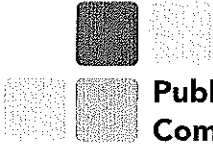


Worcester Regional Retirement System

Annual Statement

2019





Public Employee Retirement Administration Commission Members

Philip Y. Brown, Esq.
Chairman

The Honorable Suzanne Bump
*Auditor of the Commonwealth
Vice Chairman*

Kathleen M. Fallon
Practice Area Director, Public Consulting Group

Kate Fitzpatrick
Town Manager, Town of Needham

James M. Machado
Sergeant, Fall River Police Department

Robert B. McCarthy
*President Emeritus of the Professional
Firefighters of Massachusetts*

Jennifer F. Sullivan
*Investment Professional
Governor's Appointee*

John W. Parsons, Esq.
Executive Director



Audit Unit Staff

Caryn Shea, Director of Audits | **Scott Henderson, Deputy Chief Auditor**
Ernie Calavritinos, Auditor | **Karen Casper, Auditor** | **Michelle Lastra, Auditor**
Alice Munafo, Auditor | **George Nsia, Auditor** | **Carol Poladian, Auditor**
Elaine Pursley, Auditor | **Richard Wrona, Auditor** | **Junior Yanga, Auditor**

You may leave messages for any member of PERAC's Audit Staff at telephone extension 929 in our Somerville offices.



Commonwealth of Massachusetts
Public Employee Retirement Administration Commission
Five Middlesex Avenue, Suite 304 | Somerville, MA 02145
ph 617 666 4446 fax 617 628 4414
tty 617 591 8917 web www.mass.gov/perac

**ANNUAL STATEMENT FOR THE YEAR ENDED DECEMBER 31, 2019
OF THE CONDITIONS AND AFFAIRS OF
WORCESTER COUNTY RETIREMENT SYSTEM**

**Organized under the Laws of the Commonwealth of Massachusetts to the
PUBLIC EMPLOYEE RETIREMENT ADMINISTRATION COMMISSION**

Date of Certificate: 10/05/1936 Effective Date: 01/01/1937

Administration Office

23 Midstate Drive Suite 106

Auburn, MA 01501-

Telephone Number(508) 832-6314

We, the undersigned, members of the Board of Retirement of WORCESTER COUNTY RETIREMENT SYSTEM certify under the penalties of perjury, that we are the official board members of said retirement system, and that assets were the absolute property of said systems, free and clear from any liens or claims thereon, except as stated, and the following statements, with the schedules and explanations therein contained, annexed, or referred to, are a full and correct exhibit of all the assets, liabilities, income and disbursements, changes in fund balances and of the conditions and affairs of the said retirement system on the said thirty-first day of December last, and for the year ended on that date, according to the best of our information, knowledge and belief, respectively.

| | | | | |
|---|--|--------------------------------|--|----------------------------|
| BOARD OF RETIREMENT <i>Please identify the Name of the Board Member who serves as Chalperson by Inserting the title next to his/her name.</i> | Ex-Officio Member | KEVIN P. BLANCHETTE - CHAIRMAN | <i>Kevin P. Blanchette</i> <small>(signature)</small> | |
| | Appointed Member | Joanne Savignac | Term Expires <u>12/31/2021</u> | |
| | Elected Member | PAULINE M. LAJOIE | Term Expires <u>12/31/2022</u> | |
| | Elected Member | MICHAEL DONOGHUE | Term Expires <u>12/31/2020</u> | |
| | Member Appointed by Other Members | EUGENE J. DURGIN | Term Expires <u>12/31/2023</u> | |
| | | | | <small>(signature)</small> |
| | | | | |

| | | | |
|---|---------------------------|------|---------|
| INVESTMENT MANAGERS <i>Please compile/submit a complete list. Attach the list to this page.</i> | SEE ATTACHED SHEET | Name | Address |
| | | Name | Address |
| | | Name | Address |

| | | |
|------------------------------|------|---------|
| INVESTMENT CONSULTANT | Name | Address |
|------------------------------|------|---------|

| | | |
|------------------|------|---------|
| CUSTODIAN | Name | Address |
|------------------|------|---------|

**ANNUAL STATEMENT FOR THE YEAR ENDED DECEMBER 31, 2019
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BOARD OF RETIREMENT

*Please identify the
Name of the Board
Member who serves
as Chairperson by
Inserting the title
next to his/her name.*

Ex-Officio Member

KEVIN P. BLANCHETTE - CHAIRMAN

(signature)

Appointed Member

Term Expires 12/31/2021

Joanne Savignac

(signature)

Elected Member

Term Expires 12/31/2022

PAULINE M. LAJOIE

(signature)

Elected Member

Term Expires 12/31/2020

MICHAEL DONOGHUE

(signature)

Member Appointed by Other Members

Term Expires 12/31/2023

EUGENE J. DURGIN

(signature)

INVESTMENT MANAGERS

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Address

Name

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Name

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CUSTODIAN

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**ANNUAL STATEMENT FOR THE YEAR ENDED DECEMBER 31, 2019
OF THE CONDITIONS AND AFFAIRS OF
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(signature)

Elected Member

Term Expires 12/31/2022

PAULINE M. LAJOIE

Pauline M. Lajoie
(signature)

Elected Member

Term Expires 12/31/2020

MICHAEL DONOGHUE

(signature)

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Term Expires 12/31/2023

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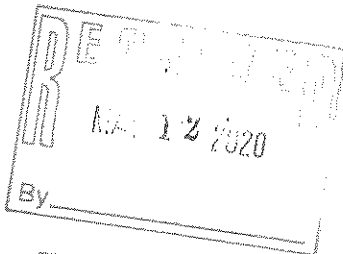
Address

CUSTODIAN

Name

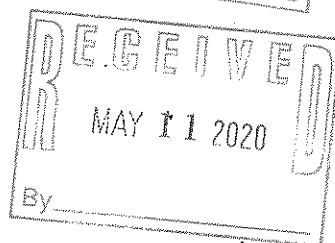
Address

**ANNUAL STATEMENT FOR THE YEAR ENDED DECEMBER 31, 2019
OF THE CONDITIONS AND AFFAIRS OF
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Name Address

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Name Address

CUSTODIAN

Name Address

PRIVATE EQUITY

Ascent II Venture Partners

Ascent Venture Partners

255 State Street | 5th Floor | Boston, MA 02109

Tel: 617-720-9400 | Fax: 617-720-9401 |

www.ascentvp.com

Jason Molfetas jmolfetas@ascentvp.com

Ascent IV Venture Partners

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255 State Street | 5th Floor | Boston, MA 02109

Tel: 617-720-9400 | Fax: 617-720-9401 |

www.ascentvp.com

Jason Molfetas jmolfetas@ascentvp.com

Aberdeen Standard Investments

North American Strategic Partners 2006 LP

SL Capital Partners

1 George Street, Edlinburgh, EH@ 211, UK

T: +44(0)131 245 6599

Tatenda Dahwa Tatenda.Dahwa@iqeq.com

slcapital@iqeq.com

REAL ESTATE

AEW

AEW Capital Management L.P.

Seaport Place | Two Seaport Lane |

Boston, MA 02210-2021

P: 617-261-9279 | Fax 617-261-9555

Mindy Fitzpatrick mindy.fitzpatric@aew.com

PENSION RESERVES INVESTMENT MGMT BOARD

84 State Street | Suite 250

Boston, MA 02109

Tel: 617-946-8433

Michael G. Trotsky, CFA

www.mapension.com

Annual Statement of the WORCESTER COUNTY RETIREMENT SYSTEM

for the year ended December 31,2019

ANNUAL STATEMENT BALANCE TESTS

| | |
|--|----------------|
| 1. ASSET BALANCE | |
| Assets Previous Year | 690,298,738.09 |
| Income Current Year | 213,020,778.37 |
| Disbursements Current Year | 101,868,384.24 |
| Assets Current Year | 801,451,132.22 |
| 2. ASSET DIFFERENCE | |
| Assets Current Year | 801,451,132.22 |
| Assets Previous Year | 690,298,738.09 |
| Difference | 111,152,394.13 |
| 3. INCOME DIFFERENCE | |
| Income Current Year | 213,020,778.37 |
| Disbursements Current Year | 101,868,384.24 |
| Difference | 111,152,394.13 |
| 4. FUND CHANGE DIFFERENCE - Add interfund transfer credits and debits respectively to Income and Disbursement activities. | |
| Total Fund Change Credits Current Year | 242,243,060.34 |
| Total Fund Chage Debits Current Year | 131,090,666.21 |
| Difference | 111,152,394.13 |

NOTE: THE SUMS OF TESTS 2,3, AND 4 SHOULD BE THE SAME.

**Annual Statement of the WORCESTER COUNTY RETIREMENT SYSTEM for
the year ended December 31, 2019**

Assets and Liabilities

| | <u>2019</u> End Balance | <u>2018</u> End Balance | <u>2017</u> End Balance |
|--|------------------------------|------------------------------|------------------------------|
| 1040 - 1049 Cash | 2,813,343.29 | 2,840,100.42 | 2,919,955.94 |
| 1100 - Short Term Investments | 0.00 | 0.00 | 0.00 |
| 1180 - Fixed Income Sec (book value) | 0.00 | 0.00 | 0.00 |
| 1101 - Pooled Short Term Funds | 0.00 | 0.00 | 0.00 |
| 1170 - Equities | 0.00 | 0.00 | 0.00 |
| 1172 - Pooled Domestic Equity Funds | 0.00 | 0.00 | 0.00 |
| 1173 - Pooled International Equity Funds | 0.00 | 0.00 | 0.00 |
| 1174 - Pooled Global Equity Funds | 0.00 | 0.00 | 0.00 |
| 1181 - Pooled Domestic Fixed Income Funds | 0.00 | 0.00 | 0.00 |
| 1182 - Pooled International Fixed Income Funds | 0.00 | 0.00 | 0.00 |
| 1183 - Pooled Global Fixed Income Funds | 0.00 | 0.00 | 0.00 |
| 1193 - Pooled Alternative Investments | 1,187,279.14 | 1,367,018.59 | 2,863,638.13 |
| 1194 - Pooled Real Estate Funds | 0.00 | 0.00 | 449,651.65 |
| 1195 - Pooled Domestic Balanced Funds | 0.00 | 0.00 | 0.00 |
| 1196 - Pooled International Balanced Funds | 0.00 | 0.00 | 0.00 |
| 1197 - Hedge Funds | 0.00 | 0.00 | 0.00 |
| 1198 - PRIT Cash | 0.00 | 0.00 | 0.00 |
| 1199 - PRIT Fund | 801,583,800.58 | 688,874,680.55 | 705,763,910.21 |
| 1350 - Prepaid Expenses | 0.00 | 0.00 | 0.00 |
| 1398 - Accounts Receivable (A) | 5,363,062.81 | 4,447,864.57 | 4,281,182.37 |
| 1550 - Interest Due & Accrued Fixed Inc Sec Cur Yr | 0.00 | 0.00 | 0.00 |
| 2020 - Accounts Payable (A) | -9,496,353.60 | -7,230,926.04 | -6,073,078.69 |
| Total | <u>801,451,132.22</u> | <u>690,298,738.09</u> | <u>710,205,259.61</u> |
| Funds : | | | |
| 3293 - Annuity Savings Fund | 297,120,737.65 | 285,694,920.02 | 274,388,786.45 |
| 3294 - Annuity Reserve Fund | 78,748,966.26 | 74,559,145.49 | 71,436,738.50 |
| 3295 - Special Military Service Cr Fnd | 129,449.23 | 148,744.31 | 141,576.02 |
| 3296 - Pension Fund | 3,655,462.75 | 3,618,491.58 | 1,037,427.85 |
| 3298 - Expense Fund | 0.00 | 0.00 | 0.00 |
| 3297 - Pension Reserve Fund | 421,796,516.33 | 326,277,436.69 | 363,200,730.79 |
| Total Assets at Market Value | <u>801,451,132.22</u> | <u>690,298,738.09</u> | <u>710,205,259.61</u> |

(A) Detail for Accounts Receivable and Accounts Payable are to be placed on Schedule A

**Annual Statement of the WORCESTER COUNTY RETIREMENT SYSTEM
for the year ended December 31, 2019**

| | <u>Balance December 31 2018</u> | <u>Receipts</u> | <u>Interfund Transfers</u> | <u>Disbursements</u> | <u>Balance December 31 2019</u> |
|---------------------------------|-------------------------------------|------------------------------|--------------------------------|------------------------------|-------------------------------------|
| Annuity Savings Fund | 285,694,920.02 | 35,332,769.33 | -17,962,324.75 | 5,944,626.95 | 297,120,737.65 |
| Annuity Reserve Fund | 74,559,145.49 | 2,259,231.51 | 17,549,193.97 | 15,618,604.71 | 78,748,966.26 |
| Special Military Service Cr Fnd | 148,744.31 | 6,065.28 | -25,360.36 | 0.00 | 129,449.23 |
| Pension Fund | 3,618,491.58 | 63,612,514.43 | 11,673,088.00 | 75,248,631.26 | 3,655,462.75 |
| Expense Fund | 0.00 | 5,056,521.32 | 0.00 | 5,056,521.32 | 0.00 |
| Pension Reserve Fund | 326,277,436.69 | 106,753,676.50 | -11,234,596.86 | 0.00 | 421,796,516.33 |
| TOTAL ALL FUNDS: | <u>690,298,738.09</u> | <u>213,020,778.37</u> | <u>0.00</u> | <u>101,868,384.24</u> | <u>801,451,132.22</u> |

List Below all Transfers:

| | | | | | |
|--------------------|------------------|-----------------------|---------------|---------------|-----------------------------------|
| Transfer from 3293 | Fund to the 3294 | Fund in the Amount of | 17,533,647.61 | on account of | Current Retirements |
| Transfer from 3295 | Fund to the 3294 | Fund in the Amount of | 15,546.36 | on account of | Military Service Fd-A.Cyr retired |
| Transfer from 3297 | Fund to the 3296 | Fund in the Amount of | 11,663,274.00 | on account of | Cost of Pensions/Funding |
| Transfer from 3293 | Fund to the 3297 | Fund in the Amount of | 642,135.64 | on account of | Transfer to PR-10 Years Inactive |
| Transfer from 3297 | Fund to the 3293 | Fund in the Amount of | 160,017.53 | on account of | Net cost 3% interest refunded |
| Transfer from 3295 | Fund to the 3296 | Fund in the Amount of | 9,814.00 | on account of | MSF -PRF Wachusett |
| Transfer from 3297 | Fund to the 3293 | Fund in the Amount of | 53,440.97 | on account of | Member's Accounts Reactivated |
| Transfer from | Fund to the | Fund in the Amount of | | on account of | |
| Transfer from | Fund to the | Fund in the Amount of | | on account of | |
| Transfer from | Fund to the | Fund in the Amount of | | on account of | |
| Transfer from | Fund to the | Fund in the Amount of | | on account of | |
| Transfer from | Fund to the | Fund in the Amount of | | on account of | |
| Transfer from | Fund to the | Fund in the Amount of | | on account of | |
| Transfer from | Fund to the | Fund in the Amount of | | on account of | |
| Transfer from | Fund to the | Fund in the Amount of | | on account of | |

**Annual Statement of the WORCESTER COUNTY RETIREMENT SYSTEM
for the year ended December 31, 2019**

RECEIPTS

| | <u>2019</u> | <u>2018</u> | <u>2017</u> |
|---|-----------------------|-----------------------|-----------------------|
| 1. Annuity Savings Fund : | | | |
| (a) 4891 - Members Deductions | 30,363,406.09 | 28,818,178.26 | 27,498,935.40 |
| (b) 4892 - Transfers From Other | 3,889,081.99 | 3,794,003.43 | 3,250,855.73 |
| (c) 4893 - Make Up and Redeposit Payments | 240,675.73 | 121,811.56 | 718,275.11 |
| (d) 4900 - Member Payments from Rollovers | 565,232.81 | 603,567.37 | 36,872.14 |
| (e) Investment Income Cr to Members A/C | 274,372.71 | 265,940.83 | 261,354.41 |
| Subtotal | 35,332,769.33 | 33,603,501.45 | 31,766,292.79 |
| 2. Annuity Reserve Fund : | | | |
| (a) 4750 - Recovery of Annuity from Reinstatement | 0.00 | 0.00 | 0.00 |
| (b) Investment Income Cr to Annuity Res Fd | 2,259,231.51 | 2,159,980.19 | 2,033,058.69 |
| Subtotal | 2,259,231.51 | 2,159,980.19 | 2,033,058.69 |
| 3. Pension Fund : | | | |
| (a) 4898 - 3(8) (c) Reimburse from Other Sys | 2,280,503.17 | 2,037,991.38 | 1,970,724.85 |
| (b) 4899 - Rec'd from State for COLA & Surviv | 420,774.22 | 438,706.93 | 374,664.12 |
| (c) 4894 - Pension Fund Appropriation | 60,887,972.00 | 55,674,504.00 | 50,599,326.00 |
| (d) 4840 - Workers' Compensation Settlements | 20,642.06 | 10,500.00 | 76,675.04 |
| (e) 4751 - Recovery of Pension from Reinstatement | 0.00 | 0.00 | 0.00 |
| (f) 4841 - Recovery of 91A Overearnings | 2,622.98 | 5,318.04 | 512.00 |
| Subtotal | 63,612,514.43 | 58,167,020.35 | 53,021,902.01 |
| 4. Military Service Fund : | | | |
| (a) 4880 - Contributions Rec (for Military Serv) | 5,921.44 | 9,457.61 | 0.00 |
| (a) 4890 - Contributions Rec (for Military Serv) | 0.00 | 0.00 | 13,702.56 |
| (b) Invest Income Credited | 143.84 | 140.77 | 133.29 |
| Subtotal | 6,065.28 | 9,598.38 | 13,835.85 |
| 5. Expense Fund : | | | |
| (a) 4896 - Expense Fund Appropriation | 0.00 | 0.00 | 0.00 |
| (b) Investment Income Cr to Expense Fund | 5,056,521.32 | 4,937,270.16 | 4,608,521.21 |
| Subtotal | 5,056,521.32 | 4,937,270.16 | 4,608,521.21 |
| 6. Pension Reserve Fund : | | | |
| (a) 4897 - Federal Grant Reimbursement | 16,868.33 | 76,765.45 | 67,542.14 |
| (b) 4895 - Pension Reserve Appropriation | 0.00 | 0.00 | 0.00 |
| (c) 4822 - Interest not Refunded: | 0.00 | 0.00 | 0.00 |
| (d) 4825 - Misc. Income | 12,530.34 | 3,903.96 | 3,649.37 |
| (e) Excess Investment Income | 106,724,277.83 | -21,374,906.23 | 99,683,013.68 |
| Subtotal | 106,753,676.50 | -21,294,236.82 | 99,754,205.19 |
| TOTAL RECEIPTS | 213,020,778.37 | 77,583,133.71 | 191,197,815.74 |

**Annual Statement of the WORCESTER COUNTY RETIREMENT SYSTEM
for the year ended December 31, 2019**

Disbursements

| | 2019 | 2018 | 2017 |
|--|-----------------------|----------------------|----------------------|
| 1. Annuity Savings Fund : | | | |
| (a) 5757 - Refunds To Members | 2,928,329.74 | 3,405,034.75 | 2,685,512.98 |
| (b) 5756 - Transfers To Other Systems : | 3,016,297.21 | 3,860,284.72 | 3,900,729.61 |
| Subtotal | 5,944,626.95 | 7,265,319.47 | 6,586,242.59 |
| 2. Annuity Reserve Fund : | | | |
| (a) 5750 - Annuities Paid | 15,406,569.64 | 14,194,013.60 | 13,014,404.49 |
| (b) 5759 - Option B Refunds | 212,035.07 | 142,974.38 | 125,539.50 |
| Subtotal | 15,618,604.71 | 14,336,987.98 | 13,139,943.99 |
| 3. Pension Fund : | | | |
| (a) 5751 - Pensions Paid | 0.00 | 0.00 | 0.00 |
| Regular Pension Payments | 56,680,315.55 | 53,374,805.22 | 50,112,318.88 |
| Survivorship Payments | 2,975,921.55 | 2,833,372.82 | 2,678,675.32 |
| Ordinary Disability Payments | 619,170.21 | 581,905.03 | 576,749.16 |
| Accidental Disability Payments | 8,011,346.27 | 7,797,245.77 | 7,334,752.57 |
| Accidental Death Payments | 1,090,450.55 | 1,015,313.54 | 960,145.01 |
| Section 101 Benefits | 218,024.04 | 227,264.63 | 229,696.39 |
| (b) 5755 - 3 (8) (c) Reimb To Other Sys | 5,653,403.09 | 5,120,170.61 | 6,013,034.87 |
| (c) 5752 - COLA's Paid | 0.00 | 0.00 | 0.00 |
| (d) 5753 - Chapter 389 Ben Increase Pd | 0.00 | 0.00 | 0.00 |
| Subtotal | 75,248,631.26 | 70,950,077.62 | 67,905,372.20 |
| 4. Military Service Fund : | | | |
| (a) 4890 - Return to Municipality for Members who withdrew their fund | 0.00 | 0.00 | 2,990.97 |
| Subtotal | 0.00 | 0.00 | 2,990.97 |
| 5. Expense Fund : | | | |
| (a) 5118 Board Member Stipend | 22,500.00 | 22,500.00 | 22,500.00 |
| (b) 5119 - Salaries | 674,802.47 | 612,782.34 | 630,592.65 |
| (c) 5304 - Management Fees | 3,856,329.98 | 3,758,997.86 | 3,463,012.46 |
| (d) 5305 - Custodial Fees | 0.00 | 0.00 | 0.00 |
| (e) 5307 - Investment Consultant Fees | 0.00 | 0.00 | 0.00 |
| (f) 5308 - Legal Expenses | 46,283.20 | 71,319.14 | 94,562.75 |
| (g) 5309 - Medical Expenses | 10.00 | 0.00 | 141.98 |
| (h) 5310 - Fiduciary Insurance | 55,405.00 | 52,938.00 | 51,783.00 |
| (i) 5311- Service Contracts | 60,918.98 | 54,957.95 | 44,743.88 |
| (j) 5312 - Rent Expense | 81,952.56 | 81,952.56 | 81,172.04 |
| (k) 5315 - Professional Services | 30,000.00 | 51,394.03 | 32,680.53 |
| (l) 5316 - Actuarial Services | 28,047.50 | 50,400.00 | 22,355.00 |
| (m) 5317 - Accounting Services | 0.00 | 0.00 | 0.00 |
| (n) 5320 - Education and Training | 8,513.65 | 10,077.39 | 6,864.11 |
| (o) 5589 - Administrative Expenses | 94,930.25 | 163,975.86 | 133,022.71 |
| (p) 5599 - Furniture and Equipment | 3,856.45 | 738.25 | 20,460.15 |
| (q) 5719 - Travel | 5,420.09 | 5,236.78 | 4,629.95 |
| (r) 5829 - Depreciation expense: Building | 0.00 | 0.00 | 0.00 |
| Subtotal | 4,968,970.13 | 4,937,270.16 | 4,608,521.21 |
| 5. Expense Fund: | | | |
| (s) 5120 - Benefits | 87,551.19 | 0.00 | 0.00 |
| Subtotal | 87,551.19 | 0.00 | 0.00 |
| Total Disbursements: | 101,868,384.24 | 97,489,655.23 | 92,243,070.96 |

**Annual Statement of the WORCESTER COUNTY RETIREMENT SYSTEM
for the year ended December 31, 2019**

Investment Income

| | <u>2019 End Balance</u> | <u>2018 End Balance</u> | <u>2017</u> |
|--|-----------------------------|-----------------------------|-----------------------|
| Investment Income Received From : | | | |
| (a) Cash (from schedules 1) | 204,294.06 | 134,166.39 | 66,653.00 |
| (b) Short Term Investments (sch 2) | 0.00 | 0.00 | 0.00 |
| (c) Fixed Inc Sec (from sch 3A and 3C) | 0.00 | 0.00 | 0.00 |
| (d) Equities (from sch 4A and 4C) | 0.00 | 0.00 | 0.00 |
| (e) Pooled Funds (from Schedule 5) | 19,846,090.78 | 19,299,664.16 | 18,039,248.15 |
| (f) Commission Recapture | 0.00 | 0.00 | 0.00 |
| 4821 - TOTAL INVESTMENT INCOME | 20,050,384.84 | 19,433,830.55 | 18,105,901.15 |
| Plus : | | | |
| 4884 - Realized Gains | 37,025,857.32 | 32,916,082.11 | 30,663,179.42 |
| 4886 - Unrealized Gains | 89,729,687.00 | 25,183,226.56 | 59,292,590.39 |
| 1550 - Interest Due & Accrued Fixed Inc Sec Cur Yr | 0.00 | 0.00 | 0.00 |
| | 126,755,544.32 | 58,099,308.67 | 89,955,769.81 |
| Less : | | | |
| 4823 - Pd Accrued Int - Fixed Inc Securities | 0.00 | 0.00 | 0.00 |
| 4885 - Realized Losses | -141,119.42 | -4,850.00 | -395,090.00 |
| 4887 - Unrealized Losses | -32,350,262.53 | -91,539,863.50 | -1,080,499.68 |
| 1550 - Inc Due & Accrued Prior Year | 0.00 | 0.00 | 0.00 |
| | -32,491,381.95 | -91,544,713.50 | -1,475,589.68 |
| NET INVESTMENT INCOME | 114,314,547.21 | -14,011,574.28 | 106,586,081.28 |
| Income Required : | | | |
| Annuity Savings Fund (Supp Schedule) | 274,372.71 | 265,940.83 | 261,354.41 |
| Annuity Reserve Fund | 2,259,231.51 | 2,159,980.19 | 2,033,058.69 |
| Expense Fund | 5,056,521.32 | 4,937,270.16 | 4,608,521.21 |
| Special Military Service Cr Fnd | 143.84 | 140.77 | 133.29 |
| | 7,590,269.38 | 7,363,331.95 | 6,903,067.60 |
| TOTAL INCOME REQUIRED | 7,590,269.38 | 7,363,331.95 | 6,903,067.60 |
| Net Investment Income | 114,314,547.21 | -14,011,574.28 | 106,586,081.28 |
| Less : Income Required | -7,590,269.38 | -7,363,331.95 | -6,903,067.60 |
| EXCESS INCOME TO THE PENSION RESERVE FUND | 106,724,277.83 | -21,374,906.23 | 99,683,013.68 |

**Annual Statement of the WORCESTER COUNTY RETIREMENT SYSTEM
for the year ended December 31, 2019**

HEADCOUNT STATISTICS

| | Group 1 | Group 2+4 | Total |
|---|---------|-----------|-------|
| <u>ACTIVE MEMBERS</u> | | | |
| Active membership, Dec 31, previous yr | 6498 | 1032 | 7530 |
| Inactive membership, Dec 31, previous yr | 1961 | 64 | 2025 |
| Enrolled during the year | 994 | 96 | 1090 |
| Transfers between groups | 0 | 0 | 0 |
| Reinstatements of disabled members | 0 | 0 | 0 |
| Subtotal: | 9453 | 1192 | 10645 |
| Deduct | | | |
| Death | 7 | 0 | 7 |
| Withdrawn | 396 | 39 | 435 |
| Retirements | 170 | 29 | 199 |
| Subtotal: | 573 | 68 | 641 |
| Active Membership, Dec 31, current year | 6921 | 1060 | 7981 |
| Inactive Membership, Dec 31, Current Yr | 1959 | 64 | 2023 |
| ***** | | | |
| <u>RETIRED MEMBERS, BENEFICIARIES AND SURVIVORS</u> | | | |
| Retired, Beneficiary and Survivor Membership, Dec. 31, previous Year | 2984 | 604 | 3588 |
| Retirements during the year: | | | |
| Superannuation | 168 | 34 | 202 |
| Ordinary disability | 2 | 0 | 2 |
| Accidental disability | 2 | 3 | 5 |
| Termination Retirement Allowance | 0 | 0 | 0 |
| Beneficiary of Deceased Retiree | 0 | 0 | 0 |
| Survivor ben from active membership | 10 | 0 | 10 |
| Subtotal: | 182 | 37 | 219 |
| Deduct | | | |
| Deaths of retired members | 113 | 22 | 135 |
| Termination of Survivor Benefits | 2 | 2 | 4 |
| Reinstatements of disabled pensions | 0 | 0 | 0 |
| Subtotal: | 115 | 24 | 139 |
| Retired Membership, Dec.31, curr year | | | |
| Superannuation | 2848 | 427 | 3275 |
| Ordinary Disability | 30 | 12 | 42 |
| Accidental Disability | 114 | 126 | 240 |
| Termination | 2 | 2 | 4 |
| Beneficiaries from accidental deaths | 8 | 23 | 31 |
| Beneficiaries from Section 100 | 0 | 3 | 3 |
| Beneficiaries from Section 101 | 7 | 15 | 22 |
| Beneficiaries under Option (c) | 114 | 32 | 146 |
| Option (d) Survivor Allowance | 130 | 11 | 141 |
| Section 12B Survivor Allowance | 11 | 1 | 12 |
| Total Retired, Beneficiary, and Survivor Membership, Dec 31, current year | 3264 | 652 | 3916 |
| <u>TOTAL MEMBERSHIP</u> | | | |
| Active, Inact, Retired, Beneficiary, and Survivor, Dec. 31, current year | 12144 | 1776 | 13920 |

**Annual Statement of the WORCESTER COUNTY RETIREMENT SYSTEM
for the year ended December 31, 2019**

Schedule A

Detail of Accounts Receivable and Accounts Payable

Accounts Receivable

| | |
|--|--------------|
| 4891 - Members Deductions | 1,697,016.51 |
| 4892 - Transfers From Other Systems | 0.00 |
| 4893 - Member Make Up Payments and Redeposits | 50.00 |
| 4900 - Member Payments from Rollovers | 0.00 |
| 4898 - 3-(8)(c) Reimbursements From Other Systems | 2,249,405.86 |
| 4899 - Received from Commonwealth for COLA and Survivor Bene | 0.00 |
| 4884 - Profit on Sale of Investments | 0.00 |
| 4894 - Pension Fund Appropriation | 1,410,669.00 |
| 4894 - Pension Fund Appropriation | 0.00 |
| 4880 - Contr Rec'd from municipality on a/c of mil serv | 5,921.44 |
| 4897 - Federal Grant Reimbursement | 0.00 |
| 4895 - Pension Reserve Appropriation | 0.00 |

Investments Sold but funds not received (list individually)

| | |
|--------------------------|---------------------|
| 4901 - | 0.00 |
| 4902 - | 0.00 |
| 4903 - | 0.00 |
| 4904 - | 0.00 |
| 4905 - | 0.00 |
| Total Receivables | 5,363,062.81 |

Accounts Payable

| | |
|--|--------------|
| 5757 - Refunds to Members | 0.00 |
| 5756 - Transfers to Other Systems | 0.00 |
| 5750 - Annuities Paid | 0.00 |
| 5759 - Option B Refunds | 0.00 |
| 5751 - Pensions Paid | 0.00 |
| 5755 - 3(8)(c) Reimbursements To Other Systems | 9,467,082.05 |
| 5752 - COLA's Paid | 0.00 |
| 5753 - Chapter 389 Beneficiary Increase Paid | 0.00 |
| 4885 - Loss on Sale of Investments | 0.00 |
| 4890 - Return to Municipality For Members who withdrew funds | 0.00 |
| 5118 - Board Member Stipend | 0.00 |
| 5119 - Salaries | 0.00 |
| 5304 - Management Fees as offset to Expense Fund | 0.00 |
| 5305 - Custodial Fees as offset to Expense Fund | 0.00 |
| 5307 - Consultant Fees | 0.00 |
| 5308 - Legal Expenses | 434.75 |
| 5309 - Medical Expenses | 0.00 |
| 5310 - Fiduciary Insurance | 0.00 |
| 5311 - Service Contracts | 4,093.22 |
| 5312 - Rent Expense | 0.00 |
| 5315 - Professional Services | 0.00 |
| 5320 - Education and Training | 515.00 |
| 5589 - Administrative Expenses | 1,170.64 |
| 5599 - Furniture and Equipment | 0.00 |
| 5719 - Travel Expense | 791.40 |
| 5820 - Depreciation Expense Building | 0.00 |

Investments Purchased but not paid for (list individually)

| | |
|--------|------|
| 5901 - | 0.00 |
| 5902 - | 0.00 |
| 5903 - | 0.00 |
| 5904 - | 0.00 |

Accounts Payable

| | |
|-----------------------|---------------------|
| 5120 - Benefits | 22,266.54 |
| Total Payables | 9,496,353.60 |

WORCESTER COUNTY RETIREMENT SYSTEM
Accounting File
Interest Posted to the Annuity Reserve

| <u>Month</u> | <u>(Debits) Credits</u> | <u>Balance</u> | <u>Balance X .0025</u> |
|--|-----------------------------|----------------|----------------------------|
| January 1st | ----- | 74559145.49 | 186397.86 |
| January 31st | 168484.82 | 74727630.31 | 186819.08 |
| February 28 th | -38593.43 | 74689036.88 | 186722.59 |
| March 31st | -58553.48 | 74630483.40 | 186576.21 |
| April 30 th | -41790.86 | 74588692.54 | 186471.73 |
| May 31st | -717674.28 | 73871018.26 | 184677.55 |
| June 30 th | 772752.88 | 74643771.14 | 186609.43 |
| July 31st | 855022.44 | 75498793.58 | 188746.98 |
| August 31st | 404219.44 | 75903013.02 | 189757.53 |
| September 30 th | 582050.95 | 76485063.97 | 191212.66 |
| October 31st | 411382.93 | 76896446.90 | 192241.12 |
| November 30th | 303059.17 | 77199506.07 | 192998.77 |
| | | | 2259231.51 |
| Interest Posted to Military Reserve Fund | 143.84 | | |
| Interest Posted to Members Account | 274,372.71 | | |

Annual Statement of the WORCESTER COUNTY RETIREMENT SYSTEM
for the year ended December 31, 2019
Schedule No: 1 - Cash Account Activity During Year
Cash defined in Ledger #1040 as Savings, Checking or Money Market Account

Page 1

| Description | Account Type | Account Number | Interest Rate | Book Val Prev Yr | (B) | | (C) | | (D) | | (E) | | (F) | (G) |
|----------------|--------------|----------------|---------------|---------------------|-----------------------|---------------------------|-------------------------|------------------------|----------------------------|-------------------------|-------------|-------------|-------------|-----|
| | | | | | Deposits This Year | Income Reinv /redeposited | Withdrawals During Year | Total Book Val This Yr | Cash Income Not Reinvested | Int Due/Acc December 31 | | | | |
| WEBSTER FIVE | CHECKING | 603106286 | 0.0000 | 1,052,992.60 | 169,811,114.47 | 0.00 | 168,409,535.51 | 0.00 | 2,454,571.56 | 0.00 | 0.00 | 0.00 | 0.00 | |
| WEBSTER FIVE | CHECKING | 603107094 | 0.0000 | 16,924.27 | 735,000.00 | 0.00 | 705,098.47 | 46,825.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| WEBSTER FIVE | CHECKING | 603107104 | 0.0000 | 3,640.78 | 535,175.37 | 0.00 | 493,208.62 | 45,607.53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| WEBSTER FIVE | SAVINGS | 621061955 | 1.7000 | 1,766,542.77 | 120,277,589.59 | 204,294.06 | 121,982,088.02 | 266,338.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| TOTALS: | | | | 2,840,100.42 | 291,358,879.43 | 204,294.06 | 291,589,930.62 | 2,813,343.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |

Schedule No. 2

Annual Statement of the Worcester Reg. Retirement System for the Year Ended December 31, 2019

Short Term Securities* Bought and Sold or Matured During the Year as well as Still Held on December 31st

*Short Term defined in ledger #1100 as U.S. Treasury Bills, Commercial Paper, Repurchase Agreements, CDs, Term Deposits, Money Market, Cooperative Shares, Savings and Loan Shares

| Description: | (A) | (B) | (C) | (D) | (E) | (F) | (G) |
|---|---------------|------------|----------------------------|--|-------------------------------------|-------------------------------|------------------------------------|
| Including CUSIP or Account No., Interest Rate, Maturity Date (List alphabetically. Rolled over securities must be listed as sold and then repurchased.) | Date Acquired | Par Value* | Cost Including Commissions | Amount Received at Maturity (Expiration or Upon Liquidation) Less Commissions and Excluding Interest | Market Value Dec. 31st Current Year | Interest Received During Year | Interest Due and Accrued Dec. 31st |

NONE

Schedule No. 3A

Annual Statement of the Worcester Reg. Retirement System for the Year Ended December 31, 2019

Domestic Fixed Income Securities Owned at End of Year

(Foreign Fixed Income Securities must be listed on Schedule 5)

| Description: Including Maturity Date and Interest Rate (List Alphabetically) | (A) | (B) Cost or Market Value at End of Prior Year | (C) | (D) | (E) | (F) Interest Received During Year | (G) Interest Due and Accrued Dec. 31st |
|---|---------------|--|-----------------|-----------------|--------------|--|---|
| | CUSIP Number* | | Unrealized Gain | Unrealized Loss | Market Value | | |

NONE

Schedule No. 3B

Annual Statement of the Worcester Reg. Retirement System for the Year Ended December 31, 2019

Domestic Fixed Income Securities Purchased During Year

(Foreign Fixed Income Securities must be listed on Schedule 5)

| Description: Including Maturity Date and Interest Rate (List Alphabetically) | (A) CUSIP Number | (B) Par Value* | (C) Date Acquired (Trade Date) | (D) Name of Broker | (E) Commissions Paid | (F) Paid Accrued Interest | (G) Cost Excluding Accrued Interest, but Including Commissions |
|---|----------------------------|--------------------------|---|------------------------------|--------------------------------|-------------------------------------|---|
|---|----------------------------|--------------------------|---|------------------------------|--------------------------------|-------------------------------------|---|

NONE

Schedule No. 3C

Annual Statement of the Worcester Reg. Retirement System for the Year Ended December 31, 2019

Domestic Fixed Income Securities Sold During Year

(Foreign Fixed Income Securities must be listed on Schedule 5)

| Description: | (A) | (B) | (C) | (D) | (E) | (F) | (G) | (H) | (I) | (J) |
|--|--------------|------------|-----------------------------------|----------------|-------------|---------------------------------|---|------------------------|------------------------|---|
| Including Date of Maturity and Interest Rate (List alphabetically) | CUSIP Number | Par Value* | Date Sold or Matured (Trade Date) | Name of Broker | Commissions | Market Value Previous Dec. 31st | Amount Received on Sale Less Commissions Excluding Accrued Interest | = G-F Realized Gain | = G-F Realized Loss | Interest Received During Year Including Interest Sold |

NONE

Schedule No. 4A

Annual Statement of the Worcester Reg. Retirement System for the Year Ended December 31, 2019

Equities Owned at End of Year

Equities defined as stocks or options (Pooled Funds must be listed on Schedule 5)

| Description: | (A) | (B) | (C) | (D) | (E) | (F) | (G) | (H) | (I) |
|--|-----------------|---------------------|---|---|---|--|--------------------------------|--------------------------------|--------------------------------------|
| Give Complete Description (List Alphabetically) | CUSIP Number | Number of Shares | Rate Per Share Used to Obtain Current Market Value | Market Value at End of Previous Year | Net Purchases and (Sales) at Book Value Current Year | Market Value at End of Current Year | = F - D - E Unrealized Gain | = F - D - E Unrealized Loss | Dividends Received During Year |

NONE

Schedule No. 4B

Annual Statement of the Worcester Reg Retirement System for the Year Ended December 31, 2019

Equities Purchased During Year

Equities defined as stocks or options (Pooled Funds must be listed on Schedule 5)

| Description: Give Complete Description (List Alphabetically) | (A) | (B) | (C) | (D) | (E) | (F) |
|---|--------------|------------------|-------------------------------|----------------|------------------------------|---|
| | CUSIP Number | Number of Shares | Date Acquired (Trade Date) | Name of Broker | Commissions and Fees Paid | Cost to System Including Commissions and Fees |

NONE

Schedule No. 4C

Annual Statement of the Worcester Reg. Retirement System for the Year Ended December 31, 2019

Equities Sold During Year

Equities defined as stocks or options (Pooled Funds must be listed on Schedule 5)

| Description: | (A) | (B) | (C) | (D) | (E) | (F) | (G) | (H) | (I) | (J) |
|---|--------------|------------------|----------------|------------|------------------|--------------------|---|------------------------|------------------------|--------------------------------|
| Give Complete Description (List Alphabetically) | CUSIP Number | Number of Shares | Name of Broker | Date Sold | Commissions Paid | Proceeds From Sale | Market Value at Prior Year-end or Cost if Purchased in Current Year | = F-G Realized Gain | = F-G Realized Loss | Dividends Received During Year |

NONE

Annual Statement of the WORCESTER COUNTY RETIREMENT SYSTEM
for the year ended December 31, 2019

Schedule No: 5
Schedule of Pooled Funds
This schedule is to be used for PRIT Fund, and Pooled Funds
(e.g. Venture Capital, Real Estate, Mutual/Commingled Funds)

Page 1

| PERAC Ledger # | Description | (A) | (B) | (C) | (D) | (E) | (F) | (G) | (H) | (I) | (J) | (K) |
|----------------|----------------------|--------------------------|------------------------------|------------------------------|--------------------|------------------|--------------------|--------------------|---------------------------------|-----------------------|-------------------|--|
| | | Market Val End Prev Year | Total Purchases Current Year | Reinvested Investment Income | Realized Gain | Realized Loss | Unrealized Gain | Unrealized Loss | Total Sales/Redemptions Curr Yr | Cash Div/Dist Curr Yr | Fees Paid | =A+B+C+D+E+F+G+H+I+J Market Value at End of Yr |
| 1193 | AEW | 12045.00 | 0.00 | -787.00 | 298.00 | 358.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 11218.00 |
| 1199 | PRIT | 688874680.55 | 500000000.00 | 19841171.93 | 36990961.86 | 0.00 | 89488317.34 | 32262270.07 | 475000000.00 | 0.00 | 3829061.03 | 801583800.58 |
| 1198 | PRIT CASH ACCOUNT | 0.00 | 500000000.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 500000000.00 | 0.00 | 0.00 | 0.00 |
| 1193 | ASCENT VENTURES IV | 150212.00 | 0.00 | -3459.26 | 455.35 | 0.00 | 0.00 | 48248.00 | 0.00 | 0.00 | 4981.00 | 93979.09 |
| 1193 | NORTH AMERICAN STRA | 1181650.59 | 0.00 | 9783.15 | 29197.83 | 140656.24 | 261369.17 | 39744.46 | 224542.59 | 0.00 | 21770.72 | 1055286.73 |
| 1193 | ASCENT VENTURES IILP | 23111.00 | 0.00 | -638.04 | 4944.28 | 105.18 | 0.49 | 0.00 | 0.00 | 0.00 | 517.23 | 26795.32 |
| TOTALS: | | 690241699.14 | 1000000000.00 | 19846090.78 | 37025857.32 | 141119.42 | 89729687.00 | 32350252.53 | 97724542.59 | 0.00 | 3856329.98 | 802771079.72 |

Annual Statement of the WORCESTER COUNTY RETIREMENT SYSTEM
for the year ended December 31, 2019
Schedule 6
Detail of Investments Owned

| | Book Value | Interest Due & Accr | Paid Accr Int on Purch | Fees Paid Dur Curr Yr | Fixed Income Unrealized Gain | Fixed Income Unrealized Loss | Unrealized Gains | Unrealized Losses | Gains | Realized | Losses | Dividends Curr Year |
|---------------------------|-----------------------|---------------------|------------------------|-----------------------|------------------------------|------------------------------|----------------------|-----------------------|----------------------|--------------------|-------------|----------------------|
| 1. 1041-Cash | 2,454,571.56 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1. 1042-Cash | 46,825.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1. 1043-Cash | 45,607.53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1. 1044-Cash | 266,338.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 204,294.06 |
| 5. 1193-Pooled Alternativ | 1,187,279.14 | 0.00 | 0.00 | 27,288.95 | 0.00 | 0.00 | 261,369.66 | -87,992.46 | 34,895.46 | -141,119.42 | 0.00 | 4,918.85 |
| 5. 1198-PRIT Cash | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5. 1199-PRIT Fumd | 801,583,800.58 | 0.00 | 0.00 | 3,829,061.03 | 0.00 | 0.00 | 89,468,317.34 | -32,262,270.07 | 36,990,961.86 | 0.00 | 0.00 | 19,841,171.93 |
| GRAND TOTALS: | 805,584,423.01 | 0.00 | 0.00 | 3,856,329.98 | 0.00 | 0.00 | 89,729,687.00 | -32,350,262.53 | 37,025,857.32 | -141,119.42 | 0.00 | 20,050,384.84 |

Schedule No. 7
Annual Statement of The Worcester Regional Retirement System

12/31/2019

Summary of Investment Related Fees
Manager/Vendor--All Managers/Vendors Must be Listed

| | Q1 2019 | Q2 2019 | Q3 2019 | Q4 2019 | Accrued Payable Year End 2019 | Total Paid/ Accrued in 2019 | Market Value as of 12/31/2019 | *Payment Method (N,C,W) |
|--|----------------------|----------------------|----------------------|------------------------|----------------------------------|--------------------------------|-------------------------------------|----------------------------|
| 5304 Management Fees | | | | | | | | |
| 1 | | | | | | 0.00 | 11,218.00 | N |
| 2 | | | | 517.23 | | 517.23 | 26,795.32 | N |
| 3 | 4,981.00 | | | | | 4,981.00 | 93,979.09 | N |
| 7 | 4,463.54 | 5,017.52 | 5,817.47 | 6,472.19 | | 21,770.72 | 1,055,286.73 | N |
| 8 | 905,170.44 | 932,686.36 | 956,605.98 | 1,034,598.25 | | 3,829,061.03 | 801,583,800.58 | N |
| | \$ 914,614.98 | \$ 937,703.88 | \$ 962,423.45 | \$ 1,041,587.67 | | \$ 3,856,329.98 | \$ 802,771,079.72 | |
| 5305 Custodial Fees | | | | | | | | |
| 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 5307 Investment Consultant Fees | | | | | | | | |
| 18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | \$ 914,614.98 | \$ 937,703.88 | \$ 962,423.45 | \$ 1,041,587.67 | | \$ 3,856,329.98 | \$ - | |

TOTAL INVESTMENT RELATED FEES
AND EXPENSES

WORCESTER COUNTY RETIREMENT SYSTEM
Membership File
Supplemental Schedule 12/31/2019

| Member's Name | Previous Balance | Total Additions Curr Year | Total Int Curr Year | Transfer In Make-ups | Reductions | Trfto Ann Res | Trfto Pen Fund | Trfto Pen Res | Adjust Int Cr | Accumulated Deductions |
|---------------|------------------|---------------------------|---------------------|----------------------|--------------|---------------|----------------|---------------|---------------|------------------------|
| Unit: 830 | 5,861,094.80 | 529,910.96 | 5,474.61 | 84,011.48 | 171,617.72 | 647,578.95 | 0.00 | -9,348.61 | 0.00 | 5,664,643.79 |
| Unit: 835 | 5,053.95 | 2,293.12 | 5.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7,352.12 |
| Unit: 840 | 402,806.87 | 37,843.45 | 402.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 441,063.12 |
| Unit: 850 | 1,137,870.04 | 125,700.78 | 1,067.48 | 1,705.78 | 11,147.88 | 161,048.85 | 0.00 | -450.67 | 0.00 | 1,094,588.02 |
| Unit: 860 | 3,902,752.78 | 400,825.97 | 3,584.50 | 117,883.69 | 17,510.44 | 539,064.40 | 0.00 | -476.79 | 0.00 | 3,866,948.89 |
| Unit: 870 | 5,647,252.94 | 646,066.79 | 5,553.00 | 130,344.74 | 161,609.38 | 210,806.20 | 0.00 | -8,188.32 | 0.00 | 6,064,990.21 |
| Unit: 880 | 785,712.11 | 56,881.73 | 785.69 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 843,379.53 |
| Unit: 939 | 749,563.38 | 59,659.13 | 692.18 | 0.00 | 71,947.28 | 320,110.66 | 0.00 | 0.00 | 0.00 | 417,856.75 |
| | 285,748,360.99 | 30,363,406.09 | 274,372.71 | 4,694,990.53 | 5,944,629.95 | * ** ** ** ** | 0.00 | -160,017.53 | 0.00 | 297,762,873.29 |

Transfer to Annuity Reserve \$ 17,533,647.61

2018 Supplemental Schedule Ending Balance \$ 285,694,920.02

Transfer from PRF – Members Reactivated 53,440.97

2019 Supplemental Beginning Balance \$ 285,748,360.99

2019 Supplemental Schedule Ending Balance \$ 297,762,873.29

Less Transfer to PRF – Accounts 10 Years Inactive -642,135.64

2019 Supplemental Schedule Ending Balance \$ 297,120,737.65

WORCESTER COUNTY RETIREMENT SYSTEM
Membership File
Supplemental Schedule 01/01/2020

| Member's Name | Previous Balance | Total Additions Curr Year | Total Int Curr Year | Transfer In Make-ups | Reductions | Trf to Ann Res | Trf to Pen Fund | Trf to Pen Res | Adjust Int Cr | Accumulated Deductions |
|-----------------------|------------------|---------------------------|---------------------|----------------------|------------|----------------|-----------------|----------------|---------------|------------------------|
| Rulz, Ivory | 338.37 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 338.71 |
| Sacco, Michael | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Savignac, Joanne | 412.50 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 412.91 |
| Shaughnessy, Rosemary | 36,717.01 | 0.00 | 36.72 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 36,753.73 |
| Whitney, Lynn | 37,050.19 | 0.00 | 37.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 37,087.24 |
| Wright, Denise | 332.62 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 332.95 |
| | 417,856.70 | 0.00 | 417.86 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 418,274.56 |
| | 297,120,737.65 | 0.00 | 297,118.82 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 297,417,856.47 |

WORCESTER COUNTY RETIREMENT SYSTEM
Membership File
Supplemental Schedule 12/31/2019

| Member's Name | Previous Balance | Total Additions Curr Year | Total Int Curr Year | Transfer In Make-ups | Reductions | Trf to Ann Res | Trf to Pen Fund | Trf to Pen Res | Adjust Int Cr | Accumulated Deductions |
|---------------|------------------|---------------------------|---------------------|----------------------|------------|----------------|-----------------|----------------|---------------|------------------------|
| Unit: 010 | 3,781,377.76 | 371,197.50 | 3,579.76 | 64,283.60 | 179,777.08 | 185,845.63 | 0.00 | -424.76 | 0.00 | 3,855,240.67 |
| Unit: 020 | 3,160,441.64 | 386,521.94 | 3,599.83 | 29,120.74 | 31,729.46 | 142,307.41 | 0.00 | -9.56 | 0.00 | 3,405,856.84 |
| Unit: 025 | 5,399,945.03 | 585,940.21 | 5,390.61 | 200,503.67 | 64,393.92 | 184,659.64 | 0.00 | -6,655.82 | 0.00 | 5,929,381.78 |
| Unit: 026 | 188,773.34 | 26,667.70 | 185.33 | 0.00 | 7,857.10 | 0.00 | 0.00 | 0.00 | 0.00 | 207,769.27 |
| Unit: 027 | 2,408,567.22 | 240,074.99 | 2,219.17 | 4,671.71 | 100,757.87 | 316,066.94 | 0.00 | -510.19 | 0.00 | 2,239,218.47 |
| Unit: 030 | 15,249,166.34 | 1,542,747.96 | 15,001.25 | 145,537.84 | 114,001.91 | 634,092.51 | 0.00 | -4,382.68 | 0.00 | 16,208,741.65 |
| Unit: 040 | 276,062.93 | 26,979.34 | 276.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 303,318.33 |
| Unit: 050 | 667,185.28 | 49,097.62 | 667.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 716,950.09 |
| Unit: 060 | 1,718,419.99 | 212,224.11 | 1,718.41 | 0.00 | 42,261.12 | 0.00 | 0.00 | -4,709.42 | 0.00 | 1,894,810.81 |
| Unit: 070 | 88,987.63 | 8,541.84 | 88.99 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 97,618.46 |

WORCESTER COUNTY RETIREMENT SYSTEM
Membership File
Supplemental Schedule 12/31/2019

| Member's Name | Previous Balance | Total Additions Curr Year | Total Int Curr Year | Transfer In Make-ups | Reductions | Trf to Ann Res | Trf to Pen Fund | Trf to Pen Res | Adjust Int Ct | Accumulated Deductions |
|------------------|------------------|---------------------------|---------------------|----------------------|------------|----------------|-----------------|----------------|---------------|------------------------|
| Unit: 080 | 2,119,294.45 | 226,654.52 | 2,155.52 | 136,035.16 | 54,711.31 | 0.00 | 0.00 | -2,399.48 | 0.00 | 2,431,827.82 |
| Unit: 090 | 811,430.70 | 124,923.05 | 798.33 | 5,855.32 | 20,832.73 | 0.00 | 0.00 | 0.00 | 0.00 | 922,174.67 |
| Unit: 100 | 4,347,774.17 | 399,786.69 | 3,902.94 | 14,187.44 | 135,396.46 | 623,709.92 | 0.00 | -6,119.90 | 0.00 | 4,012,864.76 |
| Unit: 105 | 104,828.92 | 5,867.94 | 82.25 | 0.00 | 214.55 | 96,005.19 | 0.00 | 0.00 | 0.00 | 14,559.37 |
| Unit: 110 | 2,638,811.95 | 255,386.11 | 2,499.56 | 12,487.36 | 67,748.55 | 221,503.56 | 0.00 | -4,415.66 | 0.00 | 2,624,348.53 |
| Unit: 120 | 2,673,437.08 | 282,900.29 | 2,605.69 | 0.00 | 31,633.87 | 121,121.41 | 0.00 | -1,649.51 | 0.00 | 2,807,837.29 |
| Unit: 130 | 2,906,646.88 | 309,077.52 | 2,875.00 | 0.00 | 33,425.88 | 21,341.61 | 0.00 | 0.00 | 0.00 | 3,163,831.91 |
| Unit: 135 | 76,510.41 | 6,450.72 | 76.51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 83,037.64 |
| Unit: 140 | 1,125,190.23 | 145,765.28 | 1,126.92 | 45,619.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1,317,701.63 |
| Unit: 150 | 6,061,921.93 | 630,002.21 | 5,613.78 | 53,072.08 | 158,380.83 | 553,696.28 | 0.00 | -975.22 | 0.00 | 6,039,508.11 |

WORCESTER COUNTY RETIREMENT SYSTEM
Membership File
Supplemental Schedule 12/31/2019

| Member's Name | Previous Balance | Total Additions Curr Year | Total Int Curr Year | Transfer In Make-ups | Reductions | Trf to Ann Res | Trf to Pen Fund | Trf to Pen Res | Adjust Int Cr | Accumulated Deductions |
|---------------|------------------|---------------------------|---------------------|----------------------|------------|----------------|-----------------|----------------|---------------|------------------------|
| Unit: 160 | 223,335.24 | 33,983.36 | 223.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 257,541.94 |
| Unit: 170 | 5,618,521.62 | 618,766.96 | 5,507.60 | 64,136.67 | 153,116.55 | 135,151.87 | 0.00 | -3,363.65 | 0.00 | 6,022,018.08 |
| Unit: 180 | 3,790,458.21 | 341,087.09 | 3,493.97 | 22,430.06 | 59,390.72 | 539,968.79 | 0.00 | -9,259.52 | 0.00 | 3,567,369.34 |
| Unit: 190 | 73,474.50 | 12,154.43 | 73.48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 85,702.41 |
| Unit: 200 | 5,281,217.07 | 504,888.95 | 5,174.17 | 18,498.52 | 104,003.78 | 191,469.40 | 0.00 | -1,137.85 | 0.00 | 5,515,443.38 |
| Unit: 210 | 732,989.42 | 72,614.07 | 699.19 | 0.00 | 642.83 | 141,184.64 | 0.00 | 0.00 | 0.00 | 664,485.21 |
| Unit: 220 | 9,722,467.76 | 1,139,621.07 | 9,386.07 | 50,944.33 | 318,907.00 | 357,834.59 | 0.00 | -12,225.82 | 0.00 | 10,257,903.46 |
| Unit: 230 | 334,335.00 | 24,365.16 | 334.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 359,034.50 |
| Unit: 240 | 746,926.00 | 100,059.43 | 679.09 | 2,031.94 | 40,076.17 | 84,267.10 | 0.00 | 15.46 | 0.00 | 725,337.73 |
| Unit: 250 | 4,418,038.62 | 497,926.60 | 4,377.74 | 85,412.56 | 88,060.85 | 148,079.87 | 0.00 | -2,473.62 | 0.00 | 4,772,088.42 |

WORCESTER COUNTY RETIREMENT SYSTEM
Membership File
Supplemental Schedule 12/31/2019

| Member's Name | Previous Balance | Total Additions Curr Year | Total Int Curr Year | Transfer In Make-ups | Reductions | Trf to Ann Res | Trf to Pen Fund | Trf to Pen Res | Adjust Int Cr | Accumulated Deductions |
|------------------|------------------|---------------------------|---------------------|----------------------|------------|----------------|-----------------|----------------|---------------|------------------------|
| Unit: 260 | 21,872.75 | 5,054.17 | 21.88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 26,948.80 |
| Unit: 270 | 9,384,909.81 | 1,059,930.41 | 9,160.60 | 307,682.02 | 77,989.81 | 577,317.61 | 0.00 | -406.30 | 0.00 | 10,106,781.72 |
| Unit: 280 | 81,379.08 | 4,465.61 | 58.11 | 0.00 | 0.00 | 31,898.06 | 0.00 | 0.00 | 0.00 | 54,004.74 |
| Unit: 290 | 4,755,928.07 | 525,329.15 | 4,591.02 | 8,327.74 | 78,924.29 | 344,338.44 | 0.00 | -5,077.51 | 0.00 | 4,875,990.76 |
| Unit: 320 | 862,111.92 | 136,858.38 | 834.23 | 0.00 | 14,342.53 | 38,004.99 | 0.00 | -401.67 | 0.00 | 947,858.88 |
| Unit: 325 | 2,677,298.13 | 292,018.11 | 2,502.48 | 18,981.55 | 0.00 | 288,001.49 | 0.00 | 0.00 | 0.00 | 2,702,798.78 |
| Unit: 327 | 24,816.79 | 4,159.44 | 24.82 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 29,001.05 |
| Unit: 330 | 4,058.37 | 3,332.42 | 4.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7,394.85 |
| Unit: 340 | 5,550,432.61 | 515,322.61 | 5,045.22 | 26,149.04 | 138,359.88 | 622,603.99 | 0.00 | -3,571.04 | 0.00 | 5,339,556.65 |
| | 211,100.81 | 20,390.49 | 211.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 231,702.40 |

**WORCESTER COUNTY RETIREMENT SYSTEM
Membership File
Supplemental Schedule 12/31/2019**

| Member's Name | Previous Balance | Total Additions Curr Year | Total Int Curr Year | Transfer In Make-ups | Reductions | Trf to Ann Res | Trf to Pen Fund | Trf to Pen Res | Adjust Int Cr | Accumulated Deductions |
|------------------|------------------|---------------------------|---------------------|----------------------|------------|----------------|-----------------|----------------|---------------|------------------------|
| Unit: 350 | | | | | | | | | | |
| | 292,154.24 | 29,344.10 | 292.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 321,790.49 |
| Unit: 360 | | | | | | | | | | |
| | 5,649,697.39 | 657,629.48 | 5,630.98 | 379,955.61 | 225,796.92 | 272,363.20 | 0.00 | -4,147.23 | 0.00 | 6,188,900.57 |
| Unit: 370 | | | | | | | | | | |
| | 21,112.83 | 4,989.44 | 21.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 26,123.38 |
| Unit: 380 | | | | | | | | | | |
| | 286,441.17 | 32,152.41 | 286.95 | 3,512.75 | 16,160.94 | 0.00 | 0.00 | -965.95 | 0.00 | 307,198.29 |
| Unit: 390 | | | | | | | | | | |
| | 2,643,762.44 | 301,893.14 | 2,695.69 | 257,784.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3,206,135.44 |
| Unit: 400 | | | | | | | | | | |
| | 4,792,541.35 | 441,567.34 | 4,655.00 | 16,083.70 | 93,001.17 | 129,202.48 | 0.00 | 75.53 | 0.00 | 5,032,568.21 |
| Unit: 410 | | | | | | | | | | |
| | 7,871,093.49 | 741,616.12 | 7,657.39 | 98,059.51 | 146,895.61 | 289,700.71 | 0.00 | -3,491.03 | 0.00 | 8,285,321.22 |
| Unit: 420 | | | | | | | | | | |
| | 483,812.37 | 43,938.47 | 418.66 | 0.00 | 0.00 | 60,591.07 | 0.00 | 0.00 | 0.00 | 467,576.43 |
| Unit: 430 | | | | | | | | | | |
| | 704,218.88 | 75,826.21 | 616.60 | 9,299.63 | 28,340.57 | 94,303.33 | 0.00 | 0.00 | 0.00 | 667,317.42 |
| Unit: 440 | | | | | | | | | | |
| | 1,947,140.40 | 244,841.15 | 1,883.49 | 71,430.84 | 27,393.49 | 112,948.23 | 0.00 | 0.00 | 0.00 | 2,124,954.16 |

WORCESTER COUNTY RETIREMENT SYSTEM
Membership File
Supplemental Schedule 12/31/2019

| Member's Name | Previous Balance | Total Additions Curr Year | Total Int Curr Year | Transfer In Make-ups | Reductions | Trf to Ann Res | Trf to Pen Fund | Trf to Pen Res | Adjust Int Cr | Accumulated Deductions |
|---------------|------------------|---------------------------|---------------------|----------------------|------------|----------------|-----------------|----------------|---------------|------------------------|
| Unit: 450 | 5,813,131.85 | 624,672.36 | 5,794.80 | 41,901.11 | 165,020.88 | 48,418.31 | 0.00 | -12,216.81 | 0.00 | 6,284,277.74 |
| Unit: 455 | 522,829.77 | 69,321.48 | 509.88 | 3,313.16 | 4,865.61 | 12,953.09 | 0.00 | 0.00 | 0.00 | 578,155.59 |
| Unit: 460 | 210,707.50 | 21,575.13 | 210.70 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 232,493.33 |
| Unit: 470 | 11,267,782.28 | 1,143,548.35 | 10,924.55 | 21,448.76 | 123,579.10 | 536,166.63 | 0.00 | -1,165.88 | 0.00 | 11,785,124.09 |
| Unit: 480 | 510,288.73 | 39,342.51 | 510.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -0.00 | 550,141.53 |
| Unit: 500 | 2,304,924.02 | 266,753.42 | 2,201.11 | 22,738.83 | 57,117.85 | 156,062.43 | 0.00 | -103.34 | 0.00 | 2,383,540.44 |
| Unit: 510 | 2,010,809.82 | 253,673.86 | 1,875.26 | 73,933.01 | 96,915.72 | 224,327.32 | 0.00 | 0.00 | 0.00 | 2,019,048.91 |
| Unit: 530 | 89,203.68 | 4,987.76 | 89.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 94,280.64 |
| Unit: 540 | 305,954.41 | 26,312.82 | 243.49 | 0.00 | 197.41 | 75,850.79 | 0.00 | 0.00 | 0.00 | 256,462.52 |
| | 8,066,886.14 | 848,804.99 | 6,079.01 | 61,798.55 | 253,674.93 | 588,702.96 | 0.00 | -4,423.62 | 0.00 | 8,145,614.42 |

WORCESTER COUNTY RETIREMENT SYSTEM
Membership File
Supplemental Schedule 12/31/2019

| Member's Name | Previous Balance | Total Additions Curr Year | Total Int Curr Year | Transfer In Make-ups | Reductions | Trf to Ann Res | Trf to Pen Fund | Trf to Pen Res | Adjust Int Cr | Accumulated Deductions |
|---------------|------------------|---------------------------|---------------------|----------------------|------------|----------------|-----------------|----------------|---------------|------------------------|
| Unit: 550 | 350,412.69 | 37,810.34 | 257.11 | 7,435.79 | 0.00 | 130,388.64 | 0.00 | 0.00 | 0.00 | 265,527.29 |
| Unit: 555 | 239,836.84 | 13,998.54 | 239.84 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 254,075.22 |
| Unit: 560 | 2,784,617.69 | 347,103.13 | 2,778.42 | 0.00 | 21,513.50 | 0.00 | 0.00 | -536.79 | 0.00 | 3,113,522.53 |
| Unit: 570 | 813,326.82 | 54,834.32 | 707.11 | 0.00 | 18,111.07 | 101,709.92 | 0.00 | 0.00 | 0.00 | 749,047.26 |
| Unit: 580 | 479,431.40 | 53,260.95 | 391.65 | 0.00 | 0.00 | 96,602.24 | 0.00 | 0.00 | 0.00 | 436,481.76 |
| Unit: 590 | 2,255,097.63 | 192,654.10 | 2,152.22 | 10,586.24 | 85,442.61 | 242,171.12 | 0.00 | 0.00 | 0.00 | 2,132,876.46 |
| Unit: 600 | 4,658,053.52 | 472,584.58 | 4,468.85 | 175,069.49 | 69,491.51 | 272,874.82 | 0.00 | -2,837.53 | 0.00 | 4,970,647.64 |
| Unit: 610 | 1,772,232.64 | 227,896.41 | 1,790.84 | 57,898.38 | 35,921.50 | 0.00 | 0.00 | -529.23 | 0.00 | 2,024,426.00 |
| Unit: 620 | 256,568.07 | 24,134.51 | 256.58 | 0.00 | 8,892.95 | 0.00 | 0.00 | -588.58 | 0.00 | 272,654.79 |
| Unit: 630 | 2,831,881.34 | 362,854.26 | 2,696.74 | 182,734.13 | 132,703.93 | 246,191.86 | 0.00 | -2,384.67 | 0.00 | 3,003,655.35 |

WORCESTER COUNTY RETIREMENT SYSTEM
Membership File
Supplemental Schedule 12/31/2019

| Member's Name | Previous Balance | Total Additions Curr Year | Total Int Curr Year | Transfer In Make-ups | Reductions | Trf to Ann Res | Trf to Pen Fund | Trf to Pen Res | Adjust Int Cr | Accumulated Deductions |
|---------------|------------------|---------------------------|---------------------|----------------------|------------|----------------|-----------------|----------------|---------------|------------------------|
| Unit: 640 | 9,630,237.64 | 1,005,330.98 | 9,163.96 | 160,572.60 | 273,253.14 | 988,573.49 | 0.00 | -195.03 | 0.00 | 9,543,668.58 |
| Unit: 650 | 28,897.86 | 9,406.80 | 28.90 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 38,333.56 |
| Unit: 660 | 4,071,696.78 | 403,938.29 | 4,026.93 | 48,895.38 | 1.11 | 50,062.47 | 0.00 | 0.00 | 0.00 | 4,478,693.80 |
| Unit: 670 | 1,726,480.21 | 289,969.55 | 1,706.88 | 27,932.24 | 56,664.84 | 28,083.09 | 0.00 | -4,874.93 | 0.00 | 1,966,215.88 |
| Unit: 680 | 282,888.19 | 29,186.05 | 282.88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 312,357.12 |
| Unit: 690 | 5,043,350.73 | 504,481.23 | 5,079.15 | 113,796.75 | 60,095.40 | 90,690.84 | 0.00 | 0.00 | 0.00 | 5,515,921.62 |
| Unit: 700 | 4,654.61 | 5,384.86 | 4.65 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 10,044.14 |
| Unit: 710 | 5,792,528.94 | 741,712.55 | 5,508.18 | 96,417.63 | 116,587.09 | 291,573.40 | 0.00 | -3,802.19 | 0.00 | 6,231,809.00 |
| Unit: 720 | 6,070,247.74 | 656,380.60 | 5,922.03 | 62,174.83 | 117,589.03 | 237,194.56 | 0.00 | -7,292.89 | 0.00 | 6,447,234.50 |
| Unit: 730 | 3,793,490.89 | 386,279.59 | 3,812.57 | 176,390.47 | 100,563.77 | 105,976.41 | 0.00 | -1,347.69 | 0.00 | 4,154,781.03 |

WORCESTER COUNTY RETIREMENT SYSTEM
Membership File
Supplemental Schedule 12/31/2019

| Member's Name | Previous Balance | Total Additions Curr Year | Total Int Curr Year | Transfer In Make-ups | Reductions | Trf to Ann Res | Trf to Pen Fund | Trf to Pen Res | Adjust Int Cr | Accumulated Deductions |
|---------------|------------------|------------------------------|------------------------|-------------------------|------------|-------------------|--------------------|-------------------|------------------|---------------------------|
| Unit: 740 | 3,772,660.35 | 373,419.31 | 3,616.90 | 104,461.18 | 124,921.66 | 223,967.99 | 0.00 | -9,285.09 | 0.00 | 3,914,553.18 |
| Unit: 750 | 82,263.28 | 8,846.94 | 96.44 | 17,024.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 108,230.95 |
| Unit: 760 | 4,070,771.29 | 375,310.60 | 3,921.14 | 151,849.63 | 54,091.64 | 389,518.36 | 0.00 | 0.00 | 0.00 | 4,158,242.66 |
| Unit: 770 | 8,201,732.00 | 835,466.98 | 8,160.31 | 220,048.25 | 188,118.43 | 331,803.13 | 0.00 | -5,508.35 | 0.00 | 8,750,994.33 |
| Unit: 780 | 218,006.23 | 20,253.47 | 140.30 | 0.00 | 0.00 | 118,748.67 | 0.00 | 0.00 | 0.00 | 119,651.33 |
| Unit: 790 | 9,849,075.15 | 1,187,030.17 | 9,591.79 | 105,789.85 | 213,604.52 | 419,052.47 | 0.00 | -7,550.04 | 0.00 | 10,526,380.01 |
| Unit: 800 | 1,503,902.65 | 134,514.20 | 1,402.27 | 2,626.60 | 17,753.35 | 182,073.71 | 0.00 | -2,449.00 | 0.00 | 1,445,067.66 |
| Unit: 810 | 123,040.48 | 8,731.71 | 123.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 131,895.23 |
| Unit: 820 | 20,254,482.81 | 2,118,716.89 | 18,838.56 | 262,112.93 | 459,575.95 | 1,905,714.87 | 0.00 | -1,789.08 | 0.00 | 20,250,649.45 |
| Unit: 825 | 179,239.23 | 20,806.24 | 179.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 200,224.71 |

WORCESTER COUNTY RETIREMENT SYSTEM
Membership File
Supplemental Schedule 12/31/2019

| Member's Name | Previous Balance | Total Additions Curr Year | Total Int Curr Year | Transfer In Make-ups | Reductions | Trfto Ann Res | Trfto Pen Fund | Trfto Pen Res | Adjust Int Cr | Accumulated Deductions |
|------------------|------------------|---------------------------|---------------------|----------------------|--------------|---------------|----------------|---------------|---------------|------------------------|
| Unit: 830 | | | | | | | | | | |
| | 5,861,094.80 | 529,910.96 | 5,474.61 | 84,011.48 | 171,617.72 | 647,578.95 | 0.00 | -3,348.61 | 0.00 | 5,864,643.79 |
| Unit: 835 | | | | | | | | | | |
| | 5,053.95 | 2,293.12 | 5.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7,352.12 |
| Unit: 840 | | | | | | | | | | |
| | 402,806.87 | 37,843.45 | 402.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 441,053.12 |
| Unit: 850 | | | | | | | | | | |
| | 1,137,870.04 | 125,700.78 | 1,067.48 | 1,705.78 | 11,147.88 | 161,048.85 | 0.00 | -450.67 | 0.00 | 1,094,598.02 |
| Unit: 860 | | | | | | | | | | |
| | 3,902,752.78 | 400,825.97 | 3,584.50 | 117,883.69 | 17,510.44 | 539,064.40 | 0.00 | -476.79 | 0.00 | 3,868,948.89 |
| Unit: 870 | | | | | | | | | | |
| | 5,647,252.94 | 646,066.79 | 5,553.00 | 130,344.74 | 161,609.38 | 210,806.20 | 0.00 | -8,188.32 | 0.00 | 6,064,990.21 |
| Unit: 880 | | | | | | | | | | |
| | 785,712.11 | 56,881.73 | 785.69 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 843,379.53 |
| Unit: 939 | | | | | | | | | | |
| | 749,563.38 | 59,659.13 | 692.18 | 0.00 | 71,947.28 | 320,110.66 | 0.00 | 0.00 | 0.00 | 417,856.75 |
| | 285,748,360.99 | 30,363,406.09 | 274,372.71 | 4,694,990.53 | 5,944,626.95 | *** ** * | 0.00 | -160,017.53 | 0.00 | 297,762,873.29 |

Transfer to Annuity Reserve \$ 17,533,647.61

2018 Supplemental Schedule Ending Balance \$ 285,694,920.02

Transfer from PRF -- Members Reactivated 53,440.97

2019 Supplemental Beginning Balance \$ 285,748,360.99

2019 Supplemental Schedule Ending Balance \$ 297,762,873.29

Less Transfer to PRF -- Accounts 10 Years Inactive -642,135.64

2019 Supplemental Schedule Ending Balance \$ 297,120,737.65