

**MASSACHUSETTS TEACHERS' RETIREMENT SYSTEM**

Schedule of Nonemployer Allocations and  
Schedule of Collective Pension Amounts

June 30, 2020

(With Independent Auditors' Report Thereon)



KPMG LLP  
Two Financial Center  
60 South Street  
Boston, MA 02111

## Independent Auditors' Report

Mr. William McNamara, Comptroller  
Commonwealth of Massachusetts:

We have audited the accompanying schedule of nonemployer allocations of the Massachusetts Teachers' Retirement System (MTRS) as of and for the year ended June 30, 2020, and the related notes. We have also audited 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 year ended June 30, 2020, and the related notes.

### *Management's Responsibility for the Schedules*

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

### *Auditors' Responsibility*

Our responsibility is to express opinions on the schedule of nonemployer allocations and the specified column totals included in the schedule of collective pension amounts based on our audit. We conducted our audit in accordance with auditing standards generally accepted in the United States of America. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the schedule of nonemployer allocations and the specified column totals included in the schedule of collective pension amounts are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the schedule of nonemployer allocations and the specified column totals included in the schedule of collective pension amounts. The procedures selected depend on the auditors' judgment, including the assessment of the risks of material misstatement of the schedule of nonemployer allocations and the specified column totals included in the schedule of collective pension amounts, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the entity's preparation and fair presentation of the schedule of nonemployer allocations and the specified column totals included in the schedule of collective pension amounts in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the entity's internal control. Accordingly, we express no such opinion. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluating the overall presentation of the schedule of nonemployer allocations and the specified column totals included in the schedule of collective pension amounts.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinions.



*Opinions*

In our opinion, the schedules referred to above present fairly, in all material respects, the nonemployer allocations, net pension liability, total deferred outflows of resources, total deferred inflows of resources, and total nonemployer pension expense for MTRS as of and for the year ended June 30, 2020, in accordance with U.S. generally accepted accounting principles.

*Supplemental Information*

The supplemental schedule of employer allocations of special funding amounts, the supplemental schedule of special funding amounts by employer, and related notes have not been subject to the auditing procedures applied in the audit of the schedule of nonemployer allocations and the schedule of collective pension amounts, and accordingly, we do not express an opinion or provide any assurance on them.

*Restriction on Use*

Our report is intended solely for 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.

KPMG LLP

Boston, Massachusetts  
April 9, 2021

**MASSACHUSETTS TEACHERS' RETIREMENT SYSTEM**  
**SCHEDULE OF NONEMPLOYER ALLOCATIONS**  
As of and for the fiscal year ended June 30, 2020

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Nonemployer	Nonemployer Contributions	Allocation Percentage
Commonwealth of Massachusetts.....	\$ 1,553,433,000	100.00000%

See accompanying notes to schedule of nonemployer allocations and schedule of collective pension amounts.

**MASSACHUSETTS TEACHERS' RETIREMENT SYSTEM**  
**SCHEDULE OF COLLECTIVE PENSION AMOUNTS**  
As of and for the fiscal year ended June 30, 2020

Nonemployer	Net Pension Liability	Deferred Outflows of Resources			Total Deferred Outflows of Resources	Deferred Inflows of Resources	Pension Expense
		Differences Between Expected and Actual Experience	Net Differences Between Projected and Actual Investment Earnings on Pension Plan Investments	Changes of Assumptions		Differences Between Expected and Actual Experience	Total Nonemployer Pension Expense
Commonwealth of Massachusetts.....	<u>\$ 28,544,844,000</u>	<u>\$ 517,115,882</u>	<u>\$ 965,930,200</u>	<u>\$ 2,052,071,391</u>	<u>\$ 3,535,117,472</u>	<u>\$ 14,327,419</u>	<u>\$ 3,525,697,181</u>

See accompanying notes to schedule of nonemployer allocations and schedule of collective pension amounts.

# MASSACHUSETTS TEACHERS' RETIREMENT SYSTEM

## Notes to Schedule of Nonemployer Allocations and Schedule of Collective Pension Amounts

June 30, 2020

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### 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 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 Comprehensive Annual 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 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 Schedule of Nonemployer Allocations and  
Schedule of Collective Pension Amounts

June 30, 2020

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

In addition, members who join the system on or after April 2, 2012 will have their withholding rates reduced to 8% for those participating in Retirementplus otherwise the withholdings are reduced to 6% plus 2% on earnings over \$30,000 a year 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 Schedule of Nonemployer Allocations and  
Schedule of Collective Pension Amounts  
June 30, 2020

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**NOTE 4 - COLLECTIVE NET PENSION LIABILITY**

The collective net pension liability at June 30, 2020 was as follows (amounts in thousands):

Total pension liability.....	\$	57,862,841
Less:		
Plan fiduciary net position.....		29,317,997
Net pension liability.....	\$	28,544,844
Plan fiduciary net position as a percentage of total pension liability.....		50.67%

*Actuarial Assumptions*

The total pension liability for the June 30, 2020 measurement date was determined by an actuarial valuation as of January 1, 2019 rolled forward to June 30, 2020, using the following actuarial assumptions:

1. (a) 7.15% investment rate of return, (b) 3.50% interest rate credited to the annuity savings fund and (c) 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 4.0% to 7.5% 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-2018 (gender distinct).
  - Post-retirement - reflects Pub-2010 Teachers Retirees mortality table (headcount weighted) projected generationally with Scale MP-2018 (gender distinct).
  - Disability - assumed to be in accordance with the Pub-2010 Teachers Retirees mortality table (headcount weighted) projected generationally with Scale MP-2018 (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 through January 1, 2017.

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, 2020 are summarized in the following table:



**MASSACHUSETTS TEACHERS' RETIREMENT SYSTEM**  
Notes to Schedule of Nonemployer Allocations and  
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Asset Class	Target Allocation	Long-Term Expected Real Rate of Return
Global Equity.....	39.0%	4.8%
Core Fixed Income.....	15.0%	0.7%
Private Equity.....	13.0%	8.2%
Portfolio Completion Strategies....	11.0%	3.2%
Real Estate.....	10.0%	3.5%
Value Added Fixed Income.....	8.0%	4.2%
Timberland/Natural Resources....	4.0%	4.1%
Total.....	100.0%	

***Discount Rate***

The discount rate used to measure the total pension liability was 7.15%. 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, 2020. 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):

1% Decrease to 6.15%	Current Discount Rate 7.15%	1% Increase to 8.15%
\$ 35,411,955	\$ 28,544,844	\$ 22,908,510

**MASSACHUSETTS TEACHERS' RETIREMENT SYSTEM**  
Notes to Schedule of Nonemployer Allocations and  
Schedule of Collective Pension Amounts  
June 30, 2020

**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, 2019	Additions	Deletions	Balance June 30, 2020
<b>Deferred Outflows of Resources:</b>						
Difference between expected and actual experience.....	2015	6.2 years	\$ 29,614	\$ -	\$ (24,677)	\$ 4,937
	2017	6.2 years	24,281	-	(7,588)	16,693
	2018	6.1 years	62,049	-	(15,134)	46,915
	2019	6.1 years	42,564	-	(8,346)	34,218
	2020	6.1 years	-	495,599	(81,246)	414,353
Subtotal.....			<u>158,508</u>	<u>495,599</u>	<u>(136,991)</u>	<u>517,116</u>
Net difference between projected and actual earnings on plan investments.....	2016	5 years	282,499	-	(282,499)	-
	2017	5 years	(512,580)	-	256,290	(256,290)
	2018	5 years	(358,906)	-	119,635	(239,271)
	2019	5 years	363,749	-	(90,937)	272,812
	2020	5 years	-	1,485,849	(297,170)	1,188,679
Subtotal.....			<u>(225,238)</u>	<u>1,485,849</u>	<u>(294,681)</u>	<u>965,930</u>
Change of assumptions.....	2014	6.1 years	1,770	-	(1,770)	-
	2015	6.2 years	596,129	-	(496,775)	99,354
	2017	6.2 years	606,969	-	(189,677)	417,292
	2018	6.1 years	567,950	-	(138,525)	429,425
	2019	6.1 years	482,410	-	(94,590)	387,820
	2020	6.1 years	-	859,000	(140,820)	718,180
Subtotal.....			<u>2,255,228</u>	<u>859,000</u>	<u>(1,062,157)</u>	<u>2,052,071</u>
Total deferred outflows of resources.....			<u>\$ 2,188,498</u>	<u>\$ 2,840,448</u>	<u>\$ (1,493,829)</u>	<u>\$ 3,535,117</u>
<b>Deferred Inflows of Resources:</b>						
Difference between expected and actual experience.....	2016	6.2 years	\$ (26,267)	\$ -	\$ 11,940	\$ (14,327)

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):

**MASSACHUSETTS TEACHERS' RETIREMENT SYSTEM**

Notes to Schedule of Nonemployer Allocations and  
Schedule of Collective Pension Amounts

June 30, 2020

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Fiscal Year	
<u>Ending June 30</u>	
2021.....	\$ 780,458
2022.....	942,009
2023.....	906,220
2024.....	637,537
2025.....	232,359
Thereafter.....	<u>22,206</u>
Total.....	<u>\$ 3,520,790</u>

**NOTE 6 - COLLECTIVE PENSION EXPENSE**

The following table shows the components of pension expense as of June 30, 2020 (amounts in thousands):

Service cost.....	\$ 1,019,331
Interest on the total pension liability.....	3,927,724
Employee contributions.....	(821,105)
Projected earnings on plan investments.....	(2,067,497)
Transfers and reimbursements from other systems.....	(58,692)
Member make up, redeposits and payments from rollovers.....	(15,018)
Other reimbursements.....	(2,472)
Administrative expense.....	22,391
Other changes.....	39,146
Recognition (amortization) of deferred outflows and inflows of resources:	
Differences between expected and actual experience.....	125,051
Differences between projected and actual earnings on plan investments.....	294,681
Changes of assumptions.....	<u>1,062,157</u>
Pension expense.....	<u>\$ 3,525,697</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, 2020  
 (Unaudited)

Employer	Commonwealth Pension Support Provided	Employer Allocation Percentage
0100-ABINGTON PUBLIC SCHOOLS.....	\$ 3,024,086	0.194671%
0110-ACTON-BOXBOROUGH REGIONAL SCHOOL.....	9,145,536	0.588731%
0115-ACUSHNET PUBLIC SCHOOLS.....	1,345,332	0.086604%
0120-ADAMS-CHESHIRE REGIONAL SCHOOLS.....	1,668,958	0.107437%
0125-AGAWAM PUBLIC SCHOOLS.....	6,501,206	0.418506%
0130-AMESBURY PUBLIC SCHOOLS.....	3,505,015	0.225630%
0135-AMHERST PUBLIC SCHOOLS.....	2,564,600	0.165092%
0140-AMHERST-PELHAM REGIONAL SCHOOL DISTRICT.....	2,580,815	0.166136%
0145-ANDOVER PUBLIC SCHOOLS.....	11,522,214	0.741726%
0150-ARLINGTON PUBLIC SCHOOLS.....	9,421,714	0.606509%
0160-ASHBURNHAM-WESTMINSTER REGIONAL SCHOOL.....	3,124,793	0.201154%
0170-ASHLAND PUBLIC SCHOOLS.....	4,534,942	0.291930%
0175-ASSABET VALLEY REGIONAL VOCATIONAL SCH.....	2,536,861	0.163307%
0180-ASSABET VALLEY COLLABORATIVE SCHOOL.....	833,124	0.053631%
0185-ATHOL-ROYALSTON REGIONAL SCHOOL.....	2,112,676	0.136000%
0190-ATTLEBORO PUBLIC SCHOOLS.....	8,573,243	0.551890%
0195-AUBURN PUBLIC SCHOOLS.....	3,770,935	0.242748%
0200-AVON PUBLIC SCHOOLS.....	1,342,992	0.086453%
0210-BARNSTABLE PUBLIC SCHOOLS.....	8,826,621	0.568201%
0220-BEDFORD PUBLIC SCHOOLS.....	5,802,007	0.373496%
0225-BELCHERTOWN PUBLIC SCHOOLS.....	3,311,663	0.213184%
0230-BELLINGHAM PUBLIC SCHOOLS.....	3,516,784	0.226388%
0235-BELMONT PUBLIC SCHOOLS.....	6,865,188	0.441937%
0240-BERKLEY PUBLIC SCHOOLS.....	1,230,862	0.079235%
0245-BERKSHIRE HILLS REGIONAL SCHOOL DISTRICT.....	2,367,228	0.152387%
0250-BERLIN PUBLIC SCHOOLS.....	30,820	0.001984%
0255-BERLIN-BOYLSTON REGIONAL SCHOOL.....	1,788,267	0.115117%
0265-BEVERLY PUBLIC SCHOOLS.....	6,947,471	0.447233%
0270-BICOUNTY COLLABORATIVE.....	1,042,130	0.067086%
0275-BILLERICA PUBLIC SCHOOLS.....	9,204,552	0.592530%
0280-BLACKSTONE-MILLVILLE REGIONAL SCHOOL.....	2,358,934	0.151853%
0285-BLACKSTONE VALLEY REG. VOC.....	2,222,371	0.143062%
0300-BLUE HILLS REGIONAL TECH.....	1,886,732	0.121456%
0315-BOURNE PUBLIC SCHOOLS.....	3,172,841	0.204247%
0325-BOXFORD PUBLIC SCHOOLS.....	1,436,191	0.092453%
0330-BOYLSTON PUBLIC SCHOOLS.....	46,701	0.003006%
0335-BRAINTREE PUBLIC SCHOOLS.....	9,903,849	0.637546%
0340-BREWSTER PUBLIC SCHOOLS.....	820,436	0.052814%
0350-BRIDGewater-RAYNHAM REGIONAL SCHOOL.....	7,533,923	0.484985%
0355-BRIMFIELD PUBLIC SCHOOLS.....	485,281	0.031239%
0360-BRISTOL COUNTY AGRICULTURAL.....	738,291	0.047526%
0365-BRISTOL-PLYMOUTH REGIONAL SCHOOL.....	2,411,749	0.155253%
0370-BROCKTON PUBLIC SCHOOLS.....	25,031,309	1.611354%
0375-BROOKFIELD PUBLIC SCHOOLS.....	438,147	0.028205%
0380-BROOKLINE PUBLIC SCHOOLS.....	17,835,309	1.148122%

**MASSACHUSETTS TEACHERS' RETIREMENT SYSTEM**  
**SUPPLEMENTAL SCHEDULE OF EMPLOYER ALLOCATIONS OF SPECIAL FUNDING AMOUNTS**  
As of and for the fiscal year ended June 30, 2020  
(Unaudited)

Employer	Commonwealth Pension Support Provided	Employer Allocation Percentage
0390-BURLINGTON PUBLIC SCHOOLS.....	7,704,758	0.495983%
0395-CAMBRIDGE PUBLIC SCHOOLS.....	19,836,516	1.276947%
0400-CANTON PUBLIC SCHOOLS.....	5,771,199	0.371513%
0410-CAPE COD REGIONAL SCHOOL DISTRICT.....	1,286,003	0.082785%
0415-CAPE COD COLLABORATIVE.....	611,340	0.039354%
0420-CAPS COLLABORATIVE.....	573,550	0.036921%
0425-CARLISLE PUBLIC SCHOOLS.....	1,526,918	0.098293%
0430-CARVER PUBLIC SCHOOLS.....	2,479,210	0.159596%
0435-CASE COLLABORATIVE.....	735,495	0.047346%
0440-CENTRAL BERKSHIRE REGIONAL.....	2,532,278	0.163012%
0445-CENTRAL MASS. SPEC. ED. COLLABORATIVE.....	1,591,013	0.102419%
0460-CHELMSFORD PUBLIC SCHOOLS.....	7,727,405	0.497441%
0465-CHELSEA PUBLIC SCHOOLS.....	8,730,510	0.562014%
0470-CHESTERFIELD-GOSHEN REGIONAL.....	252,774	0.016272%
0475-CHICOPEE PUBLIC SCHOOLS.....	11,303,617	0.727654%
0485-CLARKSBURG PUBLIC SCHOOLS.....	321,859	0.020719%
0490-CLINTON PUBLIC SCHOOLS.....	2,772,848	0.178498%
0495-COHASSET PUBLIC SCHOOLS.....	2,921,003	0.188035%
0500-CONCORD PUBLIC SCHOOLS.....	5,012,910	0.322699%
0505-CONCORD-CARLISLE REGIONAL SCHOOL.....	3,084,997	0.198592%
0510-CONWAY PUBLIC SCHOOLS.....	282,614	0.018193%
0515-SOUTH COAST ED. COLLABORATIVE (COOPC).....	1,501,276	0.096642%
0520-DANVERS PUBLIC SCHOOLS.....	6,273,230	0.403830%
0525-DARTMOUTH PUBLIC SCHOOLS.....	6,104,372	0.392960%
0530-DEDHAM PUBLIC SCHOOLS.....	6,213,836	0.400007%
0540-DEERFIELD PUBLIC SCHOOLS.....	622,825	0.040093%
0545-DENNIS-YARMOUTH REGIONAL SCHOOLS.....	5,853,780	0.376829%
0555-DIGHTON-REHOBOTH REGIONAL SCHOOL.....	4,438,618	0.285730%
0560-DOUGLAS PUBLIC SCHOOLS.....	1,887,231	0.121488%
0565-DOVER PUBLIC SCHOOLS.....	941,626	0.060616%
0570-DOVER-SHERBORN REGIONAL SCHOOL.....	2,873,743	0.184993%
0575-DRACUT PUBLIC SCHOOLS.....	3,977,681	0.256057%
0580-DUDLEY-CHARLTON REGIONAL SCHOOLS.....	5,310,479	0.341854%
0585-DUXBURY PUBLIC SCHOOLS.....	4,992,192	0.321365%
0590-EAST BRIDGEWATER PUBLIC SCHOOLS.....	3,116,612	0.200627%
0600-EAST LONGMEADOW PUBLIC SCHOOLS.....	4,261,657	0.274338%
0605-EASTHAM PUBLIC SCHOOLS.....	456,868	0.029410%
0610-EASTHAMPTON PUBLIC SCHOOLS.....	1,987,159	0.127921%
0615-EASTON PUBLIC SCHOOLS.....	5,520,125	0.355350%
0617-EDCO COLLABORATIVE.....	445,074	0.028651%
0620-EDGARTOWN PUBLIC SCHOOLS.....	904,481	0.058225%
0625-ERVING PUBLIC SCHOOLS.....	374,199	0.024089%
0640-EVERETT PUBLIC SCHOOLS.....	11,524,232	0.741856%
0645-FAIRHAVEN PUBLIC SCHOOLS.....	2,844,696	0.183123%
0650-FALL RIVER PUBLIC SCHOOLS.....	15,282,721	0.983803%

**MASSACHUSETTS TEACHERS' RETIREMENT SYSTEM**  
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(Unaudited)

Employer	Commonwealth Pension Support Provided	Employer Allocation Percentage
0655-FALMOUTH PUBLIC SCHOOLS.....	6,323,925	0.407093%
0660-FITCHBURG PUBLIC SCHOOLS.....	7,730,067	0.497612%
0665-FLLAC COLLABORATIVE.....	698,131	0.044941%
0670-FLORIDA PUBLIC SCHOOLS.....	153,905	0.009907%
0675-FOXBOROUGH PUBLIC SCHOOLS.....	4,813,772	0.309880%
0680-FRAMINGHAM PUBLIC SCHOOLS.....	16,897,346	1.087742%
0685-FRANKLIN PUBLIC SCHOOLS.....	8,781,592	0.565302%
0690-FRANKLIN COUNTY REGIONAL SCHOOL DISTRICT.....	1,118,963	0.072032%
0700-FREETOWN-LAKEVILLE REGIONAL SCHOOLS.....	3,711,345	0.238912%
0705-FRONTIER REGIONAL SCHOOL DISTRICT.....	1,082,465	0.069682%
0710-GARDNER PUBLIC SCHOOLS.....	3,257,903	0.209723%
0715-GATEWAY REGIONAL SCHOOL.....	1,454,921	0.093658%
0725-GEORGETOWN PUBLIC SCHOOLS.....	2,206,072	0.142013%
0730-GILL-MONTAGUE REGIONAL.....	1,613,417	0.103861%
0735-GLOUCESTER PUBLIC SCHOOLS.....	5,083,945	0.327272%
0745-GOSNOLD PUBLIC SCHOOLS.....	9,226	0.000594%
0750-GRAFTON PUBLIC SCHOOLS.....	4,634,477	0.298338%
0755-GRANBY PUBLIC SCHOOLS.....	1,219,829	0.078525%
0765-DIMAN REGIONAL VOC.....	2,930,375	0.188639%
0770-GREATER LAWRENCE REGIONAL.....	3,361,589	0.216397%
0775-CREST.....	971,861	0.062562%
0780-GREATER LOWELL REGIONAL.....	4,282,998	0.275712%
0785-GREATER NEW BEDFORD REGIONAL VOC.....	4,097,849	0.263793%
0795-GREENFIELD PUBLIC SCHOOLS.....	2,511,883	0.161699%
0800-GROTON-DUNSTABLE REGIONAL.....	4,085,986	0.263029%
0810-HADLEY PUBLIC SCHOOLS.....	906,601	0.058361%
0815-HALIFAX PUBLIC SCHOOLS.....	751,275	0.048362%
0820-HAMILTON-WENHAM REGIONAL.....	3,471,849	0.223495%
0830-HAMPDEN-WILBRAHAM REGIONAL.....	4,716,734	0.303633%
0835-HAMPSHIRE REGIONAL SCHOOL.....	1,392,580	0.089645%
0840-COLLABORATIVE FOR EDUCATIONAL SERVICES.....	3,273,594	0.210733%
0845-HANCOCK PUBLIC SCHOOLS.....	95,676	0.006159%
0850-HANOVER PUBLIC SCHOOLS.....	4,581,969	0.294958%
0865-HARVARD PUBLIC SCHOOLS.....	2,071,343	0.133340%
0875-HATFIELD PUBLIC SCHOOLS.....	718,707	0.046266%
0880-HAVERHILL PUBLIC SCHOOLS.....	10,959,685	0.705514%
0885-HAWLEMONT REGIONAL.....	242,810	0.015631%
0895-HINGHAM PUBLIC SCHOOLS.....	7,587,155	0.488412%
0900-HOLBROOK PUBLIC SCHOOLS.....	1,825,300	0.117501%
0910-HOLLAND PUBLIC SCHOOLS.....	329,359	0.021202%
0915-HOLLISTON PUBLIC SCHOOLS.....	4,922,095	0.316853%
0920-HOLYOKE PUBLIC SCHOOLS.....	7,131,040	0.459050%
0925-HOPEDALE PUBLIC SCHOOLS.....	1,842,611	0.118615%
0930-HOPKINTON PUBLIC SCHOOLS.....	6,518,973	0.419649%
0940-HUDSON PUBLIC SCHOOLS.....	5,102,897	0.328492%

**MASSACHUSETTS TEACHERS' RETIREMENT SYSTEM**  
**SUPPLEMENTAL SCHEDULE OF EMPLOYER ALLOCATIONS OF SPECIAL FUNDING AMOUNTS**  
As of and for the fiscal year ended June 30, 2020  
(Unaudited)

Employer	Commonwealth Pension Support Provided	Employer Allocation Percentage
0945-HULL PUBLIC SCHOOLS.....	1,779,976	0.114583%
0950-IPSWICH PUBLIC SCHOOLS.....	3,250,838	0.209268%
0955-KING PHILIP REGIONAL.....	2,861,306	0.184192%
0960-KINGSTON PUBLIC SCHOOLS.....	1,194,764	0.076911%
0965-LABBB COLLABORATIVE.....	1,629,392	0.104890%
0985-LAWRENCE PUBLIC SCHOOLS.....	19,931,983	1.283093%
0990-LEE PUBLIC SCHOOLS.....	1,312,138	0.084467%
0995-LEICESTER PUBLIC SCHOOLS.....	2,214,008	0.142524%
1000-LENOX PUBLIC SCHOOLS.....	1,575,111	0.101395%
1005-LEOMINSTER PUBLIC SCHOOLS.....	8,336,799	0.536669%
1010-LEVERETT PUBLIC SCHOOLS.....	250,677	0.016137%
1015-LEXINGTON PUBLIC SCHOOLS.....	15,359,350	0.988736%
1025-LINCOLN PUBLIC SCHOOLS.....	3,258,152	0.209739%
1030-LINCOLN-SUDBURY REGIONAL.....	3,537,428	0.227717%
1035-LITTLETON PUBLIC SCHOOLS.....	2,552,777	0.164331%
1040-LONGMEADOW PUBLIC SCHOOLS.....	4,821,506	0.310377%
1045-LOWELL PUBLIC SCHOOLS.....	22,507,247	1.448871%
1050-LOWER PIONEER COLLAB.....	738,160	0.047518%
1055-LUDLOW PUBLIC SCHOOLS.....	4,354,817	0.280335%
1060-LUNENBURG PUBLIC SCHOOLS.....	2,333,042	0.150186%
1065-LYNN PUBLIC SCHOOLS.....	23,544,725	1.515658%
1070-LYNNFIELD PUBLIC SCHOOLS.....	3,823,258	0.246117%
1075-MALDEN PUBLIC SCHOOLS.....	10,306,277	0.663452%
1082-MANCHESTER ESSEX REGIONAL SCHOOL.....	2,985,262	0.192172%
1085-MANSFIELD PUBLIC SCHOOLS.....	6,865,213	0.441938%
1090-MARBLEHEAD PUBLIC SCHOOLS.....	5,490,079	0.353416%
1095-MARION PUBLIC SCHOOLS.....	754,600	0.048576%
1100-MARTHA'S VINEYARD PUBLIC SCHOOLS.....	2,496,661	0.160719%
1105-MARSHFIELD PUBLIC SCHOOLS.....	6,808,128	0.438263%
1110-MARLBOROUGH PUBLIC SCHOOLS.....	8,518,224	0.548348%
1115-MASCONOMET REGIONAL SCHOOL.....	3,648,125	0.234843%
1120-MASHPEE PUBLIC SCHOOLS.....	3,057,221	0.196804%
1125-MATTAPOISETT PUBLIC SCHOOLS.....	823,215	0.052993%
1130-MAYNARD PUBLIC SCHOOLS.....	2,412,416	0.155296%
1135-MEDFIELD PUBLIC SCHOOLS.....	5,137,329	0.330708%
1140-MEDFORD PUBLIC SCHOOLS.....	9,057,189	0.583043%
1145-MEDWAY PUBLIC SCHOOLS.....	3,681,964	0.237021%
1150-MELROSE PUBLIC SCHOOLS.....	5,371,593	0.345789%
1155-MENDON-UPTON REGIONAL SCHOOL DISTRICT.....	3,259,517	0.209827%
1165-VALLEY COLLABORATIVE SCHOOL.....	1,262,836	0.081293%
1170-METHUEN PUBLIC SCHOOLS.....	10,128,710	0.652021%
1175-MIDDLEBOROUGH PUBLIC SCHOOLS.....	4,507,043	0.290134%
1180-MIDDLETON PUBLIC SCHOOLS.....	1,387,571	0.089323%
1185-MILFORD PUBLIC SCHOOLS.....	7,199,478	0.463456%
1190-MILLBURY PUBLIC SCHOOLS.....	2,771,366	0.178403%



**MASSACHUSETTS TEACHERS' RETIREMENT SYSTEM**  
 SUPPLEMENTAL SCHEDULE OF EMPLOYER ALLOCATIONS OF SPECIAL FUNDING AMOUNTS  
 As of and for the fiscal year ended June 30, 2020  
 (Unaudited)

Employer	Commonwealth Pension Support Provided	Employer Allocation Percentage
1195-MILLIS PUBLIC SCHOOLS.....	2,266,563	0.145907%
1200-MILTON PUBLIC SCHOOLS.....	7,229,638	0.465397%
1205-MINUTEMAN REGIONAL VOCATIONAL SCHOOL.....	2,030,469	0.130708%
1210-MOHAWK TRAIL REGIONAL SCHOOL.....	1,641,938	0.105697%
1215-MONROE PUBLIC SCHOOLS.....	600	0.000039%
1220-MONSON PUBLIC SCHOOLS.....	1,456,319	0.093748%
1225-MONTACHUSETT REGIONAL VOCATIONAL SCHOOL.....	2,492,646	0.160460%
1230-MOUNT GREYLOCK REGIONAL SCHOOL.....	2,086,661	0.134326%
1235-NAHANT PUBLIC SCHOOLS.....	191,178	0.012307%
1240-NANTUCKET PUBLIC SCHOOLS.....	3,635,421	0.234025%
1245-NARRAGANSETT REGIONAL SCHOOL DISTRICT.....	1,881,291	0.121105%
1250-NASHOBA REGIONAL SCHOOL DISTRICT.....	6,103,900	0.392930%
1255-NASHOBA VALLEY TECH.....	1,571,607	0.101170%
1260-NATICK PUBLIC SCHOOLS.....	11,059,096	0.711913%
1265-NAUSET REGIONAL SCHOOL.....	3,346,629	0.215434%
1275-NEEDHAM PUBLIC SCHOOLS.....	11,020,792	0.709448%
1285-NEW BEDFORD PUBLIC SCHOOLS.....	18,715,622	1.204791%
1295-NEW SALEM-WENDELL REGIONAL SCHOOL.....	327,079	0.021055%
1305-NEWBURYPORT PUBLIC SCHOOLS.....	4,142,447	0.266664%
1310-NEWTON PUBLIC SCHOOLS.....	26,131,873	1.682201%
1315-NORFOLK PUBLIC SCHOOLS.....	1,718,841	0.110648%
1320-NORFOLK COUNTY AGRICULTURAL SCHOOL.....	1,194,734	0.076909%
1325-NORTH ADAMS PUBLIC SCHOOLS.....	2,280,054	0.146775%
1330-NORTH ANDOVER PUBLIC SCHOOLS.....	6,760,847	0.435220%
1335-NORTH ATTLEBORO PUBLIC SCHOOLS.....	6,504,051	0.418689%
1340-NORTH BROOKFIELD PUBLIC SCHOOLS.....	812,199	0.052284%
1345-NORTH MIDDLESEX REGIONAL SCHOOL.....	4,800,830	0.309046%
1350-NORTH READING PUBLIC SCHOOLS.....	4,448,386	0.286358%
1355-NORTH RIVER COLLABORATIVE SCHOOL.....	761,048	0.048991%
1365-NORTHAMPTON PUBLIC SCHOOLS.....	5,256,252	0.338364%
1370-NORTHBOROUGH PUBLIC SCHOOLS.....	3,340,091	0.215013%
1375-NORTHBORO-SOUTHBORO REGIONAL SCHOOL.....	2,786,490	0.179376%
1380-NORTHBRIDGE PUBLIC SCHOOLS.....	3,151,568	0.202878%
1385-NORTHEAST METRO REGIONAL VOCATIONAL SCH.....	2,575,388	0.165787%
1390-NORTHERN BERKSHIRE REGIONAL VOC. SCH.....	998,850	0.064300%
1400-NORTON PUBLIC SCHOOLS.....	4,083,510	0.262870%
1405-NORWELL PUBLIC SCHOOLS.....	4,001,242	0.257574%
1410-NORWOOD PUBLIC SCHOOLS.....	6,372,081	0.410193%
1415-OAK BLUFFS PUBLIC SCHOOLS.....	982,211	0.063228%
1425-OLD COLONY VOCATIONAL SCHOOL.....	1,177,184	0.075780%
1430-OLD ROCHESTER REGIONAL SCHOOL.....	1,862,364	0.119887%
1435-ORANGE PUBLIC SCHOOLS.....	772,921	0.049756%
1440-ORLEANS PUBLIC SCHOOLS.....	534,923	0.034435%
1445-FARMINGTON RIVER PUBLIC SCHOOLS.....	229,114	0.014749%
1450-OXFORD PUBLIC SCHOOLS.....	2,267,819	0.145988%

**MASSACHUSETTS TEACHERS' RETIREMENT SYSTEM**  
 SUPPLEMENTAL SCHEDULE OF EMPLOYER ALLOCATIONS OF SPECIAL FUNDING AMOUNTS  
 As of and for the fiscal year ended June 30, 2020  
 (Unaudited)

Employer	Commonwealth Pension Support Provided	Employer Allocation Percentage
1455-PALMER PUBLIC SCHOOLS.....	2,119,751	0.136456%
1460-PATHFINDER REGIONAL VOC.....	1,483,564	0.095502%
1470-PEABODY PUBLIC SCHOOLS.....	8,923,060	0.574409%
1475-PELHAM PUBLIC SCHOOLS.....	218,807	0.014085%
1480-PEMBROKE PUBLIC SCHOOLS.....	4,441,217	0.285897%
1485-PENTUCKET REGIONAL SCHOOL.....	3,871,298	0.249209%
1490-PETERSHAM CENTER SCHOOL.....	143,423	0.009233%
1495-PILGRIM AREA COLLABORATIVE.....	725,395	0.046696%
1500-PIONEER VALLEY REGIONAL.....	1,157,513	0.074513%
1505-PITTSFIELD PUBLIC SCHOOLS.....	8,638,362	0.556082%
1515-PLAINVILLE PUBLIC SCHOOLS.....	1,179,985	0.075960%
1520-PLYMOUTH PUBLIC SCHOOLS.....	13,068,279	0.841252%
1530-PLYMPTON PUBLIC SCHOOLS.....	359,329	0.023131%
1540-ACCEPT EDUCATIONAL COLLABORATIVE.....	526,076	0.033865%
1550-PROVINCETOWN PUBLIC SCHOOLS.....	513,843	0.033078%
1556-QUABBIN REGIONAL SCHOOL.....	3,194,533	0.205643%
1560-QUABOAG REGIONAL SCHOOL DISTRICT.....	1,789,161	0.115175%
1565-QUINCY PUBLIC SCHOOLS.....	15,781,253	1.015895%
1566-QUINCY COLLEGE.....	898,250	0.057824%
1570-RALPH C. MAHAR REG. SCHOOL.....	1,175,554	0.075675%
1575-RANDOLPH PUBLIC SCHOOLS.....	5,749,289	0.370102%
1585-READING PUBLIC SCHOOLS.....	6,744,763	0.434184%
1590-READS COLLABORATIVE.....	875,332	0.056348%
1605-REVERE PUBLIC SCHOOLS.....	12,354,972	0.795333%
1610-RICHMOND PUBLIC SCHOOLS.....	355,579	0.022890%
1615-ROCHESTER PUBLIC SCHOOLS.....	835,622	0.053792%
1620-ROCKLAND PUBLIC SCHOOLS.....	3,684,117	0.237160%
1625-ROCKPORT PUBLIC SCHOOLS.....	1,828,204	0.117688%
1630-ROWE PUBLIC SCHOOLS.....	145,679	0.009378%
1645-SALEM PUBLIC SCHOOLS.....	8,460,165	0.544611%
1660-SANDWICH PUBLIC SCHOOLS.....	4,243,836	0.273191%
1665-SAUGUS PUBLIC SCHOOLS.....	4,118,376	0.265114%
1670-SAVOY PUBLIC SCHOOLS.....	90,647	0.005835%
1675-SCITUATE PUBLIC SCHOOLS.....	5,798,006	0.373238%
1680-SEEKONK PUBLIC SCHOOLS.....	3,588,660	0.231015%
1685-SEEM COLLABORATIVE.....	1,858,664	0.119649%
1690-SHARON PUBLIC SCHOOLS.....	6,722,296	0.432738%
1695-SHAWSHEEN VALLEY VOC.....	3,151,170	0.202852%
1700-SHERBORN PUBLIC SCHOOLS.....	871,001	0.056069%
1710-SHORE COLLABORATIVE.....	1,141,002	0.073450%
1715-SHREWSBURY PUBLIC SCHOOLS.....	9,297,105	0.598488%
1720-SHUTESBURY PUBLIC SCHOOLS.....	268,179	0.017264%
1725-SILVER LAKE REGIONAL SCHOOL DIST.....	3,167,900	0.203929%
1730-SOMERSET PUBLIC SCHOOLS.....	2,504,073	0.161196%
1735-SOMERVILLE PUBLIC SCHOOLS.....	10,662,040	0.686353%

**MASSACHUSETTS TEACHERS' RETIREMENT SYSTEM**  
**SUPPLEMENTAL SCHEDULE OF EMPLOYER ALLOCATIONS OF SPECIAL FUNDING AMOUNTS**  
As of and for the fiscal year ended June 30, 2020  
(Unaudited)

Employer	Commonwealth Pension Support Provided	Employer Allocation Percentage
1745-SOUTH HADLEY PUBLIC SCHOOLS.....	2,733,783	0.175983%
1750-SOUTH MIDDLESEX REGIONAL VOC.....	1,821,832	0.117278%
1755-SOUTH SHORE REGIONAL SCHOOL DIST.....	1,321,969	0.085100%
1760-SOUTH SHORE EDUCATIONAL COLLABORATIVE.....	2,138,319	0.137651%
1765-SOUTHERN WORCESTER COUNTY REGIONAL SCH.....	2,331,346	0.150077%
1770-SOUTHAMPTON PUBLIC SCHOOLS.....	677,725	0.043628%
1775-SOUTHBOROUGH PUBLIC SCHOOLS.....	2,756,178	0.177425%
1780-SOUTHBRIDGE PUBLIC SCHOOLS.....	2,959,033	0.190483%
1785-SOUTHEASTERN REGIONAL VOC. SCHOOL DIST.....	2,795,251	0.179940%
1790-SOUTHEASTERN MASS. COLLAB.....	353,057	0.022728%
1795-SOUTHERN BERKSHIRE REGIONAL.....	1,402,316	0.090272%
1800-SOUTHERN WORCESTER CO. ED. COLLAB.....	567,582	0.036537%
1805-SOUTHWICK-TOLLAND REGIONAL.....	2,440,649	0.157113%
1810-NORTH SHORE EDUCATION CONSORTIUM.....	2,113,759	0.136070%
1820-SPENCER-EAST BROOKFIELD PUBLIC SCHOOLS.....	2,095,117	0.134870%
1825-SPRINGFIELD PUBLIC SCHOOLS.....	37,789,653	2.432654%
1835-STONEHAM PUBLIC SCHOOLS.....	4,035,382	0.259772%
1840-STOUGHTON PUBLIC SCHOOLS.....	6,546,882	0.421446%
1850-STURBRIDGE PUBLIC SCHOOL.....	1,452,395	0.093496%
1855-SUDBURY PUBLIC SCHOOLS.....	5,260,962	0.338667%
1860-SUNDERLAND PUBLIC SCHOOLS.....	364,534	0.023466%
1865-SUTTON PUBLIC SCHOOLS.....	2,177,960	0.140203%
1870-SWAMPSCOTT PUBLIC SCHOOLS.....	3,929,524	0.252957%
1875-SWANSEA PUBLIC SCHOOLS.....	3,078,650	0.198184%
1880-TANTASQUA REGIONAL HIGH SCHOOL.....	2,921,919	0.188094%
1885-TAUNTON PUBLIC SCHOOLS.....	11,722,449	0.754616%
1890-TECH. COLLAB. THE ED. COOPERATIVE.....	549,827	0.035394%
1895-TEWKSBURY PUBLIC SCHOOLS.....	5,455,278	0.351176%
1900-TISBURY PUBLIC SCHOOLS.....	821,935	0.052911%
1905-TOPSFIELD PUBLIC SCHOOLS.....	1,217,779	0.078393%
1910-TRI-COUNTY REGIONAL VOC.....	2,174,800	0.140000%
1915-TRITON PUBLIC SCHOOLS.....	4,222,912	0.271844%
1920-TRURO PUBLIC SCHOOLS.....	374,460	0.024105%
1925-TYNGSBOROUGH PUBLIC SCHOOLS.....	2,849,634	0.183441%
1935-UPPER CAPE COD VOC. SCHOOL.....	1,530,000	0.098492%
1936-UP ISLAND REGIONAL SCHOOL.....	1,001,031	0.064440%
1940-UXBRIDGE PUBLIC SCHOOLS.....	2,483,449	0.159868%
1950-WACHUSETT REGIONAL SCHOOL DIST.....	9,897,817	0.637158%
1955-WAKEFIELD PUBLIC SCHOOLS.....	5,856,598	0.377010%
1960-WALES PUBLIC SCHOOLS.....	219,700	0.014143%
1965-WALPOLE PUBLIC SCHOOLS.....	6,896,554	0.443956%
1970-WALTHAM PUBLIC SCHOOLS.....	12,259,263	0.789172%
1975-WARE PUBLIC SCHOOLS.....	1,656,497	0.106635%
1980-WAREHAM PUBLIC SCHOOLS.....	3,887,479	0.250251%
2000-WATERTOWN PUBLIC SCHOOLS.....	6,214,162	0.400028%

**MASSACHUSETTS TEACHERS' RETIREMENT SYSTEM**  
**SUPPLEMENTAL SCHEDULE OF EMPLOYER ALLOCATIONS OF SPECIAL FUNDING AMOUNTS**  
As of and for the fiscal year ended June 30, 2020  
(Unaudited)

Employer	Commonwealth Pension Support Provided	Employer Allocation Percentage
2005-WAYLAND PUBLIC SCHOOLS.....	5,812,622	0.374179%
2010-WEBSTER PUBLIC SCHOOLS.....	2,801,817	0.180363%
2015-WELLESLEY PUBLIC SCHOOLS.....	11,550,990	0.743578%
2020-WELLFLEET PUBLIC SCHOOLS.....	274,175	0.017650%
2025-WEST BOYLSTON PUBLIC SCHOOLS.....	1,682,291	0.108295%
2030-WEST BRIDGEWATER PUBLIC SCHOOLS.....	1,918,072	0.123473%
2045-WEST SPRINGFIELD PUBLIC SCHOOLS.....	6,416,055	0.413024%
2055-WESTBOROUGH PUBLIC SCHOOLS.....	7,243,494	0.466289%
2060-WESTFIELD PUBLIC SCHOOLS.....	7,817,535	0.503242%
2065-WESTFORD PUBLIC SCHOOLS.....	8,489,902	0.546525%
2070-WESTHAMPTON PUBLIC SCHOOLS.....	234,228	0.015078%
2080-WESTON PUBLIC SCHOOLS.....	5,371,807	0.345802%
2085-WESTPORT PUBLIC SCHOOLS.....	2,485,832	0.160022%
2090-WESTWOOD PUBLIC SCHOOLS.....	6,452,576	0.415375%
2095-WEYMOUTH PUBLIC SCHOOLS.....	9,995,107	0.643421%
2100-WHALEY PUBLIC SCHOOLS.....	240,263	0.015467%
2110-WHITMAN-HANSON REGIONAL.....	5,293,516	0.340762%
2120-WILLIAMSBURG PUBLIC SCHOOLS.....	283,951	0.018279%
2130-WILMINGTON PUBLIC SCHOOLS.....	5,916,183	0.380846%
2135-WINCENDON PUBLIC SCHOOLS.....	1,822,345	0.117311%
2140-WINCHESTER PUBLIC SCHOOLS.....	8,266,981	0.532175%
2145-WINTHROP PUBLIC SCHOOLS.....	2,965,361	0.190891%
2150-WHITTIER VOC. SCHOOL DIST.....	2,623,284	0.168870%
2155-WOBURN PUBLIC SCHOOLS.....	8,361,766	0.538277%
2160-WORCESTER PUBLIC SCHOOLS.....	41,664,555	2.682095%
2162-MASS ACADEMY OF MATH AND SCIENCE.....	138,664	0.008926%
2164-WORTHINGTON PUBLIC SCHOOLS.....	105,695	0.006804%
2165-WRENTHAM PUBLIC SCHOOLS.....	1,646,701	0.106004%
2200-AYER SHIRLEY REGIONAL.....	2,499,355	0.160892%
2205-SOMERSET-BERKLEY REGIONAL.....	1,604,514	0.103288%
2210-MONOMOY REGIONAL SCHOOL DISTRICT.....	3,631,231	0.233755%
2215-ESSEX NORTH SHORE AGRICULTURAL & TECHNICAL.....	2,785,465	0.179310%
3000-MASS VIRTUAL ACADEMY AT GREENFIELD.....	710,633	0.045746%
3005-TECCA VIRTUAL SCHOOL.....	1,350,944	0.086965%
4005-COMMUNITY DAY CHARTER SCHOOL.....	673,118	0.043331%
4010-CITY ON A HILL CHARTER SCHOOL.....	465,816	0.029986%
4015-ATLANTIS CHARTER SCHOOL.....	1,417,833	0.091271%
4020-CAPE COD LIGHTHOUSE CHARTER SCHOOL.....	460,058	0.029616%
4025-HILLTOWN COOPERATIVE CHARTER SCHOOL.....	336,841	0.021684%
4030-BENJAMIN FRANKLIN CLASSICAL CHARTER SCH.....	890,743	0.057340%
4035-SOUTH SHORE CHARTER SCHOOL.....	1,710,251	0.110095%
4040-LOWELL MIDDLESEX ACADEMY CHARTER SCH.....	160,215	0.010314%
4055-BOSTON RENAISSANCE CHARTER SCHOOL.....	1,671,206	0.107581%
4060-MARBLEHEAD COMMUNITY CHARTER SCHOOL.....	316,949	0.020403%
4065-FRANCIS W. PARKER CHARTER SCHOOL.....	636,606	0.040981%

**MASSACHUSETTS TEACHERS' RETIREMENT SYSTEM**  
 SUPPLEMENTAL SCHEDULE OF EMPLOYER ALLOCATIONS OF SPECIAL FUNDING AMOUNTS  
 As of and for the fiscal year ended June 30, 2020  
 (Unaudited)

Employer	Commonwealth Pension Support Provided	Employer Allocation Percentage
4070-NEIGHBORHOOD HOUSE CHARTER SCHOOL.....	1,328,450	0.085517%
4075-ACADEMY OF THE PACIFIC RIM CHARTER SCH.....	970,693	0.062487%
4080-BENJAMIN BANNEKER CHARTER SCHOOL.....	496,103	0.031936%
4090-LAWRENCE FAMILY DEVELOPMENT CHARTER SCH.....	961,935	0.061923%
4095-MARTHA'S VINEYARD CHARTER SCHOOL.....	414,972	0.026713%
4105-SABIS INTERNATIONAL CHARTER SCHOOL.....	1,480,297	0.095292%
4115-PIONEER VALLEY PERFORMING ARTS CHARTER.....	662,998	0.042680%
4120-PROSPECT HILL ACADEMY CHARTER SCHOOL.....	2,235,981	0.143938%
4125-SEVEN HILLS CHARTER SCHOOL.....	840,019	0.054075%
4140-ABBY KELLEY FOSTER REGIONAL CHARTER.....	1,887,631	0.121514%
4145-MYSTIC VALLEY REGIONAL CHARTER SCHOOL.....	1,603,429	0.103218%
4150-FOXBORO REGIONAL CHARTER SCHOOL.....	2,006,370	0.129157%
4165-RISING TIDE CHARTER.....	982,695	0.063260%
4170-BOSTON COLLEGIATE CHARTER SCHOOL.....	1,385,723	0.089204%
4175-STURGIS CHARTER SCHOOL.....	1,711,927	0.110203%
4180-RIVER VALLEY CHARTER SCHOOL.....	409,774	0.026379%
4200-CONSERVATORY LAB CHARTER SCHOOL.....	693,008	0.044611%
4205-ROXBURY PREPARATORY CHARTER.....	2,525,192	0.162556%
4210-MEDIA & TECH CHARTER HIGH SCH.....	2,822,612	0.181702%
4225-CODMAN ACADEMY CHARTER SCHOOL.....	778,286	0.050101%
4235-CHRISTA MCAULIFFE REG. CHARTER P.S.....	659,608	0.042461%
4240-NORTH CENTRAL CHARTER ESSENTIAL SCHOOL.....	564,755	0.036355%
4245-INNOVATION ACADEMY CHARTER SCHOOL.....	1,196,440	0.077019%
4250-EDWARD BROOKE CHARTER SCHOOL.....	3,831,349	0.246638%
4260-FOUR RIVER CHARTER PUBLIC SCHOOL.....	380,274	0.024480%
4265-BOSTON PREPARATORY CHARTER SCHOOL.....	1,241,465	0.079917%
4270-EXCEL ACADEMY CHARTER SCHOOL.....	2,383,259	0.153419%
4275-SALEM ACADEMY CHARTER SCHOOL.....	858,171	0.055244%
4285-BERKSHIRE ARTS AND TECHNOLOGY CHARTER.....	555,865	0.035783%
4290-HELEN Y. DAVIS LEADERSHIP ACADEMY CHARTER PUBLIC.....	319,458	0.020565%
4295-HILLVIEW MONTESSORI CHARTER SCHOOL.....	368,941	0.023750%
4300-KIPP ACADEMY LYNN CHARTER SCHOOL.....	2,620,743	0.168707%
4305-ADVANCED MATH & SCIENCE ACADEMY CHARTER SCHOOL.....	1,403,294	0.090335%
4310-COMMUNITY CHARTER SCHOOL OF CAMBRIDGE.....	676,007	0.043517%
4315-HOLYOKE COMMUNITY CHARTER SCHOOL.....	732,650	0.047163%
4320-MARTIN LUTHER KING JR. CHARTER SCHOOL.....	596,991	0.038430%
4325-PHOENIX CHARTER ACADEMY.....	390,987	0.025169%
4330-PIONEER VALLEY CHINESE IMMERSION CHARTER.....	1,039,118	0.066892%
4420-LOWELL COMMUNITY CHARTER SCHOOL.....	1,085,227	0.069860%
4425-PIONEER CHARTER SCHOOL OF SCIENCE.....	1,099,931	0.070806%
4430-GLOBAL LEARNING CHARTER PUBLIC SCHOOL.....	681,220	0.043853%
4440-HAMPDEN CHARTER SCHOOL OF SCIENCE - EAST.....	667,739	0.042985%
4510-ALMA DEL MAR CHARTER SCHOOL.....	874,130	0.056271%
4515-BRIDGE BOSTON CHARTER SCHOOL.....	699,370	0.045021%
4550-VERITAS PREPARATORY CHARTER SCHOOL.....	717,786	0.046206%

**MASSACHUSETTS TEACHERS' RETIREMENT SYSTEM**  
 SUPPLEMENTAL SCHEDULE OF EMPLOYER ALLOCATIONS OF SPECIAL FUNDING AMOUNTS  
 As of and for the fiscal year ended June 30, 2020  
 (Unaudited)

Employer	Commonwealth Pension Support Provided	Employer Allocation Percentage
4565-CDCPS-GATEWAY.....	559,311	0.036005%
4570-CDCPS-R KINGMAN WEBSTER.....	493,527	0.031770%
4575-KIPP ACADEMY BOSTON CHARTER SCHOOL.....	929,537	0.059838%
4580-PAULO FREIRE SOCIAL JUSTICE CHARTER SCHOOL.....	424,449	0.027323%
4585-CITY ON A HILL CHARTER 2.....	317,003	0.020407%
4590-CITY ON A HILL CHARTER - NEW BEDFORD.....	200,837	0.012929%
4595-PIONEER CHARTER SCHOOL OF SCIENCE II.....	475,861	0.030633%
4600-THE LOWELL COLLEGIATE CHARTER SCHOOL.....	652,610	0.042011%
4605-BAY STATE ACADEMY CHARTER PUBLIC SCHOOL.....	754,210	0.048551%
4610-PHOENIX CHARTER ACADEMY SPRINGFIELD.....	229,554	0.014777%
4615-ARGOSY COLLEGIATE CHARTER SCHOOL.....	717,526	0.046190%
4620-SPRINGFIELD PREPARATORY CHARTER SCHOOL.....	441,947	0.028450%
4625-NEW HEIGHTS CHARTER OF BROCKTON.....	968,127	0.062322%
4630-LIBERTAS ACADEMY CHARTER SCHOOL.....	438,383	0.028220%
4635-OLD STURBRIDGE ACADEMY CHARTER PS.....	220,278	0.014180%
4640-MAP ACADEMY CHARTER SCHOOL.....	250,945	0.016154%
4645-HAMPDEN CHARTER SCHOOL OF SCIENCE - WEST.....	299,258	0.019264%
4650-PHOENIX ACADEMY PUBLIC CHARTER HS LAWERENCE.....	225,913	0.014543%
Totals.....	<u>\$ 1,553,433,000</u>	<u>100.000000%</u>

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, 2020  
(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.....	\$ 55,568,585	\$ 6,863,516
0110-ACTON-BOXBOROUGH REGIONAL SCHOOL.....	168,052,248	20,756,860
0115-ACUSHNET PUBLIC SCHOOLS.....	24,720,914	3,053,387
0120-ADAMS-CHESHIRE REGIONAL SCHOOLS.....	30,667,655	3,787,895
0125-AGAWAM PUBLIC SCHOOLS.....	119,461,804	14,755,244
0130-AMESBURY PUBLIC SCHOOLS.....	64,405,804	7,955,039
0135-AMHERST PUBLIC SCHOOLS.....	47,125,373	5,820,659
0140-AMHERST-PELHAM REGIONAL SCHOOL DISTRICT.....	47,423,333	5,857,461
0145-ANDOVER PUBLIC SCHOOLS.....	211,724,479	26,151,006
0150-ARLINGTON PUBLIC SCHOOLS.....	173,127,101	21,383,677
0160-ASHBURNHAM-WESTMINSTER REGIONAL SCHOOL.....	57,419,095	7,092,081
0170-ASHLAND PUBLIC SCHOOLS.....	83,331,052	10,292,579
0175-ASSABET VALLEY REGIONAL VOCATIONAL SCH.....	46,615,650	5,757,701
0180-ASSABET VALLEY COLLABORATIVE SCHOOL.....	15,308,931	1,890,872
0185-ATHOL-ROYALSTON REGIONAL SCHOOL.....	38,821,116	4,794,964
0190-ATTLEBORO PUBLIC SCHOOLS.....	157,536,165	19,457,973
0195-AUBURN PUBLIC SCHOOLS.....	69,292,180	8,558,577
0200-AVON PUBLIC SCHOOLS.....	24,677,925	3,048,077
0210-BARNSTABLE PUBLIC SCHOOLS.....	162,192,065	20,033,044
0220-BEDFORD PUBLIC SCHOOLS.....	106,613,792	13,168,331
0225-BELCHERTOWN PUBLIC SCHOOLS.....	60,852,907	7,516,206
0230-BELLINGHAM PUBLIC SCHOOLS.....	64,622,062	7,981,750
0235-BELMONT PUBLIC SCHOOLS.....	126,150,097	15,581,344
0240-BERKLEY PUBLIC SCHOOLS.....	22,617,503	2,793,586
0245-BERKSHIRE HILLS REGIONAL SCHOOL DISTRICT.....	43,498,600	5,372,700
0250-BERLIN PUBLIC SCHOOLS.....	566,320	69,949
0255-BERLIN-BOYLSTON REGIONAL SCHOOL.....	32,859,996	4,058,680
0265-BEVERLY PUBLIC SCHOOLS.....	127,662,072	15,768,095
0270-BICOUNTY COLLABORATIVE.....	19,149,482	2,365,235
0275-BILLERICA PUBLIC SCHOOLS.....	169,136,685	20,890,804
0280-BLACKSTONE-MILLVILLE REGIONAL SCHOOL.....	43,346,193	5,353,876
0285-BLACKSTONE VALLEY REG. VOC.....	40,836,798	5,043,930
0300-BLUE HILLS REGIONAL TECH.....	34,669,331	4,282,159
0315-BOURNE PUBLIC SCHOOLS.....	58,302,009	7,201,133
0325-BOXFORD PUBLIC SCHOOLS.....	26,390,483	3,259,603
0330-BOYLSTON PUBLIC SCHOOLS.....	858,146	105,993
0335-BRAINTREE PUBLIC SCHOOLS.....	181,986,488	22,477,939
0340-BREWSTER PUBLIC SCHOOLS.....	15,075,789	1,862,076
0350-BRIDGewater-RAYNHAM REGIONAL SCHOOL.....	138,438,330	17,099,117
0355-BRIMFIELD PUBLIC SCHOOLS.....	8,917,202	1,101,402
0360-BRISTOL COUNTY AGRICULTURAL.....	13,566,348	1,675,638

**MASSACHUSETTS TEACHERS' RETIREMENT SYSTEM**  
 SUPPLEMENTAL SCHEDULE OF SPECIAL FUNDING AMOUNTS BY EMPLOYER  
 As of and for the fiscal year ended June 30, 2020  
 (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.....	44,316,681	5,473,745
0370-BROCKTON PUBLIC SCHOOLS.....	459,958,558	56,811,472
0375-BROOKFIELD PUBLIC SCHOOLS.....	8,051,091	994,425
0380-BROOKLINE PUBLIC SCHOOLS.....	327,729,685	40,479,311
0390-BURLINGTON PUBLIC SCHOOLS.....	141,577,478	17,486,847
0395-CAMBRIDGE PUBLIC SCHOOLS.....	364,502,531	45,021,285
0400-CANTON PUBLIC SCHOOLS.....	106,047,688	13,098,409
0410-CAPE COD REGIONAL SCHOOL DISTRICT.....	23,630,731	2,918,734
0415-CAPE COD COLLABORATIVE.....	11,233,579	1,387,508
0420-CAPS COLLABORATIVE.....	10,539,161	1,301,737
0425-CARLISLE PUBLIC SCHOOLS.....	28,057,622	3,465,518
0430-CARVER PUBLIC SCHOOLS.....	45,556,304	5,626,856
0435-CASE COLLABORATIVE.....	13,514,959	1,669,291
0440-CENTRAL BERKSHIRE REGIONAL.....	46,531,450	5,747,301
0445-CENTRAL MASS. SPEC. ED. COLLABORATIVE.....	29,235,398	3,610,990
0460-CHELMSFORD PUBLIC SCHOOLS.....	141,993,615	17,538,246
0465-CHELSEA PUBLIC SCHOOLS.....	160,425,999	19,814,909
0470-CHESTERFIELD-GOSHEN REGIONAL.....	4,644,805	573,700
0475-CHICOPEE PUBLIC SCHOOLS.....	207,707,696	25,654,876
0485-CLARKSBURG PUBLIC SCHOOLS.....	5,914,260	730,496
0490-CLINTON PUBLIC SCHOOLS.....	50,951,996	6,293,301
0495-COHASSET PUBLIC SCHOOLS.....	53,674,386	6,629,556
0500-CONCORD PUBLIC SCHOOLS.....	92,113,881	11,377,384
0505-CONCORD-CARLISLE REGIONAL SCHOOL.....	56,687,832	7,001,759
0510-CONWAY PUBLIC SCHOOLS.....	5,193,127	641,426
0515-SOUTH COAST ED. COLLABORATIVE (COOPC).....	27,586,450	3,407,322
0520-DANVERS PUBLIC SCHOOLS.....	115,272,678	14,237,827
0525-DARTMOUTH PUBLIC SCHOOLS.....	112,169,848	13,854,583
0530-DEDHAM PUBLIC SCHOOLS.....	114,181,282	14,103,024
0540-DEERFIELD PUBLIC SCHOOLS.....	11,444,624	1,413,575
0545-DENNIS-YARMOUTH REGIONAL SCHOOLS.....	107,565,146	13,285,837
0555-DIGHTON-REHOBOTH REGIONAL SCHOOL.....	81,561,069	10,073,960
0560-DOUGLAS PUBLIC SCHOOLS.....	34,678,487	4,283,290
0565-DOVER PUBLIC SCHOOLS.....	17,302,684	2,137,129
0570-DOVER-SHERBORN REGIONAL SCHOOL.....	52,805,976	6,522,295
0575-DRACUT PUBLIC SCHOOLS.....	73,091,195	9,027,810
0580-DUDLEY-CHARLTON REGIONAL SCHOOLS.....	97,581,803	12,052,751
0585-DUXBURY PUBLIC SCHOOLS.....	91,733,169	11,330,361
0590-EAST BRIDGEWATER PUBLIC SCHOOLS.....	57,268,771	7,073,514
0600-EAST LONGMEADOW PUBLIC SCHOOLS.....	78,309,359	9,672,328
0605-EASTHAM PUBLIC SCHOOLS.....	8,395,100	1,036,915



**MASSACHUSETTS TEACHERS' RETIREMENT SYSTEM**  
**SUPPLEMENTAL SCHEDULE OF SPECIAL FUNDING AMOUNTS BY EMPLOYER**  
As of and for the fiscal year ended June 30, 2020  
(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.....	36,514,711	4,510,090
0615-EASTON PUBLIC SCHOOLS.....	101,434,123	12,528,567
0617-EDCO COLLABORATIVE.....	8,178,378	1,010,147
0620-EDGARTOWN PUBLIC SCHOOLS.....	16,620,140	2,052,825
0625-ERVING PUBLIC SCHOOLS.....	6,876,031	849,288
0640-EVERETT PUBLIC SCHOOLS.....	211,761,561	26,155,587
0645-FAIRHAVEN PUBLIC SCHOOLS.....	52,272,220	6,456,368
0650-FALL RIVER PUBLIC SCHOOLS.....	280,825,037	34,685,915
0655-FALMOUTH PUBLIC SCHOOLS.....	116,204,203	14,352,884
0660-FITCHBURG PUBLIC SCHOOLS.....	142,042,539	17,544,289
0665-FLLAC COLLABORATIVE.....	12,828,390	1,584,490
0670-FLORIDA PUBLIC SCHOOLS.....	2,828,046	349,304
0675-FOXBOROUGH PUBLIC SCHOOLS.....	88,454,653	10,925,417
0680-FRAMINGHAM PUBLIC SCHOOLS.....	310,494,304	38,350,495
0685-FRANKLIN PUBLIC SCHOOLS.....	161,364,649	19,930,846
0690-FRANKLIN COUNTY REGIONAL SCHOOL DISTRICT.....	20,561,314	2,539,617
0700-FREETOWN-LAKEVILLE REGIONAL SCHOOLS.....	68,197,193	8,423,330
0705-FRONTIER REGIONAL SCHOOL DISTRICT.....	19,890,652	2,456,781
0710-GARDNER PUBLIC SCHOOLS.....	59,865,036	7,394,190
0715-GATEWAY REGIONAL SCHOOL.....	26,734,647	3,302,112
0725-GEORGETOWN PUBLIC SCHOOLS.....	40,537,309	5,006,938
0730-GILL-MONTAGUE REGIONAL.....	29,647,063	3,661,837
0735-GLOUCESTER PUBLIC SCHOOLS.....	93,419,169	11,538,606
0745-GOSNOLD PUBLIC SCHOOLS.....	169,534	20,940
0750-GRAFTON PUBLIC SCHOOLS.....	85,160,047	10,518,486
0755-GRANBY PUBLIC SCHOOLS.....	22,414,769	2,768,545
0765-DIMAN REGIONAL VOC.....	53,846,599	6,650,826
0770-GREATER LAWRENCE REGIONAL.....	61,770,298	7,629,517
0775-CREST.....	17,858,265	2,205,752
0780-GREATER LOWELL REGIONAL.....	78,701,508	9,720,764
0785-GREATER NEW BEDFORD REGIONAL VOC.....	75,299,326	9,300,546
0795-GREENFIELD PUBLIC SCHOOLS.....	46,156,678	5,701,011
0800-GROTON-DUNSTABLE REGIONAL.....	75,081,347	9,273,622
0810-HADLEY PUBLIC SCHOOLS.....	16,659,101	2,057,638
0815-HALIFAX PUBLIC SCHOOLS.....	13,804,917	1,705,105
0820-HAMILTON-WENHAM REGIONAL.....	63,796,379	7,879,767
0830-HAMPDEN-WILBRAHAM REGIONAL.....	86,671,551	10,705,178
0835-HAMPSHIRE REGIONAL SCHOOL.....	25,589,125	3,160,624
0840-COLLABORATIVE FOR EDUCATIONAL SERVICES.....	60,153,371	7,429,803
0845-HANCOCK PUBLIC SCHOOLS.....	1,758,086	217,149
0850-HANOVER PUBLIC SCHOOLS.....	84,195,191	10,399,312

**MASSACHUSETTS TEACHERS' RETIREMENT SYSTEM**  
 SUPPLEMENTAL SCHEDULE OF SPECIAL FUNDING AMOUNTS BY EMPLOYER  
 As of and for the fiscal year ended June 30, 2020  
 (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.....	38,061,610	4,701,154
0875-HATFIELD PUBLIC SCHOOLS.....	13,206,481	1,631,190
0880-HAVERHILL PUBLIC SCHOOLS.....	201,387,819	24,874,281
0885-HAWLEMONT REGIONAL.....	4,461,717	551,086
0895-HINGHAM PUBLIC SCHOOLS.....	139,416,472	17,219,932
0900-HOLBROOK PUBLIC SCHOOLS.....	33,540,496	4,142,732
0910-HOLLAND PUBLIC SCHOOLS.....	6,052,088	747,520
0915-HOLLISTON PUBLIC SCHOOLS.....	90,445,127	11,171,269
0920-HOLYOKE PUBLIC SCHOOLS.....	131,035,210	16,184,726
0925-HOPEDALE PUBLIC SCHOOLS.....	33,858,590	4,182,021
0930-HOPKINTON PUBLIC SCHOOLS.....	119,788,284	14,795,569
0940-HUDSON PUBLIC SCHOOLS.....	93,767,414	11,581,619
0945-HULL PUBLIC SCHOOLS.....	32,707,650	4,039,863
0950-IPSWICH PUBLIC SCHOOLS.....	59,735,218	7,378,155
0955-KING PHILIP REGIONAL.....	52,577,438	6,494,067
0960-KINGSTON PUBLIC SCHOOLS.....	21,954,184	2,711,656
0965-LABBB COLLABORATIVE.....	29,940,610	3,698,094
0985-LAWRENCE PUBLIC SCHOOLS.....	366,256,766	45,237,958
0990-LEE PUBLIC SCHOOLS.....	24,110,965	2,978,050
0995-LEICESTER PUBLIC SCHOOLS.....	40,683,119	5,024,948
1000-LENOX PUBLIC SCHOOLS.....	28,943,182	3,574,898
1005-LEOMINSTER PUBLIC SCHOOLS.....	153,191,440	18,921,338
1010-LEVERETT PUBLIC SCHOOLS.....	4,606,269	568,940
1015-LEXINGTON PUBLIC SCHOOLS.....	282,233,131	34,859,835
1025-LINCOLN PUBLIC SCHOOLS.....	59,869,615	7,394,755
1030-LINCOLN-SUDBURY REGIONAL.....	65,001,413	8,028,606
1035-LITTLETON PUBLIC SCHOOLS.....	46,908,114	5,793,824
1040-LONGMEADOW PUBLIC SCHOOLS.....	88,596,758	10,942,969
1045-LOWELL PUBLIC SCHOOLS.....	413,578,089	51,082,819
1050-LOWER PIONEER COLLAB.....	13,563,929	1,675,339
1055-LUDLOW PUBLIC SCHOOLS.....	80,021,196	9,883,764
1060-LUNENBURG PUBLIC SCHOOLS.....	42,870,414	5,295,110
1065-LYNN PUBLIC SCHOOLS.....	432,642,091	53,437,496
1070-LYNNFIELD PUBLIC SCHOOLS.....	70,253,620	8,677,329
1075-MALDEN PUBLIC SCHOOLS.....	189,381,237	23,391,296
1082-MANCHESTER ESSEX REGIONAL SCHOOL.....	54,855,177	6,775,400
1085-MANSFIELD PUBLIC SCHOOLS.....	126,150,553	15,581,401
1090-MARBLEHEAD PUBLIC SCHOOLS.....	100,882,015	12,460,374
1095-MARION PUBLIC SCHOOLS.....	13,866,025	1,712,653
1100-MARTHA'S VINEYARD PUBLIC SCHOOLS.....	45,876,969	5,666,463
1105-MARSHFIELD PUBLIC SCHOOLS.....	125,101,594	15,451,839

**MASSACHUSETTS TEACHERS' RETIREMENT SYSTEM**  
**SUPPLEMENTAL SCHEDULE OF SPECIAL FUNDING AMOUNTS BY EMPLOYER**  
As of and for the fiscal year ended June 30, 2020  
(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.....	156,525,186	19,333,103
1115-MASCONOMET REGIONAL SCHOOL.....	67,035,492	8,279,844
1120-MASHPEE PUBLIC SCHOOLS.....	56,177,443	6,938,719
1125-MATTAPOISETT PUBLIC SCHOOLS.....	15,126,847	1,868,382
1130-MAYNARD PUBLIC SCHOOLS.....	44,328,949	5,475,260
1135-MEDFIELD PUBLIC SCHOOLS.....	94,400,113	11,659,766
1140-MEDFORD PUBLIC SCHOOLS.....	166,428,836	20,556,346
1145-MEDWAY PUBLIC SCHOOLS.....	67,657,304	8,356,646
1150-MELROSE PUBLIC SCHOOLS.....	98,704,791	12,191,456
1155-MENDON-UPTON REGIONAL SCHOOL DISTRICT.....	59,894,696	7,397,853
1165-VALLEY COLLABORATIVE SCHOOL.....	23,205,036	2,866,154
1170-METHUEN PUBLIC SCHOOLS.....	186,118,391	22,988,288
1175-MIDDLEBOROUGH PUBLIC SCHOOLS.....	82,818,404	10,229,259
1180-MIDDLETON PUBLIC SCHOOLS.....	25,497,070	3,149,253
1185-MILFORD PUBLIC SCHOOLS.....	132,292,775	16,340,053
1190-MILLBURY PUBLIC SCHOOLS.....	50,924,766	6,289,938
1195-MILLIS PUBLIC SCHOOLS.....	41,648,847	5,144,229
1200-MILTON PUBLIC SCHOOLS.....	132,846,983	16,408,506
1205-MINUTEMAN REGIONAL VOCATIONAL SCHOOL.....	37,310,529	4,608,385
1210-MOHAWK TRAIL REGIONAL SCHOOL.....	30,171,151	3,726,569
1215-MONROE PUBLIC SCHOOLS.....	11,018	1,361
1220-MONSON PUBLIC SCHOOLS.....	26,760,347	3,305,286
1225-MONTACHUSETT REGIONAL VOCATIONAL SCHOOL.....	45,803,191	5,657,350
1230-MOUNT GREYLOCK REGIONAL SCHOOL.....	38,343,088	4,735,921
1235-NAHANT PUBLIC SCHOOLS.....	3,512,966	433,902
1240-NANTUCKET PUBLIC SCHOOLS.....	66,802,053	8,251,011
1245-NARRAGANSETT REGIONAL SCHOOL DISTRICT.....	34,569,348	4,269,810
1250-NASHOBA REGIONAL SCHOOL DISTRICT.....	112,161,179	13,853,513
1255-NASHOBA VALLEY TECH.....	28,878,796	3,566,945
1260-NATICK PUBLIC SCHOOLS.....	203,214,540	25,099,907
1265-NAUSET REGIONAL SCHOOL.....	61,495,410	7,595,564
1275-NEEDHAM PUBLIC SCHOOLS.....	202,510,698	25,012,972
1285-NEW BEDFORD PUBLIC SCHOOLS.....	343,905,733	42,477,285
1295-NEW SALEM-WENDELL REGIONAL SCHOOL.....	6,010,188	742,344
1305-NEWBURYPORT PUBLIC SCHOOLS.....	76,118,836	9,401,767
1310-NEWTON PUBLIC SCHOOLS.....	480,181,789	59,309,330
1315-NORFOLK PUBLIC SCHOOLS.....	31,584,268	3,901,110
1320-NORFOLK COUNTY AGRICULTURAL SCHOOL.....	21,953,633	2,711,588
1325-NORTH ADAMS PUBLIC SCHOOLS.....	41,896,739	5,174,847
1330-NORTH ANDOVER PUBLIC SCHOOLS.....	124,232,797	15,344,530
1335-NORTH ATTLEBORO PUBLIC SCHOOLS.....	119,514,087	14,761,702

**MASSACHUSETTS TEACHERS' RETIREMENT SYSTEM**  
**SUPPLEMENTAL SCHEDULE OF SPECIAL FUNDING AMOUNTS BY EMPLOYER**  
As of and for the fiscal year ended June 30, 2020  
(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.....	14,924,418	1,843,379
1345-NORTH MIDDLESEX REGIONAL SCHOOL.....	88,216,835	10,896,043
1350-NORTH READING PUBLIC SCHOOLS.....	81,740,563	10,096,131
1355-NORTH RIVER COLLABORATIVE SCHOOL.....	13,984,506	1,727,287
1365-NORTHAMPTON PUBLIC SCHOOLS.....	96,585,371	11,929,677
1370-NORTHBOROUGH PUBLIC SCHOOLS.....	61,375,265	7,580,725
1375-NORTHBORO-SOUTHBORO REGIONAL SCHOOL.....	51,202,679	6,324,264
1380-NORTHBRIDGE PUBLIC SCHOOLS.....	57,911,109	7,152,852
1385-NORTHEAST METRO REGIONAL VOCATIONAL SCH.....	47,323,604	5,845,143
1390-NORTHERN BERKSHIRE REGIONAL VOC. SCH.....	18,354,206	2,267,007
1400-NORTON PUBLIC SCHOOLS.....	75,035,844	9,268,002
1405-NORWELL PUBLIC SCHOOLS.....	73,524,137	9,081,284
1410-NORWOOD PUBLIC SCHOOLS.....	117,089,093	14,462,180
1415-OAK BLUFFS PUBLIC SCHOOLS.....	18,048,454	2,229,243
1425-OLD COLONY VOCATIONAL SCHOOL.....	21,631,141	2,671,756
1430-OLD ROCHESTER REGIONAL SCHOOL.....	34,221,557	4,226,853
1435-ORANGE PUBLIC SCHOOLS.....	14,202,675	1,754,234
1440-ORLEANS PUBLIC SCHOOLS.....	9,829,387	1,214,070
1445-FARMINGTON RIVER PUBLIC SCHOOLS.....	4,210,048	520,001
1450-OXFORD PUBLIC SCHOOLS.....	41,671,928	5,147,080
1455-PALMER PUBLIC SCHOOLS.....	38,951,127	4,811,022
1460-PATHFINDER REGIONAL VOC.....	27,260,983	3,367,122
1470-PEABODY PUBLIC SCHOOLS.....	163,964,179	20,251,925
1475-PELHAM PUBLIC SCHOOLS.....	4,020,657	496,609
1480-PEMBROKE PUBLIC SCHOOLS.....	81,608,831	10,079,860
1485-PENTUCKET REGIONAL SCHOOL.....	71,136,387	8,786,363
1490-PETERSHAM CENTER SCHOOL.....	2,635,453	325,516
1495-PILGRIM AREA COLLABORATIVE.....	13,329,378	1,646,369
1500-PIONEER VALLEY REGIONAL.....	21,269,677	2,627,110
1505-PITTSFIELD PUBLIC SCHOOLS.....	158,732,747	19,605,768
1515-PLAINVILLE PUBLIC SCHOOLS.....	21,682,620	2,678,114
1520-PLYMOUTH PUBLIC SCHOOLS.....	240,133,930	29,659,981
1530-PLYMPTON PUBLIC SCHOOLS.....	6,602,787	815,539
1540-ACCEPT EDUCATIONAL COLLABORATIVE.....	9,666,825	1,193,991
1550-PROVINCETOWN PUBLIC SCHOOLS.....	9,442,042	1,166,227
1556-QUABBIN REGIONAL SCHOOL.....	58,700,601	7,250,365
1560-QUABOAG REGIONAL SCHOOL DISTRICT.....	32,876,423	4,060,709
1565-QUINCY PUBLIC SCHOOLS.....	289,985,740	35,817,393
1566-QUINCY COLLEGE.....	16,505,634	2,038,682
1570-RALPH C. MAHAR REG. SCHOOL.....	21,601,201	2,668,058
1575-RANDOLPH PUBLIC SCHOOLS.....	105,645,085	13,048,682

**MASSACHUSETTS TEACHERS' RETIREMENT SYSTEM**  
**SUPPLEMENTAL SCHEDULE OF SPECIAL FUNDING AMOUNTS BY EMPLOYER**  
As of and for the fiscal year ended June 30, 2020  
(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.....	123,937,246	15,308,025
1590-READS COLLABORATIVE.....	16,084,520	1,986,669
1605-REVERE PUBLIC SCHOOLS.....	227,026,690	28,041,049
1610-RICHMOND PUBLIC SCHOOLS.....	6,533,873	807,027
1615-ROCHESTER PUBLIC SCHOOLS.....	15,354,830	1,896,541
1620-ROCKLAND PUBLIC SCHOOLS.....	67,696,870	8,361,533
1625-ROCKPORT PUBLIC SCHOOLS.....	33,593,860	4,149,323
1630-ROWE PUBLIC SCHOOLS.....	2,676,903	330,636
1645-SALEM PUBLIC SCHOOLS.....	155,458,332	19,201,331
1660-SANDWICH PUBLIC SCHOOLS.....	77,981,884	9,631,880
1665-SAUGUS PUBLIC SCHOOLS.....	75,676,512	9,347,133
1670-SAVOY PUBLIC SCHOOLS.....	1,665,664	205,733
1675-SCITUATE PUBLIC SCHOOLS.....	106,540,276	13,159,250
1680-SEEKONK PUBLIC SCHOOLS.....	65,942,820	8,144,883
1685-SEEM COLLABORATIVE.....	34,153,568	4,218,455
1690-SHARON PUBLIC SCHOOLS.....	123,524,412	15,257,035
1695-SHAWSHEEN VALLEY VOC.....	57,903,790	7,151,948
1700-SHERBORN PUBLIC SCHOOLS.....	16,004,937	1,976,839
1710-SHORE COLLABORATIVE.....	20,966,292	2,589,637
1715-SHREWSBURY PUBLIC SCHOOLS.....	170,837,373	21,100,863
1720-SHUTESBURY PUBLIC SCHOOLS.....	4,927,873	608,663
1725-SILVER LAKE REGIONAL SCHOOL DIST.....	58,211,213	7,189,919
1730-SOMERSET PUBLIC SCHOOLS.....	46,013,163	5,683,285
1735-SOMERVILLE PUBLIC SCHOOLS.....	195,918,508	24,198,743
1745-SOUTH HADLEY PUBLIC SCHOOLS.....	50,234,168	6,204,639
1750-SOUTH MIDDLESEX REGIONAL VOC.....	33,476,764	4,134,860
1755-SOUTH SHORE REGIONAL SCHOOL DIST.....	24,291,622	3,000,363
1760-SOUTH SHORE EDUCATIONAL COLLABORATIVE.....	39,292,311	4,853,163
1765-SOUTHERN WORCESTER COUNTY REGIONAL SCH.....	42,839,244	5,291,260
1770-SOUTHAMPTON PUBLIC SCHOOLS.....	12,453,423	1,538,176
1775-SOUTHBOROUGH PUBLIC SCHOOLS.....	50,645,674	6,255,466
1780-SOUTHBRIDGE PUBLIC SCHOOLS.....	54,373,201	6,715,869
1785-SOUTHEASTERN REGIONAL VOC. SCHOOL DIST.....	51,363,663	6,344,148
1790-SOUTHEASTERN MASS. COLLAB.....	6,487,540	801,304
1795-SOUTHERN BERKSHIRE REGIONAL.....	25,768,018	3,182,719
1800-SOUTHERN WORCESTER CO. ED. COLLAB.....	10,429,511	1,288,194
1805-SOUTHWICK-TOLLAND REGIONAL.....	44,847,732	5,539,337
1810-NORTH SHORE EDUCATION CONSORTIUM.....	38,841,012	4,797,421
1820-SPENCER-EAST BROOKFIELD PUBLIC SCHOOLS.....	38,498,475	4,755,113
1825-SPRINGFIELD PUBLIC SCHOOLS.....	694,397,343	85,768,020
1835-STONEHAM PUBLIC SCHOOLS.....	74,151,481	9,158,770

**MASSACHUSETTS TEACHERS' RETIREMENT SYSTEM**  
**SUPPLEMENTAL SCHEDULE OF SPECIAL FUNDING AMOUNTS BY EMPLOYER**  
As of and for the fiscal year ended June 30, 2020  
(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.....	120,301,121	14,858,912
1850-STURBRIDGE PUBLIC SCHOOL.....	26,688,233	3,296,379
1855-SUDBURY PUBLIC SCHOOLS.....	96,671,905	11,940,365
1860-SUNDERLAND PUBLIC SCHOOLS.....	6,698,435	827,353
1865-SUTTON PUBLIC SCHOOLS.....	40,020,733	4,943,134
1870-SWAMPSCOTT PUBLIC SCHOOLS.....	72,206,307	8,918,513
1875-SWANSEA PUBLIC SCHOOLS.....	56,571,202	6,987,354
1880-TANTASQUA REGIONAL HIGH SCHOOL.....	53,691,221	6,631,635
1885-TAUNTON PUBLIC SCHOOLS.....	215,403,866	26,605,463
1890-TECH. COLLAB. THE ED. COOPERATIVE.....	10,103,252	1,247,896
1895-TEWKSBURY PUBLIC SCHOOLS.....	100,242,535	12,381,389
1900-TISBURY PUBLIC SCHOOLS.....	15,103,329	1,865,478
1905-TOPSFIELD PUBLIC SCHOOLS.....	22,377,096	2,763,892
1910-TRI-COUNTY REGIONAL VOC.....	39,962,672	4,935,963
1915-TRITON PUBLIC SCHOOLS.....	77,597,408	9,584,392
1920-TRURO PUBLIC SCHOOLS.....	6,880,828	849,881
1925-TYNGSBOROUGH PUBLIC SCHOOLS.....	52,362,956	6,467,575
1935-UPPER CAPE COD VOC. SCHOOL.....	28,114,258	3,472,514
1936-UP ISLAND REGIONAL SCHOOL.....	18,394,279	2,271,957
1940-UXBRIDGE PUBLIC SCHOOLS.....	45,634,201	5,636,478
1950-WACHUSETT REGIONAL SCHOOL DIST.....	181,875,645	22,464,248
1955-WAKEFIELD PUBLIC SCHOOLS.....	107,616,922	13,292,232
1960-WALES PUBLIC SCHOOLS.....	4,037,061	498,635
1965-WALPOLE PUBLIC SCHOOLS.....	126,726,463	15,652,534
1970-WALTHAM PUBLIC SCHOOLS.....	225,268,009	27,823,826
1975-WARE PUBLIC SCHOOLS.....	30,438,686	3,759,614
1980-WAREHAM PUBLIC SCHOOLS.....	71,433,708	8,823,086
2000-WATERTOWN PUBLIC SCHOOLS.....	114,187,277	14,103,765
2005-WAYLAND PUBLIC SCHOOLS.....	106,808,852	13,192,423
2010-WEBSTER PUBLIC SCHOOLS.....	51,484,307	6,359,050
2015-WELLESLEY PUBLIC SCHOOLS.....	212,253,250	26,216,317
2020-WELLFLEET PUBLIC SCHOOLS.....	5,038,049	622,271
2025-WEST BOYLSTON PUBLIC SCHOOLS.....	30,912,661	3,818,157
2030-WEST BRIDGEWATER PUBLIC SCHOOLS.....	35,245,213	4,353,289
2045-WEST SPRINGFIELD PUBLIC SCHOOLS.....	117,897,124	14,561,984
2055-WESTBOROUGH PUBLIC SCHOOLS.....	133,101,589	16,439,953
2060-WESTFIELD PUBLIC SCHOOLS.....	143,649,777	17,742,805
2065-WESTFORD PUBLIC SCHOOLS.....	156,004,753	19,268,822
2070-WESTHAMPTON PUBLIC SCHOOLS.....	4,304,012	531,607
2080-WESTON PUBLIC SCHOOLS.....	98,708,723	12,191,941
2085-WESTPORT PUBLIC SCHOOLS.....	45,677,982	5,641,885

**MASSACHUSETTS TEACHERS' RETIREMENT SYSTEM**  
 SUPPLEMENTAL SCHEDULE OF SPECIAL FUNDING AMOUNTS BY EMPLOYER  
 As of and for the fiscal year ended June 30, 2020  
 (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.....	118,568,205	14,644,872
2095-WEYMOUTH PUBLIC SCHOOLS.....	183,663,382	22,685,059
2100-WHATELY PUBLIC SCHOOLS.....	4,414,908	545,304
2110-WHITMAN-HANSON REGIONAL.....	97,270,111	12,014,252
2120-WILLIAMSBURG PUBLIC SCHOOLS.....	5,217,688	644,459
2130-WILMINGTON PUBLIC SCHOOLS.....	108,711,821	13,427,467
2135-WINCENDON PUBLIC SCHOOLS.....	33,486,197	4,136,025
2140-WINCHESTER PUBLIC SCHOOLS.....	151,908,507	18,762,877
2145-WINTHROP PUBLIC SCHOOLS.....	54,489,484	6,730,232
2150-WHITTIER VOC. SCHOOL DIST.....	48,203,716	5,953,850
2155-WOBURN PUBLIC SCHOOLS.....	153,650,216	18,978,003
2160-WORCESTER PUBLIC SCHOOLS.....	765,599,948	94,562,562
2162-MASS ACADEMY OF MATH AND SCIENCE.....	2,547,994	314,714
2164-WORTHINGTON PUBLIC SCHOOLS.....	1,942,183	239,887
2165-WRENTHAM PUBLIC SCHOOLS.....	30,258,680	3,737,380
2200-AYER SHIRLEY REGIONAL.....	45,926,481	5,672,578
2205-SOMERSET-BERKLEY REGIONAL.....	29,483,465	3,641,630
2210-MONOMOY REGIONAL SCHOOL DISTRICT.....	66,725,068	8,241,502
2215-ESSEX NORTH SHORE AGRICULTURAL & TECHNICAL.....	51,183,846	6,321,938
3000-MASS VIRTUAL ACADEMY AT GREENFIELD.....	13,058,116	1,612,864
3005-TECCA VIRTUAL SCHOOL.....	24,824,047	3,066,125
4005-COMMUNITY DAY CHARTER SCHOOL.....	12,368,762	1,527,719
4010-CITY ON A HILL CHARTER SCHOOL.....	8,559,518	1,057,223
4015-ATLANTIS CHARTER SCHOOL.....	26,053,151	3,217,937
4020-CAPE COD LIGHTHOUSE CHARTER SCHOOL.....	8,453,711	1,044,154
4025-HILLTOWN COOPERATIVE CHARTER SCHOOL.....	6,189,572	764,501
4030-BENJAMIN FRANKLIN CLASSICAL CHARTER SCH.....	16,367,697	2,021,645
4035-SOUTH SHORE CHARTER SCHOOL.....	31,426,419	3,881,613
4040-LOWELL MIDDLESEX ACADEMY CHARTER SCH.....	2,943,998	363,626
4055-BOSTON RENAISSANCE CHARTER SCHOOL.....	30,708,956	3,792,996
4060-MARBLEHEAD COMMUNITY CHARTER SCHOOL.....	5,824,042	719,353
4065-FRANCIS W. PARKER CHARTER SCHOOL.....	11,697,854	1,444,853
4070-NEIGHBORHOOD HOUSE CHARTER SCHOOL.....	24,410,715	3,015,073
4075-ACADEMY OF THE PACIFIC RIM CHARTER SCH.....	17,836,810	2,203,102
4080-BENJAMIN BANNEKER CHARTER SCHOOL.....	9,116,055	1,125,963
4090-LAWRENCE FAMILY DEVELOPMENT CHARTER SCH.....	17,675,867	2,183,223
4095-MARTHA'S VINEYARD CHARTER SCHOOL.....	7,625,251	941,828
4105-SABIS INTERNATIONAL CHARTER SCHOOL.....	27,200,945	3,359,706
4115-PIONEER VALLEY PERFORMING ARTS CHARTER.....	12,182,810	1,504,752
4120-PROSPECT HILL ACADEMY CHARTER SCHOOL.....	41,086,898	5,074,821
4125-SEVEN HILLS CHARTER SCHOOL.....	15,435,633	1,906,522

**MASSACHUSETTS TEACHERS' RETIREMENT SYSTEM**  
**SUPPLEMENTAL SCHEDULE OF SPECIAL FUNDING AMOUNTS BY EMPLOYER**  
As of and for the fiscal year ended June 30, 2020  
(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.....	34,685,848	4,284,199
4145-MYSTIC VALLEY REGIONAL CHARTER SCHOOL.....	29,463,528	3,639,168
4150-FOXBORO REGIONAL CHARTER SCHOOL.....	36,867,714	4,553,691
4165-RISING TIDE CHARTER.....	18,057,350	2,230,341
4170-BOSTON COLLEGIATE CHARTER SCHOOL.....	25,463,124	3,145,061
4175-STURGIS CHARTER SCHOOL.....	31,457,227	3,885,418
4180-RIVER VALLEY CHARTER SCHOOL.....	7,529,741	930,031
4200-CONSERVATORY LAB CHARTER SCHOOL.....	12,734,247	1,572,862
4205-ROXBURY PREPARATORY CHARTER.....	46,401,230	5,731,217
4210-MEDIA & TECH CHARTER HIGH SCH.....	51,866,429	6,406,247
4225-CODMAN ACADEMY CHARTER SCHOOL.....	14,301,263	1,766,411
4235-CHRISTA MCAULIFFE REG. CHARTER P.S.....	12,120,517	1,497,057
4240-NORTH CENTRAL CHARTER ESSENTIAL SCHOOL.....	10,377,556	1,281,777
4245-INNOVATION ACADEMY CHARTER SCHOOL.....	21,984,988	2,715,461
4250-EDWARD BROOKE CHARTER SCHOOL.....	70,402,301	8,695,693
4260-FOUR RIVER CHARTER PUBLIC SCHOOL.....	6,987,669	863,077
4265-BOSTON PREPARATORY CHARTER SCHOOL.....	22,812,323	2,817,649
4270-EXCEL ACADEMY CHARTER SCHOOL.....	43,793,165	5,409,083
4275-SALEM ACADEMY CHARTER SCHOOL.....	15,769,174	1,947,719
4285-BERKSHIRE ARTS AND TECHNOLOGY CHARTER.....	10,214,200	1,261,600
4290-HELEN Y. DAVIS LEADERSHIP ACADEMY CHARTER PUBLIC.....	5,870,155	725,048
4295-HILLVIEW MONTESSORI CHARTER SCHOOL.....	6,779,405	837,354
4300-KIPP ACADEMY LYNN CHARTER SCHOOL.....	48,157,014	5,948,081
4305-ADVANCED MATH & SCIENCE ACADEMY CHARTER SCHOOL.....	25,785,990	3,184,939
4310-COMMUNITY CHARTER SCHOOL OF CAMBRIDGE.....	12,421,855	1,534,277
4315-HOLYOKE COMMUNITY CHARTER SCHOOL.....	13,462,679	1,662,834
4320-MARTIN LUTHER KING JR. CHARTER SCHOOL.....	10,969,911	1,354,941
4325-PHOENIX CHARTER ACADEMY.....	7,184,522	887,391
4330-PIONEER VALLEY CHINESE IMMERSION CHARTER.....	19,094,140	2,358,400
4420-LOWELL COMMUNITY CHARTER SCHOOL.....	19,941,413	2,463,050
4425-PIONEER CHARTER SCHOOL OF SCIENCE.....	20,211,591	2,496,421
4430-GLOBAL LEARNING CHARTER PUBLIC SCHOOL.....	12,517,639	1,546,108
4440-HAMPDEN CHARTER SCHOOL OF SCIENCE - EAST.....	12,269,922	1,515,511
4510-ALMA DEL MAR CHARTER SCHOOL.....	16,062,433	1,983,941
4515-BRIDGE BOSTON CHARTER SCHOOL.....	12,851,160	1,587,302
4550-VERITAS PREPARATORY CHARTER SCHOOL.....	13,189,562	1,629,100
4565-CDCPS-GATEWAY.....	10,277,522	1,269,421
4570-CDCPS-R KINGMAN WEBSTER.....	9,068,730	1,120,118
4575-KIPP ACADEMY BOSTON CHARTER SCHOOL.....	17,080,555	2,109,693
4580-PAULO FREIRE SOCIAL JUSTICE CHARTER SCHOOL.....	7,799,397	963,337
4585-CITY ON A HILL CHARTER 2.....	5,825,042	719,476



**MASSACHUSETTS TEACHERS' RETIREMENT SYSTEM**  
**SUPPLEMENTAL SCHEDULE OF SPECIAL FUNDING AMOUNTS BY EMPLOYER**  
As of and for the fiscal year ended June 30, 2020  
(Unaudited)

Employer	Commonwealth's Proportionate Share of the Net Pension Liability Associated with the District	Employer Pension Expense and Revenue from Commonwealth Support
4590-CITY ON A HILL CHARTER - NEW BEDFORD.....	3,690,439	455,822
4595-PIONEER CHARTER SCHOOL OF SCIENCE II.....	8,744,107	1,080,022
4600-THE LOWELL COLLEGIATE CHARTER SCHOOL.....	11,991,922	1,481,174
4605-BAY STATE ACADEMY CHARTER PUBLIC SCHOOL.....	13,858,851	1,711,767
4610-PHOENIX CHARTER ACADEMY SPRINGFIELD.....	4,218,123	520,999
4615-ARGOSY COLLEGIATE CHARTER SCHOOL.....	13,184,776	1,628,509
4620-SPRINGFIELD PREPARATORY CHARTER SCHOOL.....	8,120,928	1,003,051
4625-NEW HEIGHTS CHARTER OF BROCKTON.....	17,789,656	2,197,277
4630-LIBERTAS ACADEMY CHARTER SCHOOL.....	8,055,439	994,962
4635-OLD STURBRIDGE ACADEMY CHARTER PS.....	4,047,678	499,946
4640-MAP ACADEMY CHARTER SCHOOL.....	4,611,189	569,548
4645-HAMPDEN CHARTER SCHOOL OF SCIENCE - WEST.....	5,498,971	679,202
4650-PHOENIX ACADEMY PUBLIC CHARTER HS LAWERENCE.....	4,151,222	512,735
Totals.....	<u>\$ 28,544,844,000</u>	<u>\$ 3,525,697,181</u>

See accompanying notes to supplemental schedules.

# MASSACHUSETTS TEACHERS' RETIREMENT SYSTEM

## Notes to Supplemental Schedules

June 30, 2020

(Unaudited)

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### **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, 2020. 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 \$7,576,767,000) of employers in MTRS as of the measurement date of June 30, 2020. 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, 2020, 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.