#### NORFOLK COUNTY RETIREMENT SYSTEM

### SCHEDULE OF EMPLOYER ALLOCATIONS AND SCHEDULE OF PENSION AMOUNTS BY EMPLOYER

YEAR ENDED DECEMBER 31, 2024



## NORFOLK COUNTY RETIREMENT SYSTEM TABLE OF CONTENTS YEAR ENDED DECEMBER 31, 2024

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#### **INDEPENDENT AUDITORS' REPORT**

Honorable Retirement Board Norfolk County Retirement System Norwood, Massachusetts

### Report on the Audit of the Schedules *Opinion*

We have audited the accompanying schedule of employer allocations of the Norfolk County Retirement System (the System) as of and for the year ended December 31, 2024, and the related notes. We have also audited the total for all entities of the columns titled net pension liability, total deferred outflows of resources, total deferred inflows of resources, and total pension expense (specified column totals) included in the accompanying schedule of pension amounts by employer of the System as of and for the year ended December 31, 2024, and the related notes.

In our opinion, the schedules referred to above present fairly, in all material respects, the employer allocations, net pension liability, total deferred outflows of resources, total deferred inflows of resources, and total pension expense of the System as of and for the year ended December 31, 2024, in accordance with accounting principles generally accepted in the United States of America.

#### Basis for Opinion

We conducted our audit in accordance with auditing standards generally accepted in the United States of America (GAAS). Our responsibilities under those standards are further described in the Auditors' Responsibilities for the Audit of the Schedules section of our report. We are required to be independent of the System and to meet our other ethical responsibilities, in accordance with the relevant ethical requirements relating to our audit. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

#### Responsibilities of Management for the Schedules

Management is responsible for the preparation and fair presentation of the schedules in accordance with accounting principles generally accepted in the United States of America, and for the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of the schedules that are free from material misstatement, whether due to fraud or error.

#### Auditors' Responsibilities for the Audit of the Schedules

Our objectives are to obtain reasonable assurance about whether the schedules are free from material misstatement, whether due to fraud or error, and to issue an auditors' report that includes our opinions. Reasonable assurance is a high level of assurance but is not absolute assurance and therefore is not a guarantee that an audit conducted in accordance with GAAS will always detect a material misstatement when it exists.

Honorable Retirement Board Norfolk County Retirement System

The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control. Misstatements are considered material if there is a substantial likelihood that, individually or in the aggregate, they would influence the judgment made by a reasonable user based on the schedules.

In performing an audit in accordance with GAAS, we:

- Exercise professional judgment and maintain professional skepticism throughout the audit.
- Identify and assess the risks of material misstatement of the schedules, whether due to fraud or error, and design and perform audit procedures responsive to those risks. Such procedures include examining, on a test basis, evidence regarding the amounts in schedules and the related disclosures.
- Obtain an understanding of internal control relevant to the audit in order to design audit
  procedures that are appropriate in the circumstances, but not for the purpose of expressing an
  opinion on the effectiveness of the System's internal control. Accordingly, no such opinion is
  expressed.
- Evaluate the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluate the overall presentation of the schedules.

We are required to communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit, significant audit findings, and certain internal control related matters that we identified during the audit.

#### Other Matter

We have audited, in accordance with auditing standards generally accepted in the United States of America, the financial statements of System as of and for the year ended December 31, 2024, and our report thereon dated October 30, 2025 expressed an unmodified opinion on those financial statements.

#### Restriction on Use

Our report is intended solely for the information and use of management of the System, the Retirement Board, and the System's participating employers and their auditors and is not intended to be, and should not be, used by anyone other than these specified parties.

CliftonLarsonAllen LLP

Clifton Larson Allen LLP

Boston, Massachusetts October 30, 2025

### NORFOLK COUNTY RETIREMENT SYSTEM SCHEDULE OF EMPLOYER ALLOCATIONS YEAR ENDED DECEMBER 31, 2024

	,	Employer	Employer Allocation
		ontributions	Percentage
Town of Avon	\$	1,961,866	1.9397%
Avon Housing Authority	Ψ	11,589	0.0115%
Town of Bellingham		4,329,820	4.2809%
Bellingham Housing Authority		30,254	0.0299%
Town of Canton		7,565,945	7.4804%
Canton Housing Authority		134,813	0.1333%
Town of Cohasset		3,579,726	3.5393%
Cohasset Housing Authority		3,435	0.0034%
Norfolk County		5,484,763	5.4228%
Charles River Pollution Control		168,781	0.1669%
Town of Dover		1,765,862	1.7459%
Dover-Sherborn Regional High School		944,260	0.9336%
Town of Foxboro		6,445,061	6.3722%
Foxboro Housing Authority		106,797	0.1056%
Town of Franklin		7,890,141	7.8009%
Franklin Housing Authority		126,818	0.1254%
Town of Holbrook		3,171,220	3.1354%
Holbrook Housing Authority		49,141	0.0486%
King Philip Regional School District		1,024,556	1.0130%
Town of Medfield		3,434,727	3.3959%
Medfield Housing Authority		4,590	0.0045%
Town of Medway		3,734,463	3.6922%
Medway Housing Authority		120,822	0.1195%
Metacomet Emergency Communication		394,338	0.3899%
Town of Millis		2,683,958	2.6536%
Millis Housing Authority		68,832	0.0681%
Town of Norfolk		3,149,848	3.1142%
Norfolk Housing Authority		41,467	0.0410%
Norfolk Mosquito Control		224,936	0.2224%
Town of Plainville		2,369,155	2.3424%
Town of Randolph		8,241,722	8.1486%
Randolph Housing Authority		107,673	0.1065%
Town of Sharon		5,903,370	5.8366%
Sharon Housing Authority		39,028	0.0386%
Town of Stoughton		8,434,762	8.3394%
Stoughton Housing Authority		127,484	0.1260%
Town of Walpole		6,910,732	6.8326%
Walpole Housing Authority		78,876	0.0780%
Town of Westwood		6,720,340	6.6444%
Town of Wrentham		2,944,354	2.9111%
Wrentham Housing Authority		34,715	0.0343%
Dedham Westwood Water District		578,331	0.5718%
Total	\$	101,143,371	100.0000%

#### NORFOLK COUNTY RETIREMENT SYSTEM SCHEDULE OF PENSION AMOUNTS BY EMPLOYER AS OF AND YEAR ENDED DECEMBER 31, 2024

			Deferred Outflows of Resources									
					Changes in	,						
					Proportion and							
					Differences Between							
					Employer							
					Contributions							
		Difference Between	Difference Between		and Proportionate	Total Deferred						
	December 31, 202	Expected and Actual	Expected and Actual	Assumption	Share of	Outflows of						
	Net Pension Liabilit	y Experience	Investment Earnings	Changes	Contributions	Resources						
EMPLOYER												
Town of Avon	\$ 12,452,9		\$ 1,074,893	\$ 1,692,302	\$ 350,103	\$ 3,723,151						
Avon Housing Authority	73,5	•	6,350	9,997	-	19,924						
Town of Bellingham	27,483,5		2,372,280	3,734,894	1,165,503	8,609,787						
Bellingham Housing Authority	192,0	37 9,344	16,577	26,096	19,082	71,099						
Town of Canton	48,024,8	36 2,336,474	4,145,330	6,526,369	1,875	13,010,048						
Canton Housing Authority	855,7	26 41,633	73,864	116,289	14,138	245,925						
Town of Cohasset	22,722,3	1,105,471	1,961,308	3,087,865	45,887	6,200,530						
Cohasset Housing Authority	21,8	04 1,061	1,882	2,963	1,678	7,584						
Norfolk County	34,814,5	33 1,693,774	3,005,061	4,731,150	1,695,473	11,125,458						
Charles River Pollution Control	1,071,3	37 52,122	92,473	145,590	92	290,277						
Town of Dover	11,208,8	09 545,324	967,504	1,523,229	64,590	3,100,647						
Dover-Sherborn Regional High School	5,993,6	90 291,601	517,353	814,516	27,636	1,651,106						
Town of Foxboro	40,910,0	24 1,990,329	3,531,205	5,559,497	274,173	11,355,204						
Foxboro Housing Authority	677,8	94 32,981	58,512	92,122	2,495	186,111						
Town of Franklin	50,082,6	70 2,436,591	4,322,957	6,806,020	281,499	13,847,066						
Franklin Housing Authority	804,9	77 39,163	69,483	109,394	6,493	224,533						
Town of Holbrook	20,129,3	19 979,320	1,737,490	2,735,488	933,151	6,385,449						
Holbrook Housing Authority	311,9	22 15,175	26,924	42,388	1,147	85,634						
King Philip Regional School District	6,503,3	69 316,397	561,347	883,780	135,661	1,897,185						
Town of Medfield	21,801,9	29 1,060,694	1,881,865	2,962,789	8,017	5,913,365						
Medfield Housing Authority	29,1	35 1,418	2,515	3,959	8,138	16,031						
Town of Medway	23,704,5	04 1,153,257	2,046,089	3,221,341	33,764	6,454,451						
Medway Housing Authority	766,9		66,197	104,221	73,399	281,127						

## NORFOLK COUNTY RETIREMENT SYSTEM SCHEDULE OF PENSION AMOUNTS BY EMPLOYER (CONTINUED) AS OF AND YEAR ENDED DECEMBER 31, 2024

		Deferred Outflows of Resources											
									Ch	anges in			
									Prop	oortion and			
									Differe	nces Between			
									E	mployer			
									Co	ntributions			
			Diffe	rence Between	Diffe	rence Between			and F	Proportionate	Т	otal Deferred	
	Dece	ember 31, 2024	Expe	cted and Actual	Expe	cted and Actual	Α	Assumption	S	Share of		Outflows of	
	Net F	Pension Liability	1	Experience	Investment Earnings			Changes	Co	ntributions		Resources	
EMPLOYER													
Metacomet Emergency Communication	\$	2,503,060	\$	121,778	\$	216,055	\$	340,153	\$	191,573	\$	869,560	
Town of Millis		17,036,423		828,846		1,470,521		2,315,177		601,835		5,216,379	
Millis Housing Authority		436,911		21,256		37,712		59,374		3,226		121,568	
Town of Norfolk		19,993,660		972,718		1,725,782		2,717,053		410,700		5,826,252	
Norfolk Housing Authority		263,212		12,806		22,719		35,770		16,866		88,161	
Norfolk Mosquito Control		1,427,781		69,463		123,241		194,029		260		386,993	
Town of Plainville		15,038,211		731,630		1,298,045		2,043,628		89,204		4,162,507	
Town of Randolph		52,314,330		2,545,164		4,515,585		7,109,294		285,307		14,455,350	
Randolph Housing Authority		683,454		33,251		58,993		92,878		30		185,152	
Town of Sharon		37,471,641		1,823,047		3,234,417		5,092,235		635,868		10,785,567	
Sharon Housing Authority		247,730		12,053		21,383		33,664		3,032		70,133	
Town of Stoughton		53,539,651		2,604,777		4,621,350		7,275,809		1,483,862		15,985,799	
Stoughton Housing Authority		809,205		39,369		69,848		109,967		6,256		225,440	
Town of Walpole		43,865,871		2,134,135		3,786,346		5,961,183		18,152		11,899,816	
Walpole Housing Authority		500,665		24,358		43,216		68,036		15,795		151,405	
Town of Westwood		42,657,358		2,075,338		3,682,030		5,796,953		1,586		11,555,907	
Town of Wrentham		18,689,287		909,260		1,613,195		2,539,795		434,010		5,496,260	
Wrentham Housing Authority		220,353		10,720		19,020		29,945		3,450		63,136	
Dedham Westwood Water District		3,670,956		178,597		316,864		498,868		534		994,863	
Total	\$	642,007,543	\$	31,234,547	\$	55,415,779	\$	87,246,074	\$	9,345,540	\$	183,241,940	

## NORFOLK COUNTY RETIREMENT SYSTEM SCHEDULE OF PENSION AMOUNTS BY EMPLOYER (CONTINUED) AS OF AND YEAR ENDED DECEMBER 31, 2024

	Deferred Inflow	s of Resources		Pension Expense			
	Changes in Proportion and Differences Between Employer Contributions and Proportionate Share of Contributions	Total Deferred Inflows of Resources	Proportion and Share of Plan Pension Expense	Net Amortization from Changes In Proportions	Total Pension Expense	(Proportionate share of Contributions from Nonemployer Entities) Total Pension Revenue	Total Covered Payroll
EMPLOYER	•	•	<b>A</b> 0.540.400	<b>A</b> 470 044	<b>A</b> 0.740.000	ф 70.400	0.045.744
Town of Avon	\$ -	\$ -	\$ 2,546,488	\$ 170,341	\$ 2,716,829	\$ 73,462 434	\$ 6,645,741
Avon Housing Authority Town of Bellingham	17,653 79,522	17,653 79,522	15,042 5,620,075	(5,278) (360,612)	9,764 5,259,463	434 162,130	72,542 15,194,968
3	79,522 88,774	79,522 88,774	39,269	(5,232)	34,037	1,133	252,628
Bellingham Housing Authority Town of Canton	209,954	209,954	9,820,541	(40,954)	9,779,587	283,307	28,242,110
Canton Housing Authority	209,934	209,954	174,986	12,480	187,466	5,048	527,528
Town of Cohasset	546,456	546,456	4,646,458	381,880	5,028,338	134,043	12,535,908
Cohasset Housing Authority	52,826	52,826	4,459	(18,737)	(14,278)	129	85,952
Norfolk County	48,023	48,023	7,119,182	208,055	7,327,237	205,377	10,124,004
Charles River Pollution Control	98,679	98,679	219,076	(76,671)	142,405	6,320	846,729
Town of Dover	28,569	28,569	2,292,076	(202,701)	2,089,375	66,123	7,136,024
Dover-Sherborn Regional High School	137,598	137,598	1,225,643	(300,471)	925,172	35,358	3,121,772
Town of Foxboro	262,189	262,189	8,365,642	(123,887)	8,241,755	241,336	22,676,709
Foxboro Housing Authority	86,550	86,550	138,622	6,486	145,108	3,999	541,508
Town of Franklin	244,596	244,596	10,241,345	122,390	10,363,735	295,447	31,371,705
Franklin Housing Authority	7	7	164,609	2,468	167,077	4,749	480,685
Town of Holbrook	6,198	6,198	4,116,220	230,470	4,346,690	118,746	13,098,809
Holbrook Housing Authority	54,511	54,511	63,785	(3,145)	60,640	1,840	68,587
King Philip Regional School District	217,325	217,325	1,329,866	16,007	1,345,873	38,365	3,946,012
Town of Medfield	623,171	623,171	4,458,250	(317,601)	4,140,649	128,613	12,712,013
Medfield Housing Authority	47,167	47,167	5,958	(14,568)	(8,610)	172	-
Town of Medway	449,545	449,545	4,847,306	272,094	5,119,400	139,837	14,810,781
Medway Housing Authority	2,829	2,829	156,826	(11,052)	145,774	4,524	432,738

## NORFOLK COUNTY RETIREMENT SYSTEM SCHEDULE OF PENSION AMOUNTS BY EMPLOYER (CONTINUED) AS OF AND YEAR ENDED DECEMBER 31, 2024

		Deferred Inflow	s of F	Resources	Pension Expense									
	Ch	anges in												
	Prop	oortion and												
	Differe	nces Between									(Pro	portionate share		
	E	mployer									of	Contributions		
	Co	ntributions				Proportion and					fror	m Nonemployer		
	and F	Proportionate	•	Total Deferred		Share of		Net Amortization				Entities)		
	S	Share of		Inflows of		Plan Pension		from Changes		Total Pension	Т	otal Pension	T	otal Covered
	Со	ntributions		Resources		Expense		In Proportions		Expense		Revenue		Payroll
EMPLOYER														
Metacomet Emergency Communication	\$	321,758	\$	321,758	\$	511,848	\$	507,899	\$	1,019,747	\$	14,766	\$	1,950,946
Town of Millis		490,992		490,992		3,483,758		255,434		3,739,192		100,501		10,929,187
Millis Housing Authority		115		115		89,343		9,570		98,913		2,577		233,022
Town of Norfolk		202,038		202,038		4,088,480		86,195		4,174,675		117,946		11,826,895
Norfolk Housing Authority		25,775		25,775		53,824		(5,448)		48,376		1,553		147,602
Norfolk Mosquito Control		173,339		173,339		291,965		(52,750)		239,215		8,423		944,362
Town of Plainville		1,252,694		1,252,694		3,075,146		(214,731)		2,860,415		88,713		9,800,974
Town of Randolph		402,899		402,899		10,697,695		(219,881)		10,477,814		308,612		29,028,405
Randolph Housing Authority		73,413		73,413		139,759		(24,686)		115,073		4,032		479,096
Town of Sharon		301,665		301,665		7,662,531		(145,553)		7,516,978		221,052		19,091,117
Sharon Housing Authority		29,666		29,666		50,658		29,312		79,970		1,461		99,331
Town of Stoughton		4,879		4,879		10,948,259		412,516		11,360,775		315,840		28,360,484
Stoughton Housing Authority		31,488		31,488		165,473		21,456		186,929		4,774		447,631
Town of Walpole		444,461		444,461		8,970,079		90,075		9,060,154		258,773		25,729,143
Walpole Housing Authority		13,971		13,971		102,380		874		103,254		2,954		277,380
Town of Westwood		1,559,924		1,559,924		8,722,952		(555,503)		8,167,449		251,643		26,568,279
Town of Wrentham		230,242		230,242		3,821,750		18,860		3,840,610		110,251		11,551,829
Wrentham Housing Authority		9,859		9,859		45,060		(4,486)		40,574		1,300		109,003
Dedham Westwood Water District		474,015		474,015		750,669		(150,915)		599,754		21,656		2,745,294
Total	\$	9,345,540	\$	9,345,540	\$	131,283,353	\$		\$	131,283,353	\$	3,787,317	\$	365,245,433

### NORFOLK COUNTY RETIREMENT SYSTEM SCHEDULE OF PENSION AMOUNTS BY EMPLOYER (CONTINUED) YEAR ENDED DECEMBER 31, 2024

				2028	Total
EMPLOYER					
Town of Avon	\$ 1,324,772	\$ 1,807,136	\$ 630,001	\$ (38,758)	\$ 3,723,151
Avon Housing Authority	1,996	4,895	(1,727)	(2,893)	2,271
Town of Bellingham	3,013,473	4,150,255	1,523,208	(156,671)	8,530,265
Bellingham Housing Authority	(5,911)	(148)	(14,474)	2,858	(17,675)
Town of Canton	4,618,988	6,499,215	1,993,969	(312,078)	12,800,094
Canton Housing Authority	87,583	120,582	40,152	(2,597)	245,720
Town of Cohasset	2,079,552	2,924,293	809,182	(158,953)	5,654,074
Cohasset Housing Authority	(15,887)	(14,885)	(14,728)	258	(45,242)
Norfolk County	3,788,626	5,195,945	1,927,466	165,398	11,077,435
Charles River Pollution Control	73,082	118,946	19,762	(20,192)	191,598
Town of Dover	1,093,054	1,548,967	494,657	(64,600)	3,072,078
Dover-Sherborn Regional High School	540,951	797,699	234,214	(59,356)	1,513,508
Town of Foxboro	3,954,950	5,565,423	1,737,806	(165,164)	11,093,015
Foxboro Housing Authority	44,227	68,393	5,659	(18,718)	99,561
Town of Franklin	4,871,130	6,818,841	2,130,056	(217,557)	13,602,470
Franklin Housing Authority	80,515	112,048	36,283	(4,320)	224,526
Town of Holbrook	2,259,214	3,053,683	1,134,339	(67,985)	6,379,251
Holbrook Housing Authority	14,075	25,412	(2,357)	(6,007)	31,123
King Philip Regional School District	625,549	877,701	261,979	(85,369)	1,679,860
Town of Medfield	1,902,911	2,763,546	743,540	(119,803)	5,290,194
Medfield Housing Authority	(11,643)	(10,211)	(10,967)	1,685	(31,136)
Town of Medway	2,223,603	3,119,203	895,172	(233,072)	6,004,906
Medway Housing Authority	96,051	128,851	54,431	(1,035)	278,298
Metacomet Emergency Communication	255,490	310,101	69,075	(86,864)	547,802
Town of Millis	1,750,202	2,401,962	779,099	(205,876)	4,725,387
Millis Housing Authority	43,805	60,301	19,303	(1,956)	121,453
Town of Norfolk	2,034,846	2,819,331	926,533	(156,496)	5,624,214
Norfolk Housing Authority	20,956	31,345	7,719	2,366	62,386
Norfolk Mosquito Control	84,205	139,909	10,737	(21,197)	213,654
Town of Plainville	1,063,461	1,636,038	277,334	(67,020)	2,909,813
Town of Randolph	5,013,600	7,078,008	2,186,367	(225,524)	14,052,451
Randolph Housing Authority	41,480	68,497	7,153	(5,391)	111,739
Town of Sharon	3,696,421	5,178,098	1,674,126	(64,743)	10,483,902
Sharon Housing Authority	18,651	25,327	2,473	(5,984)	40,467
Town of Stoughton	5,674,855	7,775,568	2,711,964	(181,467)	15,980,920
Stoughton Housing Authority	74,257	103,705	27,622	(11,632)	193,952
Town of Walpole	4,159,282	5,860,269	1,750,286	(314,482)	11,455,355
Walpole Housing Authority	48,025	67,511	21,123	775	137,434
Town of Westwood	3,679,088	5,356,892	1,384,899	(424,896)	9,995,983
Town of Wrentham	1,906,328	2,642,866	871,339	(154,515)	5,266,018
Wrentham Housing Authority	18,797	27,594	7,327	(441)	53,277
Dedham Westwood Water District	212,811	356,813	22,709	(71,485)	520,848
<del>-</del>	\$ 62,457,421	\$ 87,615,925	\$ 27,384,811	\$ (3,561,757)	\$ 173,896,400

#### NOTE 1 DESCRIPTION OF THE ENTITY

The Norfolk County Retirement System (the System) was established in 1937 to provide retirement benefits to eligible employees of its member employers. The System is governed by a five-member retirement board who establishes the policies under which the System operates. Board members also approve all financial transactions of the System, including the approval of retirement benefits to members. The day-to-day operations of the System are managed by an Executive Director. The legislative oversight body for the System is an Advisory Council consisting of full-time treasurers or other qualified officials of the member units. The Advisory Council meets at least twice annually and is responsible for supervising and certifying the procedures involved in the election of members to the retirement board.

The System issued a publicly available audited financial statement for the year ended December 31, 2024, which is available through the System's website at <a href="https://www.norfolkcountyretirement.org">www.norfolkcountyretirement.org</a>. A copy of the financial statement may be obtained by submitting a request to the System's Executive Director at 720 University Avenue, Suite 120, Norwood, MA 02062.

#### **Plan Description**

The System is a cost-sharing multiple-employer contributory defined benefit governmental pension plan established under Chapter 32 of the General Laws of the Commonwealth of Massachusetts (MGL) covering all employees of governmental member units deemed eligible by the Board. The System is a member of the Massachusetts Association of Contributory Retirement Systems and is governed by Chapter 32 of MGL. The Public Employee Retirement Administration Commission (PERAC) is the state agency responsible for the regulation of the Commonwealth's public retirement systems.

#### Membership

Membership in the Plan is mandatory immediately upon the commencement of employment for all permanent employees (excluding teachers) regularly scheduled to work 20 hours or more per week. The pensions of school department employees who serve in a teaching capacity are administered by the Commonwealth of Massachusetts Teachers' Retirement System.

#### **Benefits**

Massachusetts contributory retirement system benefits are, with certain exceptions, uniform from system to system. The System provides for retirement allowance benefits up to a maximum of 80% of a member's highest three-year average annual rate of regular compensation. For persons who became members on or after April 2, 2012, the retirement allowance benefits are based on the average annual rate of regular compensation received during the five consecutive years that produce the highest average, or, if greater, during the last five years (whether or not consecutive) preceding retirement. Benefit payments are based upon a member's age, length of creditable service, level of compensation, and group classification.

#### NOTE 1 DESCRIPTION OF THE ENTITY (CONTINUED)

#### **Benefits (Continued)**

There are three classes of membership in the retirement system: group 1, group 2, and group 4. Group 1 consists of general employees which includes clerical, administrative, technical and not otherwise classified positions. Group 2 consists of positions that have been specified as hazardous. Group 4 consists of police officers, firefighters, and other hazardous positions.

Members become vested after ten years of creditable service. A superannuation retirement allowance may be received upon the completion of 20 years of service or upon reaching the age of 55 with 10 years of service if hired after 1978 and if classified in groups 1 or 2. A person who became a member on or after April 2, 2012 is eligible for a superannuation retirement allowance upon reaching the age of 60 with 10 years of service if in group 1, 55 years of age with 10 years of service if in group 2, and 55 years of age if hired prior to 1978 or if classified in group 4. Normal retirement for most employees occurs at age 65 (except for certain hazardous duty and public safety positions, whose normal retirement is at age 55).

A retirement allowance consists of two parts: an annuity and a pension. A member's accumulated total deductions and the interest they generate constitute the annuity. The differential between the total retirement benefit and the annuity is the pension. The average retirement benefit is approximately 80-85% pension and 15-20% annuity.

Members who become permanently and totally disabled for further duty may be eligible to receive a disability retirement allowance. The amount of benefits to be received in such cases is dependent on several factors, including whether or not the disability is work related, the member's age, years of creditable service, level of compensation, veteran status and group classification.

Employees who resign from service and who are not eligible to receive a retirement allowance or are under the age of 55 are entitled to request a refund of their accumulated total deductions. In addition, with at least ten years of creditable service, such employees are entitled to receive one hundred (100%) percent of the regular interest which has accrued upon those deductions. Survivor benefits are extended to eligible beneficiaries of members whose death occurs prior to or following retirement.

#### **Contributions**

Active members contribute between 5 and 9% of their gross regular compensation. Members joining the System after January 1, 1979 must contribute an additional 2% on regular compensation earned at a rate in excess of \$30,000. The percentage rate is keyed to the date upon which an employee's membership commences. These deductions are deposited in the Annuity Savings Fund and earn interest at a rate determined by PERAC's actuary. When a member's retirement becomes effective, their deductions and related interest are transferred to the Annuity Reserve Fund. Any cost-of- living adjustments granted between 1981 and 1997 and any increase in other benefits imposed by MGL during those years are borne by the Commonwealth and are deposited into the Pension Fund.

#### NOTE 1 DESCRIPTION OF THE ENTITY (CONTINUED)

Cost-of-living adjustments granted after 1997 must be approved by the System and all costs are borne by the System. The pension portion of any retirement benefit is paid from the Pension Fund of the System. The governmental unit employing the member must annually appropriate and contribute the amount of current-year pension assessment.

#### NOTE 2 BASIS OF PRESENTATION

The schedules present amounts that are elements of the financial statements of the System or of its participating employers. Accordingly, they do not purport to be a complete presentation of the financial position or changes in financial position of either the System or its participating employers. The amounts presented in the schedules were prepared in accordance with accounting principles generally accepted in the United States of America (U.S. GAAP). Such preparation requires management of the System to make a number of estimates and assumptions relating to the reported amounts. Due to inherent nature of these estimates, actual results may differ from those estimates.

#### NOTE 3 NET PENSION LIABILITY

The components of the net pension liability of the System as of December 31, 2024, are presented as follows:

Total Pension Liability	\$ 2,152,078,731
Fiduciary Net Position	(1,510,071,188)
Net Pension Liability	\$ 642,007,543

Fiduciary Net Position as a Percentage of Total Pension Liability 70.17%

The total pension liability is calculated by the System's actuary and plan fiduciary net position is reported in the System's financial statements. The net pension liability is disclosed in accordance with the requirements of the Governmental Accounting Standards Board (GASB) Statement No. 67 in the System's notes to financial statements and required supplementary information.

#### NOTE 3 NET PENSION LIABILITY (CONTINUED)

#### **Actuarial Methods and Assumptions**

The total pension liability was determined by an actuarial valuation as of January 1, 2024. The following actuarial assumptions were applied to all periods included in the measurement that was rolled forward to December 31, 2024:

Actuarial Cost Method	Entry Age Normal Cost Method
Asset Valuation Method	Market Value
Investment Rate of Return	7.625%
Projected Salary Increases	3.5% - 8.0%
Inflation	2.75%
Cost of Living Increases	3.00% of first \$20,000 of Retirement Income.
Mortality Table	Pub-2010 Public Retirement Plans Mortality Tables Report from the Society of Actuaries dated January 2019; amount-weighted and projected generationally with Scale MP-2021.

#### **Long-Term Expected Rate of Return**

The long term expected rate of return on System's investments was determined using a building-block method in which best-estimates ranges of expected future real rates of return (expected returns, net of investment expense and inflation) are developed for each major asset class. These ranges are combined to produce the long-term expected rate of return by weighting the expected future real rates of return by the target asset allocation percentage and by adding expected inflation. The target allocation and best estimates of arithmetic real rates of return for each major asset class are summarized as follows:

		Long-Term
	Target	Expected Real
	Allocation	Rate of Return
ASSET CLASS		
Domestic Equity	30.5 %	7.3 %
International Equities	15.5	8.0
Fixed Income	20.5	4.9
Real Estate	9.5	7.0
Private Equity	10.0	10.2
Hedge Funds	11.5	8.6
Real Assets	2.5	8.9
Total	100.0 %	

The System's policy in regard to the allocation of invested assets is established and may be amended by the Board. Assets are managed with a long-term objective of achieving and maintaining a fully-funded status for the benefits provided through the System.

#### NOTE 3 NET PENSION LIABILITY (CONTINUED)

The annual money-weighted rate of return on investments, net of investment expense was 8.91% for the year ended December 31, 2024. The money-weighted rate of return expresses investment performance, net of investment expense, adjusted for the changing amounts actually invested.

#### **Discount Rate**

The discount rate used to measure the total pension liability as of December 31, 2024 was 7.625%. The projection of cash flows used to determine the discount rate assumed that plan member contributions will be made at the current contribution rate and that employer contributions will be made at contractually required rates, actuarially determined. Under Chapter 32 of MGL, employers are required to make the necessary contributions such that the System reaches full funding status by 2040.

Based on those assumptions, the System's fiduciary net position was projected to be available to make all projected future benefit payments of current plan members. Therefore, the long-term expected rate of return on the System's investments was applied to all periods of projected benefit payments to determine total pension liability.

#### Sensitivity of the Net Pension Liability to Changes in the Discount Rate

The following presents the net pension liability of the System as of December 31, 2024, calculated using the discount rate of 7.625%, as well as what the System's net pension liability would be if it were calculated using a discount rate that is one-percentage point lower or one-percentage point higher than the current rate:

	1	% Decrease (6.625%)	_	rrent Discount tate (7.625%)	1% Increase (8.625%)
Net Pension Liability	\$	869,874,461	\$	642,007,543	\$ 448,398,263

### NOTE 4 PENSION EXPENSE, DEFERRED OUTFLOWS OF RESOURCES, AND DEFERRED INFLOWS OF RESOURCES

Pension expense for the year ended December 31, 2024 was as follows:

Service Cost	\$	44,796,091
Interest Cost		156,617,380
Expected Return on Assets	(	(105,699,283)
Member Contributions		(44,682,290)
Current Year Amortization of Difference Between		
Expected and Actual Experience		18,854,478
Current Year Amortization of Changes in Assumptions		30,293,775
Current Year Amortization of Difference Between		
Projected and Actual Investment Earnings		12,708,881
Administrative Expenses		2,228,426
Plan Changes		16,165,895
Total	\$	131,283,353

The System's pension expense is based on the January 1, 2024 valuation. The employers' allocation of the pension expense is shown in the Schedule of Pension Amounts by Employer.

The following presents a summary of the changes in the collective deferred outflows of resources and deferred inflows of resources for the year ended December 31, 2024:

	Amortization Period (Years)	Original Amount	Accumulated Amortization	Beginning of Year Balance	Current Year Amortization	End of Year Balance
DEFERRED OUTFLOWS OF RESOURCES  Difference Between Expected and  Actual Experience:						
2021	4.08	\$ 33,610,962	\$ 24,713,943	\$ 8,897,019	\$ 8.237.981	\$ 659,038
2023	4.88	51,808,503	10,616,497	41,192,006	10,616,497	30,575,509
Subtotal		85,419,465	35,330,440	50,089,025	18,854,478	31,234,547
Difference Between Projected and						
Actual Investment Earnings:						
2020	5	(40,896,153)	(32,716,923)	(8,179,230)	(8,179,230)	-
2021	5	(129,087,718)	(77,452,632)	(51,635,086)	(25,817,544)	(25,817,542)
2022	5	276,609,422	110,643,768	165,965,654	55,321,884	110,643,770
2023	5	(25,272,334)	(5,054,467)	(20,217,867)	(5,054,467)	(15,163,400)
2024	5	(17,808,811)			(3,561,762)	(14,247,049)
Subtotal		63,544,406	(4,580,254)	85,933,471	12,708,881	55,415,779
Difference from Changes in Assumptions:						
2023	4.88	147,833,624	30,293,775	117,539,849	30,293,775	87,246,074
TOTAL DEFERRED OUTFLOWS OF RESOURCES		\$ 296,797,495	\$ 61,043,961	\$ 253,562,345	\$ 61,857,134	\$ 173,896,400

The difference between expected and actual experience and the effect of assumption changes are amortized over the average expected remaining service lives of active and inactive members. The difference between projected and actual investment earnings is amortized over 5 years.

### NOTE 4 PENSION EXPENSE, DEFERRED INFLOWS OF RESOURCES AND DEFERRED OUTFLOWS OF RESOURCES (CONTINUED)

#### **Changes in Proportion**

The previous amounts do not include specific deferred outflows of resources and deferred inflows of resources related to changes in proportion. These amounts are recognized (amortized) by each employer over the average expected remaining service lives of all plan members.

The following schedule reflects the amortization of the balance of deferred outflows of resources and deferred inflows of resources at December 31, 2024:

Measurement Period	
Ending December 31,	Amount
2025	\$ 62,457,421
2026	87,615,925
2027	27,384,811
2028	(3,561,757)
Total	\$ 173,896,400

### NOTE 5 PROPORTIONATE SHARE ALLOCATION METHODOLOGY AND EMPLOYER ALLOCATIONS

GASB Statement No. 68 requires employers in the System to recognize their proportionate share of the collective net pension liability. Employers' proportionate shares were allocated on the basis of actual employer contributions to the System for the year ended December 31, 2024. The Schedule of Employer Allocations displays the employer contributions and percentages used to allocate the net pension liability, deferred outflows of resources, and pension expense to each of the System's member employers.

