PLYMOUTH COUNTY CONTRIBUTORY RETIREMENT SYSTEM

> Actuarial Valuation Report January 1, 2022



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# **Report Summary:**

hlights	<u>January 1, 2020</u>	<u>January 1, 2022</u>	
Contributions			
Funding Schedule FY 2023	\$94,655,942	\$94,655,942	
Funding Schedule FY 2024	97,968,998	103,932,225	
Funded Ratios			
Using Actuarial Value of Assets	61.0%	68.8%	
Participants			
Actives	5,708	5,824	
Retirees and Beneficiaries	3,940	4,162	
Vested	0	0	
Inactives	1,621	1,805	
Disabled	<u>394</u>	<u>384</u>	
Total	11,663	12,175	
<u>Payroll</u>			
Payroll of Active Members	\$294,614,062	\$316,714,508	
Average Payroll	51,614	54,381	
Normal Cost			
Employer	4,217,452	4,141,156	
Employee	26,181,441	28,368,227	
Administrative Expenses	<u>2,000,000</u>	<u>2,100,000</u>	
Total	32,398,893	34,609,383	
Actuarial Accrued Liabilities			
Actives	731,275,525	741,411,462	
Retirees, Beneficiaries, Disabilities and Inactives	<u>1,045,899,996</u>	1,166,702,511	
Total	1,777,175,521	1,908,113,973	
Actuarial Value of Assets	1,083,858,357	<u>1,313,706,961</u>	
Unfunded Actuarial Accrued Liabilities	\$693,317,164	\$594,407,012	

# **Introduction**

Plymouth22

The purpose of this report is to present the findings of an actuarial valuation as of January 1, 2022, of the Plymouth County Contributory Retirement System.

The actuarial valuation is based on:

- Provisions of Chapter 32 of the Massachusetts General Laws, "M.G.L", as of January 1, 2022.
- Employee data provided by the Retirement Board
- Asset information reported to the Public Employee Retirement Administration Commission by the Plymouth County Contributory Retirement System
- Actuarial assumptions approved by the Retirement Board

The valuation and appropriation forecast are prepared in accordance with Chapter 32 of the M.G.L. as of January 1, 2022.

The valuation and forecast do not account for:

- Any subsequent changes in the law
- Chapter 32 of the M.G.L., Section 3(8)(c) transfers between systems
- State-mandated benefits
- Cost-of-living increases granted to retired members between 1982 and 1997. The cost of these benefits has been assumed by the State under Proposition Two and One-Half.

### **Actuarial Experience**

In performing the actuarial valuation, various assumptions are made regarding such factors as mortality, retirement, disability, and withdrawal rates as well as both payroll, salary increases, and investment returns. A comparison of the current valuation and the prior valuation is made to determine how closely actual experience corresponded to anticipated occurrences. This analysis of the system provides insight into the overall quality of the actuarial assumptions and helps explain any change in the annual appropriation.

During the last two years, the total unfunded actuarial accrued liability decreased by 14.3% to \$594,407,012. The decrease is the result of net favorable actuarial experience during the preceding years. The sources of change are as follows:

Asset Gains	(55,367,512)
Salary Increases	3,890,070
New Participants	11,849,918
Active - Retirements	8,476,391
Active - Terminations	(505,619)
Active - Mortality	(1,284,850)
Active - Disabilities	(302,873)
Inactive - Mortality	12,063,249
Inactive - Data adjustments	10,988,363
Benefit Payments	(461,898)
Other, including data, contribution interest, purchased service	<u>1,367,770</u>
Total (Gain) / Loss	(9,286,991)

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# **Actuarial Costs and Liabilities:**

### **Normal Costs**

The normal cost is the sum of the individual normal costs determined for each member as if the assumptions underlying the cost determinations had been exactly realized. An individual normal cost represents that part of the cost of a member's future benefits which are assigned to the current year as if the costs are to remain level as a percentage of the member's pay. Benefits payable under all circumstances (i.e., retirement, death, disability, and terminations) are included in this calculation. Anticipated employee contributions to be made during the year are subtracted from the total normal cost to determine employer normal cost. The total normal cost is divided by total payroll to determine the normal cost as a percent of pay. The normal cost is shown in Table I.

Table I		
	January 1, 2020	January 1, 2022
Superannuation	\$17,933,334	\$18,661,787
Termination	6,554,134	7,504,464
Death	2,281,061	2,404,545
Disability	3,630,364	3,938,587
Administrative Expenses	2,000,000	<u>2,100,000</u>
Total Normal Cost	32,398,893	34,609,383
% of Pay	11.0%	10.9%
Employee Contributions	26,181,441	28,368,227
% of Pay	8.9%	9.0%
Employer Normal Cost	\$6,217,452	\$6,241,156
% of Pay	2.1%	2.0%

# **Present Value of Actuarial Accrued Liabilities**

The actuarial accrued liabilities (AAL) represents a portion of today's value of all projected benefits attributable to past service for the actives and inactives. The AAL can be compared to the assets to determine the funded status of the Plan. The value of these earned benefits is shown in Table II below.

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	Table II	
	January 1, 2020	January 1, 2022
Actives		
Superannuations	\$665,103,704	\$672,190,768
Termination	11,973,635	13,316,250
Death	29,788,745	30,208,189
Disability	24,409,441	25,696,255
Retirees and Inactives		
Retirees and Beneficiaries	888,647,798	1,003,608,162
Vested	0	0
Terminated (Refund)	15,320,306	18,267,473
Disabled	141,931,892	144,826,876
Total	\$1,777,175,521	\$1,908,113,973

### **Present Value of Future Benefits**

The present value of future benefits represents today's value of all benefits earned by the inactive participants as well as all benefits earned and expected to be earned in the coming years by the active participants. The difference between the present value of future benefits and the present value of actuarial accrued liabilities is the value of benefits to be earned in the coming years. The value of the total expected benefits is shown in Table III.

Table III		
	January 1, 2020	January 1, 2022
Actives		
Superannuation	\$784,419,432	\$797,309,461
Termination	46,330,786	53,356,053
Death	43,303,939	44,579,143
Disability	49,744,952	53,394,548
Retirees and Inactives		
Retirees and Beneficiaries	888,647,798	1,003,608,162
Vested	0	0
Terminated (Refund)	15,320,306	18,267,473
Disabled	<u>141,931,892</u>	144,826,876
Total	\$1,969,699,105	\$2,115,341,716

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# **Funded Status and Appropriations:**

### **Market Value of Plan Assets**

The trust fund composition on a market value basis is shown in Table IV.

Table	e IV	
	January 1, 2020	January 1, 2022
Cash equivalents	\$23,775,931	\$37,833,062
Short term investments	0	0
Fixed income securities	157,947,708	223,620,436
Equities	381,035,116	481,024,087
International	248,884,237	194,937,914
Real Estate	94,529,484	143,835,945
Venture Capital	0	0
Other	188,385,347	359,134,236
Accounts receivable	10,540,972	8,841,653
Accounts payable	(11,358,622)	(8,873,014)
Accrued income	<u>306,943</u>	<u>0</u>
Total Market Value	\$1,094,047,116	\$1,440,354,319
Total Actuarial Value	\$1,083,858,357	\$1,313,706,961

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#### **Actuarial Value of Assets**

The actuarial value of assets is determined by projecting the market value of assets as of the beginning of the prior plan year with the assumed rate of return during that year (7.875%) and accounting for deposits and disbursements with interest at the assumed rate of return. An adjustment is then applied to recognize the difference between the actual investment return and expected return over a five year period. This preliminary actuarial value is not allowed to differ from the market value of assets by more than 20%. The calculation of the actuarial value of assets as of January 1, 2022 is presented in Table V.

		January 1, 2022
(1)	Market value at January 1, 2021	\$1,239,611,831
(2)	2021 Contributions	\$127,205,801
(3)	2021 Payments	(\$131,010,507)
(4)	Net interest adjustment at 7.875% on (1), (2), and (3) to December 31, 2021	\$98,412,263
(5)	Expected market value on January 1, 2022	\$1,334,219,388
	(1) + (2) + (3) + (4)	
(6)	Actual market value on January 1, 2022	\$1,440,354,319
(7)	2021 (Gain) / Loss	(\$106,134,931)
(8)	80% of 2021 (Gain) / Loss	(\$84,907,945)
(9)	2020 (Gain) / Loss	(\$57,534,987)
(10)	60% of 2020 (Gain) / Loss	(\$34,520,992)
(11)	2019 (Gain) / Loss	(\$95,222,080)
(12)	40% of 2019 (Gain) / Loss	(\$38,088,832)
(13)	2018 (Gain) / Loss	\$154,352,055
(14)	20% of 2018 (Gain) / Loss	\$30,870,411
(15)	Actuarial value on January 1, 2022, (6) + (8) + (10) + (12) + (14)	
	but not less than 80% nor greater than 120% of (6)	\$1,313,706,961
(16)	Ratio of actuarial value to market value	91.21%
(17)	Actuarial Value Return for 2020	9.10%
(18)	Actuarial Value Return for 2021	11.35%
(19)	Market Value Return for 2020	13.07%
(20)	Market Value Return for 2021	16.37%

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## **Unfunded Actuarial Accrued Liabilities**

Under the Entry Age Normal Actuarial Cost Method, the Actuarial Accrued Liability represents what the accumulated assets would have been as of the valuation date if:

- current plan provisions and assumptions had always been in effect,
- experience conformed exactly to assumptions, and
- the normal cost had been contributed each year since inception.

The actuarial value of the Fund's assets as of the end of the prior year are subtracted from the Actuarial Accrued Liability (AAL) to determine the Unfunded Actuarial Accrued Liability (UAAL) as of the valuation date. Over time, annual pension contributions will accumulate Plan assets equal to the AAL, and the UAAL will be eliminated. Thereafter, annual contributions equal to the normal cost will keep the Plan's assets and liabilities in balance. The UAAL is developed in Table VI.

	Table VI	
	January 1, 2020	January 1, 2022
Actuarial Accrued Liability	\$1,777,175,521	\$1,908,113,973
Actuarial Assets	<u>1,083,858,357</u>	<u>1,313,706,961</u>
Unfunded Actuarial Accrued Liability	\$693,317,164	\$594,407,012
Funded Status	61.0%	68.8%

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# **Appropriations**

The pension appropriation for the upcoming fiscal years have been calculated in accordance with the requirements set forth in Section 22D of Chapter 32 of the Massachusetts General Laws. These amounts were calculated to comply with the June 30, 2028, full funding mandate for all accrued liabilities. The pension appropriation is the sum of the:

- Employer normal cost,
- Increasing amortization of the unfunded actuarial accrued liability by June 30, 2029 \$ 594,225,529 over 7 years with 7.0% increasing payments
- Level amortization of the 2013 Early Retirement Incentive June 30, 2028 \$ 181,483 over 6 years
- Interest adjustment for payments deposited semiannually.

#### Table VII

	January 1, 2020	January 1, 2022
Normal cost	\$6,217,452	\$6,241,156
Amortization payment of the accrued liability	79,542,654	86,977,465
Amortization payment of 2002 ERI liability	0	0
Amortization payment of 2003 ERI liability	0	0
Amortization payment of 2011 ERI liability	<u>36,254</u>	36,254
Total cost	\$85,796,360	\$93,254,875
% of Pay	29.1%	29.4%
Fiscal 2023 cost	\$94,655,942	\$94,655,942
Fiscal 2024 cost	\$97,968,998	\$103,932,225

# **Appropriation Forecast**

The following exhibit forecasts employer and employee contributions over the next 32 years under the adopted funding schedule.

Note that the forecast is based upon an "open group" method. This method assumes that sufficient employees will be hired each year to keep the number constant. The total payroll of the system is expected to increase 3.75% per year. The employee contribution rate is expected to increase to 10.5% by 2041 as members contributing base percentages 5%, 7%, and 8% are replaced by new members, whose base contribution is 9%. Payments are assumed to be made twice per year.

The employer total cost is expected to increase during the next 6 years until the unfunded liabilities are completely paid off, at which time only the normal cost will remain. The total cost represents about 32% of payroll, increasing to about 37% by the time the unfunded liabilities are fully paid off, leaving only a normal cost of 1% thereafter. The increase in the cost as a percentage of payroll is a result of the high rate of increase in amortization payments, offset by the increase in member deductions and the effect of the 2012 pension plan modifications to benefits.

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**Appropriation Forecast** 

			Appropri	ation Porcease			
Fiscal Year <u>Ending</u>	Employee <u>Contribution</u>	Employer Normal Cost <u>with Interest</u>	Amortization Payments with Interest	Employer Total Cost <u>with Interest</u>	Employer Total Cost <u>% of Payroll</u>	Unfunded <u>Liability</u>	Funded <u>Ratio %**</u>
2023	\$28,368,227	\$6,605,074	\$88,050,868	\$94,655,942	29.9	\$594,407,012	68.8
2024	\$29,673,467	\$6,597,255	\$97,334,970	\$103,932,225	31.6	\$551,704,957	71.4
2025	\$31,036,706	\$6,579,562	\$106,642,410	\$113,221,972	33.2	\$496,007,859	74.8
2026	\$32,460,461	\$6,551,264	\$114,104,693	\$120,655,957	34.1	\$426,293,991	78.8
2027	\$33,947,351	\$6,511,592	\$122,089,336	\$128,600,928	35.0	\$343,478,679	83.2
2028	\$35,500,111	\$6,459,732	\$130,632,904	\$137,092,636	36.0	\$245,997,382	88.2
2029	\$37,121,589	\$6,394,824	\$139,736,154	\$146,130,978	37.0	\$132,125,052	93.8
2030	\$38,814,756	\$6,315,965	\$0	\$6,315,965	1.5	\$0	100.0
2031	\$40,582,709	\$6,222,199	\$0	\$6,222,199	1.5	\$0	100.0
2032	\$42,428,674	\$6,112,519	\$0	\$6,112,519	1.4	\$0	100.0
2033	\$44,356,018	\$5,985,862	\$0	\$5,985,862	1.3	\$0	100.0
2034	\$46,368,247	\$5,841,111	\$0	\$5,841,111	1.2	\$0	100.0
2035	\$48,469,018	\$5,677,085	\$0	\$5,677,085	1.2	\$0	100.0
2036	\$50,662,141	\$5,492,544	\$0	\$5,492,544	1.1	\$0	100.0
2037	\$52,951,589	\$5,286,179	\$0	\$5,286,179	1.0	\$0	100.0
2038	\$55,341,501	\$5,056,612	\$0	\$5,056,612	0.9	\$0	100.0
2039	\$57,836,194	\$4,802,394	\$0	\$4,802,394	0.8	\$0	100.0
2040	\$60,440,165	\$4,521,999	\$0	\$4,521,999	0.8	\$0	100.0
2041	\$63,158,102	\$4,213,821	\$0	\$4,213,821	0.7	\$0	100.0
2042	\$65,994,890	\$3,876,170	\$0	\$3,876,170	0.6	\$0	100.0
2043	\$68,955,621	\$3,507,270	\$0	\$3,507,270	0.5	\$0	100.0
2044	\$72,045,601	\$3,105,252	\$0	\$3,105,252	0.5	\$0	100.0
2045	\$74,747,311	\$3,221,699	\$0	\$3,221,699	0.5	\$0	100.0
2046	\$77,550,335	\$3,342,513	\$0	\$3,342,513	0.5	\$0	100.0
2047	\$80,458,473	\$3,467,857	\$0	\$3,467,857	0.5	\$0	100.0
2048	\$83,475,666	\$3,597,902	\$0	\$3,597,902	0.5	\$0	100.0
2049	\$86,606,003	\$3,732,823	\$0	\$3,732,823	0.5	\$0	100.0
2050	\$89,853,728	\$3,872,804	\$0	\$3,872,804	0.5	\$0	100.0
2051	\$93,223,243	\$4,018,034	\$0	\$4,018,034	0.5	\$0	100.0
2052	\$96,719,115	\$4,168,710	\$0	\$4,168,710	0.5	\$0	100.0
2053	\$100,346,082	\$4,325,037	\$0	\$4,325,037	0.5	\$0	100.0
2054	\$104,109,060	\$4,487,226	\$0	\$4,487,226	0.5	\$0	100.0

# **EXHIBITS**

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Exhibit 1 - Age/Service Distribution with Salary as of January 1, 2022

Attained Age	Average Salary <5	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40+	Total
< 20	7	0	0	0	0	0	0	0	0	7
	26,226	0	0	0	0	0	0	0	0	26,226
20-24	208	4	0	0	0	0	0	0	0	212
	37,708	52,148	0	0	0	0	0	0	0	37,981
25-29	382	60	1	0	0	0	0	0	0	443
	45,375	56,493	0	0	0	0	0	0	0	46,961
30-34	265	197	24	0	0	0	0	0	0	486
	49,949	71,534	78,891	0	0	0	0	0	0	60,128
35-39	201	128	85	40	4	2	0	0	0	460
	43,746	65,835	79,399	80,874	110,052	0	0	0	0	60,263
40-44	322	127	52	96	31	1	0	0	0	629
	37,272	57,840	77,878	81,320	87,203	114,137	0	0	0	54,088
45-49	204	135	63	85	110	38	2	0	0	637
	37,706	46,147	55,017	74,022	89,127	97,035	71,806	0	0	58,579
50-54	218	198	96	104	101	86	32	2	0	837
	38,892	42,561	52,045	63,211	80,262	100,095	104,381	129,371	0	58,291
55-59	159	204	155	169	132	71	66	20	1	977
	37,921	47,423	43,723	51,595	63,519	87,844	94,391	95,520	93,334	55,328
60-64	88	107	94	149	162	81	43	15	8	747
	39,987	48,192	46,630	49,563	51,072	58,014	80,455	83,028	135,132	52,480
65-69	30	40	32	65	54	42	19	5	2	289
	39,964	44,470	38,429	46,633	47,117	50,639	60,772	72,238	89,989	47,078
70+	26	19	8	17	11	9	11	0	3	104
	26,746	30,358	47,047	43,630	46,893	49,965	39,376	#DIV/0!	48,849	37,841
Total Employees	s 2,110	1,219	610	725	605	330	173	42	14	5,828
Average Salary	41,234	53,573	55,608	60,393	67,392	78,552	85,323	#DIV/0!	107,208	54,376

	Number	of Employe	ees	Tota	l Payments	
Attained Age	Female	Male	Total	Female	Male	Total
< 20	0	0	0	0	0	0
20-24	0	0	0	0	0	0
25-29	0	0	0	0	0	0
30-34	2	0	2	34,972	0	34,972
35-39	4	0	4	40,990	0	40,990
40-44	0	3	3	0	34,739	34,739
45-49	2	4	6	13,766	128,881	142,647
50-54	13	34	47	345,118	1,780,417	2,125,535
55-59	102	89	191	1,799,647	4,531,205	6,330,853
60-64	270	185	455	4,520,962	8,170,680	12,691,641
65-69	512	342	854	10,631,530	14,439,484	25,071,013
70-74	584	361	945	12,407,668	13,887,093	26,294,761
75-79	481	283	764	9,140,671	9,997,273	19,137,944
80-84	312	150	462	6,067,165	4,464,935	10,532,100
85-89	201	73	274	3,254,915	1,930,898	5,185,813
90-94	86	22	108	1,461,202	437,353	1,898,555
95+	43	6	49	503,152	129,885	633,036
Fotal	2612	1552	4164	50,221,758	59,932,843	110,154,600
Average (Age/Payment)	74.07	71.8	73.22	19,227	38,617	26,454
Frequency Percent	62.7	37.3	100	45.6	54.4	100

#### Exhibit 2 - Retiree Distribution as of January 1, 2022

	Number	of Employ	ees	Tota	l Payments	
Attained Age	Female	Male	Total	Female	Male	Total
< 20	0	0	0	0	0	0
20-24	0	0	0	0	0	0
25-29	0	0	0	0	0	0
30-34	0	0	0	0	0	0
35-39	1	0	1	32,619	0	32,619
40-44	0	2	2	0	105,019	105,019
45-49	3	11	14	96,672	597,622	694,294
50-54	9	25	34	366,654	1,124,576	1,491,230
55-59	11	45	56	373,457	1,973,834	2,347,290
60-64	18	44	62	575,224	1,910,056	2,485,280
65-69	10	52	62	241,807	1,983,281	2,225,087
70-74	10	48	58	208,162	1,673,756	1,881,918
75-79	12	43	55	334,732	1,484,105	1,818,838
80-84	4	25	29	89,335	774,809	864,143
85-89	0	9	9	0	271,198	271,198
90-94	0	2	2	0	38,998	38,998
95-99	0	0	0	0	0	C
tal	78	306	384	2,318,662	11,937,253	14,255,914
verage (Age/Payment)	65.17	67.33	66.89	29,726	39,011	37,125
equency Percent	20.3	79.7	100	16.3	83.7	100

#### Exhibit 3 - Disabled Retiree Distribution as of January 1, 2022

# **EXHIBIT 4 - CASHFLOW FORECAST:**

The following is a 30 year forecast of benefit payments net of state reimbursable COLA payments, Contribution Income and Investment Returns.

Plan Year Ending	Benefit Payments	Employee Contributions	Employer Contributions	Investment Returns	Net change in plan assets
2022	\$155,841,411	\$28,368,227	\$94,655,942	\$98,991,375	\$66,174,133
2023	143,222,989	29,673,467	103,932,225	105,055,864	95,438,567
2024	148,249,971	31,036,706	113,221,972	112,719,523	108,728,230
2025	152,997,160	32,460,461	120,655,957	121,267,819	121,387,077
2026	157,600,377	33,947,351	128,600,928	130,830,325	135,778,227
2027	162,134,483	35,500,111	137,092,636	141,541,374	151,999,638
2028	166,755,557	37,121,589	146,130,978	153,539,183	170,036,193
2029	171,062,423	38,814,756	6,315,965	163,995,282	38,063,580
2030	175,105,477	40,582,709	6,222,199	166,864,102	38,563,533
2031	178,556,285	42,428,674	6,112,519	169,796,886	39,781,794
2032	181,519,066	44,356,018	5,985,862	172,846,264	41,669,078
2033	183,981,533	46,368,247	5,841,111	176,065,489	44,293,314
2034	185,781,829	48,469,018	5,677,085	179,518,950	47,883,225
2035	186,931,322	50,662,141	5,492,544	183,282,356	52,505,719
2036	187,541,389	52,951,589	5,286,179	187,432,829	58,129,208
2037	187,534,466	55,341,501	5,056,612	192,052,310	64,915,956
2038	187,044,890	57,836,194	4,802,394	197,227,332	72,821,030
2039	185,921,590	60,440,165	4,521,999	203,051,925	82,092,498
2040	184,208,882	63,158,102	4,213,821	209,632,111	92,795,152
2041	182,084,760	65,994,890	3,876,170	217,073,857	104,860,157
2042	179,661,493	68,955,621	3,507,270	225,480,255	118,281,653
2043	177,082,799	72,045,601	3,105,252	234,952,727	133,020,781
2044	174,249,995	74,747,311	3,221,699	245,568,506	149,287,521
2045	171,248,915	77,550,335	3,342,513	257,472,952	167,116,886
2046	168,119,448	80,458,473	3,467,857	270,787,626	186,594,508
2047	164,752,576	83,475,666	3,597,902	285,646,582	207,967,575
2048	161,134,164	86,606,003	3,732,823	302,199,682	231,404,344
2049	157,285,459	89,853,728	3,872,804	320,608,668	257,049,741
2050	153,304,512	93,223,243	4,018,034	341,043,733	284,980,498
2051	149,170,665	96,719,115	4,168,710	363,685,701	315,402,861

# **EXHIBIT 5 – SUMMARY OF PLAN PROVISIONS:**

This summary is prepared in accordance with Chapter 32 as of January 1, 2022, and does not take into account any subsequent changes.

### 1. Administration

Each of the 104 contributory retirement systems for public employees of the Commonwealth of Massachusetts are guided by the applicable provisions of Chapter 32 of the Massachusetts General Laws and other applicable statutes. Although these boards operate semi-independently, there is a uniform set of rules governing benefits, eligibility, contributions, financing, and accounting.

### 2. <u>Participation</u>

Participation is mandatory for all full-time employees whose employment commences prior to age 65. Eligibility with respect to part-time, professional, temporary, or intermittent employment is governed by the local board. Membership is optional for certain elected officials, State officials appointed by the Governor, and certain hospital interns.

There are four classes of membership as follows:

- (i) <u>Group 1</u>: Most general employees in State and local government
- (ii) <u>Group 2</u>: Certain specified hazardous duty positions
- (iii) <u>Group 3</u>: State police officers and inspectors
- (iv) <u>Group 4</u>: Local police officers, firefighters, and designated employees of the municipal light department.

For members in more than one group, participation will be proportional.

Chapter 176 of the Acts of 2011 created different plan provisions within these groups for those hired on or after April 2, 2012.

#### 3. <u>Salary</u>

Salary is defined as gross regular compensation. Salary <u>does not</u> include bonuses, overtime, severance pay, unused sick leave credit, or other similar compensation.

#### 4. <u>Member Contributions</u>

Member contributions vary depending upon date hired as follows:

Date of Hire	Member Contribution Rate
Prior to 1975	5.0% of Salary
1975 to 1983	7.0% of Salary
1984 to 1996	8.0% of Salary
1996 and Later plus	9.0% of Salary
1979 and Later	2.0% of Salary in excess of \$30,000

For Group 1 employees who become members on or after April 2, 2012, the Contribution Rate shall be 6% after the completion of 30 years of service.

#### 5. <u>Average Salary</u>

Average salary is used to determine a participant's benefit. It is defined as the average salary during the three consecutive-year period that produces the highest average. (Alternatively, if a greater amount results, it is the average rate of salary earned during the period or periods, whether or not consecutive, that constitutes the last three years preceding retirement.). For employees who become members on or after April 2, 2012, the averaging period shall be five years.

#### 6. <u>Creditable Service</u>

In general, creditable service is awarded during the period in which a member contributes to the retirement system.

#### 7. <u>Service Retirement</u>

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#### a. <u>Eligibility</u>:

For an employee to be eligible for service retirement (also referred to as superannuation), one of the following conditions must be met:

- (i) completion of 20 years of service
- (ii) for an employee hired prior to January 1, 1978, attainment of age 55 as an active member
- (iii) for an employee hired on or after January 1, 1978, attainment of age 55 as an active member and completion of ten years of service
- (iv) for a Group 1 employee hired on or after April 2, 2012, attainment of age 60 and completion of ten years of service

# b. <u>Benefit Amount</u>:

The retirement allowance is determined as a product of the participant's Benefit Rate times Average Salary times Creditable Service, where Benefit Rate is determined from the following table for those hired prior to April 2, 2012:

Age at	Perce	ntage of Average	Salary
<u>Retirement</u>	Group 1	Group 2	Group 4
<b></b>	. <b></b>		
65 or Over	.025	.025	.025
64	.024	.025	.025
63	.023	.025	.025
62	.022	.025	.025
61	.021	.025	.025
60	.020	.025	.025
59	.019	.024	.025
58	.018	.023	.025
57	.017	.022	.025
56	.016	.021	.025
55	.015	.020	.025
55 54	.013	.020	.023
53	.013	.013	.023
52	.012	.013	.023
51	.012	.012	.022
01	.011	.011	.021
50	.010	.010	.020
49	.009	.009	.019
48	.008	.008	.018
47	.007	.007	.017
46	.006	.006	.016
45	.005	.005	.015
44	.003	.005	.013
43	.004	.003	.004
42	.003	.003	.003
42	.002	.002	.002
41	.001	.001	.001

For those hired after April 1, 2012 who retire with less than 30 years of service, the following rates are applied:

Age at	Perce	ntage of Average	Salary
Retirement	Group 1	Group 2	Group 4
67 or Over	.0250	.0250	.0250
66	.0235	.0250	.0250
65	.0220	.0250	.0250
64	.0205	.0250	.0250
63	.0190	.0250	.0250
62	.0175	.0250	.0250
61	.0160	.0235	.0250
60	.0145	.0220	.0250
59		.0205	.0250
58		.0190	.0250
57		.0175	.0250
56		.0160	.0235
55		.0145	.0220
54			.0205
53			.0190
52			.0175
51			.0160
50			.0145

Percentage of Average Salary				
<u>Group 1</u>	Group 2	Group 4		
.02500	.02500	.02500		
.02375	.02500	.02500		
.02250	.02500	.02500		
.02125	.02500	.02500		
.02000	.02500	.02500		
.01875	.02500	.02500		
.01750	.02375	.02500		
.01625	.02250	.02500		
	.02125	.02500		
	.02000	.02500		
	.01875	.02500		
	.01750	.02375		
	.01625	.02250		
		.02125		
		.02000		
		.01875		
		.01750		
		.01625		
	<u>Group 1</u> .02500 .02375 .02250 .02125 .02000 .01875 .01750	$\begin{tabular}{ c c c c c } \hline Group 1 & Group 2 \\ \hline 0.02500 & .02500 \\ .02375 & .02500 \\ .02250 & .02500 \\ .02125 & .02500 \\ .02000 & .02500 \\ \hline 0.01875 & .02500 \\ .01750 & .02375 \\ .01625 & .02250 \\ .02125 & .02000 \\ \hline 0.01875 & .02000 \\ \hline 0.01875 & .01750 \\ \hline \end{tabular}$		

For those hired after April 1, 2012 who retire with at least 30 years of service, the following rates are applied:

### 8. Deferred Vested Retirement

a. <u>Eligibility</u>:

A participant who has completed ten or more years of creditable service is eligible for a deferred vested retirement benefit. If termination is involuntary, the participant is vested after six years.

b. <u>Benefit Amount</u>:

The participant's accrued benefit is payable commencing at age 55, or may be deferred until later at the employee's option.

#### c. <u>Refund of Contributions</u>:

In lieu of the deferred pension benefit, a member may elect to receive a refund of their accumulated contributions. Members with ten or more years of service are entitled to 100% of the credited interest on their contributions. Members with five to ten years of service are entitled to 50% of the credited interest on their contributions. No credited interest is provided for members with less than five years of service.

### 9. Accidental Disability

#### a. <u>Eligibility</u>:

Participants are eligible for an accidental disability benefit, regardless of service or age, if they become permanently and totally incapacitated for further duty as a result of personal injury sustained while in the performance of duties.

#### b. Benefit Amount:

The accidental disability amount is 72% of annual salary plus \$450 per year for each child plus an additional annuity based upon accumulated Member Contributions with credited interest.

#### 10. Ordinary Disability

#### a. <u>Eligibility</u>:

An ordinary disability occurs when a member becomes permanently and totally disabled due to sickness or injury that is not job related. In order to be eligible for an ordinary disability benefit, a member must have ten years of service (and be less than age 55 or age 60 if hired on or after April 2, 2012).

#### b. <u>Benefit Amount</u>:

The ordinary disability amount is equal to the accrued retirement benefit as if the member were age 55 (age 60 if hired on or after April 2, 2012). If the member was a veteran, the benefit is 50% of the member's final rate of Salary during the preceding 12 months, plus an annuity based upon accumulated Member Contributions plus credited interest. If the participant is over age 55 (age 60 if hired on or after April 2, 2012), he

will receive not less than the superannuation allowance to which he is entitled.

#### 11. Survivor Benefits

#### a. <u>Occupational Death</u>:

The survivors of a member who dies due to an occupational injury will be entitled to a lump sum return of contributions plus a pension benefit equal to 72% of the participant's annual Salary.

#### b. <u>Non-Occupational Death</u>:

Upon the death of a member other than due to an occupational injury, the designated beneficiary will be entitled to a retirement benefit as if Option C had been elected with a minimum of \$250 per month to the surviving spouse, plus \$120 for the first child, plus \$90 for each additional child. If no beneficiary is designated and if the employee worked two years, and is married at least one year, the spouse may elect benefits. If there is no designated beneficiary or surviving spouse, then member contributions are returned. If there are dependent children but no surviving spouse, they may elect minimum survivor benefits of \$250 per month plus \$120 for the first child and \$90 for each additional child.

#### c. <u>Refund of Contributions</u>:

Upon the death of a member not entitled to survivor benefits, the beneficiary is entitled to a refund of all member contributions with interest.

#### 12. Cost-of-Living Increases

In accordance with the adoption of Chapter 17 of the Acts of 1997, the granting of a cost-ofliving adjustment will be determined by an annual vote by the Retirement Board. The amount of increase will be based upon the Consumer Price Index, limited to a maximum of 3.0%, beginning on July 1. All retirees, disabled retirees, and beneficiaries who have been receiving benefits payments for at least one year as of July 1 are eligible for the adjustment. The maximum amount of pension benefit subject to a COLA is \$16,000. All COLAs granted to members after 1981 and prior to July 1, 1998 are deemed to be an obligation of the State and are not the liability of the Retirement System.

#### 13. Postretirement Death Benefits

Any benefits following the death of a member after retirement are based upon the form of benefit the participant elected at the time of retirement. There are three available forms as follows:

- (i) Option A Life annuity
- (ii) Option B Life annuity with death benefit equal to excess of member contributions plus credited interest to retirement over annuity benefit paid to member
- (iii) Option C Life annuity with 66-2/3% of benefit continued after death of member to designated joint annuitant

# **EXHIBIT 6 – ACTUARIAL METHODS AND ASSUMPTIONS:**

The actuarial cost method, factors, and assumptions used in determining cost estimates are presented below.

#### 1. Member Data

The member data used in the determination of cost estimates consist of pertinent information with respect to the active, inactive, retired, and disabled members of the employer as supplied by the employer to the actuary.

#### 2. Valuation Date

January 1, 2022.

#### 3. <u>Actuarial Cost Method</u>

The costs of the Plan have been determined in accordance with the individual entry age normal actuarial cost method.

#### 4. <u>Rate of Investment Return</u>

It is assumed that the assets of the fund will accumulate at a compound annual rate of 7.875% per annum, net of investment expenses. The rationale for the selection of this rate is based on past performance and future expectations. Since 1987 the fund has had an average return of 8.75%. The asset policy continues to have a high concentration in equities and equity like investments. The Board continues to take an aggressive posture in its investment allocations.

#### 5. <u>Salary Scale</u>

It is assumed that salaries including longevity will increase at a rate of 3.75% per year. The rationale for this assumption is based on the 2015 Experience Study and the history of municipal revenue and Proposition 2-1/2. The member units are limited to how much it can raise in property tax revenue to 2.5% of the previous year's figure, plus new growth. This restriction limits the largest portion of their revenue to about 3% per year. By extension, payroll increases are limited by the growth in revenue. Over an employee's career, promotions are expected to add .75% to the increases.

#### 6. <u>Cost-of-Living Increases</u>

Cost-of-living increases have been assumed to be 3.0% of the lesser of the pension amount and \$16,000 per year. Under State law the increase is limited to 3% or CPI. The Board has always granted 3%.

#### 7. <u>Value of Investments</u>

Assets held by the fund are valued at market value as reported by the Public Employees' Retirement Administration Commission (PERAC). The actuarial value of assets is determined using a five-year smoothing of asset returns greater than or less than the assumed rate of return, with a 20% corridor.

#### 8. <u>Annual Rate of Withdrawal Prior to Retirement</u>

Based on an analysis of experience, the assumed annual rates of withdrawal may best be illustrated by the following rates at the following ages:

	General	<b>Police and Fire</b>
<u>Service</u>	<b>Employees</b>	<b>Employees</b>
0	0.1821	0.1500
5	0.1020	0.1000
10	0.0650	0.0600
15	0.0417	0.0600
20	0.0400	0.0000
25	0.0400	0.0000

#### 9. <u>Annual Rate of Mortality</u>

It is assumed that both pre-retirement mortality and beneficiary mortality is represented by the RP-2014 Blue Collar Mortality with Scale MP-2016, fully generational. Mortality for retired members for Group 1 and 2 is represented by the RP-2014 Blue Collar Mortality Table set forward five years for males and 3 years for females, fully generational. Mortality for retired members for Group 4 is represented by the RP-2014 Blue Collar Mortality Table set forward three years for males, and six years for females, fully generational. Mortality for disabled members for Group 1 and 2 is represented by the RP-2000 Mortality Table set forward six years. Mortality for disabled members for Group 4 is represented by the RP-2000 Mortality Table set forward six years. Mortality for disabled members for Group 4 is represented by the RP-2000 Mortality Table set forward six years. Mortality for disabled members for Group 4 is represented by the RP-2000 Mortality Table set forward six years. Mortality for disabled members for Group 4 is represented by the RP-2000 Mortality Table set forward six years. Generational adjusting is based on Scale MP-2016.

### 10. Service Retirement

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Based on an analysis of experience, the assumed annual retirement rates are illustrated at the following ages for those hired prior to April 2, 2012:

	Male	Female	Male and Female
	General	General	Police and Fire
<u>Age</u>	<u>Employees</u>	<b>Employees</b>	<b>Employees</b>
50	0.0360	0.1019	0.0382
51	0.0405	0.0714	0.0351
52	0.0437	0.0562	0.0436
53	0.0366	0.0448	0.0527
54	0.0451	0.0488	0.0999
55	0.0477	0.0469	0.1110
56	0.0574	0.0518	0.1413
57	0.0632	0.0509	0.1292
58	0.0765	0.0552	0.1499
59	0.0917	0.0645	0.1679
60	0.1057	0.0774	0.1871
61	0.1224	0.1038	0.2073
62	0.1473	0.1168	0.2176
63	0.1777	0.1440	0.3338
64	0.2136	0.1708	0.5664
65	0.2615	0.1939	1.0000
66	0.2682	0.1959	1.0000
67	0.2500	0.2000	1.0000
68	0.2500	0.2000	1.0000
69	0.2500	0.2000	1.0000
70 to 76	0.2500	0.2500	1.0000
77 to 79	0.3500	0.2500	1.0000
80	1.0000	1.0000	1.0000

Based on an analysis of experience, the assumed annual retirement rates are illustrated at the following ages for those hired on or after April 2, 2012:

Åga	Male General	Female General	Male and Female Police and Fire
<u>Age</u> 50	<u>Employees</u> 0.0000	Employees 0.0000	<u>Employees</u> 0.0191
50 51	0.0000	0.0000	0.0176
52	0.0000	0.0000	0.0436
53	0.0000	0.0000	0.0211
54	0.0000	0.0000	0.0266
55	0.0000	0.0000	0.0370
56	0.0000	0.0000	0.1060
57	0.0000	0.0000	0.1938
58	0.0000	0.0000	0.1499
59	0.0000	0.0000	0.1119
60	0.0477	0.0469	0.0936
61	0.0574	0.0518	0.1555
62	0.0632	0.0509	0.1741
63	0.0765	0.0552	0.2670
64	0.0917	0.0645	0.4720
65	0.1057	0.0774	1.0000
66	0.1224	0.1038	1.0000
67	0.1473	0.1168	1.0000
68	0.1777	0.1440	1.0000
69	0.2136	0.1708	1.0000
70	0.2615	0.1939	1.0000
70 to 76	0.2682	0.1959	1.0000
77 to 79	0.2500	0.2000	1.0000

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#### 12. Annual Rate of Disability Prior to Retirement

Based on an analysis of experience, the assumed annual rates of disability may best be illustrated by the following probabilities at the following ages:

Attained <u>Age</u>	General <u>Employees</u>	Police and Fire <u>Employees</u>
20	0.000100	0.000500
30	0.000152	0.000967
40	0.000663	0.002500
50	0.001271	0.007634

In addition, it is assumed for the general employees that 45% of all disabilities are ordinary (55% are service connected). For police and fire employees, 10% of all disabilities are assumed to be ordinary (90% are service connected).

#### 13. Family Composition

It is assumed that 80% of all male members will be survived by a spouse and 60% of all female members will be survived by a spouse. Females (males) are three years younger (older) than members.

#### 14. Administrative Expenses

The normal cost is increased by an amount equal to the anticipated administrative expenses for the upcoming fiscal year. The amount for fiscal year 2022 is \$2,000,000 and is anticipated to increase at 3.75% per year.

# **EXHIBIT 7 – GLOSSARY OF TERMS:**

This glossary summarizes the technical terms contained in this report.

### 1. <u>Actuarial Accrued Liability</u>

That portion of the Actuarial Present Value of projected plan benefits that is not provided for by future employer Normal Costs or employee contributions.

#### 2. <u>Actuarial Assumptions</u>

Assumptions as to the occurrence of future events affecting the Retirement System such as:

- Rates of investment returns
- Increases in a member's salary
- Inflation
- The probability of mortality, turnover, disablement
- Retirement at each age and other relevant items

#### 3. Actuarial Cost Method

A procedure for allocating the Actuarial Present Value of projected pension plan benefits between Normal Cost and Actuarial Accrued Liability.

#### 4. Actuarial Present Value

The single sum amount required at the valuation date that is required to provide for anticipated future events based upon the terms of the plan and the Actuarial Assumptions.

#### 5. <u>Forecast</u>

A projection of future benefit payments or contribution requirements based upon the terms of the plan, the current asset amounts, the Actuarial Assumptions, and additional assumptions as to the replacement of terminating employees with new employees.

#### 6. <u>Normal Cost</u>

That portion of the Actuarial Present Value of future benefits that is assigned to the current year.

### 7. <u>Unfunded Actuarial Accrued Liability</u>

That portion of the Actuarial Accrued Liability that is not provided for by current actuarial value of assets.

### 8. Actuarial Valuation Method

The method used to divide the cost of future benefits among the Actuarial Accrued Liability, the current year's Normal Costs, and future years' Normal Costs. The resulting current funding requirement is then determined as the current year's Normal Cost plus the payment necessary to amortize the Unfunded Actuarial Liability.

#### 9. Vested Liability

That portion of the Actuarial Present Value of Accrued Benefits that a member would be entitled to if the member terminated employment with the employer as of the valuation date.

# **CERTIFICATION:**

This report fairly represents the actuarial position of the Plymouth County Retirement System contributing as of January 1, 2022, in accordance with generally accepted actuarial principles applied consistently with the preceding valuation. In our opinion, the actuarial assumptions used to compute actuarial accrued liability and normal cost are reasonably related to plan experience and to reasonable expectations, and represents our best estimate of anticipated plan experience.

The funded status measure is appropriate for assessing the sufficiency of plan assets to cover the estimated cost of settling the plan's benefit obligations. The funded status measure is appropriate for assessing the need for or the amount of future contributions. The funded status measure would be different if the measure reflected the market value of assets rather than the actuarial value of assets.

Future actuarial measurements may differ significantly from the current measurements presented in this report due to such factors as the following: plan experience differing from that anticipated by the economic or demographic assumptions; changes in economic or demographic assumptions; increases or decreases expected as part of the natural operation of the methodology used for these measurements (such as the end of an amortization period or additional cost or contribution requirements based on the plan's funded status); and changes in plan provisions or applicable law. Due to the limited scope of our assignment, we did not perform an analysis of the potential range of such future measurements.

The report was prepared under the supervision of Daniel Sherman, an Associate of the Society of Actuaries and a Member of the American Academy of Actuaries, who takes responsibility for the overall appropriateness of the analysis, assumptions and results. Daniel Sherman is deemed to meet the General Qualification Standard and the basic education and experience requirement in the pension area. Based on over thirty years of performing valuations of similar complexity, Mr. Sherman is qualified by experience. Daniel Sherman has met the Qualification Standards of the American Academy of Actuaries to render the actuarial opinion contained herein.

Sherman Actuarial Services, LLC

Daniel W. Sherman

Daniel W. Sherman, ASA, MAAA

August, 2022

Plymouth22

# BREAKOUTS

## **County of Plymouth**

Actuarial Valuation as of January 1, 2022

Participants	
Actives	72
Inactives	11
Retirees and Disableds	212
Total	295
Payroll	3,916,347
Average	54,394
Valuation Results	
Normal Cost	
Employee	339,206
Employer	49,286
Administrative Expense	80,133
Total	468,625
Actuarial Accrued Liability	
Actives	11,438,051
Inactives	160,432
Retirees and Disableds	55,660,583
Total	67,259,066
Assets	\$58,200,038
Unfunded Actuarial Accrued Liability	\$9,059,028
	ф1 <b>сос</b> одс
FY24 Contribution - semiannual payments FY24 Contribution - July payment	\$1,626,046 \$1,595,808
FY25 Contribution - semiannual payments	\$1,774,582
FY25 Contribution - July payment	\$1,741,581
1 1 25 Contribution - July Payment	φ1,/ <del>4</del> 1,301



## Hospital

Actuarial Valuation as of January 1, 2022

Participants	
Actives	0
Inactives	1
Retirees and Disableds	48
Total	49
Payroll	0
Average	0
Valuation Results	
Normal Cost	
Employee	0
Employer	0
Administrative Expense	0
Total	0
Actuarial Accrued Liability	
Actives	0
Inactives	68,161
Retirees and Disableds	5,443,090
Total	5,511,251
Assets	\$5,511,251
Unfunded Actuarial Accrued Liability	\$0
FY24 Contribution - semiannual payments	\$0
FY24 Contribution - July payment	\$0
FY25 Contribution - semiannual payments	\$0
FY25 Contribution - July payment	\$0



### Abington

Actuarial Valuation as of January 1, 2022

Participants	
Actives	248
Inactives	75
Retirees and Disableds	159
Total	482
Payroll	12,122,927
Average	48,883
Valuation Results	
Normal Cost	
Employee	1,075,771
Employer	205,193
Administrative Expense	73,459
Total	1,354,423
Actuarial Accrued Liability	
Actives	24,304,395
Inactives	896,150
Retirees and Disableds	41,508,847
Total	66,709,392
Assets	\$45,409,252
Unfunded Actuarial Accrued Liability	\$21,300,140
FY24 Contribution - semiannual payments	\$3,789,544
FY24 Contribution - July payment	\$3,719,073
FY25 Contribution - semiannual payments	\$4,121,716
FY25 Contribution - July payment	\$4,045,068



# Bridgewater

Actuarial Valuation as of January 1, 2022

Actives184Inactives17Retirees and Disableds149Total350Payroll15,593,676Average84,748Valuation ResultsNormal CostEmployee1,441,675Employer44,118Administrative Expense108,561Total1,594,354Actuarial Accrued Liability41,196,388Inactives392,300Retirees and Disableds56,997,654Total98,586,342Assets\$67,107,972Unfunded Actuarial Accrued Liability\$31,478,370FY24 Contribution - semiannual payments\$5,232,000FY25 Contribution - semiannual payments\$5,232,000FY25 Contribution - semiannual payments\$5,828,568FY25 Contribution - July payment\$5,232,000FY25 Contribution - July payment\$5,232,000	Participants	
Retirees and Disableds149 350Payroll15,593,676Average15,593,676Average84,748Valuation ResultsNormal CostEmployee1,441,675Employer44,118Administrative Expense108,561Total1,594,354Actuarial Accrued Liability392,300Retirees and Disableds56,997,654Total98,586,342Assets\$67,107,972Unfunded Actuarial Accrued Liability\$31,478,370FY24 Contribution - semiannual payments\$5,331,138FY24 Contribution - semiannual payments\$5,322,000FY25 Contribution - semiannual payments\$5,828,568	Actives	184
Total350Payroll15,593,676Average84,748Valuation ResultsNormal CostEmployee1,441,675Employer44,118Administrative Expense108,561Total1,594,354Actuarial Accrued Liability41,196,388Inactives392,300Retirees and Disableds56,997,654Total98,586,342Assets\$67,107,972Unfunded Actuarial Accrued Liability\$31,478,370FY24 Contribution - semiannual payments\$5,232,000FY25 Contribution - semiannual payments\$5,828,568	Inactives	17
Payroll Average15,593,676 84,748Valuation ResultsNormal Cost EmployeeEmployee1,441,675 44,118 Administrative ExpenseAdministrative Expense108,561 1,594,354Actuarial Accrued Liability Actives41,196,388 392,300 8teirees and DisabledsAssets\$6,997,654 98,586,342Assets\$67,107,972Unfunded Actuarial Accrued Liability\$31,478,370FY24 Contribution - semiannual payments\$5,331,138 \$5,232,000 \$525 Contribution - semiannual paymentsFY25 Contribution - semiannual payments\$5,828,568	Retirees and Disableds	149
Average84,748Valuation ResultsNormal Cost1,441,675Employee1,441,675Employer44,118Administrative Expense108,561Total1,594,354Actuarial Accrued Liability41,196,388Inactives392,300Retirees and Disableds56,997,654Total98,586,342Assets\$67,107,972Unfunded Actuarial Accrued Liability\$31,478,370FY24 Contribution - semiannual payments\$5,331,138FY24 Contribution - July payment\$5,232,000FY25 Contribution - semiannual payments\$5,828,568	Total	350
Valuation ResultsNormal CostEmployee1,441,675Employer44,118Administrative Expense108,561Total1,594,354Actuarial Accrued Liability41,196,388Inactives392,300Retirees and Disableds56,997,654Total98,586,342Assets\$67,107,972Unfunded Actuarial Accrued Liability\$31,478,370FY24 Contribution - semiannual payments\$5,331,138FY24 Contribution - semiannual payments\$5,232,000FY25 Contribution - semiannual payments\$5,828,568	Payroll	15,593,676
Normal CostImployeeEmployee1,441,675Employer44,118Administrative Expense108,561Total1,594,354Actuarial Accrued Liability41,196,388Inactives392,300Retirees and Disableds56,997,654Total98,586,342Assets\$67,107,972Unfunded Actuarial Accrued Liability\$31,478,370FY24 Contribution - semiannual payments\$5,331,138FY24 Contribution - semiannual payments\$5,232,000FY25 Contribution - semiannual payments\$5,828,568	Average	84,748
Employee1,441,675Employer44,118Administrative Expense108,561Total1,594,354Actuarial Accrued Liability41,196,388Inactives392,300Retirees and Disableds56,997,654Total98,586,342Assets\$67,107,972Unfunded Actuarial Accrued Liability\$31,478,370FY24 Contribution - semiannual payments\$5,331,138FY24 Contribution - semiannual payments\$5,232,000FY25 Contribution - semiannual payments\$5,828,568	Valuation Results	
Employer44,118Administrative Expense108,561Total1,594,354Actuarial Accrued Liability41,196,388Actives41,196,388Inactives392,300Retirees and Disableds56,997,654Total98,586,342Assets\$67,107,972Unfunded Actuarial Accrued Liability\$31,478,370FY24 Contribution - semiannual payments\$5,331,138FY24 Contribution - semiannual payments\$5,232,000FY25 Contribution - semiannual payments\$5,828,568	Normal Cost	
Administrative Expense108,561Total1,594,354Actuarial Accrued Liability41,196,388Actives41,196,388Inactives392,300Retirees and Disableds56,997,654Total98,586,342Assets\$67,107,972Unfunded Actuarial Accrued Liability\$31,478,370FY24 Contribution - semiannual payments\$5,331,138FY24 Contribution - semiannual payments\$5,232,000FY25 Contribution - semiannual payments\$5,828,568	Employee	1,441,675
Total1,594,354Actuarial Accrued Liability Actives41,196,388 392,300 Retirees and Disableds 56,997,654 TotalTotal56,997,654 98,586,342Assets\$67,107,972Unfunded Actuarial Accrued Liability\$31,478,370FY24 Contribution - semiannual payments FY24 Contribution - July payment\$5,232,000 \$5,232,000FY25 Contribution - semiannual payments\$5,828,568	Employer	44,118
Actuarial Accrued Liability Actives41,196,388 392,300 Retirees and Disableds 56,997,654 TotalTotal56,997,654 98,586,342Assets\$67,107,972Unfunded Actuarial Accrued Liability\$31,478,370FY24 Contribution - semiannual payments FY24 Contribution - July payment\$5,331,138 \$5,232,000 \$5,828,568	Administrative Expense	108,561
Actives41,196,388Inactives392,300Retirees and Disableds56,997,654Total98,586,342Assets\$67,107,972Unfunded Actuarial Accrued Liability\$31,478,370FY24 Contribution - semiannual payments\$5,331,138FY24 Contribution - semiannual payment\$5,232,000FY25 Contribution - semiannual payments\$5,828,568	Total	1,594,354
Inactives392,300Retirees and Disableds56,997,654Total98,586,342Assets\$67,107,972Unfunded Actuarial Accrued Liability\$31,478,370FY24 Contribution - semiannual payments\$5,331,138FY24 Contribution - semiannual payment\$5,232,000FY25 Contribution - semiannual payments\$5,828,568	Actuarial Accrued Liability	
Retirees and Disableds56,997,654Total98,586,342Assets\$67,107,972Unfunded Actuarial Accrued Liability\$31,478,370FY24 Contribution - semiannual payments\$5,331,138FY24 Contribution - July payment\$5,232,000FY25 Contribution - semiannual payments\$5,828,568	Actives	41,196,388
Total98,586,342Assets\$67,107,972Unfunded Actuarial Accrued Liability\$31,478,370FY24 Contribution - semiannual payments\$5,331,138FY24 Contribution - July payment\$5,232,000FY25 Contribution - semiannual payments\$5,828,568	Inactives	392,300
Assets\$67,107,972Unfunded Actuarial Accrued Liability\$31,478,370FY24 Contribution - semiannual payments\$5,331,138FY24 Contribution - July payment\$5,232,000FY25 Contribution - semiannual payments\$5,828,568	Retirees and Disableds	56,997,654
Unfunded Actuarial Accrued Liability\$31,478,370FY24 Contribution - semiannual payments\$5,331,138FY24 Contribution - July payment\$5,232,000FY25 Contribution - semiannual payments\$5,828,568	Total	98,586,342
FY24 Contribution - semiannual payments\$5,331,138FY24 Contribution - July payment\$5,232,000FY25 Contribution - semiannual payments\$5,828,568	Assets	\$67,107,972
FY24 Contribution - July payment\$5,232,000FY25 Contribution - semiannual payments\$5,828,568	Unfunded Actuarial Accrued Liability	\$31,478,370
FY24 Contribution - July payment\$5,232,000FY25 Contribution - semiannual payments\$5,828,568	FY24 Contribution - semiannual payments	\$5,331,138
FY25 Contribution - July payment\$5,720,179	FY25 Contribution - semiannual payments	\$5,828,568
	FY25 Contribution - July payment	\$5,720,179



## **Bridgewater Housing**

Actuarial Valuation as of January 1, 2022

Participants	
Actives	2
Inactives	1
Retirees and Disableds	8
Total	11
Payroll	95,942
Average	47,971
Valuation Results	
Normal Cost	
Employee	8,343
Employer	(48)
Administrative Expense	1,522
Total	9,817
Actuarial Accrued Liability	
Actives	21,972
Inactives	6,008
Retirees and Disableds	1,354,374
Total	1,382,354
Assets	\$940,972
Unfunded Actuarial Accrued Liability	\$441,382
FY24 Contribution - semiannual payments	\$74,059
FY24 Contribution - July payment	\$72,682
FY25 Contribution - semiannual payments	\$81,051
FY25 Contribution - July payment	\$79,544



# **Bridgewater/Raynham Regional School**

Actuarial Valuation as of January 1, 2022

Participants	
Actives	197
Inactives	69
Retirees and Disableds	155
Total	421
Payroll	7,840,505
Average	39,800
Valuation Results	
Normal Cost	
Employee	673,091
Employer	101,273
Administrative Expense	48,030
Total	822,394
Actuarial Accrued Liability	
Actives	17,428,995
Inactives	386,967
Retirees and Disableds	25,800,472
Total	43,616,434
Assets	\$29,689,817
Unfunded Actuarial Accrued Liability	\$13,926,617
FY24 Contribution - semiannual payments	\$2,443,538 \$2,208,008
FY24 Contribution - July payment	\$2,398,098 \$2,661,550
FY25 Contribution - semiannual payments	\$2,661,550 \$2,612,055
FY25 Contribution - July payment	\$2,612,055



#### Carver

Actuarial Valuation as of January 1, 2022

Participants	
Actives	194
Inactives	97
Retirees and Disableds	136
Total	427
Payroll	8,439,390
Average	43,502
Valuation Results	
Normal Cost	
Employee	744,681
Employer	59,035
Administrative Expense	58,730
Total	862,446
Actuarial Accrued Liability	
Actives	21,535,451
Inactives	486,751
Retirees and Disableds	31,311,278
Total	53,333,480
Assets	\$36,365,394
Unfunded Actuarial Accrued Liability	\$16,968,086
FY24 Contribution - semiannual payments	\$2,938,961
FY24 Contribution - July payment	\$2,884,308
FY25 Contribution - semiannual payments	\$3,206,235
FY25 Contribution - July payment	\$3,146,611



# **Carver/Marion/Wareham Regional Refuse**

Actuarial Valuation as of January 1, 2022

Participants	
Actives	0
Inactives	1
Retirees and Disableds	3
Total	4
Payroll	0
Average	0
Valuation Results	
Normal Cost	
Employee	0
Employer	0
Administrative Expense	0
Total	0
Actuarial Accrued Liability	
Actives	0
Inactives	2,061
Retirees and Disableds	1,066,302
Total	1,068,363
Assets	\$1,068,363
Unfunded Actuarial Accrued Liability	\$0
FY24 Contribution - semiannual payments	\$0
FY24 Contribution - July payment	\$0
FY25 Contribution - semiannual payments	\$0
FY25 Contribution - July payment	\$0



## **Duxbury**

Actuarial Valuation as of January 1, 2022

Participants	
Actives	336
Inactives	149
Retirees and Disableds	270
Total	755
Payroll	18,965,050
Average	56,444
Valuation Results	
Normal Cost	
Employee	1,695,617
Employer	235,053
Administrative Expense	114,380
Total	2,045,050
Actuarial Accrued Liability	
Actives	42,583,715
Inactives	1,637,119
Retirees and Disableds	59,649,628
Total	103,870,462
Assets	\$70,704,886
Unfunded Actuarial Accrued Liability	\$33,165,576
FY24 Contribution - semiannual payments	\$5,812,806
FY24 Contribution - July payment	\$5,704,710
FY25 Contribution - semiannual payments	\$6,332,146
FY25 Contribution - July payment	\$6,214,392
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## **Duxbury Housing**

Actuarial Valuation as of January 1, 2022

Participants	
Actives	1
Inactives	0
Retirees and Disableds	4
Total	5
Payroll	52,680
Average	52,680
Valuation Results	
Normal Cost	
Employee	4,328
Employer	2,803
Administrative Expense	543
Total	7,674
Actuarial Accrued Liability	
Actives	135,030
Inactives	0
Retirees and Disableds	357,896
Total	492,926
Assets	\$335,536
Unfunded Actuarial Accrued Liability	\$157,390
FY24 Contribution - semiannual payments	\$29,339
FY24 Contribution - July payment	\$28,793
FY25 Contribution - semiannual payments	\$31,761
FY25 Contribution - July payment	\$31,170



## **East Bridgewater**

Actuarial Valuation as of January 1, 2022

Participants	
Actives	242
Inactives	105
Retirees and Disableds	149
Total	496
Payroll	12,286,425
Average	50,770
Valuation Results	
Normal Cost	
Employee	1,102,482
Employer	171,176
Administrative Expense	72,679
Total	1,346,337
Actuarial Accrued Liability	
Actives	25,760,734
Inactives	822,938
Retirees and Disableds	39,417,639
Total	66,001,311
Assets	\$44,927,259
Unfunded Actuarial Accrued Liability	\$21,074,052
FY24 Contribution - semiannual payments	\$3,716,240
FY24 Contribution - July payment	\$3,647,132
FY25 Contribution - semiannual payments	\$4,045,688
FY25 Contribution - July payment	\$3,970,454
1 120 Controlation Vary paymont	<i>45,57,6</i> ,151



# **East Bridgewater Housing**

Actuarial Valuation as of January 1, 2022

Participants	
Actives	4
Inactives	1
Retirees and Disableds	4
Total	9
Payroll	201,577
Average	50,394
Valuation Results	
Normal Cost	
Employee	17,676
Employer	8,683
Administrative Expense	1,030
Total	27,389
Actuarial Accrued Liability	
Actives	361,371
Inactives	40,314
Retirees and Disableds	534,011
Total	935,696
Assets	\$636,931
Unfunded Actuarial Accrued Liability	\$298,765
FY24 Contribution - semiannual payments	\$59,185
FY24 Contribution - July payment	\$58,084
FY25 Contribution - semiannual payments	\$63,698
FY25 Contribution - July payment	\$62,514



## Halifax

Actuarial Valuation as of January 1, 2022

Participants	
Actives	105
Inactives	23
Retirees and Disableds	73
Total	201
Payroll	5,434,876
Average	51,761
Valuation Results	
Normal Cost	
Employee	481,601
Employer	73,567
Administrative Expense	34,618
Total	589,786
Actuarial Accrued Liability	
Actives	12,396,581
Inactives	257,291
Retirees and Disableds	18,434,830
Total	31,088,702
Assets	\$21,399,376
Unfunded Actuarial Accrued Liability	\$10,037,816
FY24 Contribution - semiannual payments	\$1,761,811
FY24 Contribution - July payment	\$1,729,048
FY25 Contribution - semiannual payments	\$1,918,932
FY25 Contribution - July payment	\$1,883,248



## Hanover

Actuarial Valuation as of January 1, 2022

Participants	
Actives	305
Inactives	96
Retirees and Disableds	199
Total	600
Payroll	17,710,627
Average	58,068
Valuation Results	
Normal Cost	
Employee	1,597,055
Employer	252,900
Administrative Expense	97,732
Total	1,947,687
Actuarial Accrued Liability	
Actives	39,368,578
Inactives	690,489
Retirees and Disableds	48,693,435
Total	88,752,502
Assets	\$60,414,052
Unfunded Actuarial Accrued Liability	\$28,338,450
FY24 Contribution - semiannual payments	\$5,020,862
FY24 Contribution - July payment	\$4,927,494
FY25 Contribution - semiannual payments	\$5,463,302
FY25 Contribution - July payment	\$5,361,706



#### Hanson

Actuarial Valuation as of January 1, 2022

Participants	
Actives	95
Inactives	15
Retirees and Disableds	77
Total	187
Payroll	6,475,013
Average	68,158
Valuation Results	
Normal Cost	
Employee	589,422
Employer	96,795
Administrative Expense	45,377
Total	731,594
Actuarial Accrued Liability	
Actives	17,025,356
Inactives	578,541
Retirees and Disableds	23,603,610
Total	41,207,507
Assets	\$28,050,054
Unfunded Actuarial Accrued Liability	\$13,157,453
FY24 Contribution - semiannual payments	\$2,309,740 \$2,266,788
FY24 Contribution - July payment	\$2,266,788 \$2,515,684
FY25 Contribution - semiannual payments	\$2,515,684
FY25 Contribution - July payment	\$2,468,902



### Kingston

Actuarial Valuation as of January 1, 2022

Participants	
Actives	184
Inactives	40
Retirees and Disableds	133
Total	357
Payroll	10,888,390
Average	59,176
Valuation Results	
Normal Cost	
Employee	985,562
Employer	111,005
Administrative Expense	71,831
Total	1,168,398
Actuarial Accrued Liability	
Actives	28,659,116
Inactives	472,577
Retirees and Disableds	36,099,117
Total	65,230,810
Assets	\$44,402,777
Unfunded Actuarial Accrued Liability	\$20,828,033
FY24 Contribution - semiannual payments	\$3,626,297
FY24 Contribution - July payment	\$3,558,862
FY25 Contribution - semiannual payments	\$3,953,366
FY25 Contribution - July payment	\$3,879,848



## **Kingston Housing**

Actuarial Valuation as of January 1, 2022

Participants	
Actives	0
Inactives	2
Retirees and Disableds	1
Total	3
Payroll	0
Average	0
Valuation Results	
Normal Cost	
Employee	0
Employer	0
Administrative Expense	133
Total	133
Actuarial Accrued Liability	
Actives	0
Inactives	2,175
Retirees and Disableds	118,922
Total	121,097
Assets	\$82,431
Unfunded Actuarial Accrued Liability	\$38,666
EV24 Contribution comission and according	¢c 400
FY24 Contribution - semiannual payments FY24 Contribution - July payment	\$6,492 \$6,371
FY25 Contribution - semiannual payments	\$7,104
FY25 Contribution - July payment	\$6,972
1 125 Controlation - July payment	ψ0,772



## Lakeville

Actuarial Valuation as of January 1, 2022

Actives76Inactives16Retirees and Disableds75Total167Payroll5,021,021Average66,066Valuation ResultsNormal CostEmployee460,028Employer96,041Administrative Expense29,570Total585,639Actuarial Accrued Liability8,703,295Inactives225,830Retirees and Disableds17,923,494Total26,852,619Assets\$18,278,646Unfunded Actuarial Accrued Liability\$8,573,973FY24 Contribution - semiannual payments\$1,510,753FY25 Contribution - semiannual payments\$1,617,750FY25 Contribution - July payment\$1,641,643	Participants	
Retirees and Disableds75Total167Payroll5,021,021Average66,066Valuation ResultsNormal CostEmployee460,028Employer96,041Administrative Expense29,570Total585,639Actuarial Accrued Liability8,703,295Inactives8,703,295Inactives225,830Retirees and Disableds17,923,494Total26,852,619Assets\$18,278,646Unfunded Actuarial Accrued Liability\$8,573,973FY24 Contribution - semiannual payments\$1,539,379FY24 Contribution - semiannual payments\$1,510,753FY25 Contribution - semiannual payments\$1,672,750	Actives	76
Total167Payroll5,021,021Average66,066Valuation ResultsNormal CostEmployee460,028Employer96,041Administrative Expense29,570Total585,639Actuarial Accrued Liability8,703,295Inactives8,703,295Inactives225,830Retirees and Disableds17,923,494Total26,852,619Assets\$18,278,646Unfunded Actuarial Accrued Liability\$8,573,973FY24 Contribution - semiannual payments\$1,539,379FY24 Contribution - semiannual payments\$1,510,753FY25 Contribution - semiannual payments\$1,672,750	Inactives	16
Payroll Average5,021,021 66,066Valuation ResultsNormal Cost Employee460,028 96,041 29,570 TotalAdministrative Expense 29,570 Total29,570 585,639Actuarial Acerued Liability Actives Inactives Retirees and Disableds Total8,703,295 225,830 17,923,494 26,852,619Assets\$18,278,646Unfunded Actuarial Acerued Liability\$8,573,973FY24 Contribution - semiannual payments FY24 Contribution - semiannual payments\$1,539,379 \$1,510,753 \$1,672,750	Retirees and Disableds	75
Average66,066Valuation ResultsNormal CostEmployeeEmployee460,028Employer96,041Administrative Expense29,570Total585,639Actuarial Accrued Liability8,703,295Inactives8,703,295Inactives225,830Retirees and Disableds17,923,494Total26,852,619Assets\$18,278,646Unfunded Actuarial Accrued Liability\$8,573,973FY24 Contribution - semiannual payments\$1,539,379FY24 Contribution - semiannual payments\$1,539,379FY25 Contribution - semiannual payments\$1,510,753FY25 Contribution - semiannual payments\$1,672,750	Total	167
Valuation ResultsNormal CostEmployee460,028Employer96,041Administrative Expense29,570Total585,639Actuarial Accrued Liability8,703,295Inactives8,703,295Inactives225,830Retirees and Disableds17,923,494Total26,852,619Assets\$18,278,646Unfunded Actuarial Accrued Liability\$8,573,973FY24 Contribution - semiannual payments\$1,539,379FY24 Contribution - July payment\$1,510,753FY25 Contribution - semiannual payments\$1,672,750	Payroll	5,021,021
Normal Cost460,028Employee96,041Administrative Expense29,570Total585,639Actuarial Accrued Liability8,703,295Inactives8,703,295Inactives225,830Retirees and Disableds17,923,494Total26,852,619Assets\$18,278,646Unfunded Actuarial Accrued Liability\$8,573,973FY24 Contribution - semiannual payments\$1,539,379FY24 Contribution - semiannual payments\$1,510,753FY25 Contribution - semiannual payments\$1,672,750	Average	66,066
Employee460,028Employer96,041Administrative Expense29,570Total585,639Actuarial Accrued Liability8,703,295Inactives8,703,295Inactives225,830Retirees and Disableds17,923,494Total26,852,619Assets\$18,278,646Unfunded Actuarial Accrued Liability\$8,573,973FY24 Contribution - semiannual payments\$1,539,379FY24 Contribution - semiannual payments\$1,510,753FY25 Contribution - semiannual payments\$1,672,750	Valuation Results	
Employer96,041Administrative Expense29,570Total585,639Actuarial Accrued Liability8,703,295Inactives8,703,295Inactives225,830Retirees and Disableds17,923,494Total26,852,619Assets\$18,278,646Unfunded Actuarial Accrued Liability\$8,573,973FY24 Contribution - semiannual payments\$1,539,379FY24 Contribution - semiannual payments\$1,510,753FY25 Contribution - semiannual payments\$1,672,750	Normal Cost	
Administrative Expense29,570Total585,639Actuarial Accrued Liability585,639Actives8,703,295Inactives225,830Retirees and Disableds17,923,494Total26,852,619Assets\$18,278,646Unfunded Actuarial Accrued Liability\$8,573,973FY24 Contribution - semiannual payments\$1,539,379FY24 Contribution - semiannual payments\$1,510,753FY25 Contribution - semiannual payments\$1,672,750	Employee	460,028
Total585,639Actuarial Accrued Liability Actives8,703,295Inactives225,830Retirees and Disableds17,923,494Total26,852,619Assets\$18,278,646Unfunded Actuarial Accrued Liability\$8,573,973FY24 Contribution - semiannual payments\$1,539,379FY24 Contribution - semiannual payments\$1,510,753FY25 Contribution - semiannual payments\$1,672,750	Employer	96,041
Actuarial Accrued Liability Actives8,703,295 225,830 17,923,494 26,852,619Inactives17,923,494 26,852,619Assets17,923,494 26,852,619Assets\$18,278,646Unfunded Actuarial Accrued Liability\$8,573,973FY24 Contribution - semiannual payments\$1,539,379 \$1,510,753 \$1,672,750FY25 Contribution - semiannual payments\$1,672,750	Administrative Expense	29,570
Actives8,703,295Inactives225,830Retirees and Disableds17,923,494Total26,852,619Assets\$18,278,646Unfunded Actuarial Accrued Liability\$8,573,973FY24 Contribution - semiannual payments\$1,539,379FY24 Contribution - July payment\$1,510,753FY25 Contribution - semiannual payments\$1,672,750	Total	585,639
Inactives225,830Retirees and Disableds17,923,494Total26,852,619Assets\$18,278,646Unfunded Actuarial Accrued Liability\$8,573,973FY24 Contribution - semiannual payments\$1,539,379FY24 Contribution - semiannual payment\$1,510,753FY25 Contribution - semiannual payments\$1,672,750	Actuarial Accrued Liability	
Retirees and Disableds17,923,494Total26,852,619Assets\$18,278,646Unfunded Actuarial Accrued Liability\$8,573,973FY24 Contribution - semiannual payments\$1,539,379FY24 Contribution - July payment\$1,510,753FY25 Contribution - semiannual payments\$1,672,750	Actives	8,703,295
Total26,852,619Assets\$18,278,646Unfunded Actuarial Accrued Liability\$8,573,973FY24 Contribution - semiannual payments\$1,539,379FY24 Contribution - July payment\$1,510,753FY25 Contribution - semiannual payments\$1,672,750	Inactives	225,830
Assets\$18,278,646Unfunded Actuarial Accrued Liability\$8,573,973FY24 Contribution - semiannual payments\$1,539,379FY24 Contribution - July payment\$1,510,753FY25 Contribution - semiannual payments\$1,672,750	Retirees and Disableds	17,923,494
Unfunded Actuarial Accrued Liability\$8,573,973FY24 Contribution - semiannual payments\$1,539,379FY24 Contribution - July payment\$1,510,753FY25 Contribution - semiannual payments\$1,672,750	Total	26,852,619
FY24 Contribution - semiannual payments\$1,539,379FY24 Contribution - July payment\$1,510,753FY25 Contribution - semiannual payments\$1,672,750	Assets	\$18,278,646
FY24 Contribution - July payment\$1,510,753FY25 Contribution - semiannual payments\$1,672,750	Unfunded Actuarial Accrued Liability	\$8,573,973
FY24 Contribution - July payment\$1,510,753FY25 Contribution - semiannual payments\$1,672,750	FY24 Contribution - semiannual payments	\$1,539,379
FY25 Contribution - July payment\$1,641,643	FY25 Contribution - semiannual payments	\$1,672,750
	FY25 Contribution - July payment	\$1,641,643



#### Marion

Actuarial Valuation as of January 1, 2022

Participants	
Actives	93
Inactives	23
Retirees and Disableds	70
Total	186
Payroll	5,398,381
Average	58,047
Valuation Results	
Normal Cost	
Employee	488,756
Employer	91,444
Administrative Expense	32,731
Total	612,931
Actuarial Accrued Liability	
Actives	11,015,975
Inactives	404,642
Retirees and Disableds	18,302,847
Total	29,723,464
Assets	\$20,232,837
Unfunded Actuarial Accrued Liability	\$9,490,627
FY24 Contribution - semiannual payments	\$1,688,511
FY24 Contribution - July payment	\$1,657,111
FY25 Contribution - semiannual payments	\$1,836,515
FY25 Contribution - July payment	\$1,802,363



# Marshfield

Actuarial Valuation as of January 1, 2022

Participants	
Actives	482
Inactives	177
Retirees and Disableds	351
Total	1,010
Payroll	25,695,810
Average	53,311
Valuation Results	
Normal Cost	
Employee	2,287,249
Employer	382,353
Administrative Expense	167,274
Total	2,836,876
Actuarial Accrued Liability	
Actives	61,129,305
Inactives	1,282,853
Retirees and Disableds	89,492,639
Total	151,904,797
Assets	\$103,401,979
Unfunded Actuarial Accrued Liability	\$48,502,818
FY24 Contribution - semiannual payments	\$8,541,014
FY24 Contribution - July payment	\$8,382,184
FY25 Contribution - semiannual payments	\$9,299,546
FY25 Contribution - July payment	\$9,126,611



## **Marshfield Housing**

Actuarial Valuation as of January 1, 2022

Participants	
Actives	2
Inactives	1
Retirees and Disableds	3
Total	6
Payroll	74,712
Average	37,356
Valuation Results	
Normal Cost	
Employee	6,699
Employer	4,431
Administrative Expense	1,068
Total	12,198
Actuarial Accrued Liability	
Actives	103,590
Inactives	76,830
Retirees and Disableds	603,681
Total	784,101
Assets	\$660,390
Unfunded Actuarial Accrued Liability	\$309,770
FY24 Contribution - semiannual payments	\$56,615
FY24 Contribution - July payment	\$55,562
FY25 Contribution - semiannual payments	\$61,409
FY25 Contribution - July payment	\$60,267



## Mattapoisett

Actuarial Valuation as of January 1, 2022

Participants	
Actives	109
Inactives	23
Retirees and Disableds	70
Total	202
Payroll	5,930,398
Average	54,407
Valuation Results	
Normal Cost	
Employee	533,122
Employer	43,949
Administrative Expense	36,415
Total	613,486
Actuarial Accrued Liability	
Actives	13,902,705
Inactives	340,220
Retirees and Disableds	18,825,778
Total	33,068,703
Assets	\$22,509,950
Unfunded Actuarial Accrued Liability	\$10,558,753
	¢1.010.505
FY24 Contribution - semiannual payments	\$1,818,505 \$1,784,688
FY24 Contribution - July payment	\$1,784,688 \$1,084,623
FY25 Contribution - semiannual payments	\$1,984,623 \$1,947,716
FY25 Contribution - July payment	\$1,947,710



## Middleborough

Actuarial Valuation as of January 1, 2022

Participants	
Actives	476
Inactives	116
Retirees and Disableds	343
Total	935
Payroll	27,293,703
Average	57,340
Valuation Results	
Normal Cost	
Employee	2,454,021
Employer	437,742
Administrative Expense	184,853
Total	3,076,616
Actuarial Accrued Liability	
Actives	65,963,976
Inactives	1,194,501
Retirees and Disableds	100,710,005
Total	167,868,482
Assets	\$114,268,500
Unfunded Actuarial Accrued Liability	\$53,599,982
FY24 Contribution - semiannual payments	\$9,454,390
FY24 Contribution - July payment	\$9,278,575
FY25 Contribution - semiannual payments	\$10,292,253
FY25 Contribution - July payment	\$10,100,857



# **Middleborough Housing**

Actuarial Valuation as of January 1, 2022

Actives8Inactives0Retirees and Disableds8Total16Payroll514,270Average64,284Valuation ResultsNormal CostEmployee46,390Employer13,210Administrative Expense3,406Total63,006Actuarial Accrued Liability1,187,439Actives0Retirees and Disableds1,905,660Total3,093,099Assets\$2,105,480Unfunded Actuarial Accrued Liability\$987,619FY24 Contribution - semiannual payments\$179,549FY25 Contribution - July payment\$194,858FY25 Contribution - July payment\$194,858FY25 Contribution - July payment\$191,234	Participants	
Retirees and Disableds8Total16Payroll514,270Average64,284Valuation ResultsNormal CostEmployee46,390Employer13,210Administrative Expense3,406Total63,006Actuarial Accrued Liability0Retirees and Disableds1,905,660Total3,093,099Assets\$2,105,480Unfunded Actuarial Accrued Liability\$987,619FY24 Contribution - semiannual payments\$179,549FY25 Contribution - semiannual payments\$194,858	•	8
Total16Payroll514,270Average64,284Valuation ResultsNormal CostEmployee46,390Employer13,210Administrative Expense3,406Total63,006Actuarial Accrued Liability0Retirees and Disableds1,905,660Total3,093,099Assets\$2,105,480Unfunded Actuarial Accrued Liability\$987,619FY24 Contribution - semiannual payments\$179,549FY24 Contribution - semiannual payments\$179,549FY25 Contribution - semiannual payments\$194,858	Inactives	0
Payroll514,270Average64,284Valuation ResultsNormal Cost46,390Employee46,390Employer13,210Administrative Expense3,406Total63,006Actuarial Accrued Liability1,187,439Inactives0Retirees and Disableds1,905,660Total3,093,099Assets\$2,105,480Unfunded Actuarial Accrued Liability\$987,619FY24 Contribution - semiannual payments\$179,549FY24 Contribution - semiannual payments\$179,549FY25 Contribution - semiannual payments\$194,858	Retirees and Disableds	8
Average64,284Valuation ResultsNormal Cost1Employee46,390Employer13,210Administrative Expense3,406Total63,006Actuarial Accrued Liability63,006Actuarial Accrued Liability0Retirees and Disableds1,905,660Total3,093,099Assets\$2,105,480Unfunded Actuarial Accrued Liability\$987,619FY24 Contribution - semiannual payments\$179,549FY24 Contribution - July payment\$176,210FY25 Contribution - semiannual payments\$194,858	Total	16
Valuation ResultsNormal Cost46,390Employee46,390Employer13,210Administrative Expense3,406Total63,006Actuarial Accrued Liability63,006Actives1,187,439Inactives0Retirees and Disableds1,905,660Total3,093,099Assets\$2,105,480Unfunded Actuarial Accrued Liability\$987,619FY24 Contribution - semiannual payments\$179,549FY24 Contribution - semiannual payments\$176,210FY25 Contribution - semiannual payments\$194,858	Payroll	514,270
Normal Cost46,390Employee46,390Employer13,210Administrative Expense3,406Total63,006Actuarial Accrued Liability1,187,439Inactives0Retirees and Disableds1,905,660Total3,093,099Assets\$2,105,480Unfunded Actuarial Accrued Liability\$987,619FY24 Contribution - semiannual payments\$179,549FY24 Contribution - semiannual payments\$176,210FY25 Contribution - semiannual payments\$194,858	Average	64,284
Employee46,390Employer13,210Administrative Expense3,406Total63,006Actuarial Accrued Liability1,187,439Inactives0Retirees and Disableds1,905,660Total3,093,099Assets\$2,105,480Unfunded Actuarial Accrued Liability\$987,619FY24 Contribution - semiannual payments\$179,549FY24 Contribution - semiannual payments\$179,549FY25 Contribution - semiannual payments\$194,858	Valuation Results	
Employer13,210Administrative Expense3,406Total63,006Actuarial Accrued Liability63,006Actives1,187,439Inactives0Retirees and Disableds1,905,660Total3,093,099Assets\$2,105,480Unfunded Actuarial Accrued Liability\$987,619FY24 Contribution - semiannual payments\$179,549FY24 Contribution - semiannual payments\$176,210FY25 Contribution - semiannual payments\$194,858	Normal Cost	
Administrative Expense3,406Total63,006Actuarial Accrued Liability63,006Actives1,187,439Inactives0Retirees and Disableds1,905,660Total3,093,099Assets\$2,105,480Unfunded Actuarial Accrued Liability\$987,619FY24 Contribution - semiannual payments\$179,549FY24 Contribution - semiannual payments\$176,210FY25 Contribution - semiannual payments\$194,858	Employee	46,390
Total63,006Actuarial Accrued Liability Actives1,187,439Inactives0Retirees and Disableds1,905,660Total3,093,099Assets\$2,105,480Unfunded Actuarial Accrued Liability\$987,619FY24 Contribution - semiannual payments\$179,549FY24 Contribution - July payment\$176,210FY25 Contribution - semiannual payments\$194,858	Employer	13,210
Actuarial Accrued Liability Actives1,187,439 1,187,439 0 Retirees and Disableds Total1,905,660 3,093,099Assets\$2,105,480Unfunded Actuarial Accrued Liability\$987,619FY24 Contribution - semiannual payments FY24 Contribution - July payment\$179,549 \$176,210 \$176,210FY25 Contribution - semiannual payments\$194,858	Administrative Expense	3,406
Actives1,187,439Inactives0Retirees and Disableds1,905,660Total3,093,099Assets\$2,105,480Unfunded Actuarial Accrued Liability\$987,619FY24 Contribution - semiannual payments\$179,549FY24 Contribution - semiannual payments\$176,210FY25 Contribution - semiannual payments\$194,858	Total	63,006
Inactives0Retirees and Disableds1,905,660Total3,093,099Assets\$2,105,480Unfunded Actuarial Accrued Liability\$987,619FY24 Contribution - semiannual payments\$179,549FY24 Contribution - July payment\$176,210FY25 Contribution - semiannual payments\$194,858	Actuarial Accrued Liability	
Retirees and Disableds1,905,660Total3,093,099Assets\$2,105,480Unfunded Actuarial Accrued Liability\$987,619FY24 Contribution - semiannual payments\$179,549FY24 Contribution - July payment\$176,210FY25 Contribution - semiannual payments\$194,858	Actives	1,187,439
Total3,093,099Assets\$2,105,480Unfunded Actuarial Accrued Liability\$987,619FY24 Contribution - semiannual payments\$179,549FY24 Contribution - July payment\$176,210FY25 Contribution - semiannual payments\$194,858	Inactives	0
Assets\$2,105,480Unfunded Actuarial Accrued Liability\$987,619FY24 Contribution - semiannual payments\$179,549FY24 Contribution - July payment\$176,210FY25 Contribution - semiannual payments\$194,858	Retirees and Disableds	1,905,660
Unfunded Actuarial Accrued Liability\$987,619FY24 Contribution - semiannual payments\$179,549FY24 Contribution - July payment\$176,210FY25 Contribution - semiannual payments\$194,858	Total	3,093,099
FY24 Contribution - semiannual payments\$179,549FY24 Contribution - July payment\$176,210FY25 Contribution - semiannual payments\$194,858	Assets	\$2,105,480
FY24 Contribution - July payment\$176,210FY25 Contribution - semiannual payments\$194,858	Unfunded Actuarial Accrued Liability	\$987,619
FY24 Contribution - July payment\$176,210FY25 Contribution - semiannual payments\$194,858	FY24 Contribution - semiannual payments	\$179.549
FY25 Contribution - semiannual payments\$194,858		
	_ ·	



#### Norwell

Actuarial Valuation as of January 1, 2022

Participants	
Actives	224
Inactives	81
Retirees and Disableds	169
Total	474
Payroll	11,984,822
Average	53,504
Valuation Results	
Normal Cost	
Employee	1,070,566
Employer	176,176
Administrative Expense	75,326
Total	1,322,068
Actuarial Accrued Liability	
Actives	28,425,886
Inactives	445,458
Retirees and Disableds	39,533,049
Total	68,404,393
Assets	\$46,563,043
Unfunded Actuarial Accrued Liability	\$21,841,350
	¢2.050.266
FY24 Contribution - semiannual payments FY24 Contribution - July payment	\$3,850,266 \$3,778,666
FY25 Contribution - semiannual payments	\$4,191,741
FY25 Contribution - July payment	\$4,191,741 \$4,113,791
r 1 25 Contribution - July payment	\$4,115,/91



## **Norwell Housing**

Actuarial Valuation as of January 1, 2022

Participants	
Actives	3
Inactives	2
Retirees and Disableds	1
Total	6
Payroll	183,526
Average	61,175
Valuation Results	
Normal Cost	
Employee	15,431
Employer	1,939
Administrative Expense	984
Total	18,354
Actuarial Accrued Liability	
Actives	754,843
Inactives	11,895
Retirees and Disableds	126,552
Total	893,290
Assets	\$608,065
Unfunded Actuarial Accrued Liability	\$285,225
FY24 Contribution - semiannual payments	\$49,905
FY24 Contribution - July payment	\$48,977
FY25 Contribution - semiannual payments	\$54,373
FY25 Contribution - July payment	\$53,362



# **Old Rochester Regional School**

Actuarial Valuation as of January 1, 2022

Participants	
Actives	68
Inactives	17
Retirees and Disableds	57
Total	142
Payroll	2,966,805
Average	43,629
Valuation Results	
Normal Cost	
Employee	260,597
Employer	35,171
Administrative Expense	19,703
Total	315,471
Actuarial Accrued Liability	
Actives	7,639,112
Inactives	201,658
Retirees and Disableds	10,051,460
Total	17,892,230
Assets	\$12,179,286
Unfunded Actuarial Accrued Liability	\$5,712,944
FY24 Contribution - semiannual payments	\$995,761
FY24 Contribution - July payment	\$977,244
FY25 Contribution - semiannual payments	\$1,085,354
FY25 Contribution - July payment	\$1,065,170



## **Onset Fire District**

Actuarial Valuation as of January 1, 2022

Participants	
Actives	12
Inactives	3
Retirees and Disableds	17
Total	32
Payroll	805,441
Average	67,120
Valuation Results	
Normal Cost	
Employee	74,482
Employer	8,058
Administrative Expense	7,650
Total	90,190
Actuarial Accrued Liability	
Actives	2,053,006
Inactives	22,819
Retirees and Disableds	4,871,068
Total	6,946,893
Assets	\$4,728,768
Unfunded Actuarial Accrued Liability	\$2,218,125
FY24 Contribution - semiannual payments	\$380,801
FY24 Contribution - July payment	\$373,720
FY25 Contribution - semiannual payments	\$415,728
FY25 Contribution - July payment	\$407,997



#### Pembroke

Actuarial Valuation as of January 1, 2022

Participants	
Actives	236
Inactives	44
Retirees and Disableds	160
Total	440
Payroll	13,847,318
Average	58,675
Valuation Results	
Normal Cost	
Employee	1,262,699
Employer	119,606
Administrative Expense	94,457
Total	1,476,762
Actuarial Accrued Liability	
Actives	35,898,676
Inactives	506,555
Retirees and Disableds	49,372,971
Total	85,778,202
Assets	\$58,389,439
Unfunded Actuarial Accrued Liability	\$27,388,763
FY24 Contribution - semiannual payments	\$4,894,409
FY24 Contribution - July payment	\$4,803,392
FY25 Contribution - semiannual payments	\$5,340,952
FY25 Contribution - July payment	\$5,241,631



## **Plymouth County Mosquito Control**

Actuarial Valuation as of January 1, 2022

Participants	
Actives	12
Inactives	1
Retirees and Disableds	8
Total	21
Payroll	806,057
Average	67,171
Valuation Results	
Normal Cost	
Employee	74,975
Employer	(9,844)
Administrative Expense	4,863
Total	69,994
Actuarial Accrued Liability	
Actives	1,392,031
Inactives	26,412
Retirees and Disableds	2,997,479
Total	4,415,922
Assets	\$3,005,929
Unfunded Actuarial Accrued Liability	\$1,409,993
FY24 Contribution - semiannual payments	\$226,514
FY24 Contribution - July payment	\$222,302
FY25 Contribution - semiannual payments	\$249,092
FY25 Contribution - July payment	\$244,460



## Plympton

Actuarial Valuation as of January 1, 2022

Participants	
Actives	48
Inactives	10
Retirees and Disableds	34
Total	92
Payroll	2,433,350
Average	50,695
Valuation Results	
Normal Cost	
Employee	219,313
Employer	74,806
Administrative Expense	13,536
Total	307,655
Actuarial Accrued Liability	
Actives	3,507,494
Inactives	215,818
Retirees and Disableds	8,568,914
Total	12,292,226
Assets	\$8,367,349
Unfunded Actuarial Accrued Liability	\$3,924,877
FY24 Contribution - semiannual payments	\$736,720
FY24 Contribution - July payment	\$723,020
FY25 Contribution - semiannual payments	\$796,996
FY25 Contribution - July payment	\$782,175



#### Rochester

Actuarial Valuation as of January 1, 2022

Participants	
Actives	58
Inactives	11
Retirees and Disableds	47
Total	116
Payroll	3,119,925
Average	53,792
Valuation Results	
Normal Cost	
Employee	277,190
Employer	62,619
Administrative Expense	22,721
Total	362,530
Actuarial Accrued Liability	
Actives	8,983,049
Inactives	342,406
Retirees and Disableds	11,307,869
Total	20,633,324
Assets	\$14,045,156
Unfunded Actuarial Accrued Liability	\$6,588,168
FY24 Contribution - semiannual payments	\$1,171,232
FY24 Contribution - July payment	\$1,149,452
FY25 Contribution - semiannual payments	\$1,273,994
FY25 Contribution - July payment	\$1,250,303



## Rockland

Actuarial Valuation as of January 1, 2022

Participants	
Actives	338
Inactives	145
Retirees and Disableds	239
Total	722
Payroll	17,324,738
Average	51,257
Valuation Results	
Normal Cost	
Employee	1,543,562
Employer	188,202
Administrative Expense	113,667
Total	1,845,431
Actuarial Accrued Liability	
Actives	41,521,116
Inactives	741,368
Retirees and Disableds	60,960,034
Total	103,222,518
Assets	\$70,263,829
Unfunded Actuarial Accrued Liability	\$32,958,689
FY24 Contribution - semiannual payments	\$5,729,391
FY24 Contribution - July payment	\$5,622,847
FY25 Contribution - semiannual payments	\$6,246,635
FY25 Contribution - July payment	\$6,130,471



#### Scituate

Actuarial Valuation as of January 1, 2022

Participants	
Actives	383
Inactives	114
Retirees and Disableds	307
Total	804
Payroll	20,676,989
Average	53,987
Valuation Results	
Normal Cost	
Employee	1,840,629
Employer	431,039
Administrative Expense	133,989
Total	2,405,657
Actuarial Accrued Liability	
Actives	44,653,948
Inactives	1,410,976
Retirees and Disableds	75,612,797
Total	121,677,721
Assets	\$82,826,332
Unfunded Actuarial Accrued Liability	\$38,851,389
EV24 Contribution comismousl power ants	¢6 071 000
FY24 Contribution - semiannual payments FY24 Contribution - July payment	\$6,971,098 \$6,841,463
FY25 Contribution - semiannual payments	\$7,575,549
FY25 Contribution - July payment	\$7,434,673
1 1 23 Controlution - July Payment	Ψ/,+5+,075



## **Scituate Housing**

Actuarial Valuation as of January 1, 2022

Participants	
Actives	4
Inactives	0
Retirees and Disableds	9
Total	13
Payroll	252,732
Average	63,183
Valuation Results	
Normal Cost	
Employee	22,633
Employer	15,908
Administrative Expense	2,053
Total	40,594
Actuarial Accrued Liability	
Actives	337,219
Inactives	0
Retirees and Disableds	1,527,074
Total	1,864,293
Assets	\$1,269,029
Unfunded Actuarial Accrued Liability	\$595,264
FY24 Contribution - semiannual payments	\$116,475
FY24 Contribution - July payment	\$114,309
FY25 Contribution - semiannual payments	\$125,501
FY25 Contribution - July payment	\$123,168



## **Silver Lake Regional School**

Actuarial Valuation as of January 1, 2022

Participants	
Actives	108
Inactives	31
Retirees and Disableds	77
Total	216
Payroll	3,917,994
Average	36,278
Valuation Results	
Normal Cost	
Employee	339,786
Employer	61,351
Administrative Expense	23,466
Total	424,603
Actuarial Accrued Liability	
Actives	7,433,729
Inactives	266,490
Retirees and Disableds	13,609,847
Total	21,310,066
Assets	\$14,505,816
Unfunded Actuarial Accrued Liability	\$6,804,250
FY24 Contribution - semiannual payments	\$1,034,701
FY24 Contribution - July payment	\$1,015,460
FY25 Contribution - semiannual payments	\$1,125,133
FY25 Contribution - July payment	\$1,104,210



### **South Shore Mosquito Control**

Actuarial Valuation as of January 1, 2022

Participants	
Actives	0
Inactives Retirees and Disableds	0
	0
Total	0
Payroll	0
Average	0
Valuation Results	
Normal Cost	
Employee	0
Employer	0
Administrative Expense	0
Total	0
Actuarial Accrued Liability	
Actives	0
Inactives	0
Retirees and Disableds	0
Total	0
Assets	\$0
Unfunded Actuarial Accrued Liability	\$0
FY24 Contribution - semiannual payments	\$0
FY24 Contribution - July payment	\$0
FY25 Contribution - semiannual payments	\$0
FY25 Contribution - July payment	\$0



## **South Shore Regional School**

Actuarial Valuation as of January 1, 2022

Actives43Inactives18Retirees and Disableds28Total89Payroll1,916,553Average44,571Valuation ResultsNormal CostEmployee167,941Employer41,651Administrative Expense9,647Total219,239Actuarial Accrued Liability3,394,944Inactives3,394,944Inactives361,497Retirees and Disableds5,004,520Total8,760,961Assets\$5,963,608Unfunded Actuarial Accrued Liability\$2,797,353FY24 Contribution - semiannual payments\$512,958FY24 Contribution - July payment\$503,419FY25 Contribution - semiannual payments\$556,212FY25 Contribution - July payment\$556,212FY25 Contribution - July payment\$545,869	Participants	
Retirees and Disableds28 89Total89Payroll1,916,553Average44,571Valuation ResultsNormal Cost EmployeeEmployee167,941Employer41,651Administrative Expense9,647Total219,239Actuarial Accrued Liability Actives3,394,944Inactives3,394,944Inactives3,61,497Retirees and Disableds5,004,520Total\$5,963,608Unfunded Actuarial Accrued Liability\$2,797,353FY24 Contribution - semiannual payments\$512,958FY24 Contribution - semiannual payments\$503,419FY25 Contribution - semiannual payments\$556,212	Actives	43
Total89Payroll1,916,553Average44,571Valuation ResultsNormal CostEmployee167,941Employer41,651Administrative Expense9,647Total219,239Actuarial Accrued Liability3,394,944Inactives361,497Retirees and Disableds5,004,520Total8,760,961Assets\$5,963,608Unfunded Actuarial Accrued Liability\$2,797,353FY24 Contribution - semiannual payments\$512,958FY24 Contribution - semiannual payments\$503,419FY25 Contribution - semiannual payments\$556,212	Inactives	18
Payroll1,916,553 44,571Average14,571Valuation ResultsNormal Cost167,941 41,651 4dministrative ExpenseEmployer167,941 41,651 219,239Actuarial Accrued Liability Actives9,647 219,239Actuarial Accrued Liability Retirees and Disableds Total3,394,944 361,497 8,760,961Assets\$5,963,608Unfunded Actuarial Accrued Liability\$2,797,353FY24 Contribution - semiannual payments\$512,958 \$503,419 \$525,212	Retirees and Disableds	28
Average44,571Valuation ResultsNormal Cost167,941Employee167,941Employer41,651Administrative Expense9,647Total219,239Actuarial Accrued Liability3,394,944Inactives3,61,497Retirees and Disableds5,004,520Total8,760,961Assets\$5,963,608Unfunded Actuarial Accrued Liability\$2,797,353FY24 Contribution - semiannual payments\$512,958FY24 Contribution - July payment\$503,419FY25 Contribution - semiannual payments\$556,212	Total	89
Valuation ResultsNormal CostEmployee167,941Employer41,651Administrative Expense9,647Total219,239Actuarial Accrued Liability3,394,944Inactives3,394,944Inactives361,497Retirees and Disableds5,004,520Total8,760,961Assets\$5,963,608Unfunded Actuarial Accrued Liability\$2,797,353FY24 Contribution - semiannual payments\$512,958FY24 Contribution - semiannual payments\$503,419FY25 Contribution - semiannual payments\$556,212	Payroll	1,916,553
Normal CostInformation in the second sec	Average	44,571
Employee167,941Employer41,651Administrative Expense9,647Total219,239Actuarial Accrued Liability3,394,944Inactives3,394,944Inactives361,497Retirees and Disableds5,004,520Total8,760,961Assets\$5,963,608Unfunded Actuarial Accrued Liability\$2,797,353FY24 Contribution - semiannual payments\$512,958FY24 Contribution - semiannual payments\$556,212	Valuation Results	
Employer41,651Administrative Expense9,647Total219,239Actuarial Accrued Liability3,394,944Inactives3,394,944Inactives361,497Retirees and Disableds5,004,520Total8,760,961Assets\$5,963,608Unfunded Actuarial Accrued Liability\$2,797,353FY24 Contribution - semiannual payments\$512,958FY24 Contribution - semiannual payments\$503,419FY25 Contribution - semiannual payments\$556,212	Normal Cost	
Administrative Expense9,647Total219,239Actuarial Accrued Liability3,394,944Inactives3,394,944Inactives361,497Retirees and Disableds5,004,520Total8,760,961Assets\$5,963,608Unfunded Actuarial Accrued Liability\$2,797,353FY24 Contribution - semiannual payments\$512,958FY24 Contribution - semiannual payments\$503,419FY25 Contribution - semiannual payments\$556,212	Employee	167,941
Total219,239Actuarial Accrued Liability Actives3,394,944Inactives3,394,944Inactives361,497Retirees and Disableds5,004,520Total8,760,961Assets\$5,963,608Unfunded Actuarial Accrued Liability\$2,797,353FY24 Contribution - semiannual payments\$512,958FY24 Contribution - July payment\$503,419FY25 Contribution - semiannual payments\$556,212	Employer	41,651
Actuarial Accrued Liability Actives3,394,944 361,497 861,497 Retirees and Disableds Total3,394,944 361,497 8,004,520 8,760,961Assets5,004,520 8,760,961Assets\$5,963,608 \$5,963,608Unfunded Actuarial Accrued Liability\$2,797,353FY24 Contribution - semiannual payments FY24 Contribution - July payment\$512,958 \$503,419 \$503,419FY25 Contribution - semiannual payments\$556,212	Administrative Expense	9,647
Actives3,394,944Inactives361,497Retirees and Disableds5,004,520Total8,760,961Assets\$5,963,608Unfunded Actuarial Accrued Liability\$2,797,353FY24 Contribution - semiannual payments\$512,958FY24 Contribution - July payment\$503,419FY25 Contribution - semiannual payments\$556,212	Total	219,239
Inactives361,497Retirees and Disableds5,004,520Total8,760,961Assets\$5,963,608Unfunded Actuarial Accrued Liability\$2,797,353FY24 Contribution - semiannual payments\$512,958FY24 Contribution - semiannual payment\$503,419FY25 Contribution - semiannual payments\$556,212	Actuarial Accrued Liability	
Retirees and Disableds5,004,520Total8,760,961Assets\$5,963,608Unfunded Actuarial Accrued Liability\$2,797,353FY24 Contribution - semiannual payments\$512,958FY24 Contribution - July payment\$503,419FY25 Contribution - semiannual payments\$556,212	Actives	3,394,944
Total8,760,961Assets\$5,963,608Unfunded Actuarial Accrued Liability\$2,797,353FY24 Contribution - semiannual payments\$512,958FY24 Contribution - July payment\$503,419FY25 Contribution - semiannual payments\$556,212	Inactives	361,497
Assets\$5,963,608Unfunded Actuarial Accrued Liability\$2,797,353FY24 Contribution - semiannual payments\$512,958FY24 Contribution - July payment\$503,419FY25 Contribution - semiannual payments\$556,212	Retirees and Disableds	5,004,520
Unfunded Actuarial Accrued Liability\$2,797,353FY24 Contribution - semiannual payments\$512,958FY24 Contribution - July payment\$503,419FY25 Contribution - semiannual payments\$556,212	Total	8,760,961
FY24 Contribution - semiannual payments\$512,958FY24 Contribution - July payment\$503,419FY25 Contribution - semiannual payments\$556,212	Assets	\$5,963,608
FY24 Contribution - July payment\$503,419FY25 Contribution - semiannual payments\$556,212	Unfunded Actuarial Accrued Liability	\$2,797,353
FY24 Contribution - July payment\$503,419FY25 Contribution - semiannual payments\$556,212	FY24 Contribution - semiannual payments	\$512,958
FY25 Contribution - semiannual payments\$556,212		
		\$556,212
	FY25 Contribution - July payment	\$545,869



### Wareham

Actuarial Valuation as of January 1, 2022

Actives356Inactives85Retirees and Disableds270Total711Payroll17,782,841Average49,952Valuation ResultsNormal CostEmployee1,568,206Employer213,022Administrative Expense113,816Total1,895,044Actuarial Accrued Liability38,596,709Inactives38,596,709Inactives63,499,704Total103,358,595Assets\$70,626,773Unfunded Actuarial Accrued Liability\$32,731,822FY24 Contribution - semiannual payments\$5,718,114	Participants	
Retirees and Disableds270Total711Payroll17,782,841Average49,952Valuation ResultsNormal CostEmployee1,568,206Employer213,022Administrative Expense113,816Total1,895,044Actives38,596,709Inactives1,262,182Retirees and Disableds63,499,704Total103,358,595Assets\$70,626,773Unfunded Actuarial Accrued Liability\$32,731,822	Actives	356
Total711Payroll17,782,841Average17,782,841Valuation Results49,952Valuation Results1Normal Cost1,568,206Employee1,568,206Employer213,022Administrative Expense113,816Total1,895,044Actives38,596,709Inactives1,262,182Retirees and Disableds63,499,704Total103,358,595Assets\$70,626,773Unfunded Actuarial Accrued Liability\$32,731,822	Inactives	85
Payroll Average17,782,841 49,952Normal Cost Employee1,568,206 213,022 113,816 13,816 1,385,044Administrative Expense Total1,368,204 213,022 113,816 1,895,044Actuarial Accrued Liability Actives Inactives Retirees and Disableds Total38,596,709 1,262,182 63,499,704 103,358,595Assets\$70,626,773Unfunded Actuarial Accrued Liability\$32,731,822	Retirees and Disableds	270
Average49,952Valuation ResultsNormal Cost1,568,206Employee1,568,206Employer213,022Administrative Expense113,816Total1,895,044Actuarial Accrued Liability38,596,709Inactives38,596,709Inactives63,499,704Total103,358,595Assets\$70,626,773Unfunded Actuarial Accrued Liability\$32,731,822	Total	711
Valuation ResultsNormal Cost1,568,206Employee213,022Administrative Expense113,816Total1,895,044Actuarial Accrued Liability38,596,709Inactives38,596,709Inactives1,262,182Retirees and Disableds63,499,704Total103,358,595Assets\$70,626,773Unfunded Actuarial Accrued Liability\$32,731,822	Payroll	17,782,841
Normal Cost1,568,206Employee213,022Administrative Expense113,816Total1,895,044Actuarial Accrued Liability38,596,709Inactives1,262,182Retirees and Disableds63,499,704Total103,358,595Assets\$70,626,773Unfunded Actuarial Accrued Liability\$32,731,822	Average	49,952
Employee1,568,206Employer213,022Administrative Expense113,816Total1,895,044Actuarial Accrued Liability38,596,709Inactives1,262,182Retirees and Disableds63,499,704Total103,358,595Assets\$70,626,773Unfunded Actuarial Accrued Liability\$32,731,822	Valuation Results	
Employer213,022Administrative Expense113,816Total1,895,044Actuarial Accrued Liability38,596,709Inactives1,262,182Retirees and Disableds63,499,704Total103,358,595Assets\$70,626,773Unfunded Actuarial Accrued Liability\$32,731,822	Normal Cost	
Administrative Expense113,816Total1,895,044Actuarial Accrued Liability Actives38,596,709Inactives38,596,709Inactives1,262,182Retirees and Disableds Total63,499,704Total103,358,595Assets\$70,626,773Unfunded Actuarial Accrued Liability\$32,731,822	Employee	1,568,206
Total1,895,044Actuarial Accrued Liability Actives38,596,709 1,262,182 1,262,182 Retirees and Disableds TotalRetirees and Disableds Total63,499,704 103,358,595Assets\$70,626,773Unfunded Actuarial Accrued Liability\$32,731,822	Employer	213,022
Actuarial Accrued Liability38,596,709Inactives1,262,182Retirees and Disableds63,499,704Total103,358,595Assets\$70,626,773Unfunded Actuarial Accrued Liability\$32,731,822	Administrative Expense	113,816
Actives38,596,709Inactives1,262,182Retirees and Disableds63,499,704Total103,358,595Assets\$70,626,773Unfunded Actuarial Accrued Liability\$32,731,822	Total	1,895,044
Inactives1,262,182Retirees and Disableds63,499,704Total103,358,595Assets\$70,626,773Unfunded Actuarial Accrued Liability\$32,731,822	Actuarial Accrued Liability	
Retirees and Disableds63,499,704Total103,358,595Assets\$70,626,773Unfunded Actuarial Accrued Liability\$32,731,822	Actives	38,596,709
Total 103,358,595   Assets \$70,626,773   Unfunded Actuarial Accrued Liability \$32,731,822	Inactives	1,262,182
Assets \$70,626,773 Unfunded Actuarial Accrued Liability \$32,731,822	Retirees and Disableds	63,499,704
Unfunded Actuarial Accrued Liability \$32,731,822	Total	103,358,595
	Assets	\$70,626,773
FY24 Contribution - semiannual payments \$5.718.114	Unfunded Actuarial Accrued Liability	\$32,731,822
	FY24 Contribution - semiannual payments	\$5,718,114
FY24 Contribution - July payment \$5,611,779	· ·	
FY25 Contribution - semiannual payments\$6,231,259	FY25 Contribution - semiannual payments	\$6,231,259
FY25 Contribution - July payment\$6,115,381	FY25 Contribution - July payment	\$6,115,381



### Wareham Fire District

Actuarial Valuation as of January 1, 2022

Participants	
Actives	51
Inactives	1
Retirees and Disableds	32
Total	84
Payroll	3,601,801
Average	70,624
Valuation Results	
Normal Cost	
Employee	331,280
Employer	25,639
Administrative Expense	25,979
Total	382,898
Actuarial Accrued Liability	
Actives	10,576,160
Inactives	11,173
Retirees and Disableds	13,004,700
Total	23,592,033
Assets	\$16,059,156
Unfunded Actuarial Accrued Liability	\$7,532,877
EV24 Contribution comismuel neuments	¢1 201 429
FY24 Contribution - semiannual payments FY24 Contribution - July payment	\$1,291,428 \$1,267,412
FY25 Contribution - semiannual payments	\$1,410,085
FY25 Contribution - July payment	\$1,383,863
	\$ 1,0 00,000



### Wareham Housing

Actuarial Valuation as of January 1, 2022

Participants	
Actives	1
Inactives	0
Retirees and Disableds	3
Total	4
Payroll	82,977
Average	82,977
Valuation Results	
Normal Cost	
Employee	7,772
Employer	734
Administrative Expense	1,283
Total	9,789
Actuarial Accrued Liability	
Actives	227,822
Inactives	0
Retirees and Disableds	937,257
Total	1,165,079
Assets	\$793,072
Unfunded Actuarial Accrued Liability	\$372,007
FY24 Contribution - semiannual payments	\$63,224
FY24 Contribution - semiannual payments FY24 Contribution - July payment	\$63,224 \$62,048
FY25 Contribution - semiannual payments	\$69,097
FY25 Contribution - July payment	\$67,812
	\$07,012



### West Bridgewater

Actuarial Valuation as of January 1, 2022

Participants	
Actives	162
Inactives	25
Retirees and Disableds	121
Total	308
Payroll	9,578,626
Average	59,127
Valuation Results	
Normal Cost	
Employee	872,331
Employer	102,172
Administrative Expense	61,776
Total	1,036,279
Actuarial Accrued Liability	
Actives	22,579,972
Inactives	271,512
Retirees and Disableds	33,248,625
Total	56,100,109
Assets	\$38,187,486
Unfunded Actuarial Accrued Liability	\$17,912,623
EV24 Contribution comission us a neurosete	¢2 112 722
FY24 Contribution - semiannual payments FY24 Contribution - July payment	\$3,113,733 \$3,055,830
FY25 Contribution - semiannual payments	\$3,394,850
FY25 Contribution - July payment	\$3,331,719
1 125 Contribution - Jury payment	ψυ,υυ1,/19



## Whitman

Actuarial Valuation as of January 1, 2022

Actives116Inactives15Retirees and Disableds99Total230Payroll7,856,112Average67,725Valuation ResultsNormal CostEmployee723,759Employer53,251Administrative Expense60,342Total837,352Actuarial Accrued Liability24,420,969Inactives124,332Retirees and Disableds30,252,295Total54,797,596Assets\$37,300,862Unfunded Actuarial Accrued Liability\$17,496,734FY24 Contribution - semiannual payments\$2,937,415FY25 Contribution - semiannual payments\$3,208,051FY25 Contribution - July payment\$3,208,051	Participants	
Retirees and Disableds99Total230Payroll7,856,112Average67,725Valuation ResultsNormal Cost723,759Employee723,759Employer33,251Administrative Expense60,342Total837,352Actuarial Accrued Liability24,420,969Inactives124,332Retirees and Disableds30,252,295Total54,797,596Assets\$37,300,862Unfunded Actuarial Accrued Liability\$17,496,734FY24 Contribution - semiannual payments\$2,930,755FY24 Contribution - semiannual payments\$2,937,415FY25 Contribution - semiannual payments\$3,268,839	Actives	116
Total230Payroll7,856,112Average67,725Valuation ResultsNormal Cost723,759Employee723,759Employer53,251Administrative Expense60,342Total837,352Actuarial Accrued Liability24,420,969Inactives124,332Retirees and Disableds30,252,295Total54,797,596Assets\$37,300,862Unfunded Actuarial Accrued Liability\$17,496,734FY24 Contribution - semiannual payments\$2,993,075FY24 Contribution - semiannual payments\$2,937,415FY25 Contribution - semiannual payments\$3,268,839	Inactives	15
Payroll Average7,856,112 67,725Valuation Results67,725Normal Cost Employee723,759 53,251 60,342 104Administrative Expense Total60,342 837,352Actuarial Acerued Liability Actives Inactives24,420,969 124,332 30,252,295 54,797,596Assets30,252,295 54,797,596Assets\$37,300,862Unfunded Actuarial Acerued Liability\$17,496,734FY24 Contribution - semiannual payments FY24 Contribution - semiannual payments\$2,993,075 \$2,937,415 \$2,937,415	Retirees and Disableds	99
Average67,725Valuation ResultsNormal Cost723,759Employee723,759Employer53,251Administrative Expense60,342Total837,352Actuarial Accrued Liability24,420,969Inactives124,332Retirees and Disableds30,252,295Total54,797,596Assets\$37,300,862Unfunded Actuarial Accrued Liability\$17,496,734FY24 Contribution - semiannual payments\$2,993,075FY24 Contribution - semiannual payments\$2,937,415FY25 Contribution - semiannual payments\$3,268,839	Total	230
Valuation ResultsNormal Cost723,759Employee723,759Employer53,251Administrative Expense60,342Total837,352Actuarial Accrued Liability24,420,969Inactives124,332Retirees and Disableds30,252,295Total54,797,596Assets\$37,300,862Unfunded Actuarial Accrued Liability\$17,496,734FY24 Contribution - semiannual payments\$2,993,075FY24 Contribution - semiannual payments\$2,937,415FY25 Contribution - semiannual payments\$3,268,839	Payroll	7,856,112
Normal Cost723,759Employee723,759Employer53,251Administrative Expense60,342Total837,352Actuarial Accrued Liability24,420,969Inactives124,332Retirees and Disableds30,252,295Total54,797,596Assets\$37,300,862Unfunded Actuarial Accrued Liability\$17,496,734FY24 Contribution - semiannual payments\$2,993,075FY24 Contribution - semiannual payments\$2,937,415FY25 Contribution - semiannual payments\$3,268,839	Average	67,725
Employee723,759Employer53,251Administrative Expense60,342Total837,352Actuarial Accrued Liability24,420,969Inactives124,332Retirees and Disableds30,252,295Total54,797,596Assets\$37,300,862Unfunded Actuarial Accrued Liability\$17,496,734FY24 Contribution - semiannual payments\$2,993,075FY24 Contribution - semiannual payments\$2,937,415FY25 Contribution - semiannual payments\$3,268,839	Valuation Results	
Employer53,251Administrative Expense60,342Total837,352Actuarial Accrued Liability24,420,969Inactives124,332Retirees and Disableds30,252,295Total54,797,596Assets\$37,300,862Unfunded Actuarial Accrued Liability\$17,496,734FY24 Contribution - semiannual payments\$2,993,075FY24 Contribution - semiannual payments\$2,993,015FY25 Contribution - semiannual payments\$3,268,839	Normal Cost	
Administrative Expense60,342Total837,352Actuarial Accrued Liability24,420,969Inactives124,332Retirees and Disableds30,252,295Total54,797,596Assets\$37,300,862Unfunded Actuarial Accrued Liability\$17,496,734FY24 Contribution - semiannual payments\$2,993,075FY24 Contribution - semiannual payments\$2,937,415FY25 Contribution - semiannual payments\$3,268,839	Employee	723,759
Total837,352Actuarial Accrued Liability Actives24,420,969Inactives124,332Retirees and Disableds30,252,295Total54,797,596Assets\$37,300,862Unfunded Actuarial Accrued Liability\$17,496,734FY24 Contribution - semiannual payments\$2,993,075FY24 Contribution - July payment\$2,937,415FY25 Contribution - semiannual payments\$3,268,839	Employer	53,251
Actuarial Accrued Liability Actives24,420,969 124,332 30,252,295 30,252,295 TotalRetirees and Disableds Total30,252,295 54,797,596Assets\$37,300,862Unfunded Actuarial Accrued Liability\$17,496,734FY24 Contribution - semiannual payments FY24 Contribution - July payment\$2,993,075 \$2,937,415FY25 Contribution - semiannual payments\$3,268,839	Administrative Expense	60,342
Actives24,420,969Inactives124,332Retirees and Disableds30,252,295Total54,797,596Assets\$37,300,862Unfunded Actuarial Accrued Liability\$17,496,734FY24 Contribution - semiannual payments\$2,993,075FY24 Contribution - semiannual payments\$2,993,075FY25 Contribution - semiannual payments\$2,937,415FY25 Contribution - semiannual payments\$3,268,839	Total	837,352
Inactives124,332Retirees and Disableds30,252,295Total54,797,596Assets\$37,300,862Unfunded Actuarial Accrued Liability\$17,496,734FY24 Contribution - semiannual payments\$2,993,075FY24 Contribution - semiannual payments\$2,993,075FY25 Contribution - semiannual payments\$3,268,839	Actuarial Accrued Liability	
Retirees and Disableds Total30,252,295 54,797,596Assets\$37,300,862Unfunded Actuarial Accrued Liability\$17,496,734FY24 Contribution - semiannual payments FY24 Contribution - July payment\$2,993,075 \$2,937,415FY25 Contribution - semiannual payments\$3,268,839	Actives	24,420,969
Total54,797,596Assets\$37,300,862Unfunded Actuarial Accrued Liability\$17,496,734FY24 Contribution - semiannual payments\$2,993,075FY24 Contribution - July payment\$2,937,415FY25 Contribution - semiannual payments\$3,268,839	Inactives	124,332
Assets\$37,300,862Unfunded Actuarial Accrued Liability\$17,496,734FY24 Contribution - semiannual payments\$2,993,075FY24 Contribution - July payment\$2,937,415FY25 Contribution - semiannual payments\$3,268,839	Retirees and Disableds	30,252,295
Unfunded Actuarial Accrued Liability\$17,496,734FY24 Contribution - semiannual payments\$2,993,075FY24 Contribution - July payment\$2,937,415FY25 Contribution - semiannual payments\$3,268,839	Total	54,797,596
FY24 Contribution - semiannual payments\$2,993,075FY24 Contribution - July payment\$2,937,415FY25 Contribution - semiannual payments\$3,268,839	Assets	\$37,300,862
FY24 Contribution - July payment\$2,937,415FY25 Contribution - semiannual payments\$3,268,839	Unfunded Actuarial Accrued Liability	\$17,496,734
FY24 Contribution - July payment\$2,937,415FY25 Contribution - semiannual payments\$3,268,839	FY24 Contribution - semiannual payments	\$2,993,075
FY25 Contribution - semiannual payments\$3,268,839	· ·	
FY25 Contribution - July payment\$3,208,051		\$3,268,839
	FY25 Contribution - July payment	\$3,208,051



# Whitman/Hanson Regional School

Actuarial Valuation as of January 1, 2022

Participants	
Actives	155
Inactives	137
Retirees and Disableds	129
Total	421
Payroll	5,334,495
Average	34,416
Valuation Results	
Normal Cost	
Employee	459,655
Employer	73,819
Administrative Expense	32,184
Total	565,658
Actuarial Accrued Liability	
Actives	9,374,884
Inactives	1,164,309
Retirees and Disableds	18,687,846
Total	29,227,039
Assets	\$19,894,919
Unfunded Actuarial Accrued Liability	\$9,332,120
FY24 Contribution - semiannual payments	\$1,643,585
FY24 Contribution - July payment	\$1,613,021
FY25 Contribution - semiannual payments	\$1,789,523
FY25 Contribution - July payment	\$1,756,245



### Whitman Housing

Actuarial Valuation as of January 1, 2022

Participants	
Actives	6
Inactives	2
Retirees and Disableds	5
Total	13
Payroll	395,262
Average	65,877
Valuation Results	
Normal Cost	
Employee	33,984
Employer	(7,900)
Administrative Expense	2,490
Total	28,574
Actuarial Accrued Liability	
Actives	1,297,135
Inactives	82,539
Retirees and Disableds	881,189
Total	2,260,863
Assets	\$1,538,975
Unfunded Actuarial Accrued Liability	\$721,888
FY24 Contribution - semiannual payments	\$112,999
FY24 Contribution - July payment	\$110,898
FY25 Contribution - semiannual payments	\$124,631
FY25 Contribution - July payment	\$122,313



### **Abington Housing**

Actuarial Valuation as of January 1, 2022

Participants	
Actives	2
Inactives	0
Retirees and Disableds	3
Total	5
Payroll	111,994
Average	55,997
Valuation Results	
Normal Cost	
Employee	10,304
Employer	(310)
Administrative Expense	985
Total	10,979
Actuarial Accrued Liability	
Actives	180,891
Inactives	0
Retirees and Disableds	713,624
Total	894,515
Assets	\$608,899
Unfunded Actuarial Accrued Liability	\$285,616
FY24 Contribution - semiannual payments	\$47,634
FY24 Contribution - July payment	\$46,748
FY25 Contribution - semiannual payments	\$52,165
FY25 Contribution - July payment	\$51,195



### **Pembroke Housing**

Actuarial Valuation as of January 1, 2022

Participants	
Actives	7
Inactives	1
Retirees and Disableds	7
Total	15
Payroll	478,015
Average	68,288
Valuation Results	
Normal Cost	
Employee	44,420
Employer	(3,265)
Administrative Expense	2,577
Total	43,732
Actuarial Accrued Liability	
Actives	767,935
Inactives	17,327
Retirees and Disableds	1,554,652
Total	2,339,914
Assets	\$1,592,785
Unfunded Actuarial Accrued Liability	\$747,129
FY24 Contribution - semiannual payments	\$122,052
FY24 Contribution - July payment	\$119,782
FY25 Contribution - semiannual payments	\$133,967
FY25 Contribution - July payment	\$131,476



## **Hanson Housing**

Actuarial Valuation as of January 1, 2022

Participants	
Actives	1
Inactives	1
Retirees and Disableds	4
Total	6
Payroll	65,548
Average	65,548
Valuation Results	
Normal Cost	
Employee	6,099
Employer	3,939
Administrative Expense	676
Total	10,714
Actuarial Accrued Liability	
Actives	72,828
Inactives	5,163
Retirees and Disableds	536,182
Total	614,173
Assets	\$418,069
Unfunded Actuarial Accrued Liability	\$196,104
FY24 Contribution - semiannual payments	\$37,019
FY24 Contribution - July payment	\$36,331
FY25 Contribution - semiannual payments	\$40,026
FY25 Contribution - July payment	\$39,281



### **Rockland Housing**

Actuarial Valuation as of January 1, 2022

Participants	
Actives	2
Inactives	0
Retirees and Disableds	4
Total	6
Payroll	150,628
Average	75,314
Valuation Results	
Normal Cost	
Employee	12,452
Employer	939
Administrative Expense	1,044
Total	14,435
Actuarial Accrued Liability	
Actives	464,514
Inactives	0
Retirees and Disableds	483,669
Total	948,183
Assets	\$645,431
Unfunded Actuarial Accrued Liability	\$302,752
FY24 Contribution - semiannual payments	\$51,809
FY24 Contribution - July payment	\$50,846
FY25 Contribution - semiannual payments	\$56,580
FY25 Contribution - July payment	\$55,528



## Halifax Housing

Actuarial Valuation as of January 1, 2022

Participants	
Actives	0
Inactives	0
Retirees and Disableds	2
Total	2
Payroll	0
Average	0
Valuation Results	
Normal Cost	
Employee	0
Employer	0
Administrative Expense	(16)
Total	(16)
Actuarial Accrued Liability	
Actives	0
Inactives	0
Retirees and Disableds	519,848
Total	519,848
Assets	(\$10,007)
Unfunded Actuarial Accrued Liability	(\$4,694)
FY24 Contribution - semiannual payments	\$0
FY24 Contribution - July payment	\$0
FY25 Contribution - semiannual payments	\$0
FY25 Contribution - July payment	\$0



## **Mattapoisett Housing**

Actuarial Valuation as of January 1, 2022

Participants	
Actives	1
Inactives	0
Retirees and Disableds	2
Total	3
Payroll	58,344
Average	58,344
Valuation Results	
Normal Cost	
Employee	3,342
Employer	(2,356)
Administrative Expense	765
Total	1,751
Actuarial Accrued Liability	
Actives	113,525
Inactives	0
Retirees and Disableds	581,441
Total	694,966
Assets	\$473,065
Unfunded Actuarial Accrued Liability	\$221,901
FY24 Contribution - semiannual payments	\$34,810
FY24 Contribution - July payment	\$34,163
FY25 Contribution - semiannual payments	\$38,384
FY25 Contribution - July payment	\$37,670



### **Hanover Housing**

Actuarial Valuation as of January 1, 2022

### Participant Information

Participants	
Actives	0
Inactives	0
Retirees and Disableds	0
Total	0
Payroll	0
Average	0
Valuation Results	
Normal Cost	
Employee	0
Employer	0
Administrative Expense	0
Total	0
Actuarial Accrued Liability	
Actives	0
Inactives	0
Retirees and Disableds	0
Total	0
Assets	\$0
Unfunded Actuarial Accrued Liability	\$0
Omunded Actuantal Acclued Liability	<b>\$</b> 0
FY24 Contribution - semiannual payments	\$0

FY24 Contribution - July payment FY25 Contribution - semiannual payments

FY25 Contribution - July payment



\$0

\$0

\$0

### Acushnet/Rochester/Marion Health District

Actuarial Valuation as of January 1, 2022

Inactives0Retirees and Disableds1Total1Payroll0Average0Valuation ResultsNormal Cost0Employee0Employer0Administrative Expense711Total711Actuarial Accrued Liability0Actives0Inactives0Retirees and Disableds646,077Total646,077Assets\$439,786Unfunded Actuarial Accrued Liability\$206,291FY24 Contribution - semiannual payments\$34,637FY25 Contribution - sumannual payments\$33,993FY25 Contribution - July payment\$33,994FY25 Contribution - July payment\$37,904FY25 Contribution - July payment\$37,904	Participants Actives	0
Total1Payroll0Average0Valuation ResultsNormal Cost0Employee0Employer0Administrative Expense711Total711Actuarial Accrued Liability0Inactives0Retirees and Disableds646,077Total646,077Assets\$439,786Unfunded Actuarial Accrued Liability\$206,291FY24 Contribution - semiannual payments\$33,993FY25 Contribution - semiannual payments\$33,993FY25 Contribution - semiannual payments\$33,994	Inactives	0
Payroll0Average0Valuation ResultsNormal Cost0Employee0Employer0Administrative Expense711Total711Actuarial Accrued Liability0Inactives0Retirees and Disableds646,077Total646,077Assets\$439,786Unfunded Actuarial Accrued Liability\$206,291FY24 Contribution - semiannual payments\$34,637FY25 Contribution - semiannual payments\$33,993FY25 Contribution - semiannual payments\$33,994	Retirees and Disableds	1
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Administrative Expense711Total711Actuarial Accrued Liability711Actives0Inactives0Retirees and Disableds646,077Total646,077Assets\$439,786Unfunded Actuarial Accrued Liability\$206,291FY24 Contribution - semiannual payments\$34,637FY24 Contribution - semiannual payments\$33,993FY25 Contribution - semiannual payments\$37,904	Employee	0
Administrative Expense711Total711Actuarial Accrued Liability711Actives0Inactives0Retirees and Disableds646,077Total646,077Assets\$439,786Unfunded Actuarial Accrued Liability\$206,291FY24 Contribution - semiannual payments\$34,637FY24 Contribution - semiannual payments\$33,993FY25 Contribution - semiannual payments\$37,904	Employer	0
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Actives0Inactives0Retirees and Disableds646,077Total646,077Assets\$439,786Unfunded Actuarial Accrued Liability\$206,291FY24 Contribution - semiannual payments\$34,637FY24 Contribution - July payment\$33,993FY25 Contribution - semiannual payments\$37,904		711
Actives0Inactives0Retirees and Disableds646,077Total646,077Assets\$439,786Unfunded Actuarial Accrued Liability\$206,291FY24 Contribution - semiannual payments\$34,637FY24 Contribution - July payment\$33,993FY25 Contribution - semiannual payments\$37,904		
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Retirees and Disableds646,077Total646,077Assets\$439,786Unfunded Actuarial Accrued Liability\$206,291FY24 Contribution - semiannual payments\$34,637FY24 Contribution - semiannual payments\$33,993FY25 Contribution - semiannual payments\$37,904		
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Assets\$439,786Unfunded Actuarial Accrued Liability\$206,291FY24 Contribution - semiannual payments\$34,637FY24 Contribution - July payment\$33,993FY25 Contribution - semiannual payments\$37,904		
Unfunded Actuarial Accrued Liability\$206,291FY24 Contribution - semiannual payments\$34,637FY24 Contribution - July payment\$33,993FY25 Contribution - semiannual payments\$37,904	Total	646,077
FY24 Contribution - semiannual payments\$34,637FY24 Contribution - July payment\$33,993FY25 Contribution - semiannual payments\$37,904	Assets	\$439,786
FY24 Contribution - July payment\$33,993FY25 Contribution - semiannual payments\$37,904	Unfunded Actuarial Accrued Liability	\$206,291
FY24 Contribution - July payment\$33,993FY25 Contribution - semiannual payments\$37,904		
FY25 Contribution - semiannual payments\$37,904	FY24 Contribution - semiannual payments	\$34,637
	FY24 Contribution - July payment	\$33,993
FY25 Contribution - July payment\$37,199	FY25 Contribution - semiannual payments	\$37,904
	FY25 Contribution - July payment	\$37,199



## West Bridgewater Housing

Actuarial Valuation as of January 1, 2022

Participants	
Actives	1
Inactives	0
Retirees and Disableds	1
Total	2
Payroll	61,437
Average	61,437
	01,107
Valuation Results	
Normal Cost	
Employee	5,725
Employer	1,912
Administrative Expense	408
Total	8,045
Actionical Accompand Lichility	
Actuarial Accrued Liability Actives	89,438
Inactives	09,438 0
Retirees and Disableds	281,423
Total	370,861
Assets	\$252,446
Unfunded Actuarial Accrued Liability	\$118,415
FY24 Contribution - semiannual payments	\$21,869
FY24 Contribution - July payment	\$21,462
FY25 Contribution - semiannual payments	\$23,696
FY25 Contribution - July payment	\$23,255



## South Shore Tri Town Development

Actuarial Valuation as of January 1, 2022

Participants	
Actives	1
Inactives	2
Retirees and Disableds	4
Total	7
Payroll	110,937
Average	110,937
Valuation Results	
Normal Cost	
Employee	10,925
Employer	(424)
Administrative Expense	3,131
Total	13,632
Actuarial Accrued Liability	
Actives	247,017
Inactives	350,431
Retirees and Disableds	2,245,737
Total	2,843,185
Assets	\$1,935,363
Unfunded Actuarial Accrued Liability	\$907,822
FY24 Contribution - semiannual payments	\$151,985
FY24 Contribution - July payment	\$149,159
FY25 Contribution - semiannual payments	\$166,373
FY25 Contribution - July payment	\$163,280



### **Carver Housing**

Actuarial Valuation as of January 1, 2022

### Participant Information

Participants	
Actives	0
Inactives	0
Retirees and Disableds	0
Total	0
Payroll	0
Average	0
Valuation Results	
Normal Cost	
Employee	0
Employer	0
Administrative Expense	0
Total	0
Actuarial Accrued Liability	
Actives	0
Inactives	0
Retirees and Disableds	0
Total	0
Assets	\$0
Unfunded Actuarial Accrued Liability	\$0

FY24 Contribution - semiannual paymentsFY24 Contribution - July paymentFY25 Contribution - semiannual paymentsFY25 Contribution - July payment



\$0

\$0

\$0

\$0

### **No Carver Water District**

Actuarial Valuation as of January 1, 2022

#### Participant Information

Participants	
Actives	0
Inactives	0
Retirees and Disableds	0
Total	0
Payroll	0
Average	0
Valuation Results	
Normal Cost	
Employee	0
Employer	0
Administrative Expense	0
Total	0
Actuarial Accrued Liability	
Actives	0
Inactives	0
Retirees and Disableds	0
Total	0
Assets	\$0
Unfunded Actuarial Accrued Liability	\$0

FY24 Contribution - semiannual payments\$0FY24 Contribution - July payment\$0FY25 Contribution - semiannual payments\$0FY25 Contribution - July payment\$0



\$0

\$0

\$0

\$0

### **No Carver Water District**

Actuarial Valuation as of January 1, 2022

#### Participant Information

Participants0Actives0Inactives0Retirees and Disableds0Total0
Retirees and Disableds 0
Payroll 0
Average 0
Valuation Results
Normal Cost
Employee 0
Employer 0
Administrative Expense 0
Total 0
Actuarial Accrued Liability
Actives
Inactives 0
Retirees and Disableds 0
Total
Assets \$0
Unfunded Actuarial Accrued Liability \$0

FY24 Contribution - semiannual paymentsFY24 Contribution - July paymentFY25 Contribution - semiannual paymentsFY25 Contribution - July payment



### **Other (Retirement Staff)**

Actuarial Valuation as of January 1, 2022

Participants	
Actives	10
Inactives	0
Retirees and Disableds	6
Total	16
Payroll	857,515
Average	85,752
Valuation Results	
Normal Cost	
Employee	75,400
Employer	(6,713)
Administrative Expense	5,711
Total	74,398
Actuarial Accrued Liability	
Actives	2,184,598
Inactives	0
Retirees and Disableds	3,001,350
Total	5,185,948
Assets	\$3,530,088
Unfunded Actuarial Accrued Liability	\$1,655,860
FY24 Contribution - semiannual payments	\$0
FY24 Contribution - July payment	\$0
FY25 Contribution - semiannual payments	\$0
FY25 Contribution - July payment	\$0

