,406
	Number of retirees	9	518	508	459	440	477	239	2,650
2018	Average monthly benefit	\$ 402	\$ 338	\$ 584	\$ 922	\$ 1,420	\$ 1,887	\$ 2,511	\$ 1,148
	Average final salary	\$ 5,977	\$ 2,815	\$ 2,899	\$ 3,323	\$ 3,802	\$ 4,096	\$ 4,538	\$ 3,488
	Number of retirees	7	523	475	486	520	515	208	2,734
2019	Average monthly benefit	\$ 198	\$ 369	\$ 609	\$ 886	\$ 1,356	\$ 1,840	\$ 2,321	\$ 1,131
	Average final salary	\$ 5,081	\$ 2,907	\$ 2,900	\$ 3,076	\$ 3,637	\$ 3,978	\$ 4,206	\$ 3,390
	Number of retirees	3	484	388	409	456	428	225	2,393
2020	Average monthly benefit	\$ 270	\$ 321	\$ 602	\$ 901	\$ 1,375	\$ 1,822	\$ 2,391	\$ 1,110
	Average final salary	\$ 5,379	\$ 2,677	\$ 3,012	\$ 3,149	\$ 3,707	\$ 3,967	\$ 4,329	\$ 3,390
	Number of retirees	8	475	378	378	447	441	172	2,299
2021	Average monthly benefit	\$ 526	\$ 353	\$ 624	\$ 966	\$ 1,420	\$ 1,952	\$ 2,554	\$ 1,195
	Average final salary	\$ 5,705	\$ 2,763	\$ 3,054	\$ 3,337	\$ 3,798	\$ 4,257	\$ 4,651	\$ 3,561
	Number of retirees	9	481	456	390	568	464	207	2,575
2022	Average monthly benefit	\$ 330	\$ 332	\$ 630	\$ 987	\$ 1,418	\$ 1,934	\$ 2,556	\$ 1,197
	Average final salary	\$ 5,506	\$ 2,822	\$ 3,123	\$ 3,448	\$ 3,772	\$ 4,201	\$ 4,634	\$ 3,584
	Number of retirees	7	576	414	398	579	532	222	2,728
2023	Average monthly benefit	\$ 415	\$ 321	\$ 602	\$ 983	\$ 1,340	\$ 1,970	\$ 2,545	\$ 1,150
	Average final salary	\$ 7,077	\$ 2,857	\$ 3,157	\$ 3,648	\$ 3,773	\$ 4,481	\$ 4,838	\$ 3,679
	Number of retirees	9	527	395	357	485	447	187	2,407
2024	Average monthly benefit	\$ 330	\$ 318	\$ 599	\$ 973	\$ 1,470	\$ 1,999	\$ 2,550	\$ 1,164
	Average final salary	\$ 5,898	\$ 2,875	\$ 3,201	\$ 3,615	\$ 4,100	\$ 4,551	\$ 4,883	\$ 3,748
	Number of retirees	9	514	352	314	389	424	165	2,167
Ten Years Ended June 30, 2024									
	Average monthly benefit	\$ 333	\$ 330	\$ 580	\$ 915	\$ 1,374	\$ 1,882	\$ 2,431	\$ 1,121
	Average final average salary	\$ 5,462	\$ 2,761	\$ 2,921	\$ 3,286	\$ 3,707	\$ 4,123	\$ 4,435	\$ 3,446
	Number of retirees	73	5,353	4,387	4,058	4,839	4,638	2,090	25,438

Note: COLA increases and temporary benefits payable under MSEP 2000 until age 62 are excluded from the above for comparison purposes.

Source: FY23 and later from MOSERS' MSEP Actuarial Valuation Report; prior to FY23 from MOSERS' Pension Administration System

Average Monthly Benefit Amounts (continued)

Last Ten Fiscal Years

General Employees in the MSEP*

Members Retiring During Fiscal Year		Years Credited Service by Category							All Members
		<5	5-10	11-15	16-20	21-25	26-30	31+	
2015	Average monthly benefit	\$ 219	\$ 301	\$ 517	\$ 786	\$ 1,268	\$ 1,723	\$ 2,208	\$ 994
	Average final salary	\$ 5,058	\$ 2,581	\$ 2,623	\$ 2,947	\$ 3,416	\$ 3,729	\$ 4,007	\$ 3,116
	Number of retirees	6	633	517	433	450	487	249	2,775
2016	Average monthly benefit	\$ 151	\$ 297	\$ 506	\$ 819	\$ 1,285	\$ 1,838	\$ 2,343	\$ 1,011
	Average final salary	\$ 3,284	\$ 2,617	\$ 2,600	\$ 3,020	\$ 3,420	\$ 3,968	\$ 4,184	\$ 3,168
	Number of retirees	6	603	502	430	502	423	213	2,679
2017	Average monthly benefit	\$ 230	\$ 313	\$ 551	\$ 934	\$ 1,355	\$ 1,853	\$ 2,379	\$ 1,109
	Average final salary	\$ 5,026	\$ 2,710	\$ 2,839	\$ 3,414	\$ 3,624	\$ 4,016	\$ 4,265	\$ 3,395
	Number of retirees	6	500	504	456	439	476	238	2,619
2018	Average monthly benefit	\$ 220	\$ 329	\$ 577	\$ 921	\$ 1,397	\$ 1,887	\$ 2,511	\$ 1,142
	Average final salary	\$ 5,477	\$ 2,813	\$ 2,889	\$ 3,321	\$ 3,762	\$ 4,096	\$ 4,538	\$ 3,477
	Number of retirees	6	517	474	485	517	515	208	2,722
2019	Average monthly benefit	\$ 198	\$ 340	\$ 594	\$ 868	\$ 1,345	\$ 1,840	\$ 2,321	\$ 1,126
	Average final salary	\$ 5,081	\$ 2,903	\$ 2,885	\$ 3,077	\$ 3,624	\$ 3,978	\$ 4,206	\$ 3,390
	Number of retirees	3	463	384	403	454	428	225	2,360
2020	Average monthly benefit	\$ 237	\$ 307	\$ 597	\$ 901	\$ 1,360	\$ 1,814	\$ 2,391	\$ 1,105
	Average final salary	\$ 5,720	\$ 2,658	\$ 3,012	\$ 3,149	\$ 3,682	\$ 3,952	\$ 4,329	\$ 3,381
	Number of retirees	7	468	376	378	445	440	172	2,286
2021	Average monthly benefit	\$ 467	\$ 319	\$ 616	\$ 958	\$ 1,413	\$ 1,946	\$ 2,542	\$ 1,191
	Average final salary	\$ 5,797	\$ 2,747	\$ 3,055	\$ 3,340	\$ 3,787	\$ 4,245	\$ 4,636	\$ 3,560
	Number of retirees	8	457	452	387	567	463	206	2,540
2022	Average monthly benefit	\$ 300	\$ 326	\$ 627	\$ 987	\$ 1,418	\$ 1,928	\$ 2,556	\$ 1,196
	Average final salary	\$ 5,912	\$ 2,820	\$ 3,123	\$ 3,448	\$ 3,772	\$ 4,189	\$ 4,634	\$ 3,583
	Number of retirees	6	571	413	398	579	531	222	2,720
2023	Average monthly benefit	\$ 313	\$ 302	\$ 575	\$ 976	\$ 1,340	\$ 1,970	\$ 2,545	\$ 1,148
	Average final salary	\$ 7,534	\$ 2,840	\$ 3,146	\$ 3,651	\$ 3,773	\$ 4,481	\$ 4,838	\$ 3,679
	Number of retirees	7	514	386	355	485	447	187	2,381
2024	Average monthly benefit	\$ 344	\$ 302	\$ 586	\$ 964	\$ 1,466	\$ 1,999	\$ 2,531	\$ 1,159
	Average final salary	\$ 6,536	\$ 2,854	\$ 3,189	\$ 3,601	\$ 4,096	\$ 4,551	\$ 4,845	\$ 3,740
	Number of retirees	7	506	349	313	388	424	164	2,151
Ten Years Ended June 30, 2024									
	Average monthly benefit	\$ 279	\$ 313	\$ 571	\$ 908	\$ 1,365	\$ 1,879	\$ 2,425	\$ 1,116
	Average final average salary	\$ 5,624	\$ 2,748	\$ 2,915	\$ 3,284	\$ 3,693	\$ 4,117	\$ 4,425	\$ 3,440
	Number of retirees	62	5,232	4,357	4,038	4,826	4,634	2,084	25,233

* Excludes legislators, elected officials, water patrol, and administrative law judges.

Note: COLA increases and temporary benefits payable under MSEP 2000 until age 62 are excluded from the above for comparison purposes.

Source: FY23 and later from MOSERS' MSEP Actuarial Valuation Report; prior to FY23 from MOSERS' Pension Administration System

Average Monthly Benefit Amounts (continued)

Last Ten Fiscal Years

Legislators in the MSEP

Members Retiring During Fiscal Year		Years Credited Service by Category							All Members
		<5	5-10	11-15	16-20	21-25	26-30	31+	
2015	Average monthly benefit	\$ 0	\$ 977	\$ 1,735	\$ 2,162	\$ 0	\$ 0	\$ 0	\$ 1,315
	Average final salary	\$ 0	\$ 2,993	\$ 2,993	\$ 2,993	\$ 0	\$ 0	\$ 0	\$ 2,993
	Number of retirees	0	10	2	3	0	0	0	15
2016	Average monthly benefit	\$ 0	\$ 1,048	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 1,048
	Average final salary	\$ 0	\$ 2,993	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 2,993
	Number of retirees	0	7	0	0	0	0	0	7
2017	Average monthly benefit	\$ 499	\$ 954	\$ 1,580	\$ 1,995	\$ 0	\$ 0	\$ 0	\$ 1,041
	Average final salary	\$ 2,993	\$ 2,993	\$ 2,993	\$ 2,993	\$ 0	\$ 0	\$ 0	\$ 2,993
	Number of retirees	2	17	3	1	0	0	0	23
2018	Average monthly benefit	\$ 0	\$ 1,122	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 1,122
	Average final salary	\$ 0	\$ 2,993	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 2,993
	Number of retirees	0	6	0	0	0	0	0	6
2019	Average monthly benefit	\$ 0	\$ 1,017	\$ 1,496	\$ 2,117	\$ 2,744	\$ 0	\$ 0	\$ 1,327
	Average final salary	\$ 0	\$ 2,993	\$ 2,993	\$ 2,993	\$ 2,993	\$ 0	\$ 0	\$ 2,993
	Number of retirees	0	21	2	6	1	0	0	30
2020	Average monthly benefit	\$ 499	\$ 956	\$ 1,621	\$ 0	\$ 0	\$ 0	\$ 0	\$ 1,053
	Average final salary	\$ 2,993	\$ 2,993	\$ 2,993	\$ 0	\$ 0	\$ 0	\$ 0	\$ 2,993
	Number of retirees	1	6	2	0	0	0	0	9
2021	Average monthly benefit	\$ 0	\$ 984	\$ 1,507	\$ 1,995	\$ 0	\$ 0	\$ 0	\$ 1,155
	Average final salary	\$ 0	\$ 2,993	\$ 2,993	\$ 2,993	\$ 0	\$ 0	\$ 0	\$ 2,993
	Number of retirees	0	23	4	3	0	0	0	30
2022	Average monthly benefit	\$ 511	\$ 964	\$ 1,864	\$ 0	\$ 0	\$ 0	\$ 0	\$ 1,028
	Average final salary	\$ 3,068	\$ 3,068	\$ 3,068	\$ 0	\$ 0	\$ 0	\$ 0	\$ 3,068
	Number of retirees	1	5	1	0	0	0	0	7
2023	Average monthly benefit	\$ 511	\$ 900	\$ 1,487	\$ 2,314	\$ 0	\$ 0	\$ 0	\$ 1,224
	Average final salary	\$ 3,142	\$ 3,142	\$ 3,142	\$ 3,142	\$ 0	\$ 0	\$ 0	\$ 3,142
	Number of retirees	1	11	8	2	0	0	0	22
2024	Average monthly benefit	\$ 447	\$ 960	\$ 1,565	\$ 0	\$ 0	\$ 0	\$ 0	\$ 1,047
	Average final salary	\$ 3,272	\$ 3,272	\$ 3,272	\$ 0	\$ 0	\$ 0	\$ 0	\$ 3,272
	Number of retirees	1	5	2	0	0	0	0	8
Ten Years Ended June 30, 2024									
Average monthly benefit		\$ 494	\$ 985	\$ 1,557	\$ 2,120	\$ 2,744	\$ 0	\$ 0	\$ 1,173
Average final average salary		\$ 3,077	\$ 3,024	\$ 3,069	\$ 3,013	\$ 2,993	\$ 0	\$ 0	\$ 3,031
Number of retirees		6	111	24	15	1	0	0	157

Note: COLA increases are excluded from the above for comparison purposes.

Source: FY23 and later from MOSERS' MSEP Actuarial Valuation Report; prior to FY23 from MOSERS' Pension Administration System

Average Monthly Benefit Amounts (continued)

Last Ten Fiscal Years

Elected Officials in the MSEP

Members Retiring During Fiscal Year		Years Credited Service by Category							All Members
		<5	5-10	11-15	16-20	21-25	26-30	31+	
2015	Average monthly benefit	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
	Average final salary	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
	Number of retirees	0	0	0	0	0	0	0	0
2016	Average monthly benefit	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
	Average final salary	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
	Number of retirees	0	0	0	0	0	0	0	0
2017	Average monthly benefit	\$ 0	\$ 2,993	\$ 3,099	\$ 0	\$ 5,576	\$ 0	\$ 0	\$ 3,889
	Average final salary	\$ 0	\$ 8,979	\$ 7,207	\$ 0	\$ 11,152	\$ 0	\$ 0	\$ 9,113
	Number of retirees	0	1	1	0	1	0	0	3
2018	Average monthly benefit	\$ 1,496	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 1,496
	Average final salary	\$ 8,979	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 8,979
	Number of retirees	1	0	0	0	0	0	0	1
2019	Average monthly benefit	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
	Average final salary	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
	Number of retirees	0	0	0	0	0	0	0	0
2020	Average monthly benefit	\$ 0	\$ 3,234	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 3,234
	Average final salary	\$ 0	\$ 9,703	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 9,703
	Number of retirees	0	1	0	0	0	0	0	1
2021	Average monthly benefit	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
	Average final salary	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
	Number of retirees	0	0	0	0	0	0	0	0
2022	Average monthly benefit	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
	Average final salary	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
	Number of retirees	0	0	0	0	0	0	0	0
2023	Average monthly benefit	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
	Average final salary	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
	Number of retirees	0	0	0	0	0	0	0	0
2024	Average monthly benefit	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
	Average final salary	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
	Number of retirees	0	0	0	0	0	0	0	0
Ten Years Ended June 30, 2024									
Average monthly benefit		\$ 1,496	\$ 3,114	\$ 3,099	\$ 0	\$ 5,576	\$ 0	\$ 0	\$ 3,279
Average final average salary		\$ 8,979	\$ 9,341	\$ 7,207	\$ 0	\$ 11,152	\$ 0	\$ 0	\$ 9,204
Number of retirees		1	2	1	0	1	0	0	5

Note: COLA increases are excluded from the above for comparison purposes.

Source: FY23 and later from MOSERS' MSEP Actuarial Valuation Report; prior to FY23 from MOSERS' Pension Administration System

Average Monthly Benefit Amounts (continued)

Last Ten Fiscal Years

Uniformed Water Patrol in the MSEP

Members Retiring During Fiscal Year		Years Credited Service by Category							All Members
		<5	5-10	11-15	16-20	21-25	26-30	31+	
2015	Average monthly benefit	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 4,539	\$ 4,539
	Average final salary	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 6,321	\$ 6,321
	Number of retirees	0	0	0	0	0	0	1	1
2016	Average monthly benefit	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 4,221	\$ 4,221
	Average final salary	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 6,375	\$ 6,375
	Number of retirees	0	0	0	0	0	0	2	2
2017	Average monthly benefit	\$ 0	\$ 0	\$ 0	\$ 1,079	\$ 0	\$ 0	\$ 0	\$ 1,079
	Average final salary	\$ 0	\$ 0	\$ 0	\$ 2,846	\$ 0	\$ 0	\$ 0	\$ 2,846
	Number of retirees	0	0	0	1	0	0	0	1
2018	Average monthly benefit	\$ 0	\$ 0	\$ 0	\$ 1,492	\$ 0	\$ 0	\$ 0	\$ 1,492
	Average final salary	\$ 0	\$ 0	\$ 0	\$ 4,347	\$ 0	\$ 0	\$ 0	\$ 4,347
	Number of retirees	0	0	0	1	0	0	0	1
2019	Average monthly benefit	\$ 0	\$ 0	\$ 671	\$ 0	\$ 0	\$ 0	\$ 0	\$ 671
	Average final salary	\$ 0	\$ 0	\$ 2,659	\$ 0	\$ 0	\$ 0	\$ 0	\$ 2,659
	Number of retirees	0	0	1	0	0	0	0	1
2020	Average monthly benefit	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
	Average final salary	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
	Number of retirees	0	0	0	0	0	0	0	0
2021	Average monthly benefit	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 5,026	\$ 5,026
	Average final salary	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 7,809	\$ 7,809
	Number of retirees	0	0	0	0	0	0	1	1
2022	Average monthly benefit	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
	Average final salary	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
	Number of retirees	0	0	0	0	0	0	0	0
2023	Average monthly benefit	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
	Average final salary	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
	Number of retirees	0	0	0	0	0	0	0	0
2024	Average monthly benefit	\$ 0	\$ 0	\$ 0	\$ 0	\$ 2,927	\$ 0	\$ 0	\$ 2,927
	Average final salary	\$ 0	\$ 0	\$ 0	\$ 0	\$ 5,716	\$ 0	\$ 0	\$ 5,716
	Number of retirees	0	0	0	0	1	0	0	1
Ten Years Ended June 30, 2024									
	Average monthly benefit	\$ 0	\$ 0	\$ 671	\$ 1,286	\$ 2,927	\$ 0	\$ 4,502	\$ 3,022
	Average final average salary	\$ 0	\$ 0	\$ 2,659	\$ 7,193	\$ 5,716	\$ 0	\$ 26,880	\$ 37,447
	Number of retirees	0	0	1	2	1	0	4	8

Note: COLA increases and temporary benefits payable under MSEP 2000 until age 62 are excluded from the above for comparison purposes.

Source: FY23 and later from MOSERS' MSEP Actuarial Valuation Report; prior to FY23 from MOSERS' Pension Administration System

Average Monthly Benefit Amounts (continued)

Last Ten Fiscal Years

Administrative Law Judges and Legal Advisors in the MSEP

Members Retiring During Fiscal Year		Years Credited Service by Category							All Members
		<5	5-10	11-15	16-20	21-25	26-30	31+	
2015	Average monthly benefit	\$ 0	\$ 2,259	\$ 0	\$ 3,012	\$ 0	\$ 0	\$ 0	\$ 2,636
	Average final salary	\$ 0	\$ 7,936	\$ 0	\$ 6,023	\$ 0	\$ 0	\$ 0	\$ 6,980
	Number of retirees	0	1	0	1	0	0	0	2
2016	Average monthly benefit	\$ 0	\$ 853	\$ 0	\$ 0	\$ 3,811	\$ 0	\$ 0	\$ 3,072
	Average final salary	\$ 0	\$ 3,508	\$ 0	\$ 0	\$ 7,623	\$ 0	\$ 0	\$ 6,594
	Number of retirees	0	1	0	0	3	0	0	4
2017	Average monthly benefit	\$ 401	\$ 0	\$ 0	\$ 5,065	\$ 0	\$ 5,298	\$ 5,273	\$ 4,009
	Average final salary	\$ 5,777	\$ 0	\$ 0	\$ 10,129	\$ 0	\$ 10,596	\$ 10,546	\$ 9,262
	Number of retirees	1	0	0	1	0	1	1	4
2018	Average monthly benefit	\$ 0	\$ 0	\$ 3,860	\$ 0	\$ 5,313	\$ 0	\$ 0	\$ 4,950
	Average final salary	\$ 0	\$ 0	\$ 7,720	\$ 0	\$ 10,625	\$ 0	\$ 0	\$ 9,899
	Number of retirees	0	0	1	0	3	0	0	4
2019	Average monthly benefit	\$ 0	\$ 0	\$ 4,353	\$ 0	\$ 5,115	\$ 0	\$ 0	\$ 4,734
	Average final salary	\$ 0	\$ 0	\$ 8,707	\$ 0	\$ 10,230	\$ 0	\$ 0	\$ 9,469
	Number of retirees	0	0	1	0	1	0	0	2
2020	Average monthly benefit	\$ 0	\$ 0	\$ 0	\$ 0	\$ 4,630	\$ 5,323	\$ 0	\$ 4,861
	Average final salary	\$ 0	\$ 0	\$ 0	\$ 0	\$ 9,260	\$ 10,647	\$ 0	\$ 9,722
	Number of retirees	0	0	0	0	2	1	0	3
2021	Average monthly benefit	\$ 1,001	\$ 1,559	\$ 0	\$ 0	\$ 5,115	\$ 4,926	\$ 0	\$ 3,150
	Average final salary	\$ 4,969	\$ 4,828	\$ 0	\$ 0	\$ 10,230	\$ 9,851	\$ 0	\$ 7,470
	Number of retirees	1	1	0	0	1	1	0	4
2022	Average monthly benefit	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 5,323	\$ 0	\$ 5,323
	Average final salary	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 10,647	\$ 0	\$ 10,647
	Number of retirees	0	0	0	0	0	1	0	1
2023	Average monthly benefit	\$ 1,030	\$ 1,913	\$ 3,750	\$ 0	\$ 0	\$ 0	\$ 0	\$ 2,152
	Average final salary	\$ 7,808	\$ 5,708	\$ 7,500	\$ 0	\$ 0	\$ 0	\$ 0	\$ 6,681
	Number of retirees	1	2	1	0	0	0	0	4
2024	Average monthly benefit	\$ 113	\$ 1,995	\$ 3,075	\$ 3,878	\$ 0	\$ 0	\$ 5,553	\$ 2,658
	Average final salary	\$ 4,058	\$ 5,784	\$ 7,200	\$ 7,756	\$ 0	\$ 0	\$ 11,105	\$ 6,782
	Number of retirees	1	3	1	1	0	0	1	7
Ten Years Ended June 30, 2024									
Average monthly benefit		\$ 636	\$ 1,810	\$ 3,760	\$ 3,985	\$ 4,686	\$ 5,218	\$ 5,413	\$ 3,502
Average final average salary		\$ 5,653	\$ 5,630	\$ 7,782	\$ 7,969	\$ 9,372	\$ 10,435	\$ 10,826	\$ 7,995
Number of retirees		4	8	4	3	10	4	2	35

Note: COLA increases are excluded from the above for comparison purposes.

Source: FY23 and later from MOSERS' MSEP Actuarial Valuation Report; prior to FY23 from MOSERS' Pension Administration System

Average Monthly Benefit Amounts (continued)

Last Ten Fiscal Years

Judicial Plan

Members Retiring During Fiscal Year		Years Credited Service by Category							All Members
		<5	5-10	11-15	16-20	21-25	26-30	31+	
2015	Average monthly benefit	\$ 1,114	\$ 3,140	\$ 5,572	\$ 5,572	\$ 5,970	\$ 5,572	\$ 5,848	\$ 5,392
	Average final salary	\$ 11,143	\$ 9,419	\$ 11,143	\$ 11,143	\$ 11,940	\$ 11,143	\$ 11,697	\$ 11,253
	Number of retirees	1	3	7	10	7	4	7	39
2016	Average monthly benefit	\$ 0	\$ 4,193	\$ 5,575	\$ 5,452	\$ 6,166	\$ 5,844	\$ 0	\$ 5,545
	Average final salary	\$ 0	\$ 11,688	\$ 11,503	\$ 10,903	\$ 12,332	\$ 11,688	\$ 0	\$ 11,569
	Number of retirees	0	2	3	5	4	2	0	16
2017	Average monthly benefit	\$ 602	\$ 4,487	\$ 5,506	\$ 6,054	\$ 5,878	\$ 6,178	\$ 5,931	\$ 5,293
	Average final salary	\$ 8,136	\$ 11,696	\$ 11,367	\$ 12,108	\$ 11,756	\$ 12,355	\$ 11,861	\$ 11,574
	Number of retirees	2	3	2	4	6	4	2	23
2018	Average monthly benefit	\$ 0	\$ 4,549	\$ 5,525	\$ 6,114	\$ 5,989	\$ 6,238	\$ 6,365	\$ 5,955
	Average final salary	\$ 0	\$ 12,477	\$ 11,947	\$ 12,227	\$ 11,978	\$ 12,477	\$ 12,730	\$ 12,259
	Number of retirees	0	1	4	4	4	4	3	20
2019	Average monthly benefit	\$ 603	\$ 0	\$ 5,658	\$ 6,025	\$ 6,037	\$ 6,074	\$ 6,074	\$ 5,653
	Average final salary	\$ 9,520	\$ 0	\$ 11,371	\$ 12,051	\$ 12,075	\$ 12,147	\$ 12,147	\$ 11,758
	Number of retirees	2	0	10	13	7	2	4	38
2020	Average monthly benefit	\$ 0	\$ 3,163	\$ 5,389	\$ 6,415	\$ 6,237	\$ 6,256	\$ 6,415	\$ 5,875
	Average final salary	\$ 0	\$ 12,653	\$ 10,927	\$ 12,830	\$ 12,501	\$ 12,511	\$ 12,830	\$ 12,132
	Number of retirees	0	1	5	1	7	4	1	19
2021	Average monthly benefit	\$ 633	\$ 4,525	\$ 5,961	\$ 6,229	\$ 6,319	\$ 7,049	\$ 6,672	\$ 6,017
	Average final salary	\$ 12,653	\$ 13,164	\$ 11,923	\$ 12,457	\$ 12,638	\$ 14,099	\$ 13,345	\$ 12,738
	Number of retirees	1	1	5	7	2	3	3	22
2022	Average monthly benefit	\$ 0	\$ 2,710	\$ 6,218	\$ 6,469	\$ 6,729	\$ 6,606	\$ 6,616	\$ 6,173
	Average final salary	\$ 0	\$ 9,374	\$ 12,736	\$ 12,937	\$ 13,459	\$ 13,211	\$ 13,233	\$ 12,779
	Number of retirees	0	2	4	3	5	3	4	21
2023	Average monthly benefit	\$ 0	\$ 0	\$ 6,162	\$ 6,498	\$ 6,360	\$ 6,614	\$ 6,388	\$ 6,443
	Average final salary	\$ 0	\$ 0	\$ 12,652	\$ 12,996	\$ 12,720	\$ 13,045	\$ 12,775	\$ 12,893
	Number of retirees	0	0	7	12	5	11	3	38
2024	Average monthly benefit	\$ 0	\$ 3,429	\$ 6,651	\$ 6,935	\$ 6,280	\$ 7,098	\$ 7,348	\$ 6,316
	Average final salary	\$ 0	\$ 12,195	\$ 14,009	\$ 13,870	\$ 12,558	\$ 14,196	\$ 14,696	\$ 13,682
	Number of retirees	0	4	4	2	3	5	5	23
Ten Years Ended June 30, 2024									
	Average monthly benefit	\$ 693	\$ 3,685	\$ 5,819	\$ 6,086	\$ 6,170	\$ 6,429	\$ 6,406	\$ 5,863
	Average final average salary	\$ 9,851	\$ 11,326	\$ 11,893	\$ 12,172	\$ 12,345	\$ 12,810	\$ 12,812	\$ 12,223
	Number of retirees	6	17	51	61	50	42	32	259

Note: COLA increases are excluded from the above for comparison purposes.

Source: FY23 and later from MOSERS' Judicial Plan Actuarial Valuation Reports; prior to FY23 from MOSERS' Pension Administration System

Retirees and Beneficiaries Tabulated by Fiscal Year of Retirement

As of June 30, 2024

MSEP

Fiscal Year of Retirement	Number	Total Annual Benefit	Average Monthly Benefit
1984 and prior	27	\$ 196,707	\$ 607
1985	18	150,254	696
1986	22	193,141	732
1987	32	385,095	1,003
1988	35	633,878	1,509
1989	55	1,110,766	1,683
1990	51	862,197	1,409
1991	82	1,763,569	1,792
1992	121	2,416,717	1,664
1993	162	3,589,168	1,846
1994	180	3,810,715	1,764
1995	272	5,781,722	1,771
1996	325	7,450,828	1,910
1997	361	8,227,931	1,899
1998	454	11,129,766	2,043
1999	575	13,705,952	1,986
2000	644	15,087,199	1,952
2001	1,477	33,926,403	1,914
2002	1,047	21,008,811	1,672
2003	1,194	24,873,843	1,736
2004	1,675	32,957,133	1,640
2005	1,178	21,314,560	1,508
2006	1,370	23,236,016	1,413
2007	1,652	29,096,054	1,468
2008	1,698	28,683,581	1,408
2009	1,786	30,859,881	1,440
2010	1,895	31,239,689	1,374
2011	2,446	42,059,898	1,433
2012	2,292	36,458,834	1,326
2013	2,424	36,977,329	1,271
2014	2,427	37,871,465	1,300
2015	2,750	43,881,036	1,330
2016	2,761	44,770,562	1,351
2017	2,718	48,455,722	1,486
2018	2,867	50,744,044	1,475
2019	2,619	46,537,720	1,481
2020	2,598	44,191,634	1,417
2021	2,971	53,428,348	1,499
2022	3,199	57,213,128	1,490
2023	2,749	49,819,824	1,510
2024	2,370	40,425,312	1,421
	55,579	\$ 986,526,432	\$ 1,479

Source: MOSERS' MSEP Actuarial Valuation Report as of June 30, 2024

Retirees and Beneficiaries Tabulated by Fiscal Year of Retirement (continued)

As of June 30, 2024

Judicial Plan

Fiscal Year of Retirement	Number	Total Annual Benefit	Average Monthly Benefit
1984 and prior	3	\$ 62,796	\$ 1,744
1985	0	0	0
1986	0	0	0
1987	4	211,939	4,415
1988	0	0	0
1989	1	33,552	2,796
1990	2	74,674	3,111
1991	5	250,024	4,167
1992	1	96,905	8,075
1993	1	8,952	746
1994	2	104,328	4,347
1995	5	371,112	6,185
1996	3	186,252	5,174
1997	3	171,324	4,759
1998	6	416,580	5,786
1999	7	464,748	5,533
2000	5	422,736	7,046
2001	13	1,308,804	8,390
2002	11	1,067,167	8,085
2003	11	941,328	7,131
2004	11	904,440	6,852
2005	11	1,145,028	8,674
2006	10	440,898	3,674
2007	37	3,075,852	6,928
2008	20	1,666,801	6,945
2009	27	1,849,061	5,707
2010	10	807,480	6,729
2011	28	2,128,479	6,335
2012	14	847,556	5,045
2013	26	2,104,704	6,746
2014	20	1,407,702	5,865
2015	46	4,115,112	7,455
2016	19	1,553,679	6,814
2017	27	2,124,898	6,558
2018	30	2,680,768	7,447
2019	43	3,607,732	6,992
2020	25	1,998,900	6,663
2021	30	2,247,421	6,243
2022	33	2,472,350	6,243
2023	47	3,851,498	6,829
2024	29	2,336,084	6,713
	626	\$ 49,559,664	\$ 6,597

Source: MOSERS' Judicial Plan Actuarial Valuation Report as of June 30, 2024

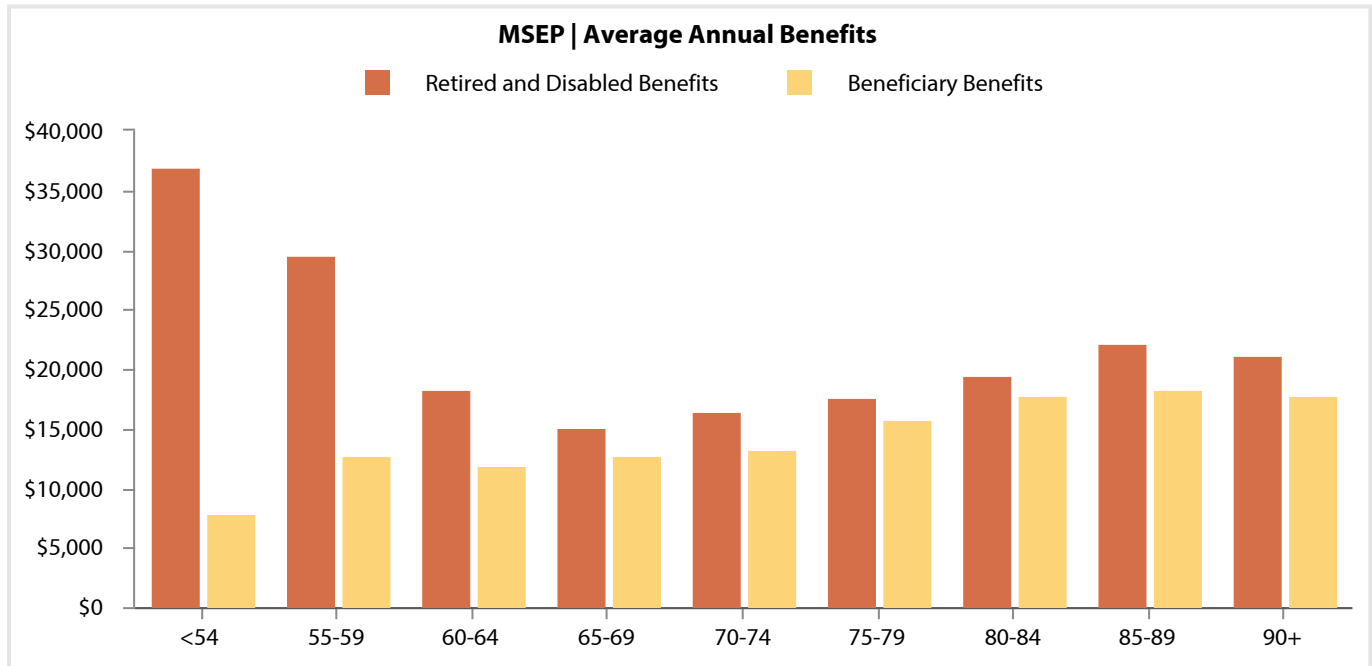
Benefits Tabulated by Attained Ages of Benefit Recipients

As of June 30, 2024

MSEP

Attained Ages	Retired and Disabled		Beneficiaries		Totals	
	No.	Annual Benefits	No.	Annual Benefits	No.	Annual Benefits
<54	471	\$ 17,443,176	533	\$ 4,205,364	1,004	\$ 21,648,540
55-59	2,564	75,887,352	296	3,770,268	2,860	79,657,620
60-64	7,317	134,614,980	512	6,101,760	7,829	140,716,740
65-69	11,467	174,294,648	762	9,754,368	12,229	184,049,016
70-74	11,603	191,425,608	1,023	13,605,012	12,626	205,030,620
75-79	8,552	151,448,244	1,090	17,129,400	9,642	168,577,644
80-84	4,300	83,746,548	921	16,430,652	5,221	100,177,200
85-89	2,008	44,596,368	693	12,751,608	2,701	57,347,976
90+	954	20,206,212	513	9,114,864	1,467	29,321,076
Totals	49,236	\$ 893,663,136	6,343	\$ 92,863,296	55,579	\$ 986,526,432

Average age at retirement: 61.3 years • Average age now: 71.9 years



Average annual benefit: \$18,151 retired and disabled • \$14,640 beneficiaries

Source: MOSERS' MSEP Actuarial Valuation Report as of June 30, 2024

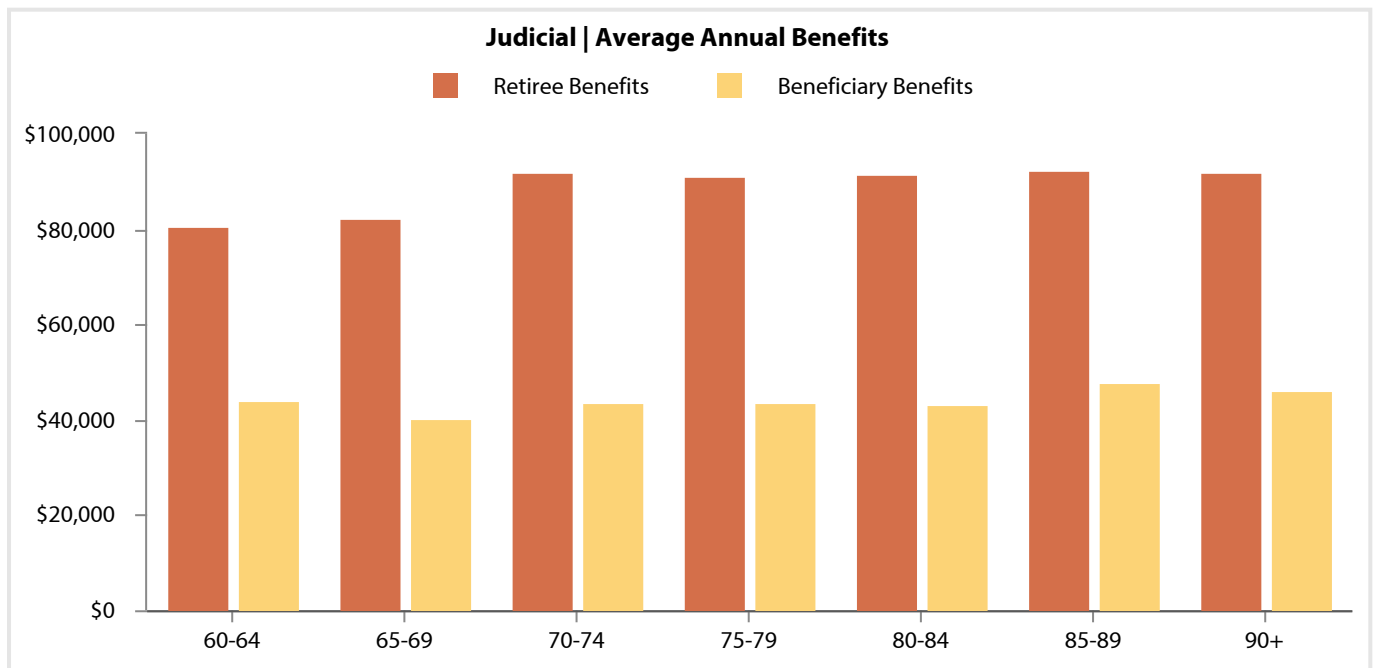
Benefits Tabulated by Attained Ages of Benefit Recipients (continued)

As of June 30, 2024

Judicial Plan

Attained Ages	Retirees		Beneficiaries		Totals	
	No.	Annual Benefits	No.	Annual Benefits	No.	Annual Benefits
60-64	29	\$ 2,336,784	6	\$ 265,164	35	\$ 2,601,948
65-69	55	4,525,092	19	769,668	74	5,294,760
70-74	144	13,279,836	17	741,732	161	14,021,568
75-79	137	12,482,748	29	1,270,824	166	13,753,572
80-84	62	5,671,068	29	1,253,412	91	6,924,480
85-89	30	2,773,116	22	1,054,512	52	3,827,628
90+	21	1,935,468	26	1,200,240	47	3,135,708
Totals	478	\$ 43,004,112	148	\$ 6,555,552	626	\$ 49,559,664

Average age at retirement: 67.7 years • Average age now: 76.8 years



Average annual benefit: \$89,967 retirees • \$44,294 beneficiaries

Source: MOSERS' Judicial Plan Actuarial Valuation Report as of June 30, 2024

Principal Participating Employers

Current Year and Nine Years Ago

Participating Employer	2024			2015		
	Covered Employees	Rank	Percent of Membership	Covered Employees	Rank	Percent of Membership
State of Missouri	39,424	1	87.2%	43,610	1	86.6%
Missouri State University	1,777	2	3.9	1,877	2	3.7
University of Central Missouri	864	3	1.9	1,094	3	2.2
Southeast Missouri State University	702	4	1.6	935	4	1.9
Northwest Missouri State University	577	5	1.3	567	6	1.1
Truman State University	458	6	1.0	625	5	1.2
Missouri Southern State University	328	7	0.7	427	7	0.8
Lincoln University	293	8	0.6	381	9	0.8
Missouri Western State University	292	9	0.6	399	8	0.8
State Technical College of Missouri	219	10	0.5	169	10	0.3
All others	317		0.7	301		0.6
Total	45,251		100.0%	50,385		100.0%

Source: MOSERS' Pension Administration System

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