

MASSACHUSETTS TEACHERS' RETIREMENT SYSTEM
INDEPENDENT AUDITORS' REPORT ON PENSION PLAN SCHEDULES
AS OF AND FOR THE FISCAL YEAR ENDED JUNE 30, 2022

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INDEPENDENT AUDITORS' REPORT

Mr. William McNamara, Comptroller
Commonwealth of Massachusetts

Report on the Audit of the Schedules

Opinions

We have audited the accompanying schedule of nonemployer allocations of the Massachusetts Teachers' Retirement System (MTRS) as of and for the fiscal year ended June 30, 2022, and the related notes. We have also audited the total for the columns titled net pension liability, total deferred outflows of resources, total deferred inflows of resources, and total nonemployer pension expense (specified column totals), included in the accompanying schedule of collective pension amounts of MTRS as of and for the fiscal year ended June 30, 2022, and the related notes.

In our opinion, the schedules referred to above present fairly, in all material respects, the nonemployer allocations and ending net pension liability, total deferred outflows of resources, total deferred inflows of resources, and total pension expense of MTRS as of and for the year ended June 30, 2022, in accordance with accounting principles generally accepted in the United States of America.

Basis for Opinions

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

Responsibilities of Management for the Schedules

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

Auditor's Responsibilities for the Audit of the Schedules

Our objectives are to obtain reasonable assurance about whether the schedules of nonemployer allocations and specified column totals included in the schedule of collective pension amounts are free from material misstatement, whether due to fraud or error, and to issue an auditors' report that includes our opinion. Reasonable assurance is a high level of assurance but is not absolute assurance and therefore is not a guarantee that an audit conducted in accordance with GAAS will always detect a material misstatement when it exists. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control. Misstatements are considered material if there is a substantial likelihood that, individually or in the aggregate, they would influence the judgment made by a reasonable user based on the schedules of nonemployer allocations and specified column totals included in the schedule of collective pension amounts.

Mr. William McNamara, Comptroller
Commonwealth of Massachusetts

In performing an audit in accordance with GAAS, we:

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

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

Other Matter

We have audited, in accordance with auditing standards generally accepted in the United States of America, the financial statements of the Commonwealth of Massachusetts as of and for the year ended June 30, 2022, and our report thereon, dated May 31, 2023, expressed an unmodified opinion on those financial statements. MTRS is reported as a pension trust fund in the financial statements of the Commonwealth of Massachusetts.

Other Information

Management is responsible for the other information. The other information comprises the supplemental schedule of employer allocations of special funding amounts, the supplemental schedule of special funding amounts by employer, and the related notes, but does not include the schedules and our auditors' report thereon. Our opinions on the schedules do not cover the other information, and we do not express an opinion or any form of assurance thereon.

In connection with our audit of the schedules, our responsibility is to read the other information and consider whether a material inconsistency exists between the other information and the schedules, or the other information otherwise appears to be materially misstated. If, based on the work performed, we conclude that an uncorrected material misstatement of the other information exists, we are required to describe it in our report.

Restriction on Use

Our report is intended solely for the information and use of MTRS management and its board, MTRS employers and their auditors, and the Commonwealth of Massachusetts, and is not intended to be, and should not be, used by anyone other than these specified parties.



CliftonLarsonAllen LLP

Boston, Massachusetts
July 24, 2023

**MASSACHUSETTS TEACHERS' RETIREMENT SYSTEM
SCHEDULE OF NONEMPLOYER ALLOCATIONS
AS OF AND FOR THE FISCAL YEAR ENDED JUNE 30, 2022**

<u>Nonemployer</u>	<u>Nonemployer Contributions</u>	<u>Allocation Percentage</u>
Commonwealth of Massachusetts.....	<u>\$ 2,104,604,000</u>	<u>100.00000%</u>

See accompanying notes to schedules.

**MASSACHUSETTS TEACHERS' RETIREMENT SYSTEM
SCHEDULE OF COLLECTIVE PENSION AMOUNTS
AS OF AND FOR THE FISCAL YEAR ENDED JUNE 30, 2022**

Nonemployer	Net Pension Liability	Deferred Outflows of Resources			Deferred Inflows of Resources			Pension Expense
		Differences Between Expected and Actual Experience	Changes of Assumptions	Total Deferred Outflows of Resources	Differences Between Expected and Actual Experience	Net Differences Between Projected and Actual Investment Earnings on Pension Plan Investments	Total Deferred Inflows of Resources	Total Nonemployer Pension Expense
Commonwealth of Massachusetts.....	\$ 25,888,138,000	\$ 287,552,362	\$ 1,218,016,449	\$ 1,505,568,811	\$ 693,651,944	\$ 46,430,800	\$ 740,082,744	\$ 2,129,551,933

See accompanying notes to schedules.

MASSACHUSETTS TEACHERS' RETIREMENT SYSTEM
NOTES TO SCHEDULES
AS OF AND FOR THE FISCAL YEAR ENDED JUNE 30, 2022

NOTE 1 - PLAN DESCRIPTION

The Massachusetts Teachers' Retirement System (MTRS) is a public employee retirement system (PERS) that administers a cost-sharing multiple employer defined benefit pension plan, as defined in Governmental Accounting Standards Board (GASB) Statement No. 67, *Financial Reporting for Pension Plans*. MTRS is managed by the Commonwealth on behalf of municipal teachers and municipal teacher retirees. The Commonwealth is a nonemployer contributing entity and is legally responsible for all contributions and future benefit requirements of the MTRS. The MTRS covers certified teachers in cities (except Boston), towns, regional school districts, charter schools, educational collaboratives and Quincy College. The MTRS is reported as a pension trust fund in the Commonwealth's Annual Comprehensive Financial Report and does not issue a stand-alone audited financial report.

Management of MTRS is vested in the Massachusetts Teachers' Retirement Board (MTRB), which consists of seven members—two elected by the MTRS members, the State Treasurer (or their designee), the State Auditor (or their designee), a member appointed by the Governor, the Commissioner of Education (or their designee), who serves ex-officio as the Chairman of the MTRB and one who is chosen by the six other MTRB members.

Benefits provided. MTRS provides retirement, disability, survivor and death benefits to members and their beneficiaries. Massachusetts General Laws (MGL) establishes uniform benefit and contribution requirements for all contributory PERS. These requirements provide for superannuation retirement allowance benefits up to a maximum of 80% of a member's highest three-year average annual rate of regular compensation. For employees hired after April 1, 2012, retirement allowances are calculated on the basis of the last five years or any five consecutive years, whichever is greater in terms of compensation. Benefit payments are based upon a member's age, length of creditable service, group creditable service, and group classification. The authority for amending these provisions rests with the Legislature.

Members become vested after ten years of creditable service. A superannuation retirement allowance may be received upon the completion of 20 years of creditable service or upon reaching the age of 55 with ten years of service. Normal retirement for most employees occurs at age 65. Most employees who joined the system after April 1, 2012 cannot retire and receive benefit prior to age 60.

The MTRS' funding policies have been established by Chapter 32 of the MGL. The Legislature has the authority to amend these policies. The annuity portion of the MTRS retirement allowance is funded by employees, who contribute a percentage of their regular compensation. Costs of administering the plan are funded out of plan assets.

**MASSACHUSETTS TEACHERS' RETIREMENT SYSTEM
NOTES TO SCHEDULES
AS OF AND FOR THE FISCAL YEAR ENDED JUNE 30, 2022**

Member contributions for MTRS vary depending on the most recent date of membership:

Hire Date	% of Compensation
Prior to 1975.....	5% of regular compensation
1975 - 1983.....	7% of regular compensation
1984 to 6/30/1996.....	8% of regular compensation
7/1/1996 to present.....	9% of regular compensation
7/1/2001 to present.....	11% of regular compensation (for teachers hired after 7/1/01 and those accepting provisions of Chapter 114 of the Acts of 2000)
1979 to present.....	An additional 2% of regular compensation in excess of \$30,000 except for teachers subject to Chapter 114 of the Acts of 2000.

In addition, members who join the system on or after April 2, 2012, will have their withholding rates reduced by 3% after achieving 30 years of creditable service.

NOTE 2 - BASIS OF PRESENTATION

The Schedule of Nonemployer Allocations and Schedule of Collective Pension Amounts (the Schedules) present amounts that are elements of the financial statements of the MTRS and the Commonwealth of Massachusetts as the nonemployer entity. Accordingly, they do not purport to be a complete presentation of the financial position or changes in financial position of the MTRS or the Commonwealth of Massachusetts. The amounts presented in the Schedules were prepared in accordance with U.S. generally accepted accounting principles. Such preparation requires management of the MTRS to make a number of estimates and assumptions related to the reported amounts. Actual results could differ from those estimates.

NOTE 3 - SPECIAL FUNDING SITUATION

The Commonwealth is a nonemployer contributing entity and is required by statute to make all actuarially determined employer contributions on behalf of the member employers. Therefore, these employers are considered to be in a special funding situation as defined by GASB Statement No. 68, *Accounting and Financial Reporting for Pensions* and the Commonwealth is a nonemployer contributing entity in MTRS. Since the employers do not contribute directly to MTRS, there is no net pension liability to recognize for each employer. However, the notes to the financial statements must disclose the portion of the nonemployer contributing entities' share of the collective net pension liability that is associated with the employer. In addition, each employer must recognize its portion of the collective pension expense as both a revenue and pension expense.

**MASSACHUSETTS TEACHERS' RETIREMENT SYSTEM
NOTES TO SCHEDULES
AS OF AND FOR THE FISCAL YEAR ENDED JUNE 30, 2022**

NOTE 4 - COLLECTIVE NET PENSION LIABILITY

The collective net pension liability on June 30, 2022 was as follows (amounts in thousands):

Total pension liability.....		\$ 61,273,000
Less:		
Plan fiduciary net position.....		<u>35,384,862</u>
Net pension liability.....		<u>\$ 25,888,138</u>
Plan fiduciary net position as a percentage of total pension liability.....		<u>57.75%</u>

Actuarial Assumptions

The total pension liability for the June 30, 2022 measurement date was determined by an actuarial valuation as of January 1, 2022 rolled forward to June 30, 2022, using the following actuarial assumptions:

1. (a) 2.5% inflation rate; (b) 7.00% investment rate of return; (c) 3.50% interest rate credited to the annuity savings fund; and (d) 3.00% cost of living increase on the first \$13,000 of allowance per year.
2. Salary increases are based on analyses of past experience but range from 4.00% to 7.50% depending on length of service.
3. Mortality rates were as follows:
 - Pre-retirement - reflects Pub-2010 Teachers Employees mortality table (headcount weighted) projected generationally with Scale MP-2020 (gender distinct).
 - Post-retirement - reflects Pub-2010 Teachers Retirees mortality table (headcount weighted) projected generationally with Scale MP-2020 (gender distinct).
 - Disability - assumed to be in accordance with the Pub-2010 Teachers Retirees mortality table (headcount weighted) projected generationally with Scale MP-2020 (gender distinct).
4. Experience study was performed as follows:
 - Dated July 21, 2014 and encompasses the period January 1, 2006 to December 31, 2011, updated to reflect post-retirement mortality from 2012 to 2020 for post-retirement mortality.

Investment assets of the MTRS are with the Pension Reserves Investment Trust (PRIT) Fund. The long-term expected rate of return on pension plan investments was determined using a building-block method in which best-estimate ranges of expected future rates of return are developed for each major asset class. These ranges are combined to produce the long-term expected rate of return by weighting the expected future rates of return by the target asset allocation percentage. Best estimates of geometric rates of return for each major asset class included in the PRIT Fund's target asset allocation as of June 30, 2022 are summarized in the following table:

**MASSACHUSETTS TEACHERS' RETIREMENT SYSTEM
NOTES TO SCHEDULES
AS OF AND FOR THE FISCAL YEAR ENDED JUNE 30, 2022**

<u>Asset Class</u>	<u>Target Allocation</u>	<u>Long-Term Expected Real Rate of Return</u>
Global Equity.....	38.0%	4.2%
Core Fixed Income.....	15.0%	0.5%
Private Equity.....	15.0%	7.3%
Portfolio Completion Strategies..	10.0%	2.7%
Real Estate.....	10.0%	3.3%
Value Added Fixed Income.....	8.0%	3.7%
Timberland/Natural Resources..	4.0%	3.9%
 Total.....	 <u>100.0%</u>	

Discount Rate

The discount rate used to measure the total pension liability was 7.00%. The projection of cash flows used to determine the discount rate assumed that plan member contributions will be made at the current contribution rates and the Commonwealth's contributions will be made at rates equal to the difference between actuarially determined contribution rates and the member rates. Based on those assumptions, the net position was projected to be available to make all projected future benefit payments of current plan members. Therefore, the long-term expected rate of return on pension plan investments was applied to all periods of projected benefit payments to determine the total pension liability.

Sensitivity Analysis

The following illustrates the sensitivity of the collective net pension liability to changes in the discount rate as of June 30, 2022. In particular, the table presents the MTRS collective net pension liability assuming it was calculated using a single discount rate that is one-percentage-point lower or one-percentage-point higher than the current discount rate (amounts in thousands):

<u>1% Decrease to 6.00%</u>	<u>Current Discount Rate 7.00%</u>	<u>1% Increase to 8.00%</u>
<u>\$ 32,734,080</u>	<u>\$ 25,888,138</u>	<u>\$ 20,094,302</u>

MASSACHUSETTS TEACHERS' RETIREMENT SYSTEM
NOTES TO SCHEDULES
AS OF AND FOR THE FISCAL YEAR ENDED JUNE 30, 2022

NOTE 5 - DEFERRED OUTFLOW AND INFLOW OF RESOURCES

The following table summarizes the changes in both deferred outflows and deferred inflows of resources (amounts in thousands):

	Year of Deferral	Amortization Period	Balance July 1, 2021	Additions	Deletions	Balance June 30, 2022
Deferred Outflows of Resources:						
Difference between expected and actual experience.....						
	2017	6.2 years	\$ 9,106	\$ -	\$ (7,588)	\$ 1,518
	2018	6.1 years	31,781	-	(15,134)	16,647
	2019	6.1 years	25,872	-	(8,346)	17,526
	2020	6.1 years	333,107	-	(81,246)	251,861
Subtotal.....			399,866	-	(112,314)	287,552
Change of assumptions.....						
	2017	6.2 years	227,612	-	(189,677)	37,935
	2018	6.1 years	290,902	-	(138,525)	152,377
	2019	6.1 years	293,230	-	(94,590)	198,640
	2020	6.1 years	577,360	-	(140,820)	436,540
	2021	6.1 years	488,262	-	(95,738)	392,524
Subtotal.....			1,877,366	-	(659,350)	1,218,016
Total deferred outflows of resources.....			\$ 2,277,232	\$ -	\$ (771,663)	\$ 1,505,569
Deferred Inflows of Resources:						
Difference between expected and actual experience.....						
	2016	6.2 years	\$ (2,387)	\$ -	\$ 2,387	\$ -
	2021	6.1 years	(464,286)	-	91,036	(373,250)
	2022	6.0 years	-	(384,483)	64,080	(320,402)
Subtotal.....			(466,673)	(384,483)	157,504	(693,652)
Net difference between projected and actual earnings on plan investments.....						
	2018	5.0 years	(119,635)	-	119,635	-
	2019	5.0 years	181,875	-	(90,937)	90,938
	2020	5.0 years	891,509	-	(297,170)	594,339
	2021	5.0 years	(5,155,136)	-	1,288,784	(3,866,352)
	2022	5.0 years	-	3,918,305	(783,661)	3,134,644
Subtotal.....			(4,201,387)	3,918,305	236,651	(46,431)
Total deferred inflows of resources.....			\$ (4,668,060)	\$ 3,533,822	\$ 394,155	\$ (740,083)

**MASSACHUSETTS TEACHERS' RETIREMENT SYSTEM
NOTES TO SCHEDULES
AS OF AND FOR THE FISCAL YEAR ENDED JUNE 30, 2022**

Amounts reported as deferred outflows of resources and deferred inflows of resources related to pensions will be recognized in the collective pension expense as follows (amounts in thousands):

Fiscal Year Ending June 30	
2023.....	\$ 341,718
2024.....	73,035
2025.....	(332,143)
2026.....	746,488
2027.....	(63,612)
Thereafter.....	<u>-</u>
Total.....	<u>\$ 765,486</u>

NOTE 6 - COLLECTIVE PENSION EXPENSE

The following table shows the components of pension expense as of June 30, 2022 (amounts in thousands):

Service cost.....	\$	1,084,503
Interest on the total pension liability.....		4,143,763
Employee contributions.....		(892,123)
Projected earnings on plan investments.....		(2,564,758)
Transfers and reimbursements from other systems.....		(78,457)
Member make up, redeposits and payments from rollovers.....		(15,395)
Other reimbursements.....		(3,537)
Administrative expense.....		19,196
Other changes.....		58,852
Recognition (amortization) of deferred outflows and inflows of resources:		
Differences between expected and actual experience.....		(45,190)
Differences between projected and actual earnings on plan investments....		(236,651)
Changes of assumptions.....		<u>659,350</u>
Pension expense.....	\$	<u>2,129,552</u>

SUPPLEMENTAL INFORMATION
(SEE ACCOMPANYING INDEPENDENT AUDITORS' REPORT)
(UNAUDITED)

**MASSACHUSETTS TEACHERS' RETIREMENT SYSTEM
 SUPPLEMENTAL SCHEDULE OF EMPLOYER ALLOCATIONS
 OF SPECIAL FUNDING AMOUNTS
 AS OF AND FOR THE FISCAL YEAR ENDED JUNE 30, 2022
 (UNAUDITED)**

Employer	Commonwealth Pension Support Provided	Employer Allocation Percentage
0100-ABINGTON PUBLIC SCHOOLS.....	\$ 4,194,747	0.199313%
0110-ACTON-BOXBOROUGH REGIONAL SCHOOL.....	12,677,766	0.602382%
0115-ACUSHNET PUBLIC SCHOOLS.....	1,774,053	0.084294%
0120-HOOSAC VALLEY REGIONAL SCHOOL DISTRICT SCHOOLS.....	2,193,375	0.104218%
0125-AGAWAM PUBLIC SCHOOLS.....	8,424,042	0.400267%
0130-AMESBURY PUBLIC SCHOOLS.....	4,666,067	0.221708%
0135-AMHERST PUBLIC SCHOOLS.....	3,313,807	0.157455%
0140-AMHERST-PELHAM REGIONAL SCHOOL DISTRICT.....	3,155,359	0.149927%
0145-ANDOVER PUBLIC SCHOOLS.....	15,857,620	0.753473%
0150-ARLINGTON PUBLIC SCHOOLS.....	13,543,207	0.643504%
0160-ASHBURNHAM-WESTMINSTER REGIONAL SCHOOL.....	4,137,914	0.196612%
0170-ASHLAND PUBLIC SCHOOLS.....	6,195,208	0.294365%
0175-ASSABET VALLEY REGIONAL VOCATIONAL SCHOOL.....	3,331,528	0.158297%
0180-ASSABET VALLEY COLLABORATIVE SCHOOL.....	844,154	0.040110%
0185-ATHOL-ROYALSTON REGIONAL SCHOOL.....	2,951,913	0.140260%
0190-ATTLEBORO PUBLIC SCHOOLS.....	11,470,171	0.545004%
0195-AUBURN PUBLIC SCHOOLS.....	5,023,596	0.238696%
0200-AVON PUBLIC SCHOOLS.....	1,763,638	0.083799%
0210-BARNSTABLE PUBLIC SCHOOLS.....	11,988,998	0.569656%
0220-BEDFORD PUBLIC SCHOOLS.....	7,828,808	0.371985%
0225-BELCHERTOWN PUBLIC SCHOOLS.....	4,332,299	0.205849%
0230-BELLINGHAM PUBLIC SCHOOLS.....	4,767,996	0.226551%
0235-BELMONT PUBLIC SCHOOLS.....	9,238,260	0.438955%
0240-BERKLEY PUBLIC SCHOOLS.....	1,684,253	0.080027%
0245-BERKSHIRE HILLS REGIONAL SCHOOL DISTRICT.....	3,156,279	0.149970%
0255-BERLIN-BOYLSTON REGIONAL SCHOOL.....	2,480,093	0.117841%
0265-BEVERLY PUBLIC SCHOOLS.....	9,738,419	0.462720%
0270-BICOUNTY COLLABORATIVE.....	1,474,438	0.070058%
0275-BILLERICA PUBLIC SCHOOLS.....	12,023,395	0.571290%
0280-BLACKSTONE-MILLVILLE REGIONAL SCHOOL.....	3,097,033	0.147155%
0285-BLACKSTONE VALLEY REGIONAL VOCATIONAL SCHOOL.....	3,111,391	0.147837%
0300-BLUE HILLS REGIONAL TECH.....	2,548,829	0.121107%
0315-BOURNE PUBLIC SCHOOLS.....	4,414,176	0.209739%
0325-BOXFORD PUBLIC SCHOOLS.....	1,916,257	0.091051%
0335-BRAINTREE PUBLIC SCHOOLS.....	12,974,900	0.616501%
0340-BREWSTER PUBLIC SCHOOLS.....	1,088,323	0.051712%
0350-BRIDGewater-RAYNHAM REGIONAL SCHOOL.....	10,038,940	0.476999%
0355-BRIMFIELD PUBLIC SCHOOLS.....	697,866	0.033159%
0360-BRISTOL COUNTY AGRICULTURAL SCHOOL.....	994,181	0.047238%
0365-BRISTOL-PLYMOUTH REGIONAL SCHOOL.....	3,328,940	0.158174%
0370-BROCKTON PUBLIC SCHOOLS.....	35,706,642	1.696597%
0375-BROOKFIELD PUBLIC SCHOOLS.....	532,108	0.025283%
0380-BROOKLINE PUBLIC SCHOOLS.....	23,103,646	1.097767%
0390-BURLINGTON PUBLIC SCHOOLS.....	10,182,651	0.483827%

**MASSACHUSETTS TEACHERS' RETIREMENT SYSTEM
 SUPPLEMENTAL SCHEDULE OF EMPLOYER ALLOCATIONS
 OF SPECIAL FUNDING AMOUNTS
 AS OF AND FOR THE FISCAL YEAR ENDED JUNE 30, 2022
 (UNAUDITED)**

Employer	Commonwealth Pension Support Provided	Employer Allocation Percentage
0395-CAMBRIDGE PUBLIC SCHOOLS.....	\$ 26,970,745	1.281512%
0400-CANTON PUBLIC SCHOOLS.....	7,396,858	0.351461%
0410-CAPE COD REGIONAL SCHOOL DISTRICT.....	1,834,049	0.087145%
0415-CAPE COD COLLABORATIVE.....	723,850	0.034394%
0420-CAPS COLLABORATIVE.....	808,430	0.038412%
0425-CARLISLE PUBLIC SCHOOLS.....	2,032,652	0.096581%
0430-CARVER PUBLIC SCHOOLS.....	3,407,541	0.161909%
0435-CASE COLLABORATIVE.....	885,312	0.042065%
0440-CENTRAL BERKSHIRE REGIONAL.....	3,205,222	0.152296%
0445-CENTRAL MASSACHUSETTS SPECIAL EDUCATION COLLABORATIVE...	1,876,529	0.089163%
0460-CHELMSFORD PUBLIC SCHOOLS.....	10,214,104	0.485322%
0465-CHELSEA PUBLIC SCHOOLS.....	13,179,382	0.626217%
0470-CHESTERFIELD-GOSHEN REGIONAL.....	330,431	0.015700%
0475-CHICOPEE PUBLIC SCHOOLS.....	14,773,308	0.701952%
0485-CLARKSBURG PUBLIC SCHOOLS.....	451,495	0.021453%
0490-CLINTON PUBLIC SCHOOLS.....	3,937,249	0.187078%
0495-COHASSET PUBLIC SCHOOLS.....	3,959,998	0.188159%
0500-CONCORD PUBLIC SCHOOLS.....	6,679,078	0.317356%
0505-CONCORD-CARLISLE REGIONAL SCHOOL.....	4,204,980	0.199799%
0510-CONWAY PUBLIC SCHOOLS.....	367,645	0.017469%
0515-SOUTH COAST ED. COLLABORATIVE (COOPC).....	1,904,778	0.090505%
0520-DANVERS PUBLIC SCHOOLS.....	8,218,023	0.390478%
0525-DARTMOUTH PUBLIC SCHOOLS.....	8,078,671	0.383857%
0530-DEDHAM PUBLIC SCHOOLS.....	8,283,381	0.393584%
0540-DEERFIELD PUBLIC SCHOOLS.....	722,658	0.034337%
0545-DENNIS-YARMOUTH REGIONAL SCHOOLS.....	8,327,293	0.395670%
0555-DIGHTON-REHOBOTH REGIONAL SCHOOL.....	5,783,657	0.274810%
0560-DOUGLAS PUBLIC SCHOOLS.....	2,402,847	0.114171%
0565-DOVER PUBLIC SCHOOLS.....	1,212,585	0.057616%
0570-DOVER-SHERBORN REGIONAL SCHOOL.....	3,848,331	0.182853%
0575-DRACUT PUBLIC SCHOOLS.....	5,527,678	0.262647%
0580-DUDLEY-CHARLTON REGIONAL SCHOOLS.....	6,740,629	0.320280%
0585-DUXBURY PUBLIC SCHOOLS.....	6,501,349	0.308911%
0590-EAST BRIDGEWATER PUBLIC SCHOOLS.....	4,119,886	0.195756%
0600-EAST LONGMEADOW PUBLIC SCHOOLS.....	5,448,155	0.258868%
0605-EASTHAM PUBLIC SCHOOLS.....	602,358	0.028621%
0610-EASTHAMPTON PUBLIC SCHOOLS.....	2,896,353	0.137620%
0615-EASTON PUBLIC SCHOOLS.....	7,165,962	0.340490%
0620-EDGARTOWN PUBLIC SCHOOLS.....	1,135,377	0.053947%
0625-ERVING PUBLIC SCHOOLS.....	444,127	0.021103%
0640-EVERETT PUBLIC SCHOOLS.....	15,172,081	0.720900%
0645-FAIRHAVEN PUBLIC SCHOOLS.....	3,819,538	0.181485%
0650-FALL RIVER PUBLIC SCHOOLS.....	20,916,778	0.993858%
0655-FALMOUTH PUBLIC SCHOOLS.....	8,587,122	0.408016%
0660-FITCHBURG PUBLIC SCHOOLS.....	10,538,673	0.500744%

**MASSACHUSETTS TEACHERS' RETIREMENT SYSTEM
 SUPPLEMENTAL SCHEDULE OF EMPLOYER ALLOCATIONS
 OF SPECIAL FUNDING AMOUNTS
 AS OF AND FOR THE FISCAL YEAR ENDED JUNE 30, 2022
 (UNAUDITED)**

Employer	Commonwealth Pension Support Provided	Employer Allocation Percentage
0665-KEYSTONE EDUCATIONAL COLLABORATIVE.....	\$ 1,162,529	0.055237%
0670-FLORIDA PUBLIC SCHOOLS.....	170,516	0.008102%
0675-FOXBOROUGH PUBLIC SCHOOLS.....	6,345,848	0.301522%
0680-FRAMINGHAM PUBLIC SCHOOLS.....	22,816,754	1.084135%
0685-FRANKLIN PUBLIC SCHOOLS.....	11,349,729	0.539281%
0690-FRANKLIN COUNTY REGIONAL SCHOOL DISTRICT.....	1,540,583	0.073201%
0700-FREETOWN-LAKEVILLE REGIONAL SCHOOLS.....	4,893,499	0.232514%
0705-FRONTIER REGIONAL SCHOOL DISTRICT.....	1,439,046	0.068376%
0710-GARDNER PUBLIC SCHOOLS.....	4,393,798	0.208771%
0715-GATEWAY REGIONAL SCHOOL.....	1,933,366	0.091864%
0725-GEORGETOWN PUBLIC SCHOOLS.....	2,920,078	0.138747%
0730-GILL-MONTAGUE REGIONAL.....	2,231,548	0.106032%
0735-GLOUCESTER PUBLIC SCHOOLS.....	6,923,040	0.328947%
0745-GOSNOLD PUBLIC SCHOOLS.....	11,506	0.000547%
0750-GRAFTON PUBLIC SCHOOLS.....	6,368,613	0.302604%
0755-GRANBY PUBLIC SCHOOLS.....	1,525,809	0.072499%
0765-DIMAN REGIONAL VOCATIONAL SCHOOL.....	4,016,158	0.190827%
0770-GREATER LAWRENCE REGIONAL.....	4,471,713	0.212473%
0775-CREST COLLABORATIVE.....	1,555,194	0.073895%
0780-GREATER LOWELL REGIONAL.....	5,897,404	0.280214%
0785-GREATER NEW BEDFORD REGIONAL VOCATIONAL SCHOOL.....	5,790,661	0.275143%
0795-GREENFIELD PUBLIC SCHOOLS.....	3,199,743	0.152035%
0800-GROTON-DUNSTABLE REGIONAL.....	5,380,206	0.255640%
0810-HADLEY PUBLIC SCHOOLS.....	1,181,044	0.056117%
0815-HALIFAX PUBLIC SCHOOLS.....	959,449	0.045588%
0820-HAMILTON-WENHAM REGIONAL.....	4,423,091	0.210163%
0830-HAMPDEN-WILBRAHAM REGIONAL.....	5,974,934	0.283898%
0835-HAMPSHIRE REGIONAL SCHOOL.....	1,807,681	0.085892%
0840-COLLABORATIVE FOR EDUCATIONAL SERVICES.....	3,895,130	0.185077%
0845-HANCOCK PUBLIC SCHOOLS.....	135,689	0.006447%
0850-HANOVER PUBLIC SCHOOLS.....	6,159,899	0.292687%
0865-HARVARD PUBLIC SCHOOLS.....	2,667,848	0.126762%
0875-HATFIELD PUBLIC SCHOOLS.....	1,048,374	0.049813%
0880-HAVERHILL PUBLIC SCHOOLS.....	16,450,960	0.781665%
0885-HAWLEMONT REGIONAL SCHOOL.....	289,584	0.013760%
0895-HINGHAM PUBLIC SCHOOLS.....	10,348,818	0.491723%
0900-HOLBROOK PUBLIC SCHOOLS.....	2,471,999	0.117457%
0910-HOLLAND PUBLIC SCHOOLS.....	468,497	0.022261%
0915-HOLLISTON PUBLIC SCHOOLS.....	6,570,445	0.312194%
0920-HOLYOKE PUBLIC SCHOOLS.....	11,448,985	0.543997%
0925-HOPEDALE PUBLIC SCHOOLS.....	2,369,454	0.112584%
0930-HOPKINTON PUBLIC SCHOOLS.....	10,559,196	0.501719%
0940-HUDSON PUBLIC SCHOOLS.....	6,883,872	0.327086%
0945-HULL PUBLIC SCHOOLS.....	2,689,602	0.127796%
0950-IPSWICH PUBLIC SCHOOLS.....	4,401,646	0.209144%
0955-KING PHILIP REGIONAL SCHOOL.....	4,029,655	0.191469%

**MASSACHUSETTS TEACHERS' RETIREMENT SYSTEM
 SUPPLEMENTAL SCHEDULE OF EMPLOYER ALLOCATIONS
 OF SPECIAL FUNDING AMOUNTS (CONTINUED)
 AS OF AND FOR THE FISCAL YEAR ENDED JUNE 30, 2022
 (UNAUDITED)**

Employer	Commonwealth Pension Support Provided	Employer Allocation Percentage
0960-KINGSTON PUBLIC SCHOOLS.....	\$ 1,740,552	0.082702%
0965-LABBB COLLABORATIVE.....	2,025,059	0.096220%
0985-LAWRENCE PUBLIC SCHOOLS.....	26,953,613	1.280698%
0990-LEE PUBLIC SCHOOLS.....	1,783,077	0.084723%
0995-LEICESTER PUBLIC SCHOOLS.....	2,762,377	0.131254%
1000-LENOX PUBLIC SCHOOLS.....	2,125,003	0.100969%
1005-LEOMINSTER PUBLIC SCHOOLS.....	11,086,485	0.526773%
1010-LEVERETT PUBLIC SCHOOLS.....	359,416	0.017078%
1015-LEXINGTON PUBLIC SCHOOLS.....	21,054,424	1.000398%
1025-LINCOLN PUBLIC SCHOOLS.....	4,032,209	0.191590%
1030-LINCOLN-SUDBURY REGIONAL.....	4,700,647	0.223351%
1035-LITTLETON PUBLIC SCHOOLS.....	3,323,923	0.157936%
1040-LONGMEADOW PUBLIC SCHOOLS.....	6,435,568	0.305785%
1045-LOWELL PUBLIC SCHOOLS.....	30,982,683	1.472138%
1050-LOWER PIONEER COLLABORATIVE.....	1,000,046	0.047517%
1055-LUDLOW PUBLIC SCHOOLS.....	5,654,509	0.268673%
1060-LUNENBURG PUBLIC SCHOOLS.....	3,258,547	0.154829%
1065-LYNN PUBLIC SCHOOLS.....	32,735,278	1.555413%
1070-LYNNFIELD PUBLIC SCHOOLS.....	5,190,209	0.246612%
1075-MALDEN PUBLIC SCHOOLS.....	13,409,867	0.637168%
1082-MANCHESTER ESSEX REGIONAL SCHOOL.....	4,027,387	0.191361%
1085-MANSFIELD PUBLIC SCHOOLS.....	9,102,996	0.432528%
1090-MARBLEHEAD PUBLIC SCHOOLS.....	7,120,153	0.338313%
1095-MARION PUBLIC SCHOOLS.....	932,306	0.044298%
1100-MARTHA'S VINEYARD PUBLIC SCHOOLS.....	3,357,821	0.159546%
1105-MARSHFIELD PUBLIC SCHOOLS.....	9,170,304	0.435726%
1110-MARLBOROUGH PUBLIC SCHOOLS.....	11,241,354	0.534132%
1115-MASCONOMET REGIONAL SCHOOL.....	4,707,065	0.223656%
1120-MASHPEE PUBLIC SCHOOLS.....	3,855,525	0.183195%
1125-MATTAPOISETT PUBLIC SCHOOLS.....	1,105,548	0.052530%
1130-MAYNARD PUBLIC SCHOOLS.....	3,337,214	0.158567%
1135-MEDFIELD PUBLIC SCHOOLS.....	6,812,738	0.323706%
1140-MEDFORD PUBLIC SCHOOLS.....	11,683,989	0.555163%
1145-MEDWAY PUBLIC SCHOOLS.....	4,688,427	0.222770%
1150-MELROSE PUBLIC SCHOOLS.....	7,294,262	0.346586%
1155-MENDON-UPTON REGIONAL SCHOOL DISTRICT.....	4,188,507	0.199016%
1165-VALLEY COLLABORATIVE SCHOOL.....	1,753,797	0.083331%
1170-METHUEN PUBLIC SCHOOLS.....	13,825,040	0.656895%
1175-MIDDLEBOROUGH PUBLIC SCHOOLS.....	6,125,595	0.291057%
1180-MIDDLETON PUBLIC SCHOOLS.....	1,891,675	0.089883%
1185-MILFORD PUBLIC SCHOOLS.....	10,068,546	0.478406%
1190-MILLBURY PUBLIC SCHOOLS.....	3,639,137	0.172913%
1195-MILLIS PUBLIC SCHOOLS.....	3,132,689	0.148849%
1200-MILTON PUBLIC SCHOOLS.....	9,812,232	0.466227%
1205-MINUTEMAN REGIONAL VOCATIONAL SCHOOL.....	2,648,563	0.125846%
1210-MOHAWK TRAIL REGIONAL SCHOOL.....	2,068,500	0.098285%

**MASSACHUSETTS TEACHERS' RETIREMENT SYSTEM
 SUPPLEMENTAL SCHEDULE OF EMPLOYER ALLOCATIONS
 OF SPECIAL FUNDING AMOUNTS (CONTINUED)
 AS OF AND FOR THE FISCAL YEAR ENDED JUNE 30, 2022
 (UNAUDITED)**

Employer	Commonwealth Pension Support Provided	Employer Allocation Percentage
1220-MONSON PUBLIC SCHOOLS.....	\$ 1,887,126	0.089667%
1225-MONTACHUSETT REGIONAL VOCATIONAL SCHOOL.....	3,236,327	0.153774%
1230-MOUNT GREYLOCK REGIONAL SCHOOL.....	2,936,762	0.139540%
1235-NAHANT PUBLIC SCHOOLS.....	246,442	0.011710%
1240-NANTUCKET PUBLIC SCHOOLS.....	5,422,348	0.257642%
1245-NARRAGANSETT REGIONAL SCHOOL DISTRICT.....	2,528,485	0.120141%
1250-NASHOBA REGIONAL SCHOOL DISTRICT.....	7,904,193	0.375567%
1255-NASHOBA VALLEY TECHNICAL SCHOOL.....	2,030,874	0.096497%
1260-NATICK PUBLIC SCHOOLS.....	12,780,313	0.607255%
1265-NAUSET REGIONAL SCHOOL.....	4,573,082	0.217289%
1275-NEEDHAM PUBLIC SCHOOLS.....	15,333,541	0.728571%
1285-NEW BEDFORD PUBLIC SCHOOLS.....	27,346,113	1.299347%
1295-NEW SALEM-WENDELL REGIONAL SCHOOL.....	445,081	0.021148%
1305-NEWBURYPORT PUBLIC SCHOOLS.....	5,785,261	0.274886%
1310-NEWTON PUBLIC SCHOOLS.....	35,674,291	1.695060%
1315-NORFOLK PUBLIC SCHOOLS.....	2,414,629	0.114731%
1320-NORFOLK COUNTY AGRICULTURAL SCHOOL.....	1,646,876	0.078251%
1325-NORTH ADAMS PUBLIC SCHOOLS.....	2,865,194	0.136139%
1330-NORTH ANDOVER PUBLIC SCHOOLS.....	9,668,560	0.459400%
1335-NORTH ATTLEBORO PUBLIC SCHOOLS.....	7,961,566	0.378293%
1340-NORTH BROOKFIELD PUBLIC SCHOOLS.....	1,025,961	0.048748%
1345-NORTH MIDDLESEX REGIONAL SCHOOL.....	6,352,275	0.301828%
1350-NORTH READING PUBLIC SCHOOLS.....	6,112,066	0.290414%
1355-NORTH RIVER COLLABORATIVE SCHOOL.....	992,638	0.047165%
1365-NORTHAMPTON PUBLIC SCHOOLS.....	7,373,151	0.350334%
1370-NORTHBOROUGH PUBLIC SCHOOLS.....	4,370,291	0.207654%
1375-NORTHBORO-SOUTHBORO REGIONAL SCHOOL.....	3,699,682	0.175790%
1380-NORTHBRIDGE PUBLIC SCHOOLS.....	4,258,259	0.202331%
1385-NORTHEAST METRO REGIONAL VOCATIONAL SCHOOL.....	3,599,668	0.171038%
1390-NORTHERN BERKSHIRE REGIONAL VOCATIONAL SCHOOL.....	1,427,269	0.067816%
1400-NORTON PUBLIC SCHOOLS.....	5,740,872	0.272777%
1405-NORWELL PUBLIC SCHOOLS.....	5,460,508	0.259455%
1410-NORWOOD PUBLIC SCHOOLS.....	9,154,262	0.434964%
1415-OAK BLUFFS PUBLIC SCHOOLS.....	1,322,244	0.062826%
1425-OLD COLONY VOCATIONAL SCHOOL.....	1,628,461	0.077376%
1430-OLD ROCHESTER REGIONAL SCHOOL.....	2,664,679	0.126612%
1435-ORANGE PUBLIC SCHOOLS.....	916,421	0.043544%
1440-ORLEANS PUBLIC SCHOOLS.....	672,813	0.031969%
1445-FARMINGTON RIVER PUBLIC SCHOOLS.....	342,454	0.016272%
1450-OXFORD PUBLIC SCHOOLS.....	3,390,414	0.161095%
1455-PALMER PUBLIC SCHOOLS.....	2,598,670	0.123475%
1460-PATHFINDER REGIONAL VOCATIONAL SCHOOL.....	1,850,111	0.087908%
1470-PEABODY PUBLIC SCHOOLS.....	12,631,394	0.600179%
1475-PELHAM PUBLIC SCHOOLS.....	279,278	0.013270%
1480-PEMBROKE PUBLIC SCHOOLS.....	5,399,278	0.256546%

**MASSACHUSETTS TEACHERS' RETIREMENT SYSTEM
SUPPLEMENTAL SCHEDULE OF EMPLOYER ALLOCATIONS
OF SPECIAL FUNDING AMOUNTS (CONTINUED)
AS OF AND FOR THE FISCAL YEAR ENDED JUNE 30, 2022
(UNAUDITED)**

Employer	Commonwealth Pension Support Provided	Employer Allocation Percentage
1485-PENTUCKET REGIONAL SCHOOL.....	\$ 4,960,440	0.235695%
1490-PETERSHAM CENTER SCHOOL.....	196,411	0.009332%
1495-PILGRIM AREA COLLABORATIVE.....	828,985	0.039389%
1500-PIONEER VALLEY REGIONAL.....	1,447,018	0.068755%
1505-PITTSFIELD PUBLIC SCHOOLS.....	11,881,776	0.564561%
1515-PLAINVILLE PUBLIC SCHOOLS.....	1,351,706	0.064226%
1520-PLYMOUTH PUBLIC SCHOOLS.....	17,181,184	0.816362%
1530-PLYMPTON PUBLIC SCHOOLS.....	468,198	0.022246%
1540-ACCEPT EDUCATIONAL COLLABORATIVE.....	586,104	0.027849%
1550-PROVINCETOWN PUBLIC SCHOOLS.....	735,474	0.034946%
1556-QUABBIN REGIONAL SCHOOL.....	4,388,281	0.208509%
1560-QUABOAG REGIONAL SCHOOL DISTRICT.....	2,339,485	0.111160%
1565-QUINCY PUBLIC SCHOOLS.....	20,788,186	0.987748%
1566-QUINCY COLLEGE.....	917,347	0.043588%
1570-RALPH C. MAHAR REGIONAL SCHOOL.....	1,412,760	0.067127%
1575-RANDOLPH PUBLIC SCHOOLS.....	7,413,145	0.352235%
1585-READING PUBLIC SCHOOLS.....	9,137,467	0.434166%
1590-READS COLLABORATIVE.....	1,211,310	0.057555%
1605-REVERE PUBLIC SCHOOLS.....	18,257,522	0.867504%
1610-RICHMOND PUBLIC SCHOOLS.....	501,578	0.023832%
1615-ROCHESTER PUBLIC SCHOOLS.....	1,089,101	0.051748%
1620-ROCKLAND PUBLIC SCHOOLS.....	5,006,605	0.237888%
1625-ROCKPORT PUBLIC SCHOOLS.....	2,408,388	0.114434%
1630-ROWE PUBLIC SCHOOLS.....	186,206	0.008848%
1645-SALEM PUBLIC SCHOOLS.....	11,000,065	0.522667%
1660-SANDWICH PUBLIC SCHOOLS.....	5,712,937	0.271450%
1665-SAUGUS PUBLIC SCHOOLS.....	5,222,880	0.248164%
1670-SAVOY PUBLIC SCHOOLS.....	101,179	0.004808%
1675-SCITUATE PUBLIC SCHOOLS.....	7,487,053	0.355746%
1680-SEEKONK PUBLIC SCHOOLS.....	4,954,326	0.235404%
1685-SEEM COLLABORATIVE.....	2,436,217	0.115757%
1690-SHARON PUBLIC SCHOOLS.....	8,527,047	0.405162%
1695-SHAWSHEEN VALLEY VOC.....	4,337,937	0.206117%
1700-SHERBORN PUBLIC SCHOOLS.....	1,103,608	0.052438%
1710-SHORE COLLABORATIVE.....	1,219,055	0.057923%
1715-SHREWSBURY PUBLIC SCHOOLS.....	12,696,766	0.603285%
1720-SHUTESBURY PUBLIC SCHOOLS.....	355,533	0.016893%
1725-SILVER LAKE REGIONAL SCHOOL DIST.....	4,184,778	0.198839%
1730-SOMERSET PUBLIC SCHOOLS.....	3,362,783	0.159782%
1735-SOMERVILLE PUBLIC SCHOOLS.....	15,192,158	0.721854%
1745-SOUTH HADLEY PUBLIC SCHOOLS.....	3,635,863	0.172758%
1750-SOUTH MIDDLESEX REGIONAL VOCATIONAL.....	2,578,503	0.122517%
1755-SOUTH SHORE REGIONAL SCHOOL DISTRICT.....	1,884,214	0.089528%
1760-SOUTH SHORE EDUCATIONAL COLLABORATIVE.....	2,877,753	0.136736%
1765-SOUTHERN WORCESTER COUNTY REGIONAL SCHOOL.....	3,062,729	0.145525%
1770-SOUTHAMPTON PUBLIC SCHOOLS.....	903,492	0.042929%

**MASSACHUSETTS TEACHERS' RETIREMENT SYSTEM
 SUPPLEMENTAL SCHEDULE OF EMPLOYER ALLOCATIONS
 OF SPECIAL FUNDING AMOUNTS (CONTINUED)
 AS OF AND FOR THE FISCAL YEAR ENDED JUNE 30, 2022
 (UNAUDITED)**

Employer	Commonwealth Pension Support Provided	Employer Allocation Percentage
1775-SOUTHBOROUGH PUBLIC SCHOOLS.....	\$ 3,560,489	0.169176%
1780-SOUTHBRIDGE PUBLIC SCHOOLS.....	4,366,051	0.207452%
1785-SOUTHEASTERN REGIONAL VOCATIONAL SCHOOL DISTRICT.....	3,713,787	0.176460%
1790-SOUTHEASTERN MASS. COLLABORATIVE.....	559,149	0.026568%
1795-SOUTHERN BERKSHIRE REGIONAL.....	1,896,174	0.090096%
1800-SOUTHERN WORCESTER CO. ED. COLLABORATIVE.....	746,292	0.035460%
1805-SOUTHWICK-TOLLAND REGIONAL.....	3,211,233	0.152581%
1810-NORTH SHORE EDUCATION CONSORTIUM.....	2,877,234	0.136711%
1820-SPENCER-EAST BROOKFIELD PUBLIC SCHOOLS.....	2,708,531	0.128696%
1825-SPRINGFIELD PUBLIC SCHOOLS.....	54,084,490	2.569818%
1835-STONEHAM PUBLIC SCHOOLS.....	5,100,089	0.242330%
1840-STOUGHTON PUBLIC SCHOOLS.....	8,853,030	0.420651%
1850-STURBRIDGE PUBLIC SCHOOL.....	1,903,704	0.090454%
1855-SUDBURY PUBLIC SCHOOLS.....	7,257,598	0.344844%
1860-SUNDERLAND PUBLIC SCHOOLS.....	484,522	0.023022%
1865-SUTTON PUBLIC SCHOOLS.....	2,942,655	0.139820%
1870-SWAMPSCOTT PUBLIC SCHOOLS.....	5,388,928	0.256054%
1875-SWANSEA PUBLIC SCHOOLS.....	4,025,233	0.191258%
1880-TANTASQUA REGIONAL HIGH SCHOOL.....	3,779,589	0.179587%
1885-TAUNTON PUBLIC SCHOOLS.....	16,305,735	0.774765%
1890-TECH. COLLAB. THE ED. COOPERATIVE.....	788,096	0.037446%
1895-TEWKSBURY PUBLIC SCHOOLS.....	7,135,174	0.339027%
1900-TISBURY PUBLIC SCHOOLS.....	1,134,679	0.053914%
1905-TOPSFIELD PUBLIC SCHOOLS.....	1,591,666	0.075628%
1910-TRI-COUNTY REGIONAL VOCATIONAL SCHOOL.....	2,858,682	0.135830%
1915-TRITON PUBLIC SCHOOLS.....	5,545,881	0.263512%
1920-TRURO PUBLIC SCHOOLS.....	500,891	0.023800%
1925-TYNGSBOROUGH PUBLIC SCHOOLS.....	3,737,212	0.177573%
1935-UPPER CAPE COD VOC. SCHOOL.....	2,100,867	0.099822%
1936-UP ISLAND REGIONAL SCHOOL.....	1,343,906	0.063856%
1940-UXBRIDGE PUBLIC SCHOOLS.....	3,886,299	0.184657%
1950-WACHUSETT REGIONAL SCHOOL DISTRICT.....	13,000,879	0.617735%
1955-WAKEFIELD PUBLIC SCHOOLS.....	7,959,874	0.378212%
1960-WALES PUBLIC SCHOOLS.....	213,673	0.010153%
1965-WALPOLE PUBLIC SCHOOLS.....	9,069,218	0.430923%
1970-WALTHAM PUBLIC SCHOOLS.....	16,498,611	0.783929%
1975-WARE PUBLIC SCHOOLS.....	2,075,668	0.098625%
1980-WAREHAM PUBLIC SCHOOLS.....	5,182,394	0.246241%
2000-WATERTOWN PUBLIC SCHOOLS.....	8,392,940	0.398790%
2005-WAYLAND PUBLIC SCHOOLS.....	8,244,000	0.391713%
2010-WEBSTER PUBLIC SCHOOLS.....	3,782,051	0.179704%
2015-WELLESLEY PUBLIC SCHOOLS.....	15,182,248	0.721383%
2020-WELLFLEET PUBLIC SCHOOLS.....	365,226	0.017354%
2025-WEST BOYLSTON PUBLIC SCHOOLS.....	2,204,083	0.104727%
2030-WEST BRIDGEWATER PUBLIC SCHOOLS.....	2,606,931	0.123868%
2045-WEST SPRINGFIELD PUBLIC SCHOOLS.....	8,522,231	0.404933%

**MASSACHUSETTS TEACHERS' RETIREMENT SYSTEM
 SUPPLEMENTAL SCHEDULE OF EMPLOYER ALLOCATIONS
 OF SPECIAL FUNDING AMOUNTS (CONTINUED)
 AS OF AND FOR THE FISCAL YEAR ENDED JUNE 30, 2022
 (UNAUDITED)**

Employer	Commonwealth Pension Support Provided	Employer Allocation Percentage
2055-WESTBOROUGH PUBLIC SCHOOLS.....	\$ 9,966,189	0.473542%
2060-WESTFIELD PUBLIC SCHOOLS.....	10,111,496	0.480446%
2065-WESTFORD PUBLIC SCHOOLS.....	11,023,342	0.523773%
2070-WESTHAMPTON PUBLIC SCHOOLS.....	323,336	0.015363%
2080-WESTON PUBLIC SCHOOLS.....	6,843,042	0.325146%
2085-WESTPORT PUBLIC SCHOOLS.....	3,261,147	0.154953%
2090-WESTWOOD PUBLIC SCHOOLS.....	8,378,901	0.398122%
2095-WEYMOUTH PUBLIC SCHOOLS.....	13,272,828	0.630657%
2100-WHATELY PUBLIC SCHOOLS.....	314,618	0.014949%
2110-WHITMAN-HANSON REGIONAL.....	7,461,603	0.354537%
2120-WILLIAMSBURG PUBLIC SCHOOLS.....	353,146	0.016780%
2130-WILMINGTON PUBLIC SCHOOLS.....	7,652,658	0.363615%
2135-WINCENDON PUBLIC SCHOOLS.....	2,370,056	0.112613%
2140-WINCHESTER PUBLIC SCHOOLS.....	11,104,742	0.527640%
2145-WINTHROP PUBLIC SCHOOLS.....	4,095,727	0.194608%
2150-WHITTIER VOCATIONAL SCHOOL DISTRICT.....	3,571,567	0.169703%
2155-WOBURN PUBLIC SCHOOLS.....	11,205,357	0.532421%
2160-WORCESTER PUBLIC SCHOOLS.....	57,748,592	2.743917%
2162-MASS ACADEMY OF MATH AND SCIENCE.....	208,878	0.009925%
2164-WORTHINGTON PUBLIC SCHOOLS.....	132,821	0.006311%
2165-WRENTHAM PUBLIC SCHOOLS.....	2,214,701	0.105231%
2200-AYER SHIRLEY REGIONAL.....	3,598,635	0.170989%
2205-SOMERSET-BERKLEY REGIONAL.....	2,081,498	0.098902%
2210-MONOMOY REGIONAL SCHOOL DISTRICT.....	4,709,397	0.223766%
2215-ESSEX NORTH SHORE AGRICULTURAL & TECHNICAL.....	4,177,922	0.198513%
3000-GREATER COMMONWEALTH VIRTUAL SCHOOL.....	1,478,220	0.070237%
3005-TECCA VIRTUAL SCHOOL.....	2,568,127	0.122024%
4005-COMMUNITY DAY CHARTER SCHOOL.....	924,756	0.043940%
4010-CITY ON A HILL CHARTER SCHOOL.....	641,741	0.030492%
4015-ATLANTIS CHARTER SCHOOL.....	2,111,559	0.100330%
4020-CAPE COD LIGHTHOUSE CHARTER SCHOOL.....	631,614	0.030011%
4025-HILLTOWN COOPERATIVE CHARTER SCHOOL.....	457,660	0.021746%
4030-BENJAMIN FRANKLIN CLASSICAL CHARTER SCHOOL.....	1,455,051	0.069137%
4035-SOUTH SHORE CHARTER SCHOOL.....	2,508,595	0.119196%
4040-LOWELL MIDDLESEX ACADEMY CHARTER SCHOOL.....	209,896	0.009973%
4055-BOSTON RENAISSANCE CHARTER SCHOOL.....	2,062,926	0.098020%
4060-MARBLEHEAD COMMUNITY CHARTER SCHOOL.....	459,149	0.021816%
4065-FRANCIS W. PARKER CHARTER SCHOOL.....	822,732	0.039092%
4070-NEIGHBORHOOD HOUSE CHARTER SCHOOL.....	2,223,011	0.105626%
4075-ACADEMY OF THE PACIFIC RIM CHARTER SCHOOL.....	1,507,161	0.071613%
4080-BENJAMIN BANNEKER CHARTER SCHOOL.....	653,526	0.031052%
4090-LAWRENCE FAMILY DEVELOPMENT CHARTER SCHOOL.....	1,359,794	0.064610%
4095-MARTHA'S VINEYARD CHARTER SCHOOL.....	557,480	0.026489%
4105-SABIS INTERNATIONAL CHARTER SCHOOL.....	2,212,260	0.105115%
4115-PIONEER VALLEY PERFORMING ARTS CHARTER.....	870,306	0.041352%
4120-PROSPECT HILL ACADEMY CHARTER SCHOOL.....	3,169,918	0.150618%

**MASSACHUSETTS TEACHERS' RETIREMENT SYSTEM
 SUPPLEMENTAL SCHEDULE OF EMPLOYER ALLOCATIONS
 OF SPECIAL FUNDING AMOUNTS (CONTINUED)
 AS OF AND FOR THE FISCAL YEAR ENDED JUNE 30, 2022
 (UNAUDITED)**

Employer	Commonwealth Pension Support Provided	Employer Allocation Percentage
4125-LEARNING FIRST CHARTER PUBLIC SCHOOL.....	\$ 1,181,501	0.056139%
4140-ABBY KELLEY FOSTER REGIONAL CHARTER.....	2,714,430	0.128976%
4145-MYSTIC VALLEY REGIONAL CHARTER SCHOOL.....	2,128,429	0.101132%
4150-FOXBORO REGIONAL CHARTER SCHOOL.....	2,810,370	0.133534%
4165-RISING TIDE CHARTER.....	1,375,261	0.065345%
4170-BOSTON COLLEGIATE CHARTER SCHOOL.....	2,042,590	0.097053%
4175-STURGIS CHARTER SCHOOL.....	2,319,811	0.110226%
4180-RIVER VALLEY CHARTER SCHOOL.....	545,703	0.025929%
4200-CONSERVATORY LAB CHARTER SCHOOL.....	1,002,078	0.047614%
4205-ROXBURY PREPARATORY CHARTER.....	3,371,511	0.160197%
4210-MATCH CHARTER PUBLIC HIGH SCHOOL.....	3,461,376	0.164467%
4225-CODMAN ACADEMY CHARTER SCHOOL.....	1,147,481	0.054522%
4235-CHRISTA MCAULIFFE REGIONAL CHARTER PUBLIC SCHOOL.....	876,847	0.041663%
4240-SIZER SCHOOL: NORTH CENTRAL CHARTER ESSENTIAL SCHOOL.....	710,509	0.033760%
4245-INNOVATION ACADEMY CHARTER SCHOOL.....	1,613,971	0.076688%
4250-EDWARD BROOKE CHARTER SCHOOL.....	5,364,933	0.254914%
4260-FOUR RIVER CHARTER PUBLIC SCHOOL.....	506,675	0.024075%
4265-BOSTON PREPARATORY CHARTER SCHOOL.....	1,799,603	0.085508%
4270-EXCEL ACADEMY CHARTER SCHOOL.....	3,677,566	0.174739%
4275-SALEM ACADEMY CHARTER SCHOOL.....	1,137,717	0.054059%
4285-BERKSHIRE ARTS AND TECHNOLOGY CHARTER.....	829,174	0.039398%
4290-HELEN Y. DAVIS LEADERSHIP ACADEMY CHARTER PUBLIC.....	374,568	0.017798%
4295-HILLVIEW MONTESSORI CHARTER SCHOOL.....	495,627	0.023550%
4300-KIPP ACADEMY LYNN CHARTER SCHOOL.....	3,867,963	0.183786%
4305-ADVANCED MATH & SCIENCE ACADEMY CHARTER SCHOOL.....	1,846,546	0.087738%
4310-COMMUNITY CHARTER SCHOOL OF CAMBRIDGE.....	868,113	0.041248%
4315-HOLYOKE COMMUNITY CHARTER SCHOOL.....	907,365	0.043113%
4320-MARTIN LUTHER KING JR. CHARTER SCHOOL.....	788,871	0.037483%
4325-PHOENIX CHARTER ACADEMY.....	518,514	0.024637%
4330-PIONEER VALLEY CHINESE IMMERSION CHARTER.....	1,360,399	0.064639%
4420-LOWELL COMMUNITY CHARTER SCHOOL.....	1,450,320	0.068912%
4425-PIONEER CHARTER SCHOOL OF SCIENCE.....	1,529,297	0.072664%
4430-GLOBAL LEARNING CHARTER PUBLIC SCHOOL.....	907,476	0.043119%
4440-HAMPDEN CHARTER SCHOOL OF SCIENCE - EAST.....	1,067,092	0.050703%
4510-ALMA DEL MAR CHARTER SCHOOL.....	1,585,830	0.075351%
4515-BRIDGE BOSTON CHARTER SCHOOL.....	1,103,809	0.052447%
4550-VERITAS PREPARATORY CHARTER SCHOOL.....	1,113,368	0.052902%
4565-CDCPS-GATEWAY.....	717,926	0.034112%
4570-CDCPS-R KINGMAN WEBSTER.....	661,490	0.031431%
4575-KIPP ACADEMY BOSTON CHARTER SCHOOL.....	1,349,002	0.064098%
4580-PAULO FREIRE SOCIAL JUSTICE CHARTER SCHOOL.....	322,970	0.015346%
4595-PIONEER CHARTER SCHOOL OF SCIENCE II.....	676,961	0.032166%
4600-THE LOWELL COLLEGIATE CHARTER SCHOOL.....	975,751	0.046363%
4605-BAY STATE ACADEMY CHARTER PUBLIC SCHOOL.....	828,339	0.039358%

**MASSACHUSETTS TEACHERS' RETIREMENT SYSTEM
 SUPPLEMENTAL SCHEDULE OF EMPLOYER ALLOCATIONS
 OF SPECIAL FUNDING AMOUNTS (CONTINUED)
 AS OF AND FOR THE FISCAL YEAR ENDED JUNE 30, 2022
 (UNAUDITED)**

Employer	Commonwealth Pension Support Provided	Employer Allocation Percentage
4610-PHOENIX CHARTER ACADEMY SPRINGFIELD.....	\$ 321,495	0.015276%
4615-ARGOSY COLLEGIATE CHARTER SCHOOL.....	1,238,797	0.058861%
4620-SPRINGFIELD PREPARATORY CHARTER SCHOOL.....	892,573	0.042411%
4625-NEW HEIGHTS CHARTER OF BROCKTON.....	1,691,927	0.080392%
4630-LIBERTAS ACADEMY CHARTER SCHOOL.....	1,011,978	0.048084%
4635-OLD STURBRIDGE ACADEMY CHARTER PUPIC SCHOOL.....	480,529	0.022832%
4640-MAP ACADEMY CHARTER SCHOOL.....	523,321	0.024866%
4645-HAMPDEN CHARTER SCHOOL OF SCIENCE - WEST.....	588,700	0.027972%
4650-PHOENIX ACADEMY PUBLIC CHARTER HS LAWERENCE.....	299,747	0.014242%
Totals.....	\$ 2,104,604,000	100.000000%

(Concluded)

See accompanying notes to supplemental schedules.

**MASSACHUSETTS TEACHERS' RETIREMENT SYSTEM
SUPPLEMENTAL SCHEDULE OF SPECIAL FUNDING AMOUNTS BY EMPLOYER
AS OF AND FOR THE FISCAL YEAR ENDED JUNE 30, 2022
(UNAUDITED)**

Employer	Commonwealth's Proportionate Share of the Net Pension Liability Associated with the District	Employer Pension Expense and Revenue from Commonwealth Support
0100-ABINGTON PUBLIC SCHOOLS.....	\$ 51,598,392	\$ 4,244,471
0110-ACTON-BOXBOROUGH REGIONAL SCHOOL.....	155,945,609	12,828,048
0115-ACUSHNET PUBLIC SCHOOLS.....	21,822,126	1,795,083
0120-HOOSAC VALLEY REGIONAL SCHOOL DISTRICT SCHOOLS.....	26,980,087	2,219,375
0125-AGAWAM PUBLIC SCHOOLS.....	103,621,755	8,523,900
0130-AMESBURY PUBLIC SCHOOLS.....	57,395,973	4,721,379
0135-AMHERST PUBLIC SCHOOLS.....	40,762,201	3,353,089
0140-AMHERST-PELHAM REGIONAL SCHOOL DISTRICT.....	38,813,181	3,192,763
0145-ANDOVER PUBLIC SCHOOLS.....	195,060,100	16,045,596
0150-ARLINGTON PUBLIC SCHOOLS.....	166,591,155	13,703,748
0160-ASHBURNHAM-WESTMINSTER REGIONAL SCHOOL.....	50,899,310	4,186,965
0170-ASHLAND PUBLIC SCHOOLS.....	76,205,503	6,268,646
0175-ASSABET VALLEY REGIONAL VOCATIONAL SCHOOL.....	40,980,189	3,371,020
0180-ASSABET VALLEY COLLABORATIVE SCHOOL.....	10,383,697	854,160
0185-ATHOL-ROYALSTON REGIONAL SCHOOL.....	36,310,640	2,986,904
0190-ATTLEBORO PUBLIC SCHOOLS.....	141,091,323	11,606,138
0195-AUBURN PUBLIC SCHOOLS.....	61,793,837	5,083,146
0200-AVON PUBLIC SCHOOLS.....	21,694,012	1,784,544
0210-BARNSTABLE PUBLIC SCHOOLS.....	147,473,271	12,131,115
0220-BEDFORD PUBLIC SCHOOLS.....	96,299,952	7,921,611
0225-BELCHERTOWN PUBLIC SCHOOLS.....	53,290,380	4,383,654
0230-BELLINGHAM PUBLIC SCHOOLS.....	58,649,772	4,824,516
0235-BELMONT PUBLIC SCHOOLS.....	113,637,225	9,347,771
0240-BERKLEY PUBLIC SCHOOLS.....	20,717,516	1,704,218
0245-BERKSHIRE HILLS REGIONAL SCHOOL DISTRICT.....	38,824,491	3,193,693
0255-BERLIN-BOYLSTON REGIONAL SCHOOL.....	30,506,919	2,509,492
0265-BEVERLY PUBLIC SCHOOLS.....	119,789,541	9,853,858
0270-BICOUNTY COLLABORATIVE.....	18,136,641	1,491,916
0275-BILLERICA PUBLIC SCHOOLS.....	147,896,375	12,165,920
0280-BLACKSTONE-MILLVILLE REGIONAL SCHOOL.....	38,095,722	3,133,745
0285-BLACKSTONE VALLEY REGIONAL VOCATIONAL SCHOOL.....	38,272,341	3,148,273
0300-BLUE HILLS REGIONAL TECH.....	31,352,418	2,579,042
0315-BOURNE PUBLIC SCHOOLS.....	54,297,535	4,466,502
0325-BOXFORD PUBLIC SCHOOLS.....	23,571,339	1,938,973
0335-BRAINTREE PUBLIC SCHOOLS.....	159,600,573	13,128,704
0340-BREWSTER PUBLIC SCHOOLS.....	13,387,147	1,101,223
0350-BRIDGewater-RAYNHAM REGIONAL SCHOOL.....	123,486,154	10,157,941
0355-BRIMFIELD PUBLIC SCHOOLS.....	8,584,249	706,138
0360-BRISTOL COUNTY AGRICULTURAL SCHOOL.....	12,229,144	1,005,966

**MASSACHUSETTS TEACHERS' RETIREMENT SYSTEM
 SUPPLEMENTAL SCHEDULE OF SPECIAL FUNDING AMOUNTS BY EMPLOYER
 AS OF AND FOR THE FISCAL YEAR ENDED JUNE 30, 2022
 (UNAUDITED)**

Employer	Commonwealth's Proportionate Share of the Net Pension Liability Associated with the District	Employer Pension Expense and Revenue from Commonwealth Support
0365-BRISTOL-PLYMOUTH REGIONAL SCHOOL.....	\$ 40,948,349	\$ 3,368,401
0370-BROCKTON PUBLIC SCHOOLS.....	439,217,294	36,129,908
0375-BROOKFIELD PUBLIC SCHOOLS.....	6,545,312	538,416
0380-BROOKLINE PUBLIC SCHOOLS.....	284,191,407	23,377,516
0390-BURLINGTON PUBLIC SCHOOLS.....	125,253,910	10,303,356
0395-CAMBRIDGE PUBLIC SCHOOLS.....	331,759,495	27,290,455
0400-CANTON PUBLIC SCHOOLS.....	90,986,654	7,484,540
0410-CAPE COD REGIONAL SCHOOL DISTRICT.....	22,560,121	1,855,790
0415-CAPE COD COLLABORATIVE.....	8,903,877	732,431
0420-CAPS COLLABORATIVE.....	9,944,266	818,013
0425-CARLISLE PUBLIC SCHOOLS.....	25,003,075	2,056,747
0430-CARVER PUBLIC SCHOOLS.....	41,915,195	3,447,934
0435-CASE COLLABORATIVE.....	10,889,971	895,806
0440-CENTRAL BERKSHIRE REGIONAL.....	39,426,534	3,243,217
0445-CENTRAL MASSACHUSETTS SPECIAL EDUCATION COLLABORATIVE...	23,082,656	1,898,774
0460-CHELMSFORD PUBLIC SCHOOLS.....	125,640,808	10,335,182
0465-CHELSEA PUBLIC SCHOOLS.....	162,115,843	13,335,610
0470-CHESTERFIELD-GOSHEN REGIONAL.....	4,064,538	334,348
0475-CHICOPEE PUBLIC SCHOOLS.....	181,722,275	14,948,430
0485-CLARKSBURG PUBLIC SCHOOLS.....	5,553,712	456,847
0490-CLINTON PUBLIC SCHOOLS.....	48,430,989	3,983,921
0495-COHASSET PUBLIC SCHOOLS.....	48,710,811	4,006,939
0500-CONCORD PUBLIC SCHOOLS.....	82,157,442	6,758,251
0505-CONCORD-CARLISLE REGIONAL SCHOOL.....	51,724,265	4,254,825
0510-CONWAY PUBLIC SCHOOLS.....	4,522,294	372,003
0515-SOUTH COAST ED. COLLABORATIVE (COOPC).....	23,430,129	1,927,357
0520-DANVERS PUBLIC SCHOOLS.....	101,087,571	8,315,439
0525-DARTMOUTH PUBLIC SCHOOLS.....	99,373,448	8,174,436
0530-DEDHAM PUBLIC SCHOOLS.....	101,891,524	8,381,572
0540-DEERFIELD PUBLIC SCHOOLS.....	8,889,209	731,224
0545-DENNIS-YARMOUTH REGIONAL SCHOOLS.....	102,431,674	8,426,005
0555-DIGHTON-REHOBOTH REGIONAL SCHOOL.....	71,143,132	5,852,217
0560-DOUGLAS PUBLIC SCHOOLS.....	29,556,742	2,431,330
0565-DOVER PUBLIC SCHOOLS.....	14,915,667	1,226,959
0570-DOVER-SHERBORN REGIONAL SCHOOL.....	47,337,229	3,893,949
0575-DRACUT PUBLIC SCHOOLS.....	67,994,408	5,593,203
0580-DUDLEY-CHARLTON REGIONAL SCHOOLS.....	82,914,565	6,820,532
0585-DUXBURY PUBLIC SCHOOLS.....	79,971,251	6,578,416
0590-EAST BRIDGEWATER PUBLIC SCHOOLS.....	50,677,555	4,168,723
0600-EAST LONGMEADOW PUBLIC SCHOOLS.....	67,016,213	5,512,737
0605-EASTHAM PUBLIC SCHOOLS.....	7,409,440	609,499

**MASSACHUSETTS TEACHERS' RETIREMENT SYSTEM
 SUPPLEMENTAL SCHEDULE OF SPECIAL FUNDING
 AMOUNTS BY EMPLOYER (CONTINUED)
 AS OF AND FOR THE FISCAL YEAR ENDED JUNE 30, 2022
 (UNAUDITED)**

Employer	Commonwealth's Proportionate Share of the Net Pension Liability Associated with the District	Employer Pension Expense and Revenue from Commonwealth Support
0610-EASTHAMPTON PUBLIC SCHOOLS.....	\$ 35,627,218	\$ 2,930,686
0615-EASTON PUBLIC SCHOOLS.....	88,146,475	7,250,908
0620-EDGARTOWN PUBLIC SCHOOLS.....	13,965,949	1,148,836
0625-ERVING PUBLIC SCHOOLS.....	5,463,083	449,392
0640-EVERETT PUBLIC SCHOOLS.....	186,627,469	15,351,930
0645-FAIRHAVEN PUBLIC SCHOOLS.....	46,983,051	3,864,814
0650-FALL RIVER PUBLIC SCHOOLS.....	257,291,366	21,164,725
0655-FALMOUTH PUBLIC SCHOOLS.....	105,627,758	8,688,914
0660-FITCHBURG PUBLIC SCHOOLS.....	129,633,229	10,663,598
0665-KEYSTONE EDUCATIONAL COLLABORATIVE.....	14,299,941	1,176,310
0670-FLORIDA PUBLIC SCHOOLS.....	2,097,469	172,537
0675-FOXBOROUGH PUBLIC SCHOOLS.....	78,058,476	6,421,071
0680-FRAMINGHAM PUBLIC SCHOOLS.....	280,662,432	23,087,223
0685-FRANKLIN PUBLIC SCHOOLS.....	139,609,809	11,484,269
0690-FRANKLIN COUNTY REGIONAL SCHOOL DISTRICT.....	18,950,276	1,558,845
0700-FREETOWN-LAKEVILLE REGIONAL SCHOOLS.....	60,193,544	4,951,506
0705-FRONTIER REGIONAL SCHOOL DISTRICT.....	17,701,299	1,456,105
0710-GARDNER PUBLIC SCHOOLS.....	54,046,866	4,445,882
0715-GATEWAY REGIONAL SCHOOL.....	23,781,784	1,956,284
0725-GEORGETOWN PUBLIC SCHOOLS.....	35,919,048	2,954,692
0730-GILL-MONTAGUE REGIONAL.....	27,449,639	2,258,001
0735-GLOUCESTER PUBLIC SCHOOLS.....	85,158,358	7,005,106
0745-GOSNOLD PUBLIC SCHOOLS.....	141,534	11,643
0750-GRAFTON PUBLIC SCHOOLS.....	78,338,512	6,444,107
0755-GRANBY PUBLIC SCHOOLS.....	18,768,541	1,543,896
0765-DIMAN REGIONAL VOCATIONAL SCHOOL.....	49,401,626	4,063,766
0770-GREATER LAWRENCE REGIONAL.....	55,005,274	4,524,720
0775-CREST COLLABORATIVE.....	19,130,000	1,573,629
0780-GREATER LOWELL REGIONAL.....	72,542,297	5,967,312
0785-GREATER NEW BEDFORD REGIONAL VOCATIONAL SCHOOL.....	71,229,276	5,859,303
0795-GREENFIELD PUBLIC SCHOOLS.....	39,359,135	3,237,673
0800-GROTON-DUNSTABLE REGIONAL.....	66,180,395	5,443,983
0810-HADLEY PUBLIC SCHOOLS.....	14,527,692	1,195,044
0815-HALIFAX PUBLIC SCHOOLS.....	11,801,905	970,822
0820-HAMILTON-WENHAM REGIONAL.....	54,407,188	4,475,522
0830-HAMPDEN-WILBRAHAM REGIONAL.....	73,495,968	6,045,760
0835-HAMPSHIRE REGIONAL SCHOOL.....	22,235,773	1,829,109
0840-COLLABORATIVE FOR EDUCATIONAL SERVICES.....	47,912,891	3,941,303
0845-HANCOCK PUBLIC SCHOOLS.....	1,669,070	137,297
0850-HANOVER PUBLIC SCHOOLS.....	75,771,179	6,232,919

**MASSACHUSETTS TEACHERS' RETIREMENT SYSTEM
SUPPLEMENTAL SCHEDULE OF SPECIAL FUNDING
AMOUNTS BY EMPLOYER (CONTINUED)
AS OF AND FOR THE FISCAL YEAR ENDED JUNE 30, 2022
(UNAUDITED)**

Employer	Commonwealth's Proportionate Share of the Net Pension Liability Associated with the District	Employer Pension Expense and Revenue from Commonwealth Support
0865-HARVARD PUBLIC SCHOOLS.....	\$ 32,816,442	\$ 2,699,473
0875-HATFIELD PUBLIC SCHOOLS.....	12,895,757	1,060,802
0880-HAVERHILL PUBLIC SCHOOLS.....	202,358,604	16,645,970
0885-HAWLEMONT REGIONAL SCHOOL.....	3,562,088	293,016
0895-HINGHAM PUBLIC SCHOOLS.....	127,297,878	10,471,492
0900-HOLBROOK PUBLIC SCHOOLS.....	30,407,357	2,501,302
0910-HOLLAND PUBLIC SCHOOLS.....	5,762,850	474,051
0915-HOLLISTON PUBLIC SCHOOLS.....	80,821,179	6,648,331
0920-HOLYOKE PUBLIC SCHOOLS.....	140,830,729	11,584,702
0925-HOPEDALE PUBLIC SCHOOLS.....	29,145,988	2,397,542
0930-HOPKINTON PUBLIC SCHOOLS.....	129,885,680	10,684,364
0940-HUDSON PUBLIC SCHOOLS.....	84,676,559	6,965,473
0945-HULL PUBLIC SCHOOLS.....	33,084,027	2,721,484
0950-IPSWICH PUBLIC SCHOOLS.....	54,143,398	4,453,823
0955-KING PHILIP REGIONAL SCHOOL.....	49,567,642	4,077,422
0960-KINGSTON PUBLIC SCHOOLS.....	21,410,033	1,761,184
0965-LABBB COLLABORATIVE.....	24,909,681	2,049,064
0985-LAWRENCE PUBLIC SCHOOLS.....	331,548,764	27,273,121
0990-LEE PUBLIC SCHOOLS.....	21,933,128	1,804,214
0995-LEICESTER PUBLIC SCHOOLS.....	33,979,218	2,795,122
1000-LENOX PUBLIC SCHOOLS.....	26,139,063	2,150,193
1005-LEOMINSTER PUBLIC SCHOOLS.....	136,371,710	11,217,904
1010-LEVERETT PUBLIC SCHOOLS.....	4,421,073	363,676
1015-LEXINGTON PUBLIC SCHOOLS.....	258,984,513	21,304,003
1025-LINCOLN PUBLIC SCHOOLS.....	49,599,064	4,080,007
1030-LINCOLN-SUDBURY REGIONAL.....	57,821,325	4,756,368
1035-LITTLETON PUBLIC SCHOOLS.....	40,886,634	3,363,325
1040-LONGMEADOW PUBLIC SCHOOLS.....	79,162,106	6,511,856
1045-LOWELL PUBLIC SCHOOLS.....	381,109,214	31,349,951
1050-LOWER PIONEER COLLABORATIVE.....	12,301,279	1,011,900
1055-LUDLOW PUBLIC SCHOOLS.....	69,554,514	5,721,537
1060-LUNENBURG PUBLIC SCHOOLS.....	40,082,465	3,297,174
1065-LYNN PUBLIC SCHOOLS.....	402,667,392	33,123,322
1070-LYNNFIELD PUBLIC SCHOOLS.....	63,843,296	5,251,734
1075-MALDEN PUBLIC SCHOOLS.....	164,950,983	13,568,828
1082-MANCHESTER ESSEX REGIONAL SCHOOL.....	49,539,748	4,075,128
1085-MANSFIELD PUBLIC SCHOOLS.....	111,973,375	9,210,903
1090-MARBLEHEAD PUBLIC SCHOOLS.....	87,582,989	7,204,555
1095-MARION PUBLIC SCHOOLS.....	11,468,027	943,357
1100-MARTHA'S VINEYARD PUBLIC SCHOOLS.....	41,303,607	3,397,625
1105-MARSHFIELD PUBLIC SCHOOLS.....	112,801,317	9,279,009

**MASSACHUSETTS TEACHERS' RETIREMENT SYSTEM
SUPPLEMENTAL SCHEDULE OF SPECIAL FUNDING
AMOUNTS BY EMPLOYER (CONTINUED)
AS OF AND FOR THE FISCAL YEAR ENDED JUNE 30, 2022
(UNAUDITED)**

Employer	Commonwealth's Proportionate Share of the Net Pension Liability Associated with the District	Employer Pension Expense and Revenue from Commonwealth Support
1110-MARLBOROUGH PUBLIC SCHOOLS.....	\$ 138,276,714	\$ 11,374,609
1115-MASCONOMET REGIONAL SCHOOL.....	57,900,273	4,762,862
1120-MASHPEE PUBLIC SCHOOLS.....	47,425,719	3,901,228
1125-MATTAPOISETT PUBLIC SCHOOLS.....	13,599,029	1,118,653
1130-MAYNARD PUBLIC SCHOOLS.....	41,050,128	3,376,774
1135-MEDFIELD PUBLIC SCHOOLS.....	83,801,558	6,893,496
1140-MEDFORD PUBLIC SCHOOLS.....	143,721,435	11,822,490
1145-MEDWAY PUBLIC SCHOOLS.....	57,671,019	4,744,004
1150-MELROSE PUBLIC SCHOOLS.....	89,724,652	7,380,728
1155-MENDON-UPTON REGIONAL SCHOOL DISTRICT.....	51,521,643	4,238,158
1165-VALLEY COLLABORATIVE SCHOOL.....	21,572,960	1,774,586
1170-METHUEN PUBLIC SCHOOLS.....	170,057,904	13,988,922
1175-MIDDLEBOROUGH PUBLIC SCHOOLS.....	75,349,209	6,198,208
1180-MIDDLETON PUBLIC SCHOOLS.....	23,268,960	1,914,099
1185-MILFORD PUBLIC SCHOOLS.....	123,850,334	10,187,898
1190-MILLBURY PUBLIC SCHOOLS.....	44,763,989	3,682,275
1195-MILLIS PUBLIC SCHOOLS.....	38,534,324	3,169,824
1200-MILTON PUBLIC SCHOOLS.....	120,697,486	9,928,546
1205-MINUTEMAN REGIONAL VOCATIONAL SCHOOL.....	32,579,223	2,679,959
1210-MOHAWK TRAIL REGIONAL SCHOOL.....	25,444,027	2,093,019
1220-MONSON PUBLIC SCHOOLS.....	23,213,000	1,909,496
1225-MONTACHUSETT REGIONAL VOCATIONAL SCHOOL.....	39,809,136	3,274,690
1230-MOUNT GREYLOCK REGIONAL SCHOOL.....	36,124,284	2,971,575
1235-NAHANT PUBLIC SCHOOLS.....	3,031,411	249,363
1240-NANTUCKET PUBLIC SCHOOLS.....	66,698,769	5,486,625
1245-NARRAGANSETT REGIONAL SCHOOL DISTRICT.....	31,102,181	2,558,458
1250-NASHOBA REGIONAL SCHOOL DISTRICT.....	97,227,244	7,997,889
1255-NASHOBA VALLEY TECHNICAL SCHOOL.....	24,981,203	2,054,948
1260-NATICK PUBLIC SCHOOLS.....	157,207,009	12,931,810
1265-NAUSET REGIONAL SCHOOL.....	56,252,190	4,627,291
1275-NEEDHAM PUBLIC SCHOOLS.....	188,613,549	15,515,305
1285-NEW BEDFORD PUBLIC SCHOOLS.....	336,376,791	27,670,273
1295-NEW SALEM-WENDELL REGIONAL SCHOOL.....	5,474,817	450,357
1305-NEWBURYPORT PUBLIC SCHOOLS.....	71,162,856	5,853,839
1310-NEWTON PUBLIC SCHOOLS.....	438,819,350	36,097,173
1315-NORFOLK PUBLIC SCHOOLS.....	29,701,665	2,443,252
1320-NORFOLK COUNTY AGRICULTURAL SCHOOL.....	20,257,760	1,666,398
1325-NORTH ADAMS PUBLIC SCHOOLS.....	35,243,937	2,899,158
1330-NORTH ANDOVER PUBLIC SCHOOLS.....	118,930,213	9,783,170
1335-NORTH ATTLEBORO PUBLIC SCHOOLS.....	97,932,964	8,055,942

**MASSACHUSETTS TEACHERS' RETIREMENT SYSTEM
 SUPPLEMENTAL SCHEDULE OF SPECIAL FUNDING
 AMOUNTS BY EMPLOYER (CONTINUED)
 AS OF AND FOR THE FISCAL YEAR ENDED JUNE 30, 2022
 (UNAUDITED)**

Employer	Commonwealth's Proportionate Share of the Net Pension Liability Associated with the District	Employer Pension Expense and Revenue from Commonwealth Support
1340-NORTH BROOKFIELD PUBLIC SCHOOLS.....	\$ 12,620,051	\$ 1,038,122
1345-NORTH MIDDLESEX REGIONAL SCHOOL.....	78,137,542	6,427,575
1350-NORTH READING PUBLIC SCHOOLS.....	75,182,793	6,184,518
1355-NORTH RIVER COLLABORATIVE SCHOOL.....	12,210,155	1,004,404
1365-NORTHAMPTON PUBLIC SCHOOLS.....	90,695,042	7,460,552
1370-NORTHBOROUGH PUBLIC SCHOOLS.....	53,757,715	4,422,097
1375-NORTHBORO-SOUTHBORO REGIONAL SCHOOL.....	45,508,738	3,743,538
1380-NORTHBRIDGE PUBLIC SCHOOLS.....	52,379,644	4,308,737
1385-NORTHEAST METRO REGIONAL VOCATIONAL SCHOOL.....	44,278,500	3,642,339
1390-NORTHERN BERKSHIRE REGIONAL VOCATIONAL SCHOOL.....	17,556,429	1,444,188
1400-NORTON PUBLIC SCHOOLS.....	70,616,839	5,808,924
1405-NORWELL PUBLIC SCHOOLS.....	67,168,164	5,525,237
1410-NORWOOD PUBLIC SCHOOLS.....	112,603,981	9,262,776
1415-OAK BLUFFS PUBLIC SCHOOLS.....	16,264,552	1,337,918
1425-OLD COLONY VOCATIONAL SCHOOL.....	20,031,241	1,647,765
1430-OLD ROCHESTER REGIONAL SCHOOL.....	32,777,464	2,696,266
1435-ORANGE PUBLIC SCHOOLS.....	11,272,636	927,284
1440-ORLEANS PUBLIC SCHOOLS.....	8,276,080	680,788
1445-FARMINGTON RIVER PUBLIC SCHOOLS.....	4,212,433	346,514
1450-OXFORD PUBLIC SCHOOLS.....	41,704,520	3,430,604
1455-PALMER PUBLIC SCHOOLS.....	31,965,503	2,629,475
1460-PATHFINDER REGIONAL VOCATIONAL SCHOOL.....	22,757,696	1,872,043
1470-PEABODY PUBLIC SCHOOLS.....	155,375,201	12,781,126
1475-PELHAM PUBLIC SCHOOLS.....	3,435,323	282,589
1480-PEMBROKE PUBLIC SCHOOLS.....	66,414,985	5,463,280
1485-PENTUCKET REGIONAL SCHOOL.....	61,016,973	5,019,241
1490-PETERSHAM CENTER SCHOOL.....	2,415,993	198,739
1495-PILGRIM AREA COLLABORATIVE.....	10,197,107	838,812
1500-PIONEER VALLEY REGIONAL.....	17,799,357	1,464,171
1505-PITTSFIELD PUBLIC SCHOOLS.....	146,154,362	12,022,622
1515-PLAINVILLE PUBLIC SCHOOLS.....	16,626,951	1,367,729
1520-PLYMOUTH PUBLIC SCHOOLS.....	211,340,881	17,384,849
1530-PLYMPTON PUBLIC SCHOOLS.....	5,759,172	473,748
1540-ACCEPT EDUCATIONAL COLLABORATIVE.....	7,209,504	593,052
1550-PROVINCETOWN PUBLIC SCHOOLS.....	9,046,856	744,192
1556-QUABBIN REGIONAL SCHOOL.....	53,978,997	4,440,299
1560-QUABOAG REGIONAL SCHOOL DISTRICT.....	28,777,343	2,367,217
1565-QUINCY PUBLIC SCHOOLS.....	255,709,586	21,034,608
1566-QUINCY COLLEGE.....	11,284,027	928,221
1570-RALPH C. MAHAR REGIONAL SCHOOL.....	17,377,961	1,429,507
1575-RANDOLPH PUBLIC SCHOOLS.....	91,186,999	7,501,020

**MASSACHUSETTS TEACHERS' RETIREMENT SYSTEM
SUPPLEMENTAL SCHEDULE OF SPECIAL FUNDING
AMOUNTS BY EMPLOYER (CONTINUED)
AS OF AND FOR THE FISCAL YEAR ENDED JUNE 30, 2022
(UNAUDITED)**

Employer	Commonwealth's Proportionate Share of the Net Pension Liability Associated with the District	Employer Pension Expense and Revenue from Commonwealth Support
1585-READING PUBLIC SCHOOLS.....	\$ 112,397,400	\$ 9,245,783
1590-READS COLLABORATIVE.....	14,899,981	1,225,669
1605-REVERE PUBLIC SCHOOLS.....	224,580,612	18,473,947
1610-RICHMOND PUBLIC SCHOOLS.....	6,169,763	507,523
1615-ROCHESTER PUBLIC SCHOOLS.....	13,396,720	1,102,011
1620-ROCKLAND PUBLIC SCHOOLS.....	61,584,826	5,065,953
1625-ROCKPORT PUBLIC SCHOOLS.....	29,624,898	2,436,937
1630-ROWE PUBLIC SCHOOLS.....	2,290,466	188,413
1645-SALEM PUBLIC SCHOOLS.....	135,308,688	11,130,460
1660-SANDWICH PUBLIC SCHOOLS.....	70,273,224	5,780,658
1665-SAUGUS PUBLIC SCHOOLS.....	64,245,165	5,284,792
1670-SAVOY PUBLIC SCHOOLS.....	1,244,577	102,379
1675-SCITUATE PUBLIC SCHOOLS.....	92,096,121	7,575,804
1680-SEEKONK PUBLIC SCHOOLS.....	60,941,767	5,013,055
1685-SEEM COLLABORATIVE.....	29,967,216	2,465,096
1690-SHARON PUBLIC SCHOOLS.....	104,888,785	8,628,126
1695-SHAWSHEEN VALLEY VOC.....	53,359,738	4,389,359
1700-SHERBORN PUBLIC SCHOOLS.....	13,575,168	1,116,690
1710-SHORE COLLABORATIVE.....	14,995,247	1,233,505
1715-SHREWSBURY PUBLIC SCHOOLS.....	156,179,329	12,847,274
1720-SHUTESBURY PUBLIC SCHOOLS.....	4,373,315	359,748
1725-SILVER LAKE REGIONAL SCHOOL DIST.....	51,475,764	4,234,384
1730-SOMERSET PUBLIC SCHOOLS.....	41,364,641	3,402,645
1735-SOMERVILLE PUBLIC SCHOOLS.....	186,874,431	15,372,245
1745-SOUTH HADLEY PUBLIC SCHOOLS.....	44,723,726	3,678,963
1750-SOUTH MIDDLESEX REGIONAL VOCATIONAL.....	31,717,434	2,609,068
1755-SOUTH SHORE REGIONAL SCHOOL DISTRICT.....	23,177,181	1,906,549
1760-SOUTH SHORE EDUCATIONAL COLLABORATIVE.....	35,398,426	2,911,866
1765-SOUTHERN WORCESTER COUNTY REGIONAL SCHOOL.....	37,673,760	3,099,034
1770-SOUTHAMPTON PUBLIC SCHOOLS.....	11,113,601	914,202
1775-SOUTHBOROUGH PUBLIC SCHOOLS.....	43,796,566	3,602,695
1780-SOUTHBRIDGE PUBLIC SCHOOLS.....	53,705,559	4,417,806
1785-SOUTHEASTERN REGIONAL VOCATIONAL SCHOOL DISTRICT.....	45,682,242	3,757,810
1790-SOUTHEASTERN MASS. COLLABORATIVE.....	6,877,930	565,777
1795-SOUTHERN BERKSHIRE REGIONAL.....	23,324,297	1,918,651
1800-SOUTHERN WORCESTER CO. ED. COLLABORATIVE.....	9,179,928	755,139
1805-SOUTHWICK-TOLLAND REGIONAL.....	39,500,463	3,249,298
1810-NORTH SHORE EDUCATION CONSORTIUM.....	35,392,045	2,911,341
1820-SPENCER-EAST BROOKFIELD PUBLIC SCHOOLS.....	33,316,874	2,740,638
1825-SPRINGFIELD PUBLIC SCHOOLS.....	665,278,007	54,725,607
1835-STONEHAM PUBLIC SCHOOLS.....	62,734,748	5,160,545

**MASSACHUSETTS TEACHERS' RETIREMENT SYSTEM
SUPPLEMENTAL SCHEDULE OF SPECIAL FUNDING
AMOUNTS BY EMPLOYER (CONTINUED)
AS OF AND FOR THE FISCAL YEAR ENDED JUNE 30, 2022
(UNAUDITED)**

Employer	Commonwealth's Proportionate Share of the Net Pension Liability Associated with the District	Employer Pension Expense and Revenue from Commonwealth Support
1840-STOUGHTON PUBLIC SCHOOLS.....	\$ 108,898,615	\$ 8,957,974
1850-STURBRIDGE PUBLIC SCHOOL.....	23,416,928	1,926,271
1855-SUDBURY PUBLIC SCHOOLS.....	89,273,660	7,343,630
1860-SUNDERLAND PUBLIC SCHOOLS.....	5,959,966	490,265
1865-SUTTON PUBLIC SCHOOLS.....	36,196,763	2,977,537
1870-SWAMPSCOTT PUBLIC SCHOOLS.....	66,287,681	5,452,809
1875-SWANSEA PUBLIC SCHOOLS.....	49,513,255	4,072,948
1880-TANTASQUA REGIONAL HIGH SCHOOL.....	46,491,659	3,824,393
1885-TAUNTON PUBLIC SCHOOLS.....	200,572,229	16,499,023
1890-TECH. COLLAB. THE ED. COOPERATIVE.....	9,694,152	797,439
1895-TEWKSBURY PUBLIC SCHOOLS.....	87,767,755	7,219,754
1900-TISBURY PUBLIC SCHOOLS.....	13,957,367	1,148,130
1905-TOPSFIELD PUBLIC SCHOOLS.....	19,578,638	1,610,534
1910-TRI-COUNTY REGIONAL VOCATIONAL SCHOOL.....	35,163,835	2,892,568
1915-TRITON PUBLIC SCHOOLS.....	68,218,316	5,611,622
1920-TRURO PUBLIC SCHOOLS.....	6,161,318	506,829
1925-TYNGSBOROUGH PUBLIC SCHOOLS.....	45,970,382	3,781,512
1935-UPPER CAPE COD VOC. SCHOOL.....	25,842,172	2,125,771
1936-UP ISLAND REGIONAL SCHOOL.....	16,531,003	1,359,836
1940-UXBRIDGE PUBLIC SCHOOLS.....	47,804,260	3,932,367
1950-WACHUSETT REGIONAL SCHOOL DISTRICT.....	159,920,137	13,154,992
1955-WAKEFIELD PUBLIC SCHOOLS.....	97,912,160	8,054,230
1960-WALES PUBLIC SCHOOLS.....	2,628,325	216,205
1965-WALPOLE PUBLIC SCHOOLS.....	111,557,889	9,176,725
1970-WALTHAM PUBLIC SCHOOLS.....	202,944,746	16,694,185
1975-WARE PUBLIC SCHOOLS.....	25,532,208	2,100,273
1980-WAREHAM PUBLIC SCHOOLS.....	63,747,164	5,243,826
2000-WATERTOWN PUBLIC SCHOOLS.....	103,239,179	8,492,430
2005-WAYLAND PUBLIC SCHOOLS.....	101,407,106	8,341,724
2010-WEBSTER PUBLIC SCHOOLS.....	46,521,935	3,826,883
2015-WELLESLEY PUBLIC SCHOOLS.....	186,752,539	15,362,218
2020-WELLFLEET PUBLIC SCHOOLS.....	4,492,536	369,555
2025-WEST BOYLSTON PUBLIC SCHOOLS.....	27,111,797	2,230,210
2030-WEST BRIDGEWATER PUBLIC SCHOOLS.....	32,067,124	2,637,834
2045-WEST SPRINGFIELD PUBLIC SCHOOLS.....	104,829,555	8,623,254
2055-WESTBOROUGH PUBLIC SCHOOLS.....	122,591,274	10,084,328
2060-WESTFIELD PUBLIC SCHOOLS.....	124,378,645	10,231,357
2065-WESTFORD PUBLIC SCHOOLS.....	135,595,004	11,154,012
2070-WESTHAMPTON PUBLIC SCHOOLS.....	3,977,265	327,169
2080-WESTON PUBLIC SCHOOLS.....	84,174,325	6,924,160
2085-WESTPORT PUBLIC SCHOOLS.....	40,114,445	3,299,805

**MASSACHUSETTS TEACHERS' RETIREMENT SYSTEM
SUPPLEMENTAL SCHEDULE OF SPECIAL FUNDING
AMOUNTS BY EMPLOYER (CONTINUED)
AS OF AND FOR THE FISCAL YEAR ENDED JUNE 30, 2022
(UNAUDITED)**

Employer	Commonwealth's Proportionate Share of the Net Pension Liability Associated with the District	Employer Pension Expense and Revenue from Commonwealth Support
2090-WESTWOOD PUBLIC SCHOOLS.....	\$ 103,066,489	\$ 8,478,224
2095-WEYMOUTH PUBLIC SCHOOLS.....	163,265,304	13,430,164
2100-WHATELY PUBLIC SCHOOLS.....	3,870,023	318,347
2110-WHITMAN-HANSON REGIONAL.....	91,783,064	7,550,052
2120-WILLIAMSBURG PUBLIC SCHOOLS.....	4,343,946	357,332
2130-WILMINGTON PUBLIC SCHOOLS.....	94,133,186	7,743,373
2135-WINCENDON PUBLIC SCHOOLS.....	29,153,390	2,398,151
2140-WINCHESTER PUBLIC SCHOOLS.....	136,596,290	11,236,378
2145-WINTHROP PUBLIC SCHOOLS.....	50,380,375	4,144,277
2150-WHITTIER VOCATIONAL SCHOOL DISTRICT.....	43,932,829	3,613,904
2155-WOBURN PUBLIC SCHOOLS.....	137,833,918	11,338,185
2160-WORCESTER PUBLIC SCHOOLS.....	710,349,080	58,433,143
2162-MASS ACADEMY OF MATH AND SCIENCE.....	2,569,351	211,354
2164-WORTHINGTON PUBLIC SCHOOLS.....	1,633,796	134,396
2165-WRENTHAM PUBLIC SCHOOLS.....	27,242,408	2,240,954
2200-AYER SHIRLEY REGIONAL.....	44,265,786	3,641,293
2205-SOMERSET-BERKLEY REGIONAL.....	25,603,915	2,106,172
2210-MONOMOY REGIONAL SCHOOL DISTRICT.....	57,928,961	4,765,222
2215-ESSEX NORTH SHORE AGRICULTURAL & TECHNICAL.....	51,391,434	4,227,447
3000-GREATER COMMONWEALTH VIRTUAL SCHOOL.....	18,183,166	1,495,743
3005-TECCA VIRTUAL SCHOOL.....	31,589,803	2,598,569
4005-COMMUNITY DAY CHARTER SCHOOL.....	11,375,166	935,718
4010-CITY ON A HILL CHARTER SCHOOL.....	7,893,871	649,348
4015-ATLANTIS CHARTER SCHOOL.....	25,973,687	2,136,589
4020-CAPE COD LIGHTHOUSE CHARTER SCHOOL.....	7,769,310	639,102
4025-HILLTOWN COOPERATIVE CHARTER SCHOOL.....	5,629,552	463,086
4030-BENJAMIN FRANKLIN CLASSICAL CHARTER SCHOOL.....	17,898,170	1,472,299
4035-SOUTH SHORE CHARTER SCHOOL.....	30,857,520	2,538,332
4040-LOWELL MIDDLESEX ACADEMY CHARTER SCHOOL.....	2,581,876	212,384
4055-BOSTON RENAISSANCE CHARTER SCHOOL.....	25,375,473	2,087,380
4060-MARBLEHEAD COMMUNITY CHARTER SCHOOL.....	5,647,860	464,592
4065-FRANCIS W. PARKER CHARTER SCHOOL.....	10,120,196	832,485
4070-NEIGHBORHOOD HOUSE CHARTER SCHOOL.....	27,344,632	2,249,363
4075-ACADEMY OF THE PACIFIC RIM CHARTER SCHOOL.....	18,539,163	1,525,027
4080-BENJAMIN BANNEKER CHARTER SCHOOL.....	8,038,837	661,273
4090-LAWRENCE FAMILY DEVELOPMENT CHARTER SCHOOL.....	16,726,439	1,375,913
4095-MARTHA'S VINEYARD CHARTER SCHOOL.....	6,857,405	564,088
4105-SABIS INTERNATIONAL CHARTER SCHOOL.....	27,212,383	2,238,484
4115-PIONEER VALLEY PERFORMING ARTS CHARTER.....	10,705,389	880,623
4120-PROSPECT HILL ACADEMY CHARTER SCHOOL.....	38,992,268	3,207,494
4125-LEARNING FIRST CHARTER PUBLIC SCHOOL.....	14,533,308	1,195,506

**MASSACHUSETTS TEACHERS' RETIREMENT SYSTEM
SUPPLEMENTAL SCHEDULE OF SPECIAL FUNDING
AMOUNTS BY EMPLOYER (CONTINUED)
AS OF AND FOR THE FISCAL YEAR ENDED JUNE 30, 2022
(UNAUDITED)**

Employer	Commonwealth's Proportionate Share of the Net Pension Liability Associated with the District	Employer Pension Expense and Revenue from Commonwealth Support
4140-ABBY KELLEY FOSTER REGIONAL CHARTER.....	\$ 33,389,432	\$ 2,746,607
4145-MYSTIC VALLEY REGIONAL CHARTER SCHOOL.....	26,181,207	2,153,660
4150-FOXBORO REGIONAL CHARTER SCHOOL.....	34,569,567	2,843,684
4165-RISING TIDE CHARTER.....	16,916,690	1,391,563
4170-BOSTON COLLEGIATE CHARTER SCHOOL.....	25,125,322	2,066,803
4175-STURGIS CHARTER SCHOOL.....	28,535,334	2,347,310
4180-RIVER VALLEY CHARTER SCHOOL.....	6,712,543	552,172
4200-CONSERVATORY LAB CHARTER SCHOOL.....	12,326,274	1,013,956
4205-ROXBURY PREPARATORY CHARTER.....	41,471,998	3,411,476
4210-MATCH CHARTER PUBLIC HIGH SCHOOL.....	42,577,409	3,502,407
4225-CODMAN ACADEMY CHARTER SCHOOL.....	14,114,834	1,161,083
4235-CHRISTA MCAULIFFE REGIONAL CHARTER PUBLIC SCHOOL.....	10,785,842	887,241
4240-SIZER SCHOOL: NORTH CENTRAL CHARTER ESSENTIAL SCHOOL.....	8,739,776	718,932
4245-INNOVATION ACADEMY CHARTER SCHOOL.....	19,853,004	1,633,103
4250-EDWARD BROOKE CHARTER SCHOOL.....	65,992,526	5,428,529
4260-FOUR RIVER CHARTER PUBLIC SCHOOL.....	6,232,466	512,681
4265-BOSTON PREPARATORY CHARTER SCHOOL.....	22,136,402	1,820,935
4270-EXCEL ACADEMY CHARTER SCHOOL.....	45,236,702	3,721,160
4275-SALEM ACADEMY CHARTER SCHOOL.....	13,994,740	1,151,204
4285-BERKSHIRE ARTS AND TECHNOLOGY CHARTER.....	10,199,434	839,003
4290-HELEN Y. DAVIS LEADERSHIP ACADEMY CHARTER PUBLIC.....	4,607,454	379,008
4295-HILL VIEW MONTESSORI CHARTER SCHOOL.....	6,096,567	501,502
4300-KIPP ACADEMY LYNN CHARTER SCHOOL.....	47,578,722	3,913,814
4305-ADVANCED MATH & SCIENCE ACADEMY CHARTER SCHOOL.....	22,713,835	1,868,435
4310-COMMUNITY CHARTER SCHOOL OF CAMBRIDGE.....	10,678,417	878,404
4315-HOLYOKE COMMUNITY CHARTER SCHOOL.....	11,161,238	918,121
4320-MARTIN LUTHER KING JR. CHARTER SCHOOL.....	9,703,679	798,222
4325-PHOENIX CHARTER ACADEMY.....	6,378,096	524,661
4330-PIONEER VALLEY CHINESE IMMERSION CHARTER.....	16,733,881	1,376,525
4420-LOWELL COMMUNITY CHARTER SCHOOL.....	17,839,978	1,467,512
4425-PIONEER CHARTER SCHOOL OF SCIENCE.....	18,811,455	1,547,426
4430-GLOBAL LEARNING CHARTER PUBLIC SCHOOL.....	11,162,609	918,234
4440-HAMPDEN CHARTER SCHOOL OF SCIENCE - EAST.....	13,125,994	1,079,741
4510-ALMA DEL MAR CHARTER SCHOOL.....	19,506,844	1,604,628
4515-BRIDGE BOSTON CHARTER SCHOOL.....	13,577,640	1,116,893
4550-VERITAS PREPARATORY CHARTER SCHOOL.....	13,695,229	1,126,566
4565-CDCPS-GATEWAY.....	8,831,009	726,437
4570-CDCPS-R KINGMAN WEBSTER.....	8,136,796	669,331
4575-KIPP ACADEMY BOSTON CHARTER SCHOOL.....	16,593,697	1,364,993
4580-PAULO FREIRE SOCIAL JUSTICE CHARTER SCHOOL.....	3,972,763	326,798

**MASSACHUSETTS TEACHERS' RETIREMENT SYSTEM
 SUPPLEMENTAL SCHEDULE OF SPECIAL FUNDING
 AMOUNTS BY EMPLOYER (CONTINUED)
 AS OF AND FOR THE FISCAL YEAR ENDED JUNE 30, 2022
 (UNAUDITED)**

Employer	Commonwealth's Proportionate Share of the Net Pension Liability Associated with the District	Employer Pension Expense and Revenue from Commonwealth Support
4595-PIONEER CHARTER SCHOOL OF SCIENCE II.....	8,327,111	684,986
4600-THE LOWELL COLLEGIATE CHARTER SCHOOL.....	12,002,433	987,317
4605-BAY STATE ACADEMY CHARTER PUBLIC SCHOOL.....	10,189,160	838,158
4610-PHOENIX CHARTER ACADEMY SPRINGFIELD.....	3,954,615	325,306
4615-ARGOSY COLLEGIATE CHARTER SCHOOL.....	15,238,090	1,253,482
4620-SPRINGFIELD PREPARATORY CHARTER SCHOOL.....	10,979,289	903,154
4625-NEW HEIGHTS CHARTER OF BROCKTON.....	20,811,919	1,711,983
4630-LIBERTAS ACADEMY CHARTER SCHOOL.....	12,448,053	1,023,974
4635-OLD STURBRIDGE ACADEMY CHARTER PUPLIC SCHOOL.....	5,910,856	486,226
4640-MAP ACADEMY CHARTER SCHOOL.....	6,437,224	529,525
4645-HAMPDEN CHARTER SCHOOL OF SCIENCE - WEST.....	7,241,438	595,679
4650-PHOENIX ACADEMY PUBLIC CHARTER HS LAWRENCE.....	3,687,100	303,300
Totals.....	<u>\$ 25,888,138,000</u>	<u>\$ 2,129,551,933</u> (Concluded)

See accompanying notes to supplemental schedules.

**MASSACHUSETTS TEACHERS' RETIREMENT SYSTEM
NOTES TO SUPPLEMENTAL SCHEDULES
AS OF AND FOR THE FISCAL YEAR ENDED JUNE 30, 2022
(UNAUDITED)**

NOTE 1 - SCHEDULE OF EMPLOYER ALLOCATIONS OF SPECIAL FUNDING AMOUNTS

The Supplemental Schedule of Employer Allocations of Special Funding Amounts shows the total Commonwealth support provided to the employers for the year ending June 30, 2022. The total of Commonwealth provided contributions has been allocated based on the ratio of each employer's covered payroll to the total covered payroll (approximately \$8,231,012,000) of employers in MTRS as of the measurement date of June 30, 2022. The Supplemental Schedule of Employer Allocations of Special Funding Amounts is included to provide employers with their calculated proportionate share that will be used to recognize pension expense and revenue and to disclose the proportionate share of the collective net pension liability.

NOTE 2 - COMPONENTS ON SCHEDULE OF SPECIAL FUNDING AMOUNTS BY EMPLOYER

Commonwealth's Proportionate Share of the Net Pension Liability Associated with the District

The Commonwealth's proportionate share of the net pension liability associated with each employer is equal to the collective net pension liability multiplied by the employer's proportionate share percentage for the fiscal year ending June 30, 2022, as shown in the Supplemental Schedule of Employer Allocations of Special Funding Amounts.

Employer Pension Expense and Revenue from Commonwealth Support

Employers in a special funding situation are required to recognize pension expense and revenue for the support provided by the nonemployer contributing entity (the Commonwealth). All employers in MTRS are special funding situations with employer contributions paid by the Commonwealth. The amount reported in the Employer Pension Expense and Revenue from Commonwealth Support Column are calculated for each participating employer by multiplying the collective pension expense by the allocation percentage as shown in the Supplemental Schedule of Employer Allocations of Special Funding Amounts.