PUBLIC SCHOOL RETIREMENT SYSTEM OF THE CITY OF ST. LOUIS

SCHEDULES OF PENSION INFORMATION
FOR PARTICIPATING EMPLOYERS
AND
INDEPENDENT AUDITORS' REPORT
YEARS ENDED DECEMBER 31, 2018 AND 2017
# Contents

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</tbody>
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Independent Auditors’ Report

The Board of Trustees
Public School Retirement System of the City of St. Louis
St. Louis, Missouri

Report on the Schedules

We have audited the accompanying schedules of employer allocations for Public School Retirement System of the City of St. Louis (the "System") as of and for the years ended December 31, 2018 and 2017, and the related notes to the schedules. We have also audited the total for all entities of the columns titled net pension liability, total deferred outflows of resources, total deferred inflows of resources, and total employer pension plan expense ("specified column totals") included in the accompanying schedules of pension amounts by employer of the System as of and for the years ended December 31, 2018 and 2017, and the related notes to the schedules.

Management’s Responsibility for the Schedules

The System’s management is responsible for the preparation and fair presentation of these schedules in accordance with accounting principles generally accepted in the United States of America; 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 schedules of employer allocations and the specified column totals included in the schedules of pension amounts by employer based on our audits. We conducted our audits in accordance with auditing standards generally accepted in the United States of America. Those standards require that we plan and perform the audits to obtain reasonable assurance about whether the schedules of employer allocations and specified column totals included in the schedules of pension amounts by employer are free from material misstatement.
An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the schedules of employer allocations and specified column totals included in the schedules of pension amounts by employer. The procedures selected depend on the auditors' judgment, including the assessment of the risks of material misstatement of the schedules of employer allocations and specified column totals included in the schedules of pension amounts by employer, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the System's preparation and fair presentation of the schedules of employer allocations and specified column totals included in the schedules of pension amounts by employer in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the System's internal control. Accordingly, 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 schedules of employer allocations and specified column totals included in the schedules of pension amounts by employer.

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 accompanying schedules referred to above present fairly, in all material respects, the employer allocations and net pension liability, total deferred outflows of resources, total deferred inflows of resources, and total employer pension plan expense for the total of all participating entities of the System as of and for the years ended December 31, 2018 and 2017, in accordance with accounting principles generally accepted in the United States of America.

Other Matters

We have audited, in accordance with auditing standards generally accepted in the United States of America, the financial statements of the System as of and for the years ended December 31, 2018 and 2017, and our report thereon, dated April 19, 2019, expressed an unmodified opinion on those financial statements.

Restriction of Use

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

October 22, 2019
## Public School Retirement System of the City of St. Louis
### Schedules of Employer Allocations
#### As of and for the years ended December 31, 2018 and 2017

<table>
<thead>
<tr>
<th>Employer</th>
<th>Employer Name</th>
<th>Compensation 2018</th>
<th>Employer Allocation Percentage 2018</th>
<th>Compensation 2017</th>
<th>Employer Allocation Percentage 2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Public Schools Retirement System of the City of St. Louis</td>
<td>$453,896</td>
<td>0.19 %</td>
<td>$535,096</td>
<td>0.23 %</td>
</tr>
<tr>
<td>2</td>
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<td>173,914,543</td>
<td>74.05</td>
<td>175,741,386</td>
<td>74.74</td>
</tr>
<tr>
<td>3</td>
<td>Better Learning Communities Academy</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>4</td>
<td>Carondelet Leadership Academy</td>
<td>2,873,970</td>
<td>1.22</td>
<td>2,269,316</td>
<td>0.97</td>
</tr>
<tr>
<td>5</td>
<td>City Garden Montessori School</td>
<td>1,540,555</td>
<td>0.66</td>
<td>1,600,524</td>
<td>0.68</td>
</tr>
<tr>
<td>6</td>
<td>Confluence Academy</td>
<td>13,829,432</td>
<td>5.89</td>
<td>14,138,330</td>
<td>6.01</td>
</tr>
<tr>
<td>7</td>
<td>Construction Career Center</td>
<td>13,829,432</td>
<td>5.89</td>
<td>14,138,330</td>
<td>6.01</td>
</tr>
<tr>
<td>8</td>
<td>EAGLE College Preparatory School</td>
<td>2,326,056</td>
<td>0.99</td>
<td>2,236,495</td>
<td>0.95</td>
</tr>
<tr>
<td>9</td>
<td>Gateway Science Academy of St. Louis</td>
<td>6,303,930</td>
<td>2.68</td>
<td>5,785,082</td>
<td>2.46</td>
</tr>
<tr>
<td>10</td>
<td>Grand Center Arts Academy</td>
<td>2,258,217</td>
<td>0.96</td>
<td>3,124,331</td>
<td>1.33</td>
</tr>
<tr>
<td>11</td>
<td>Hawthorn Leadership School for Girls</td>
<td>1,269,306</td>
<td>0.54</td>
<td>1,210,545</td>
<td>0.51</td>
</tr>
<tr>
<td>12</td>
<td>JAMAA Learning Center</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>13</td>
<td>KIPP Inspire Academy</td>
<td>9,884,630</td>
<td>4.21</td>
<td>8,155,182</td>
<td>3.47</td>
</tr>
<tr>
<td>14</td>
<td>La Salle Middle School</td>
<td>458,971</td>
<td>0.20</td>
<td>692,541</td>
<td>0.29</td>
</tr>
<tr>
<td>15</td>
<td>Lafayette Preparatory Academy</td>
<td>1,481,246</td>
<td>0.63</td>
<td>1,364,175</td>
<td>0.58</td>
</tr>
<tr>
<td>16</td>
<td>Lift for Life Academy</td>
<td>3,579,585</td>
<td>1.52</td>
<td>3,601,413</td>
<td>1.53</td>
</tr>
<tr>
<td>17</td>
<td>North Side Community School</td>
<td>2,680,694</td>
<td>1.14</td>
<td>2,126,487</td>
<td>0.90</td>
</tr>
<tr>
<td>18</td>
<td>Precursus Mastery Academy</td>
<td>417,344</td>
<td>0.18</td>
<td>754,013</td>
<td>0.32</td>
</tr>
<tr>
<td>19</td>
<td>Premier Charter School</td>
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<td>2.66</td>
<td>5,915,343</td>
<td>2.52</td>
</tr>
<tr>
<td>20</td>
<td>South City Preparatory Academy</td>
<td>1,992,826</td>
<td>0.85</td>
<td>1,917,863</td>
<td>0.82</td>
</tr>
<tr>
<td>21</td>
<td>St. Louis Language Immersion School</td>
<td>2,296,257</td>
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<td>3,177,575</td>
<td>1.35</td>
</tr>
<tr>
<td>22</td>
<td>The Arch Community School</td>
<td>399,338</td>
<td>0.17</td>
<td>176,366</td>
<td>0.08</td>
</tr>
<tr>
<td>23</td>
<td>The Biome</td>
<td>661,292</td>
<td>0.28</td>
<td>610,529</td>
<td>0.26</td>
</tr>
</tbody>
</table>

Total Compensation for all Employers

<table>
<thead>
<tr>
<th>2018</th>
<th>2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>$234,861,248</td>
<td>100.00 %</td>
</tr>
</tbody>
</table>

See notes to schedules
Public School Retirement System of the City of St. Louis  
Schedule of Pension Amounts by Employer  
As of and for the year ended December 31, 2018

<table>
<thead>
<tr>
<th>ER#</th>
<th>Employer Name</th>
<th>Beginning Net Pension Liability</th>
<th>Ending Net Pension Liability</th>
<th>Difference Between Expected and Actual Experience</th>
<th>Changes in Assumptions</th>
<th>Net Difference Between Projected and Actual Investment Earnings on Pension Plan Investments</th>
<th>Differences Between Employer Contributions and Proportionate Share of Contributions</th>
<th>Changes in Proportion and Differences Between Employer Contributions and Proportionate Share of Contributions</th>
<th>Total Deferred Outflows of Resources</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Public Schools Retirement System of the City of St. Louis</td>
<td>$ 1,727,361</td>
<td>$ 1,621,273</td>
<td>$ 3,089</td>
<td>$ 397,711</td>
<td>$ 215,095</td>
<td>$ 28,168</td>
<td>$ 644,063</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>St. Louis Public Schools</td>
<td>567,317,055</td>
<td>621,205,925</td>
<td>1,183,395</td>
<td>152,386,786</td>
<td>82,415,738</td>
<td>-</td>
<td>-</td>
<td>235,985,919</td>
</tr>
<tr>
<td>3</td>
<td>Better Learning Communities Academy</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>4</td>
<td>Carondelet Leadership Academy</td>
<td>7,325,660</td>
<td>10,265,542</td>
<td>19,556</td>
<td>2,518,220</td>
<td>1,361,935</td>
<td>987,759</td>
<td>4,887,470</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>City Garden Montessori School</td>
<td>5,166,708</td>
<td>5,502,713</td>
<td>10,483</td>
<td>1,349,860</td>
<td>730,048</td>
<td>145,588</td>
<td>2,235,979</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Confluence Academy</td>
<td>45,640,450</td>
<td>49,397,394</td>
<td>19,556</td>
<td>2,518,220</td>
<td>1,361,935</td>
<td>987,759</td>
<td>4,887,470</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>Construction Career Center</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>8</td>
<td>EAGLE College Preparatory School</td>
<td>7,219,710</td>
<td>8,308,448</td>
<td>15,828</td>
<td>2,038,129</td>
<td>1,102,286</td>
<td>610,785</td>
<td>3,767,028</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>Gateway Science Academy of St. Louis</td>
<td>18,675,029</td>
<td>22,517,028</td>
<td>42,895</td>
<td>5,523,607</td>
<td>2,987,347</td>
<td>1,313,374</td>
<td>9,867,223</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>Grand Center Arts Academy</td>
<td>10,085,765</td>
<td>8,066,133</td>
<td>15,366</td>
<td>1,978,687</td>
<td>1,070,138</td>
<td>101,946</td>
<td>3,166,137</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>JAMAA Learning Center</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>8,591</td>
<td>8,591</td>
</tr>
</tbody>
</table>

See notes to schedules
Public School Retirement System of the City of St. Louis  
Schedule of Pension Amounts by Employer (Continued)  
As of and for the year ended December 31, 2018

<table>
<thead>
<tr>
<th>ER#</th>
<th>Employer Name</th>
<th>Beginning Net Pension Liability</th>
<th>Ending Net Pension Liability</th>
<th>Difference Between Expected and Actual Experience</th>
<th>Changes in Assumptions</th>
<th>Net Difference Between Projected and Actual Investment Earnings on Pension Plan Investments</th>
<th>Differences Between Employer Contributions and Proportionate Share of Contributions</th>
<th>Changes in Proportion and Differences Between Employer Contributions and Proportionate Share of Contributions</th>
<th>Total Deferred Outflows of Resources</th>
</tr>
</thead>
<tbody>
<tr>
<td>14</td>
<td>La Salle Middle School</td>
<td>2,235,616</td>
<td>1,639,402</td>
<td>3,123</td>
<td>402,158</td>
<td>217,500</td>
<td>145,765</td>
<td>768,546</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>Lafayette Preparatory Academy</td>
<td>4,403,741</td>
<td>5,290,869</td>
<td>10,079</td>
<td>1,297,892</td>
<td>701,943</td>
<td>474,381</td>
<td>2,484,295</td>
<td></td>
</tr>
<tr>
<td>16</td>
<td>Lift for Life Academy</td>
<td>11,625,850</td>
<td>12,785,931</td>
<td>24,357</td>
<td>3,136,491</td>
<td>1,696,317</td>
<td>69,073</td>
<td>4,926,238</td>
<td></td>
</tr>
<tr>
<td>17</td>
<td>North Side Community School</td>
<td>6,864,588</td>
<td>9,575,180</td>
<td>18,241</td>
<td>2,348,868</td>
<td>1,270,345</td>
<td>941,949</td>
<td>4,579,403</td>
<td></td>
</tr>
<tr>
<td>18</td>
<td>Preclarus Mastery Academy</td>
<td>2,434,056</td>
<td>1,490,711</td>
<td>2,840</td>
<td>365,683</td>
<td>197,773</td>
<td>76,791</td>
<td>643,087</td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>South City Preparatory Academy</td>
<td>6,191,124</td>
<td>7,118,183</td>
<td>13,560</td>
<td>1,746,147</td>
<td>944,373</td>
<td>434,844</td>
<td>3,138,924</td>
<td></td>
</tr>
<tr>
<td>21</td>
<td>St. Louis Language Immersion School</td>
<td>10,257,644</td>
<td>8,202,007</td>
<td>15,625</td>
<td>2,012,018</td>
<td>1,088,165</td>
<td>28,596</td>
<td>3,144,404</td>
<td></td>
</tr>
<tr>
<td>22</td>
<td>The Arch Community School</td>
<td>569,334</td>
<td>1,426,396</td>
<td>2,717</td>
<td>349,906</td>
<td>189,241</td>
<td>420,407</td>
<td>962,271</td>
<td></td>
</tr>
<tr>
<td>23</td>
<td>The Biome</td>
<td>1,970,869</td>
<td>2,362,070</td>
<td>4,500</td>
<td>579,435</td>
<td>313,377</td>
<td>297,535</td>
<td>1,194,847</td>
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</tr>
</tbody>
</table>

| Total | $759,039,932 | $838,901,660 | $1,598,107 | $205,789,291 | $111,297,553 | $11,183,882 | $329,868,833 |

See notes to schedules
### Deferred Inflows of Resources

<table>
<thead>
<tr>
<th>ER#</th>
<th>Employer Name</th>
<th>Difference Between Expected and Actual Experience</th>
<th>Difference Between Projected and Actual Investment Earnings</th>
<th>Changes in Proportion and Differences Between Employer Contributions and Proportionate Share of Contributions</th>
<th>Total Deferred Inflows of Resources</th>
<th>Total Employer Pension Plan Expense</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Public Schools Retirement System of the City of St. Louis</td>
<td>$(39,693)</td>
<td>$(73,304)</td>
<td>$(118,336)</td>
<td>$(231,333)</td>
<td>$371,203</td>
</tr>
<tr>
<td>2</td>
<td>St. Louis Public Schools</td>
<td>$(15,208,884)</td>
<td>$(28,086,949)</td>
<td>$(5,822,283)</td>
<td>$(49,118,116)</td>
<td>$142,229,840</td>
</tr>
<tr>
<td>3</td>
<td>Better Learning Communities Academy</td>
<td>-</td>
<td>-</td>
<td>$(135,491)</td>
<td>$(135,491)</td>
<td>-</td>
</tr>
<tr>
<td>4</td>
<td>Carondelet Leadership Academy</td>
<td>$(251,330)</td>
<td>$(464,142)</td>
<td>$(32,920)</td>
<td>$(748,392)</td>
<td>$2,350,374</td>
</tr>
<tr>
<td>5</td>
<td>City Garden Montessori School</td>
<td>$(134,722)</td>
<td>$(248,797)</td>
<td>$(105,302)</td>
<td>$(488,821)</td>
<td>$1,259,888</td>
</tr>
<tr>
<td>6</td>
<td>Confluence Academy</td>
<td>$(1,209,388)</td>
<td>$(2,233,433)</td>
<td>$(869,009)</td>
<td>$(4,311,830)</td>
<td>$11,309,111</td>
</tr>
<tr>
<td>7</td>
<td>Construction Career Center</td>
<td>-</td>
<td>-</td>
<td>$(56,899)</td>
<td>$(56,899)</td>
<td>-</td>
</tr>
<tr>
<td>8</td>
<td>EAGLE College Preparatory School</td>
<td>$(203,414)</td>
<td>$(375,655)</td>
<td>-</td>
<td>$(579,069)</td>
<td>$1,902,283</td>
</tr>
<tr>
<td>9</td>
<td>Gateway Science Academy of St. Louis</td>
<td>$(551,281)</td>
<td>$(1,018,076)</td>
<td>-</td>
<td>$(1,569,357)</td>
<td>$5,155,446</td>
</tr>
<tr>
<td>10</td>
<td>Grand Center Arts Academy</td>
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<td>$(1,881,480)</td>
<td>$1,846,803</td>
</tr>
<tr>
<td>11</td>
<td>Hawthorn Leadership School for Girls</td>
<td>$(111,001)</td>
<td>$(204,991)</td>
<td>-</td>
<td>$(315,992)</td>
<td>$1,038,057</td>
</tr>
<tr>
<td>12</td>
<td>JAMAA Learning Center</td>
<td>-</td>
<td>-</td>
<td>$(177,923)</td>
<td>$(177,923)</td>
<td>-</td>
</tr>
</tbody>
</table>

See notes to schedules
### Deferred Inflows of Resources

<table>
<thead>
<tr>
<th>ER#</th>
<th>Employer Name</th>
<th>Difference Between Expected and Actual Experience</th>
<th>Difference Between Projected and Actual Investment Earnings</th>
<th>Changes in Proportion and Differences Between Employer Contributions and Proportionate Share of Contributions</th>
<th>Total Deferred Inflows of Resources</th>
<th>Total Employer Pension Plan Expense</th>
</tr>
</thead>
<tbody>
<tr>
<td>13</td>
<td>KIPP Inspire Academy</td>
<td>$(864,414)</td>
<td>$(1,596,353)</td>
<td>-</td>
<td>$(2,460,767)</td>
<td>$8,083,794</td>
</tr>
<tr>
<td>14</td>
<td>La Salle Middle School</td>
<td>$(40,137)</td>
<td>$(74,123)</td>
<td>$(333,445)</td>
<td>$(447,705)</td>
<td>375,353</td>
</tr>
<tr>
<td>15</td>
<td>Lafayette Preparatory Academy</td>
<td>$(129,535)</td>
<td>$(239,219)</td>
<td>-</td>
<td>$(368,754)</td>
<td>1,211,385</td>
</tr>
<tr>
<td>16</td>
<td>Lift for Life Academy</td>
<td>$(313,036)</td>
<td>$(578,098)</td>
<td>$(121,296)</td>
<td>$(1,012,430)</td>
<td>2,927,437</td>
</tr>
<tr>
<td>17</td>
<td>North Side Community School</td>
<td>$(234,428)</td>
<td>$(432,928)</td>
<td>-</td>
<td>$(667,356)</td>
<td>2,192,311</td>
</tr>
<tr>
<td>18</td>
<td>Preclarus Mastery Academy</td>
<td>$(36,497)</td>
<td>$(67,400)</td>
<td>$(526,797)</td>
<td>$(630,694)</td>
<td>341,310</td>
</tr>
<tr>
<td>19</td>
<td>Premier Charter School</td>
<td>$(545,617)</td>
<td>$(1,007,615)</td>
<td>$(196,163)</td>
<td>$(1,749,395)</td>
<td>5,102,476</td>
</tr>
<tr>
<td>20</td>
<td>South City Preparatory Academy</td>
<td>$(174,273)</td>
<td>$(321,839)</td>
<td>(9,625)</td>
<td>$(505,737)</td>
<td>1,629,762</td>
</tr>
<tr>
<td>21</td>
<td>St. Louis Language Immersion School</td>
<td>$(200,808)</td>
<td>$(370,842)</td>
<td>$(1,359,095)</td>
<td>$(1,930,745)</td>
<td>1,877,912</td>
</tr>
<tr>
<td>22</td>
<td>The Arch Community School</td>
<td>$(34,922)</td>
<td>$(64,492)</td>
<td>-</td>
<td>$(99,414)</td>
<td>326,584</td>
</tr>
<tr>
<td>23</td>
<td>The Biome</td>
<td>$(57,830)</td>
<td>$(106,798)</td>
<td>-</td>
<td>$(164,628)</td>
<td>540,812</td>
</tr>
</tbody>
</table>

$(20,538,692) $(37,929,753) $(11,183,883) $(69,652,328) $192,072,941

See notes to schedules
<table>
<thead>
<tr>
<th>ER#</th>
<th>Employer Name</th>
<th>Net Pension Liability</th>
<th>Deferred Outflows of Resources</th>
<th>Changes in Proportion and Differences Between Employer Contributions and Proportionate Share of Contributions</th>
<th>Total Deferred Outflows of Resources</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Public Schools Retirement System of the City of St. Louis</td>
<td>$876,434</td>
<td>$1,727,361</td>
<td>$7,274</td>
<td>$119,079 $46,352 $919,035</td>
</tr>
<tr>
<td>2</td>
<td>St. Louis Public Schools</td>
<td>317,772,735</td>
<td>567,317,055</td>
<td>2,388,891</td>
<td>39,109,188 -286,615,179</td>
</tr>
<tr>
<td>3</td>
<td>Better Learning Communities Academy</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>4</td>
<td>Carondelet Leadership Academy</td>
<td>3,678,215</td>
<td>7,325,660</td>
<td>30,847</td>
<td>505,010 202,899 3,903,907</td>
</tr>
<tr>
<td>5</td>
<td>City Garden Montessori School</td>
<td>2,441,426</td>
<td>5,166,708</td>
<td>21,756</td>
<td>356,178 265,828 2,876,109</td>
</tr>
<tr>
<td>6</td>
<td>Confluence Academy</td>
<td>25,540,808</td>
<td>45,640,450</td>
<td>192,185</td>
<td>3,146,320 -23,058,086</td>
</tr>
<tr>
<td>7</td>
<td>Construction Career Center</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>8</td>
<td>EAGLE College Preparatory School</td>
<td>3,034,218</td>
<td>7,219,710</td>
<td>30,401</td>
<td>497,706 904,913 4,552,394</td>
</tr>
<tr>
<td>9</td>
<td>Gateway Science Academy of St. Louis</td>
<td>8,786,673</td>
<td>18,675,029</td>
<td>78,638</td>
<td>1,287,402 964,647 10,399,489</td>
</tr>
<tr>
<td>10</td>
<td>Grand Center Arts Academy</td>
<td>5,782,678</td>
<td>10,085,765</td>
<td>42,470</td>
<td>695,283 265,583 5,361,029</td>
</tr>
<tr>
<td>11</td>
<td>Hawthorn Leadership School for Girls</td>
<td>1,611,040</td>
<td>3,907,805</td>
<td>16,455</td>
<td>269,393 613,492 2,587,761</td>
</tr>
<tr>
<td>12</td>
<td>JAMAA Learning Center</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

See notes to schedules
# Public School Retirement System of the City of St. Louis
## Schedule of Pension Amounts by Employer (Continued)
### As of and for the year ended December 31, 2017

<table>
<thead>
<tr>
<th>ER#</th>
<th>Employer Name</th>
<th>Beginning Net Pension Liability</th>
<th>Ending Net Pension Liability</th>
<th>Difference Between Expected and Actual Experience</th>
<th>Changes in Assumptions</th>
<th>Net Difference Between Projected and Actual Investment Earnings on Pension Plan Investments</th>
<th>Changes in Proportion and Differences Between Employer Contributions and Proportionate Share of Contributions</th>
<th>Total Deferred Outflows of Resources</th>
</tr>
</thead>
<tbody>
<tr>
<td>13</td>
<td>KIPP Inspire Academy</td>
<td>$11,823,165</td>
<td>$26,326,036</td>
<td>$110,855</td>
<td>$11,374,524</td>
<td>$1,814,840</td>
<td>$2,906,912</td>
<td>$16,207,131</td>
</tr>
<tr>
<td>14</td>
<td>La Salle Middle School</td>
<td>1,090,886</td>
<td>2,235,616</td>
<td>9,414</td>
<td>965,928</td>
<td>154,117</td>
<td>318,891</td>
<td>1,448,350</td>
</tr>
<tr>
<td>15</td>
<td>Lafayette Preparatory Academy</td>
<td>1,706,130</td>
<td>4,403,741</td>
<td>18,544</td>
<td>1,902,697</td>
<td>303,581</td>
<td>539,921</td>
<td>2,764,743</td>
</tr>
<tr>
<td>16</td>
<td>Lift for Life Academy</td>
<td>6,663,959</td>
<td>11,625,850</td>
<td>48,955</td>
<td>5,023,108</td>
<td>801,452</td>
<td>150,016</td>
<td>6,023,531</td>
</tr>
<tr>
<td>17</td>
<td>North Side Community School</td>
<td>3,667,415</td>
<td>6,864,588</td>
<td>28,906</td>
<td>2,965,939</td>
<td>473,225</td>
<td>315,603</td>
<td>3,783,673</td>
</tr>
<tr>
<td>18</td>
<td>Preclarus Mastery Academy</td>
<td>1,114,527</td>
<td>2,434,056</td>
<td>10,249</td>
<td>1,051,667</td>
<td>167,797</td>
<td>131,564</td>
<td>1,361,277</td>
</tr>
<tr>
<td>19</td>
<td>Premier Charter School</td>
<td>10,951,973</td>
<td>19,095,531</td>
<td>80,409</td>
<td>8,250,486</td>
<td>1,316,390</td>
<td>478,323</td>
<td>10,125,608</td>
</tr>
<tr>
<td>20</td>
<td>South City Preparatory Academy</td>
<td>2,706,540</td>
<td>6,191,124</td>
<td>26,070</td>
<td>2,674,960</td>
<td>426,798</td>
<td>550,392</td>
<td>3,678,220</td>
</tr>
<tr>
<td>21</td>
<td>St. Louis Language Immersion School</td>
<td>5,787,581</td>
<td>10,257,644</td>
<td>43,193</td>
<td>4,431,955</td>
<td>707,132</td>
<td>57,191</td>
<td>5,239,471</td>
</tr>
<tr>
<td>22</td>
<td>The Arch Community School</td>
<td>-</td>
<td>569,334</td>
<td>2,397</td>
<td>245,988</td>
<td>39,248</td>
<td>156,655</td>
<td>444,288</td>
</tr>
<tr>
<td>23</td>
<td>The Biome</td>
<td>645,375</td>
<td>1,970,869</td>
<td>8,299</td>
<td>851,541</td>
<td>135,866</td>
<td>394,466</td>
<td>1,390,172</td>
</tr>
</tbody>
</table>

|             | $415,681,778                      | $759,039,932            | $3,196,208                                | $327,953,592            | $52,326,005                        | $9,293,718                           | $392,769,523                         |

See notes to schedules
## Deferred Inflows of Resources

<table>
<thead>
<tr>
<th>ER#</th>
<th>Employer Name</th>
<th>Difference Between Expected and Actual Experience</th>
<th>Difference Between Projected and Actual Investment Earnings</th>
<th>Changes in Proportion and Differences Between Employer Contributions and Proportionate Share of Contributions</th>
<th>Total Deferred Inflows of Resources</th>
<th>Total Employer Pension Plan Expense</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Public Schools Retirement System of the City of St. Louis</td>
<td>(21,064) $</td>
<td>(115,090) $</td>
<td>(10,157) $</td>
<td>(146,311) $</td>
<td>450,204</td>
</tr>
<tr>
<td>2</td>
<td>St. Louis Public Schools</td>
<td>(6,918,094)</td>
<td>(37,798,972) $</td>
<td>(6,323,888) $</td>
<td>(51,040,954) $</td>
<td>141,442,661</td>
</tr>
<tr>
<td>3</td>
<td>Better Learning Communities Academy</td>
<td>-</td>
<td>-</td>
<td>(305,654) $</td>
<td>(305,654) $</td>
<td>(170,164)</td>
</tr>
<tr>
<td>4</td>
<td>Carondelet Leadership Academy</td>
<td>(89,332)</td>
<td>(488,091) $</td>
<td>(65,840) $</td>
<td>(643,263) $</td>
<td>1,915,083</td>
</tr>
<tr>
<td>5</td>
<td>City Garden Montessori School</td>
<td>(63,005)</td>
<td>(344,245) $</td>
<td>(44,084) $</td>
<td>(451,334) $</td>
<td>1,412,110</td>
</tr>
<tr>
<td>6</td>
<td>Confluence Academy</td>
<td>(556,558)</td>
<td>(3,040,913) $</td>
<td>(958,608) $</td>
<td>(4,556,079) $</td>
<td>11,097,801</td>
</tr>
<tr>
<td>7</td>
<td>Construction Career Center</td>
<td>-</td>
<td>-</td>
<td>(199,146) $</td>
<td>(199,146) $</td>
<td>(142,247)</td>
</tr>
<tr>
<td>8</td>
<td>EAGLE College Preparatory School</td>
<td>(88,040)</td>
<td>(481,032) $</td>
<td>-</td>
<td>(569,072) $</td>
<td>2,262,119</td>
</tr>
<tr>
<td>9</td>
<td>Gateway Science Academy of St. Louis</td>
<td>(227,731)</td>
<td>(1,244,272) $</td>
<td>-</td>
<td>(1,472,003) $</td>
<td>5,153,215</td>
</tr>
<tr>
<td>10</td>
<td>Grand Center Arts Academy</td>
<td>(122,990)</td>
<td>(671,990) $</td>
<td>(130,279) $</td>
<td>(925,259) $</td>
<td>2,681,954</td>
</tr>
<tr>
<td>11</td>
<td>Hawthorn Leadership School for Girls</td>
<td>(47,653)</td>
<td>(260,368) $</td>
<td>-</td>
<td>(308,021) $</td>
<td>1,293,275</td>
</tr>
<tr>
<td>12</td>
<td>JAMAA Learning Center</td>
<td>-</td>
<td>-</td>
<td>(355,846) $</td>
<td>(355,846) $</td>
<td>(156,444)</td>
</tr>
</tbody>
</table>

See notes to schedules
Public School Retirement System of the City of St. Louis
Schedule of Pension Amounts by Employer (Continued)
As of and for the year ended December 31, 2017

Deferred Inflows of Resources

<table>
<thead>
<tr>
<th>ER#</th>
<th>Employer Name</th>
<th>Difference Between Expected and Actual Experience</th>
<th>Difference Between Projected and Actual Investment Earnings</th>
<th>Changes in Proportion and Differences Between Employer Contributions and Proportionate Share of Contributions</th>
<th>Total Deferred Inflows of Resources</th>
<th>Total Employer Pension Plan Expense</th>
</tr>
</thead>
<tbody>
<tr>
<td>13</td>
<td>KIPP Inspire Academy</td>
<td>$(321,030)</td>
<td>$(1,754,041)</td>
<td>-</td>
<td>$(2,075,071)</td>
<td>$8,107,281</td>
</tr>
<tr>
<td>14</td>
<td>La Salle Middle School</td>
<td>(27,262)</td>
<td>(148,954)</td>
<td>-</td>
<td>(176,216)</td>
<td>741,650</td>
</tr>
<tr>
<td>15</td>
<td>Lafayette Preparatory Academy</td>
<td>(53,701)</td>
<td>(293,411)</td>
<td>-</td>
<td>(347,112)</td>
<td>1,355,388</td>
</tr>
<tr>
<td>16</td>
<td>Lift for Life Academy</td>
<td>(141,770)</td>
<td>(774,602)</td>
<td>(149,304)</td>
<td>(1,065,676)</td>
<td>2,984,115</td>
</tr>
<tr>
<td>17</td>
<td>North Side Community School</td>
<td>(83,710)</td>
<td>(457,371)</td>
<td>-</td>
<td>(541,081)</td>
<td>1,916,763</td>
</tr>
<tr>
<td>18</td>
<td>Preclarus Mastery Academy</td>
<td>(29,682)</td>
<td>(162,175)</td>
<td>(91,525)</td>
<td>(283,382)</td>
<td>628,000</td>
</tr>
<tr>
<td>19</td>
<td>Premier Charter School</td>
<td>(232,859)</td>
<td>(1,272,289)</td>
<td>(376,024)</td>
<td>(1,881,172)</td>
<td>4,915,361</td>
</tr>
<tr>
<td>20</td>
<td>South City Preparatory Academy</td>
<td>(75,497)</td>
<td>(412,500)</td>
<td>(33,688)</td>
<td>(521,685)</td>
<td>1,776,464</td>
</tr>
<tr>
<td>21</td>
<td>St. Louis Language Immersion School</td>
<td>(125,086)</td>
<td>(683,442)</td>
<td>(249,676)</td>
<td>(1,058,204)</td>
<td>2,489,328</td>
</tr>
<tr>
<td>22</td>
<td>The Arch Community School</td>
<td>(6,943)</td>
<td>(37,933)</td>
<td>-</td>
<td>(44,876)</td>
<td>200,732</td>
</tr>
<tr>
<td>23</td>
<td>The Biome</td>
<td>(24,034)</td>
<td>(131,314)</td>
<td>-</td>
<td>(155,348)</td>
<td>671,858</td>
</tr>
<tr>
<td></td>
<td></td>
<td>$(9,256,041)</td>
<td>$(50,573,005)</td>
<td>$(9,293,719)</td>
<td>$(69,122,765)</td>
<td>$193,026,507</td>
</tr>
</tbody>
</table>

See notes to schedules
1. Description of System

General

The Public School Retirement System of the City of St. Louis (the "System") is the administrator of a cost-sharing multiple-employer defined benefit pension plan existing under provisions of the Revised Statutes of the State of Missouri (the “Statutes”) to provide retirement benefits for all employees of the Board of Education of the City of St. Louis, of the Charter Schools located within the St. Louis Public School District, and of all employees of the System.

Operations and management of the System are generally prescribed in the Statutes and are supervised by the Board of Trustees. The System's annual reports for December 31, 2018 and 2017 are available at www.psrsstl.org.

Membership and Eligibility

All persons employed on a full-time basis by the St. Louis Schools Board of Education, Charter Schools in the City of St. Louis, and the System are members of the plan as a condition of employment.

Benefits

Upon retirement at age 65, or at any age if age plus years of credited service equals or exceeds 80 (Rule of 80) for the years ended December 31, 2018 and 2017, members receive monthly payments for life of yearly benefits equal to years of credited service multiplied by two percent of average final compensation, but not to exceed 60% of average final compensation. Early retirement can occur at age 60 with five years of service. The service retirement allowance is reduced five ninths of one percent for each month of commencement prior to age 65 or the age at which the Rule of 80 would apply for the years ended December 31, 2018 and 2017, would have been satisfied had the employee continued working until that age, if earlier.

In lieu of the benefit paid over the lifetime of the member, reduced benefit options are available for survivor and beneficiary payments.

Members are eligible, after accumulation of five years of credited service, for disability benefits prior to eligibility of normal retirement. Survivor benefits are available for qualified beneficiaries of members who die after at least 18 months of active membership.
Contributions by Members

Member contribution rates are established by state laws and are paid by the employee based on Missouri Revised Statutes 169.440 - 169.597. Active members hired before January 1, 2018 contribute 5.50% of covered compensation for the year ended December 31, 2018. This rate increases 0.50% per year until it reaches 9.00%. After this, the contribution rate will remain at 9.00% of covered compensation. Active members hired on or after January 1, 2018 contribute 9.00% of covered compensation. Active members contributed 5.00% of covered compensation for the year ended December 31, 2017.

Accumulated contributions are credited at the rate of interest established by the Board of Trustees. The current crediting rate is 5.00%.

Contributions by Employers

Employer contribution rates are established by state law and are paid by the employers based on Missouri Revised Statute 169.440 - 169.597. The System's contractually required contribution rate applied to St. Louis Public Schools and the Retirement System for the year ended December 31, 2018 was 19.10% of annual payroll, actuarially determined as an amount that, when combined with employee contributions, was expected to finance the costs of benefits earned by employees during the year, with an additional amount to finance any unfunded accrued liability. For all other employers, the System's contractually required contribution rate will be set at 16.00% of covered payroll for the year ended December 31, 2018. This contribution rate shall be decreased by 0.50% in each subsequent year until reaching 9.00% of covered payroll. After this, the contribution rate will remain at 9.00% of covered payroll. St. Louis Public Schools and the Retirement System will apply the contractually required contribution rate of 16.00% in the year ended December 31, 2019, which shall be decreased by 0.50% in each subsequent year until reaching 9.00% of covered payroll.

The System's contractually required contribution rate for the year ended December 31, 2017 was 15.73% of annual payroll, actuarially determined as an amount that, when combined with employee contributions, was expected to finance the costs of benefits earned by employees during the year, with an additional amount to finance any unfunded accrued liability.
Summary of Significant Accounting Policies

Basis of Presentation and Accounting

The schedules of the System have been prepared in accordance with the criteria established by the Governmental Accounting Standards Board ("GASB"), which is the source of authoritative accounting principles generally accepted in the United States of America ("GAAP"), as applied to governmental units. The System's schedules are prepared using the accrual basis of accounting.

The System's employers are required to report pension information in their schedules for periods beginning after June 15, 2014, in accordance with Governmental Accounting Standards Board Statement No. 68, Accounting and Financial Reporting for Pensions. The Schedules of Employer Allocations and Pension Amounts by Employer provide employers with the required information for financial reporting under that standard.

The underlying financial information used to prepare the pension allocation schedules is based on the System's financial statements, accounting, and payroll reporting systems.

Member and employer contributions are recognized when due, pursuant to formal commitments and statutory requirements. Benefits and refunds of employee contributions are recognized when due and payable in accordance with the State of Missouri statutes governing the System. Expenses are recognized when the liability is incurred, regardless of when payment is made. Investments are reported at fair value on a trade date basis.

Total employer compensation as of and for the years ended December 31, 2018 and 2017, was used as the basis for determining each employer's proportionate share of the collective pension amounts reported on the schedules.

Use of Estimates

The preparation of schedules in conformity with GAAP requires management to make estimates and assumptions that affect certain reported amounts and disclosures. Accordingly, actual results could differ from those estimates.

Fair Value Measurements

The System follows guidance issued by the GASB on fair value measurements, which establishes a framework for measuring fair value, clarifies the definition of fair value within that framework, and expands disclosures about the use of fair value measurements. This guidance applies whenever fair value is the applicable measurement. The three general valuation techniques used to measure fair value are the market approach, cost approach, and income approach.

Subsequent Events

The System has evaluated subsequent events through October 22, 2019, the date the schedules of pension information for participating employers were available to be issued.
3. Schedules of Employer Allocations

The Schedules of Employer Allocations reflect employer compensation as of and for the years ended December 31, 2018 and 2017 and includes the following for each individual employer:

- employer contributing entity;
- the amount of the employer contributing entity's compensation; and,
- the employer contributing entity's compensation as a percentage of total employer compensation, as defined by this policy.

The components of the net pension liability of the participating employers as of December 31, 2018 and 2017 are as follows:

<table>
<thead>
<tr>
<th></th>
<th>2018</th>
<th>2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total pension liability</td>
<td>$1,658,351,553</td>
<td>$1,673,122,191</td>
</tr>
<tr>
<td>Fiduciary net position</td>
<td>819,449,893</td>
<td>914,082,259</td>
</tr>
<tr>
<td>Employers' net pension liability</td>
<td>$838,901,660</td>
<td>$759,039,932</td>
</tr>
</tbody>
</table>

Plan net position as a percentage of total pension liability

<table>
<thead>
<tr>
<th></th>
<th>2018</th>
<th>2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>Covered employee payroll</td>
<td>$234,861,248</td>
<td>$235,132,592</td>
</tr>
<tr>
<td>Employers' net pension liability as a percentage of employee covered payroll</td>
<td>357.19 %</td>
<td>322.81 %</td>
</tr>
</tbody>
</table>

4. Schedules of Pension Amounts by Employer

The Schedules of Pension Amounts by Employer include only certain categories of deferred outflows of resources and deferred inflows of resources. These include differences between expected and actual experience, changes in assumptions, net differences between projected and actual earnings on pension plan investments, and changes in proportion and differences between employer contributions and proportionate share of contributions. The Schedules do not include deferred outflows/inflows of resources for changes in the employer's proportionate share of contributions or employer contributions made subsequent to measurement date.
For the year ended December 31, 2018, the System recognized pension expense of $192,072,941 consisting of the current year contribution, pension liability adjustment, and amortization of deferred outflows and inflows of resources. At December 31, 2018, the System reported deferred outflows and inflows of resources related to pensions from the following sources:

<table>
<thead>
<tr>
<th>Difference between expected and actual experience</th>
<th>Deferred Outflows of Resources</th>
<th>Deferred Inflows of Resources</th>
</tr>
</thead>
<tbody>
<tr>
<td>Changes in assumptions</td>
<td>$1,598,107</td>
<td>$(20,538,692)</td>
</tr>
<tr>
<td>Net difference between projected and actual earnings on pension plan investments</td>
<td>205,789,291</td>
<td></td>
</tr>
<tr>
<td>Changes in proportion and differences between employer contributions and proportionate share of contributions</td>
<td>111,297,553</td>
<td>$(37,929,753)</td>
</tr>
<tr>
<td>Total</td>
<td>$329,868,833</td>
<td>$(69,652,328)</td>
</tr>
</tbody>
</table>

For the year ended December 31, 2017, the System recognized pension expense of $193,026,507 consisting of the current year contribution, pension liability adjustment, and amortization of deferred outflows and inflows of resources. At December 31, 2017, the System reported deferred outflows and inflows of resources related to pensions from the following sources:

<table>
<thead>
<tr>
<th>Difference between expected and actual experience</th>
<th>Deferred Outflows of Resources</th>
<th>Deferred Inflows of Resources</th>
</tr>
</thead>
<tbody>
<tr>
<td>Changes in assumptions</td>
<td>$3,196,208</td>
<td>$(9,256,041)</td>
</tr>
<tr>
<td>Net difference between projected and actual earnings on pension plan investments</td>
<td>327,953,592</td>
<td></td>
</tr>
<tr>
<td>Changes in proportion and differences between employer contributions and proportionate share of contributions</td>
<td>52,326,005</td>
<td>$(50,573,005)</td>
</tr>
<tr>
<td>Total</td>
<td>$392,769,523</td>
<td>$(69,122,765)</td>
</tr>
</tbody>
</table>
Amounts reported as deferred outflows of resources and deferred inflows of resources related to pensions will be recognized in pension expense in the System's year ending December 31 as follows:

<table>
<thead>
<tr>
<th>Year</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>2019</td>
<td>$120,582,614</td>
</tr>
<tr>
<td>2020</td>
<td>$99,676,362</td>
</tr>
<tr>
<td>2021</td>
<td>$17,175,098</td>
</tr>
<tr>
<td>2022</td>
<td>$21,670,002</td>
</tr>
<tr>
<td>Total</td>
<td>$259,104,076</td>
</tr>
</tbody>
</table>

5. **Sensitivity of Net Pension Eligibility to Changes in the Discount Rate**

The following presents the net pension liability as of December 31, 2018 and 2017, calculated using the discount rate of 4.78 percent, as well as what the net pension liability would have been if it were calculated using a discount rate that is one-percentage-point lower or one-percentage-point higher than the current rate:

<table>
<thead>
<tr>
<th></th>
<th>1% Decrease (3.78%)</th>
<th>Current Discount Rate (4.78%)</th>
<th>1% Increase (5.78%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Net pension liability - 2018</td>
<td>$1,038,507,504</td>
<td>$838,901,660</td>
<td>$673,166,844</td>
</tr>
<tr>
<td>Net pension liability - 2017</td>
<td>$961,985,980</td>
<td>$759,039,932</td>
<td>$590,565,070</td>
</tr>
</tbody>
</table>

The projection of cash flows used to determine the discount rate assumed that System contributions will continue to follow the current funding policy. Based on those assumptions, the System's fiduciary net position was projected to be insufficient to make all projected future benefit payments of current plan members.

Under GASB Statement No. 68, employers participating in the plan could recognize a proportionate share of total pension expense of $192,072,941 and $193,026,507 for their fiscal years beginning after June 15, 2018 and 2017, respectively.
6. **Actuarial Methods and Assumptions**

The information presented in the aforementioned schedules was determined as part of the 2018 and 2017 actuarial valuation prepared by Buck Global, LLC (Buck) at June 19, 2019 and Conduent at June 8, 2018, respectively.

Additional information related to the above actuarial valuation, as applicable for both years presented, is as follows:

<table>
<thead>
<tr>
<th>Actuarial cost method</th>
<th>2018</th>
<th>2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rate of investment return</td>
<td>Frozen entry age</td>
<td>Frozen entry age</td>
</tr>
<tr>
<td>Participant account interest crediting rate</td>
<td>4.78%, net of expenses</td>
<td>4.78%, net of expenses</td>
</tr>
<tr>
<td>Turnover or withdrawal rates</td>
<td>5.00%</td>
<td>5.00%</td>
</tr>
</tbody>
</table>

**Mortality and death rates**

<table>
<thead>
<tr>
<th>2018</th>
<th>2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>a) RP-2014 Combined Healthy Mortality Table (rolled back to 2006) for active Members, and deferred vested Members, projected fully generationally using projection scale MP-2015.</td>
<td>a) RP-2014 Combined Healthy Mortality Table (rolled back to 2006) for active Members, and deferred vested Members, projected fully generationally using projection scale MP-2015.</td>
</tr>
<tr>
<td>b) RP-2014 Combined Healthy Mortality Table (rolled back to 2006) for Inactive (In Receipt) Members adjusted by an additional 10% to account for the higher mortality experienced by the Plan, projected fully generationally using projection scale MP-2015.</td>
<td>b) RP-2014 Combined Healthy Mortality Table (rolled back to 2006) for Inactive (In Receipt) Members adjusted by an additional 10% to account for the higher mortality experienced by the Plan, projected fully generationally using projection scale MP-2015.</td>
</tr>
</tbody>
</table>

**Disability rates**

<table>
<thead>
<tr>
<th>2018</th>
<th>2017</th>
</tr>
</thead>
</table>
Rates of retirement between the ages of 55 and 70  
Various based on actual experience of the System  
Various based on actual experience of the System

Rate of salary increases  
Salaries are assumed to increase at the rate of 5.0% per year for the first five years of employment and at the rate of 3.5% per year thereafter  
Salaries are assumed to increase at the rate of 5.0% per year for the first five years of employment and at the rate of 3.5% per year thereafter

Asset valuation method  
The assumed yield method of valuing assets  
The assumed yield method of valuing assets

The Unfunded Actuarial Accrued Liability ("UFAAL") was originally determined and frozen as of January 1, 1981. Effective January 1, 2006, the UFAAL was re-determined. The UFAAL is being amortized over thirty (30) years.

Benefit changes effective as of August 28, 2017:
1. Reduce the "Rule of 85" to "Rule of 80."
2. Change the percent of pay benefit multiplier from 2.00 percent of Average Final Compensation to 1.75 percent of Average Final Compensation for members hired on or after January 1, 2018.

Contribution changes effective as of August 28, 2017:
1. Increase the employee contribution requirement from a flat 5.00 percent of compensation during 2017 to 9.00 percent in 0.50 percent annual increments for employees hired before January 1, 2018.
2. Set employee contribution rate to a flat 9.00 percent for employees hired on or after January 1, 2018.
3. Set the employer contribution rate to a flat 16.00 percent of covered payroll for plan year 2018 with annual decreases of 0.50 percent until reaching 9.00 percent of covered payroll.

Assumption changes effective as of January 1, 2017:
1. Revised investment return assumption of 7.50 percent to a blended discount rate of 4.78 percent. Blended discount rate is a municipal bond rate of 3.16 percent and long-term rate of return of 7.50 percent.

As of December 31, 2017, cumulative impact of changes from the prior valuation was an increase in the Entry Age Normal Liability by approximately $72.7 million.