(ATTACHMENT 2) REPORT AND POSSIBLE ACTION ON THE ACTUARIAL VALUATION OF THE DISTRICT'S OBLIGATION FOR OTHER POST-EMPLOYMENT BENEFITS (OPEB) AS OF JULY 1, 2019

Milwaukee Public Schools

Retiree Healthcare and Life Insurance Programs Actuarial Valuation as of July 1, 2019





October 27, 2020

Ms. Carol Eady
Sr. Director, Benefits, Pension & Compensation
Milwaukee Public Schools
Administration Building
5225 West Vliet Street, Room 124
Milwaukee, Wisconsin 53208-2181

Dear Ms. Eady:

We have performed an actuarial valuation as of July 1, 2019, of the Retiree Healthcare and Life Insurance Programs sponsored by the Milwaukee Public Schools (MPS). The actuarial valuation was performed in order to:

- Measure the actuarial liability as of July 1, 2019;
- Develop retiree healthcare accounting expense and disclosure information for fiscal year end 2020, as defined under the GASB Statement Nos. 74 and 75; and
- Develop pre-funding contributions for plan year end June 30, 2021, based on the plan provisions in effect as of June 30, 2020, including the provisions of Alternative C (55/20/70%).

The actuarial valuation was based on the following:

- Census data as of July 1, 2019, as provided by MPS staff;
- Premium information for calendar years 2019 and 2020 as provided by MPS staff;
- Claims, expenses and enrollment data for the period from July 1, 2017, to June 30, 2019, as
 disclosed in the plan's most recent premium rating reports prepared by the healthcare actuary
 and provided by MPS staff;
- IRC Section 115 assets as provided by MPS staff;
- Actual employer contributions for fiscal year 2020 as provided by MPS staff;
- Plan provisions and funding policy in effect as of July 1, 2019, and June 30, 2020, as provided by MPS staff and summarized in Section G;
- Our understanding of the substantive plan in effect as currently being administered;
- OPEB and healthcare-related actuarial assumptions and methods as recommend by GRS and approved by MPS as shown in Section H; and
- Pension-related actuarial assumptions as shown in Section H used for the actuarial valuations of the Milwaukee Public Schools Supplemental Pension Plans for Teachers and Administrators, and the City of Milwaukee Employees' Retirement System (ERS) for other labor units.

Ms. Carol Eady Milwaukee Public Schools Page 2

On March 30, 2017, the Milwaukee Board of School Directors approved an Early Retirement Window (ERW) program. Under the ERW, certain employees under age 60 may retire with health and life insurance benefits. Eligible ERW members: (i) have attained at least age 55 between July 1, 2017, and June 30, 2020, (ii) have earned at least 20 years of MPS service, and (iii) have accrued at least 90% of the maximum sick leave balance. The ERW ends on June 30, 2020; however, members may elect to retire after June 30, 2020, and receive ERW benefits. The actuarial valuation as of July 1, 2019, reflects emerging ERW experience through December 31, 2019.

On May 28, 2020, the Milwaukee Board of School Directors approved Alternative C (55/20/70%) changes to the retiree healthcare and life insurance program. Alternative C permanently changes the eligibility requirements for all eligible members upon retirement to: (i) have attained at least age 55, (ii) have earned at least 20 years of MPS service, and (iii) have accrued at least 70% of the maximum sick leave balance. Alternative C also provides actuarially based level dollar pre-funding of additional benefits due to Alternative C so that the program is projected to be fully funded by 2037.

The actuarial valuation was based upon information furnished by Milwaukee Public Schools concerning benefits provided by the Retiree Healthcare and Life Insurance Programs, financial transactions, plan provisions and active members, terminated members, retirees and beneficiaries. We checked for internal and year-to-year consistency, but did not audit the data. We are not responsible for the accuracy or completeness of the information provided by Milwaukee Public Schools.

Future actuarial measurements may differ significantly from the current measurements presented in this report due to such factors as the following: plan experience differing from that anticipated by the economic or demographic assumptions; changes in economic or demographic assumptions; increases or decreases expected as part of the natural operation of the methodology used for these measurements (such as the end of an amortization period or additional cost or contribution requirements based on the plan's funded status); and changes in plan provisions or applicable law.

This report was prepared using our proprietary valuation model and related software which in our professional judgment has the capability to provide results that are consistent with the purposes of the valuation. We performed tests to ensure that the model reasonably represents that which is intended to be modeled. We are relying on the GRS actuaries and Internal Software, Training, and Processes Team who developed and maintain the model.

To the best of our knowledge the information contained in this report is accurate and fairly presents the actuarial position of the Retiree Healthcare and Life Insurance Programs sponsored by the Milwaukee Public Schools as of the actuarial valuation date. All calculations have been made in conformity with generally accepted actuarial principles and practices, with the Actuarial Standards of Practice issued by the Actuarial Standards Board, and with our understanding of GASB Statements Nos. 74 (*Financial Reporting for Postemployment Benefit Plans Other Than Pension Plans*) and 75 (*Accounting and Financial Reporting by Employers for Postemployment Benefits Other Than Pension*).



Ms. Carol Eady Milwaukee Public Schools Page 3

This report should not be relied on for any purpose other than the purpose stated.

Alex Rivera and Abra D. Hill are Members of the American Academy of Actuaries and meet the Qualification Standards of the American Academy of Actuaries to render the actuarial opinions contained herein.

The signing actuaries are independent of the plan sponsor.

We will be pleased to review this report with you at your convenience.

Respectfully submitted,

Alex Rivera, FSA, EA, MAAA, FCA

Senior Consultant

Abra D. Hill, ASA, MAAA, FCA

Abra D Hill

Consultant

AR: rmn Enclosures

 $L: \c 2660_Milwaukee Schools \c 2018 \c PEB\v aluation_FYE_2017 \c Reports \c 2660_Val 2017 \c PEB_Final. docx$



Table of Contents

| Section | Items | Pages |
|---------|---|-------|
| | | |
| | Transmittal Letter | |
| Α | Executive Summary | 1-5 |
| В | Actuarial Valuation Results as of July 1, 2019 | 1-2 |
| С | Asset Reconciliation | 1 |
| D | GASB Statement Nos. 74 and 75 OPEB Disclosure Information | 1-5 |
| E | GASB Statement No. 75 OPEB Expense | 1-3 |
| F | Support of GASB Nos. 74 and 75 Discount Rate | 1-3 |
| G | Plan Provisions | 1-18 |
| н | Actuarial Methods and Assumptions | 1-10 |
| ı | Participant Data | 1-3 |



SECTION A

EXECUTIVE SUMMARY

This report presents the results of our actuarial valuation as of July 1, 2019, for the Retiree Healthcare and Life Insurance Programs sponsored by the Milwaukee Public Schools. The actuarial valuation was performed for purposes of (i) satisfying the reporting requirements of GASB Statement Nos. 74 and 75 for fiscal year end June 30, 2020, and (ii) developing recommended pre-funding contributions for plan year end June 30, 2021.

The actuarial valuation as of July 1, 2019, was based on a discount rate assumption of 4.93 percent and an ultimate healthcare trend assumption of 4.25 percent, as approved by Milwaukee Public Schools. The discount rate of 4.93 percent reflects the plan sponsor's prefunding policy. The report also includes a projection of actuarial liabilities as of June 30, 2020, using a discount rate of 5.33 percent and Alternative C (55/20/70%) plan provisions.

Milwaukee Public Schools has established an IRC Section 115 trust to prefund retiree healthcare benefits. Ongoing costs for the fiscal year are paid from the Section 115 trust. The current funding policy is to make pay-as-you-go contributions and prefund 5 percent in addition to gross (retiree and employer) pay-as-you-go costs. Effective as of July 1, 2020, the sponsor will make additional annual pre-funding contributions, on a level dollar basis, which are projected to finance the additional costs of Alternative C (55/20/70%) benefits by plan year end 2037.

The key actuarial valuation results as of July 1, 2019, before Alternative C benefits, are summarized below:

| Retiree Healthcare and Life Insurance Programs 4.93% Discount Rate and 4.25% Ultimate Trend \$ in Thousands | | | | | | | | | | | | | |
|---|---------------------------|------------------------|-----------------------------|-------------------------|-------------------------|-----------------------------|-------------------------|--|--|--|--|--|--|
| | Board/ Cabinet/ ASC | Building Trades | 1053 Clerical/ Technical | 150 Building Service | 150 Food Service | 1616 Education Employees | 420 Engineers | | | | | | |
| Actuarial Liability as of July 1, 2019 | \$113,096.6 | \$19,873.0 | \$36,290.5 | \$11,595.5 | \$38,485.6 | \$10,310.5 | \$26,953.3 | | | | | | |
| Normal Cost for FY 2020 | \$603.3 | \$100.3 | \$132.7 | \$129.8 | \$365.1 | \$38.2 | \$136.5 | | | | | | |
| FY 2020 Employer Pay-go Contribution (% of Payroll) | \$9,917.7 19.7% | \$2,274.2 45.2% | \$3,668.3 58.9% | \$822.7 17.9% | \$2,944.6 34.8% | \$1,113.9 85.7% | \$2,791.0 43.0% | | | | | | |
| Payroll Number of Actives Members Number of Retirees and Surviving Spouses | \$50,363.7 543 847 | \$5,027.9 69 170 | \$6,226.8 164 319 | \$4,591.3 147 78 | \$8,453.3 406 298 | \$1,299.6 35 97 | \$6,488.0 131 175 | | | | | | |
| | Educational Assistants | Sub Teachers | Teachers | PAMPS | Others | Total | | | | | | | |
| Actuarial Liability as of July 1, 2019 | \$58,913.5 | \$9,716.6 | \$550,426.8 | \$9,976.6 | \$2,369.7 | \$888,008.1 | | | | | | | |
| Normal Cost for FY 2020 | \$584.6 | \$0.0 | \$3,183.1 | \$54.2 | \$9.8 | \$5,337.5 | | | | | | | |

\$47,475.4

\$189,931.7

25.0%

2,765

4,215

\$854.9

\$6,361.3

13.4%

77

65

The details of the preceding actuarial valuation results by labor unit are included in Section B of the report.

\$888.8

N/A

\$0.0

0

93

\$4,219.6

\$15,213.8

27.7%

661

393



(% of Payroll)

FY 2020 Employer Pay-go Contribution

Number of Retirees and Surviving Spouses

Number of Active Members

\$219.6

\$422.3

10

18

52.0%

\$77,190.6

\$294.379.9

26.2%

5,008

6,768

Plan Experience and Updates in Assumptions

The actuarial liabilities used for GASB No. 74 financial reporting at June 30, 2019, were based on an actuarial projection of actuarial liabilities from July 1, 2017, to June 30, 2019, using a discount rate of 4.93 percent.

An updated actuarial valuation as of June 30, 2019, was performed using census, healthcare-related assumptions, pension-related assumptions and plan provisions as of June 30, 2019.

The following table shows a reconciliation of the change in actuarial liabilities as of June 30, 2019, and a projection of actuarial liabilities from July 1, 2019, to June 30, 2020. The projected actuarial liabilities as of June 30, 2020, reflect Alternative C (55/20/70%) plan benefits, which became effective on June 30, 2020, and a change in the discount rate from 4.93 percent to 5.33 percent.

| Projected Actuarial Liability as of June 30, 2019 @ 4.93% | \$ 881,431,123 |
|---|--|
| Increase/(Decrease) at July 1, 2019, Due To: | |
| Demographic Experience Changes in Pension-Related Assumptions and Methods Changes in Healthcare-Related Assumption | \$ 24,081,398 12,530,256 (30,034,718) |
| Total | \$ 6,576,936 |
| Actuarial Liability as of July 1, 2019 @ 4.93% | \$ 888,008,059 |
| Increase/(Decrease) for Plan Year End June 30, 2020, Due To: | |
| Normal Costs Expected Benefits Interest Costs Plan Provisions - Alternative C (55/20/70%) Change in Discount Rate from 4.93% to 5.33% Total | \$ 5,337,504 (49,887,152) 42,693,859 101,807,196 (42,216,517) 57,734,891 |
| Actuarial Liability as of June 30, 2020 @ 5.33% | \$ 945,742,950 |



Actuarial Projections and Support of 5.33 Percent Discount Rate

The following tables show a projection of actuarial liabilities based on the provisions of Alternative C and the development of a blended discount rate of 5.33 percent as of June 30, 2020. Key observations include:

- During plan year end June 30, 2020, MPS made additional pre-funding contributions of \$24,049,000. The additional contributions partially offset the additional actuarial liability as of June 30, 2020, of \$100,807,000, attributable to Alternative C benefits.
- If MPS makes additional annual Alternative C contributions of \$6,740,000 from plan year 2021 to plan year 2037, then the plan is projected to be fully funded by plan year end 2037.
- Phased-in investment returns which grade from 3.75 percent for plan year end 2021 to 7.00 percent after 2037 produces a present value of expected benefits of \$990,201,000.
- Assuming a level return of 5.33 percent on and after 2021 also produces a present value of \$990,201,000.
- Consequently, we recommend using a discount rate of 5.33 to develop: (i) the actuarial accrued liability as of June 30, 2020, used for Alternative C funding, and (ii) the Total OPEB Liability as of June 30, 2020, used for GASB 74/75 accounting.



Long-term asset return 7.000% Short-term asset return 2.750% Average number of monthly benefits in short-term reserve account 3 Pre funding contribution rate, percentage of expected benefits 5.000% Operating expense rate, percentage of expected benefits 0.500% 5.330% Discount rate

Alternative C - 55/20/70% **Level-Dollar Funding**

| | | Expected | Additional Expected | | | PAYGO Contributions | Pre-Fund Contributions | Level Dollar | | | | | | | |
|----------|----------------|---------------------------|---------------------------|----------------------------|----------------------|---------------------------|---------------------------|--------------------------------------|-------------------------|----------------------|--------------|----------------|----------------------------|-----------------|-----------------|
| | | Benefits Before | Benefits due to | | | Before | Before | Contribution due to | Income | Income | | | | | |
| PYE 6/30 | Assets (boy) | Alternative C Benefits | Alternative C Benefits | Total Expected Benefits | Operating Expense | Alternative C Benefits | Alternative C Benefits | Alternative C Additional Benefits | Short-term Cash Flow | Long-term Account | Total Income | Assets (eov) | Accrued Liability (eoy) | Funded Ratio | Normal Cost |
| F1L 0/30 | Assets (boy) | Dellellis | bellelits | belletits | Lxpelise | bellelits | Dellellis | Additional benefits | Casii Flow | Account | Total Income | Assets (edy) | (eoy) | Ratio | COST |
| 2020 | \$ 145,534,188 | \$ 47,099,851 | \$ - | \$ 47,099,851 | \$ - | \$ 53,141,445 | \$ 24,049,171 | \$ - | \$ - | \$ - | \$ 7,840,887 | \$ 183,465,840 | \$ 945,742,950 | 19.4% | \$ 6,464,767 |
| 2021 | 183,465,840 | 50,205,506 | 569,440 | 50,774,946 | 253,875 | 50,205,506 | 2,510,275 | 6,739,602 | 349,078 | 11,954,047 | 12,303,125 | 204,195,528 | 950,679,304 | 21.5% | 5,907,736 |
| 2022 | 204,195,528 | 51,442,153 | 2,272,564 | 53,714,717 | 268,574 | 51,442,153 | 2,572,108 | 6,739,602 | 369,289 | 13,117,793 | 13,487,082 | 224,453,182 | 952,288,080 | 23.6% | 5,604,421 |
| 2023 | 224,453,182 | 52,447,865 | 3,381,708 | 55,829,573 | 279,148 | 52,447,865 | 2,622,393 | 6,739,602 | 383,828 | 14,498,819 | 14,882,647 | 245,036,969 | 951,500,599 | 25.8% | 5,298,819 |
| 2024 | 245,036,969 | 53,504,600 | 4,550,671 | 58,055,271 | 290,276 | 53,504,600 | 2,675,230 | 6,739,602 | 399,130 | 15,900,735 | 16,299,865 | 265,910,719 | 948,072,265 | 28.0% | 4,989,625 |
| 2025 | 265,910,719 | 54,745,271 | 5,567,227 | 60,312,499 | 301,562 | 54,745,271 | 2,737,264 | 6,739,602 | 414,648 | 17,322,396 | 17,737,044 | 287,255,839 | 941,825,995 | 30.5% | 4,672,893 |
| 2026 | 287,255,839 | 56,450,032 | 6,508,913 | 62,958,946 | 314,795 | 56,450,032 | 2,822,502 | 6,739,602 | 432,843 | 18,770,241 | 19,203,084 | 309,197,318 | 932,204,200 | 33.2% | 4,348,104 |
| 2027 | 309,197,318 | 57,893,931 | 7,340,042 | 65,233,973 | 326,170 | 57,893,931 | 2,894,697 | 6,739,602 | 448,484 | 20,266,332 | 20,714,815 | 331,880,220 | 919,400,517 | 36.1% | 4,018,127 |
| 2028 | 331,880,220 | 59,663,429 | 7,883,607 | 67,547,036 | 337,735 | 59,663,429 | 2,983,171 | 6,739,602 | 464,386 | 21,813,656 | 22,278,042 | 355,659,694 | 903,200,846 | 39.4% | 3,690,953 |
| 2029 | 355,659,694 | 60,701,064 | 8,716,828 | 69,417,892 | 347,089 | 60,701,064 | 3,035,053 | 6,739,602 | 477,248 | 23,445,479 | 23,922,727 | 380,293,159 | 883,880,896 | 43.0% | 3,368,366 |
| 2030 | 380,293,159 | 61,744,528 | 9,370,314 | 71,114,842 | 355,574 | 61,744,528 | 3,087,226 | 6,739,602 | 488,915 | 25,140,125 | 25,629,040 | 406,023,139 | 861,457,783 | 47.1% | 3,050,974 |
| 2031 | 406,023,139 | 62,916,757 | 9,649,987 | 72,566,744 | 362,834 | 62,916,757 | 3,145,838 | 6,739,602 | 498,896 | 26,915,816 | 27,414,712 | 433,310,470 | 836,022,353 | 51.8% | 2,737,873 |
| 2032 | 433,310,470 | 64,089,360 | 9,511,196 | 73,600,556 | 368,003 | 64,089,360 | 3,204,468 | 6,739,602 | 506,004 | 28,807,837 | 29,313,841 | 462,689,183 | 807,848,165 | 57.3% | 2,431,914 |
| 2033 | 462,689,183 | 64,445,549 | 9,531,733 | 73,977,282 | 369,886 | 64,445,549 | 3,222,277 | 6,739,602 | 508,594 | 30,857,754 | 31,366,348 | 494,115,791 | 777,470,343 | 63.6% | 2,150,384 |
| 2034 | 494,115,791 | 64,217,361 | 9,899,104 | 74,116,465 | 370,582 | 64,217,361 | 3,210,868 | 6,739,602 | 509,551 | 33,055,181 | 33,564,732 | 527,361,307 | 745,041,285 | 70.8% | 1,890,601 |
| 2035 | 527,361,307 | 63,772,722 | 9,851,534 | 73,624,256 | 368,121 | 63,772,722 | 3,188,636 | 6,739,602 | 506,167 | 35,390,981 | 35,897,148 | 562,967,037 | 711,121,999 | 79.2% | 1,636,259 |
| 2036 | 562,967,037 | 62,572,102 | 9,819,904 | 72,392,006 | 361,960 | 62,572,102 | 3,128,605 | 6,739,602 | 497,695 | 37,904,946 | 38,402,641 | 601,056,022 | 676,398,258 | 88.9% | 1,391,785 |
| 2037 | 601,056,022 | 60,462,666 | 9,711,672 | 70,174,338 | 350,872 | 60,462,666 | 3,023,133 | 6,739,602 | 482,449 | 40,609,985 | 41,092,433 | 641,848,647 | 641,848,647 | 100.0% | 1,163,558 |



| FYE | Total Benefit Payments | Phased-in Investment Return | Discounted Benefit Payments | Single Equivalent Return | Discounted Benefit Payments |
|----------------------------|------------------------------|-----------------------------------|-----------------------------|--------------------------------|-----------------------------------|
| 2021 | \$ 50,774,946 | 3.75% \$ | <u> </u> | 5.33% \$ | |
| 2022 | 53,714,717 | 3.94% | 50,735,461 | 5.33% | 49,686,243 |
| 2023 | 55,829,573 | 4.13% | 50,640,379 | 5.33% | 49,027,050 |
| 2024 | 58,055,271 | 4.32% | 50,476,824 | 5.33% | 48,399,591 |
| 2025 | 60,312,499 | 4.51% | 50,174,180 | 5.33% | 47,734,891 |
| 2026 | 62,958,946 | 4.71% | 50,021,801 | 5.33% | 47,305,827 |
| 2027 | 65,233,973 | 4.90% | 49,409,721 | 5.33% | 46,532,845 |
| 2028 | 67,547,036 | 5.09% | 48,684,506 | 5.33% | 45,742,580 |
| 2029 | 69,417,892 | 5.28% | 47,523,940 | 5.33% | 44,628,713 |
| 2030 | 71,114,842 | 5.47% | 46,160,436 | 5.33% | 43,404,202 |
| 2031 | 72,566,744 | 5.66% | 44,578,909 | 5.33% | 42,047,264 |
| 2032 | 73,600,556 | 5.85% | 42,713,972 | 5.33% | 40,486,458 |
| 2033 | 73,977,282 | 6.04% | 40,485,607 | 5.33% | 38,632,751 |
| 2034 | 74,116,465 | 6.24% | 38,181,075 | 5.33% | 36,745,194 |
| 2035 | 73,624,256 | 6.43% | 35,637,293 | 5.33% | 34,652,562 |
| 2036 | 72,392,006 | 6.62% | 32,865,884 | 5.33% | 32,346,971 |
| 2037 | 70,174,338 | 6.81% | 29,828,121 | 5.33% | 29,768,018 |
| 2038 | 68,407,636 | 7.00% | 27,174,927 | 5.33% | 27,548,931 |
| 2039 | 66,541,278 | 7.00% | 24,704,220 | 5.33% | 25,440,163 |
| 2040 | 63,811,177 | 7.00% | 22,140,784 | 5.33% | 23,160,828 |
| 2041 | 61,244,109 | 7.00% | 19,859,887 | 5.33% | 21,103,293 |
| 2042 | 58,620,923 | 7.00% | 17,765,660 | 5.33% | 19,176,403 |
| 2043 | 55,315,650 | 7.00% | 15,667,255 | 5.33% | 17,178,732 |
| 2044 | 52,301,409 | 7.00% | 13,844,412 | 5.33% | 15,420,024 |
| 2045 | 49,393,267 | 7.00% | 12,219,266 | 5.33% | 13,825,091 |
| 2046 | 45,999,537 | 7.00% | 10,635,234 | 5.33% | 12,223,126 |
| 2047 | 42,824,590 | 7.00% | 9,253,436 | 5.33% | 10,803,155 |
| 2048 | 39,733,267 | 7.00% | 8,023,804 | 5.33% | 9,515,689 |
| 2049 | 36,914,957 | 7.00% | 6,966,981 | 5.33% | 8,392,995 |
| 2050 | 32,270,497 | 7.00% | 5,691,990 | 5.33% | 6,965,444 |
| 2060 | 16,835,679 | 7.00% | 1,509,563 | 5.33% | 2,161,024 |
| 2070 | 8,053,624 | 7.00% | 367,091 | 5.33% | 614,761 |
| 2080 | 2,115,086 | 7.00% | 49,009 | 5.33% | 96,013 |
| 2090 | 205,373 | 7.00% | 2,419 | 5.33% | 5,544 |
| 2100 | 3,986 | 7.00% | 24 | 5.33% | 64 |
| 2110 | 2 | 7.00% | 0 | 5.33% | 0 |
| Total Present Value | | \$ | 990,201,340 | \$ | 990,201,340 |



SECTION B

ACTUARIAL VALUATION RESULTS AS OF JULY 1, 2019 AT 4.93 PERCENT DISCOUNT RATE AND 4.25 PERCENT TREND RATE

Valuation Results at 4.93 Percent Discount Rate and **4.25 Percent Trend Rate**

The following tables show the results of our actuarial valuation at July 1, 2019, assuming:

- A discount rate of 4.93 percent;
- Salary increases comprised of a wage inflation component of 2.50 percent plus a seniority and merit component; and
- An ultimate healthcare trend rate of 4.25 percent.

We believe these assumptions are consistent with the requirements of GASB Statement Nos. 74 and 75. The discount rate of 4.93 percent as of June 30, 2019, was based on an actuarial projection of assets and liabilities that reflects the following:

- MPS contributes pay-as-you-go contributions, plus an additional pre-funding contribution of 5.0 percent of expected employer paid claims.
- Contributions are made to an IRC Section 115 trust that MPS established for the exclusive purpose of pre-funding retiree healthcare benefits.
- Assets and pre-funding contributions, in excess of three months of expected costs, remain in a long-term account which is assumed to earn 7.00 percent per year. Three months of expected costs are held in a short-term account which is assumed to earn 2.75 percent per year.
- Operating expenses are assumed to equal 0.5 percent of expected employer paid claims.
- Assets in the long-term account are not expected to be used to pay benefits until the closed plan is fully funded. However, MPS may use assets in the long-term account if there is a nonappropriation in a budget year to fully pay all current year pay-as-you-go contributions.

The preceding projection methodology produced a projected funded ratio of 100 percent by 2037 and an effective discount rate of 4.93 percent as of June 30, 2019.

Please note that the preceding methodology assumes MPS will make pre-funding contributions of at least 5.0 percent of expected claims cost in all future years until the year that the program is fully funded. If MPS deviates significantly from the pre-funding objective, the full funding target year may be extended or never be reached, which would decrease the effective discount rate and increase the Total OPEB Liability.

The following table shows the actuarial accrued liability at July 1, 2019, and other actuarial costs for plan year June 30, 2020, using a discount rate of 4.93 percent. Actuarial costs are shown separately for each Labor Unit. The actuarial costs shown below exclude Alternative C benefits which became effective as of June 30, 2020.



Milwaukee Public Schools Retiree Healthcare and Life Insurance Programs Actuarial Valuation as of July 1, 2019 **Entry Age Normal Cost Method**

Discount Rate 4.93% Salary Scale 1 2.50% Ultimate Trend ² 4.25% Wage Inflation 2.50%

Amortization: 15-year closed, level dollar for unfunded retiree liabilities as of July 1, 2011, 25-year open, level percentage of payroll for remaining liabilities.

| | Boa | rd/ Cabinet/ ASC | | 1053 Clerical/ Technical | 150 Building Service | 150 Food Service | 1616 Education Employees | 420 Engineers | Educational Assistants | Sub Teachers | Teachers | PAMPS | Others ³ | Total |
|--|-----|-----------------------------------|--------------------------------------|----------------------------------|---------------------------------|--------------------------------|---------------------------------|-----------------------------------|-------------------------------------|-----------------------------------|--|---------------------------------|-------------------------------|---------------------------------------|
| Retiree Healthcare Program | | | | | | | | | | | | | | |
| Actuarial Liability A) Health Insurance | | | | | | | | | | | | | | |
| i) Active Employees ⁴ ii) Retired and Disabled Participants ⁵ | \$ | 21,788,494 82,885,745 | \$ 2,872,641 \$ 15,862,817 | 6,207,960 28,398,743 | \$ 5,235,964 6,131,378 | \$ 15,430,715 \$ 22,475,235 | 1,512,599 \$ 8,249,855 | 5,295,038 \$ 20,535,999 | 23,805,608 \$ 33,165,004 | 9,295,044 | 107,745,986 \$ 407,179,343 | 2,785,031 \$ 6,517,588 | 390,917 \$ 1,870,305 | 193,070,953 642,567,056 |
| iii) Total | \$ | 104,674,239 | \$ 18,735,458 \$ | 34,606,703 | \$ 11,367,342 | \$ 37,905,950 \$ | 9,762,454 \$ | 25,831,037 \$ | 56,970,612 | 9,295,044 \$ | 514,925,329 \$ | 9,302,619 \$ | 2,261,222 \$ | 835,638,009 |
| B) Life Insurance i) Active Employees ii) Retired and Disabled Participants | \$ | 1,378,694 7,043,643 | \$ 228,058 \$ 909,438 | 289,697 1,394,136 | \$ 12,902 215,272 | \$ 6,496 \$ 573,132 | 61,211 \$ 486,830 | 272,149 \$ 850,068 | 730,137 \$ 1,212,720 | \$ - \$ 421,553 | 7,015,812 \$ 28,485,617 | 239,944 \$ 434,070 | 22,029 \$ 86,440 | 10,257,129 42,112,921 |
| iii) Total | \$ | 8,422,337 | \$ 1,137,496 \$ | 1,683,833 | \$ 228,174 | \$ 579,628 \$ | 548,041 \$ | 1,122,217 \$ | 1,942,857 | 421,553 \$ | 35,501,429 \$ | 674,014 \$ | 108,469 \$ | 52,370,050 |
| C) Total Liabilities | \$ | 113,096,576 | \$ 19,872,954 \$ | 36,290,536 | \$ 11,595,516 | \$ 38,485,578 \$ | 10,310,495 \$ | 26,953,254 \$ | 58,913,469 | 9,716,597 \$ | 550,426,758 \$ | 9,976,633 \$ | 2,369,691 \$ | 888,008,057 |
| II) Assets ⁶ | | 18,535,213 | 3,256,946 | 5,947,597 | 1,900,370 | 6,307,338 | 1,689,770 | 4,417,325 | 9,655,232 | 1,592,437 | 90,208,540 | 1,635,054 | 388,365 | 145,534,188 |
| III) Unfunded Actuarial Liability (UAL) | | 94,561,363 | 16,616,008 | 30,342,939 | 9,695,146 | 32,178,240 | 8,620,725 | 22,535,929 | 49,258,237 | 8,124,160 | 460,218,218 | 8,341,579 | 1,981,326 | 742,473,870 |
| IV) Normal Cost A) Health Insurance | \$ | 573,190 30,106 | \$ 94,788 \$ 5,550 | 128,695 3,969 | \$ 129,765 32 | \$ 365,033 \$ 21 | | 131,573 \$ 4,961 | 571,085 \$ 13,473 | s - \$ | 3,028,363 \$ 154,735 | 50,904 \$ | 9,465 \$ 376 | 5,119,834 |
| B) Life Insurance C) Total | \$ | 603,296 | | 132,664 | | | 1,195 38,168 \$ | 136,534 \$ | | <u> </u> | 3,183,098 \$ | 3,252 54,156 \$ | 9,841 \$ | 217,670 5,337,504 |
| D) Percentage of Payroll | | 1.20% | 2.00% | 2.13% | 2.83% | 4.32% | 2.94% | 2.10% | 3.84% | N/A | 1.68% | 0.85% | 2.33% | 1.81% |
| V) Actuarially Determined Contribution (ADC) A) Normal Cost | \$ | 603,296 | | 132,664 | | | | 136,534 \$ | | | 3,183,098 \$ | 54,156 \$ | 9,841 \$ | 5,337,504 |
| B) Amortization of UAL | - | 11,737,189 | 1,966,271 | 3,898,539 | 961,989 | 3,543,274 | 1,137,732 | 2,465,375 | 4,940,166 | 1,156,700 | 56,029,570 | 870,506 | 385,406 | 89,092,718 |
| C) Total | \$ | 12,340,485 | \$ 2,066,609 \$ | 4,031,203 | \$ 1,091,786 | \$ 3,908,328 \$ | 1,175,900 \$ | 2,601,909 \$ | 5,524,724 | 1,156,700 \$ | 59,212,668 \$ | 924,662 \$ | 395,247 \$ | 94,430,221 |
| VI) Expected Employer Contributions ⁷ A) Expected Healthcare Benefit Payments B) Expected Life Insurance Benefit Payments C) Additional Contributions | \$ | 6,044,961 364,692 3,089,911 | \$ 1,412,597 \$ 57,156 708,526 | 2,285,067 85,680 1,142,869 | \$ 516,218 15,467 256,310 | \$ 1,857,260 \$ 45,823 917,422 | 686,020 \$ 33,871 347,039 | 1,752,726 \$ 51,024 869,536 | 2,650,071 \$ 76,988 1,314,637 | 5 548,007 \$ 26,440 276,924 | 29,102,510 \$ 1,580,127 14,791,223 | 530,709 \$ 21,819 266,358 | 138,324 \$ 3,595 68,415 | 47,524,470 2,362,682 24,049,171 |
| D) Total | \$ | 9,499,564 | \$ 2,178,279 \$ | 3,513,616 | \$ 787,995 | \$ 2,820,505 \$ | 1,066,930 \$ | 2,673,286 \$ | 4,041,696 | | 45,473,860 \$ | 818,886 \$ | 210,334 \$ | 73,936,323 |
| E) Percentage of Payroll | | 18.9% | 43.3% | 56.4% | 17.2% | 33.4% | 82.1% | 41.2% | 26.6% | N/A | 23.9% | 12.9% | 49.8% | 25.1% |
| VII) Actual Employer Contributions ^a | \$ | 9,917,685 | \$ 2,274,156 \$ | 3,668,267 | \$ 822,678 | \$ 2,944,649 \$ | 1,113,891 \$ | 2,790,950 \$ | 4,219,590 | 888,844 \$ | 47,475,383 \$ | 854,929 \$ | 219,592 \$ | 77,190,616 |
| VIII) Actual Retiree Contributions 9 | \$ | (402,243) | \$ (92,236) \$ | (148,778) | \$ (33,366) | \$ (119,430) \$ | (45,177) \$ | (113,196) \$ | (171,139) | (36,050) \$ | (1,925,515) \$ | (34,674) \$ | (8,906) \$ | (3,130,711) |
| IX) Expected Actuarial Liability at Plan Year End | \$ | 112,724,475 | \$ 19,449,926 \$ | 35,787,071 | \$ 11,755,500 | \$ 38,807,432 \$ | 10,120,477 \$ | 26,574,231 \$ | 59,623,225 | 9,607,188 \$ | 549,393,549 \$ | 9,957,972 \$ | 2,351,222 \$ | 886,152,268 |
| X) Payroll | \$ | 50,363,705 | \$ 5,027,948 \$ | 6,226,836 | \$ 4,591,309 | \$ 8,453,342 \$ | 1,299,589 \$ | 6,488,028 \$ | 15,213,829 | - \$ | 189,931,748 \$ | 6,361,267 \$ | 422,347 \$ | 294,379,947 |
| XI) Covered Member Counts A) Active Employees B) Retired and Disabled Participants ⁵ | | 543 847 | 69 170 | 164 319 | 147 78 | 406 298 | 35 97 | 131 175 | 661 393 | 93 | 2,765 4,215 | 77 65 | 10 18 | 5,008 6,768 |
| C) Total | | 1,390 | 239 | 483 | 225 | 704 | 132 | 306 | 1,054 | 93 | 6,980 | 142 | 28 | 11,776 |





¹ Plus an additional age or service-based component.

² From 2020 to 2035, 1.98% is added to the base healthcare trend rate to approximate the assumed wear-away of MAPD plan design savings.

³ Includes participants who have life insurance only.

⁴ Active employees eligible for future retiree healthcare.

⁵ Includes Surviving Spouses.

⁶ Assets allocated to employee group based on total liabilities.

⁷ Expected employer contributions to finance current retiree healthcare and life insurance claims assuming pay-as-you-go funding.

⁸ Actual employer contributions allocated to employee group based on total expected employer contributions.

⁹ Expected retiree contributions are offset by projected Part B premium reimbursements.



ASSET RECONCILIATION

Asset Reconciliation

Milwaukee Public Schools Retiree Healthcare and Life Insurance Programs Actuarial Valuation Results as of July 1, 2019

| Assets Available for Benefits | | Year Ending une 30, 2018 | | Year Ending une 30, 2019 | For Year Ending June 30, 2020 | | |
|--|----|-----------------------------|----|-----------------------------|----------------------------------|-------------------------|--|
| Net Assets Held in Trust for Post-Employment Benefits, Beginning of Year | | 108,867,958 | \$ | 123,078,430 | \$ | 145,534,188 | |
| Revenues | | | | | | | |
| Employer Contributions | | 52.027.400 | | 10.651.001 | | 50.444.445 | |
| - Pay-as-you-go Contributions- ERRP Funds | \$ | 53,027,180 | \$ | 48,651,394 | \$ | 53,141,445 | |
| - Medicare Part D Funds | | - | | - | | _ | |
| - EWGP Revenue | | - | | - | | - | |
| - Medicare Part D Receivables | | | | | | | |
| - Pre-funding Contributions | | 215,458 | | 9,584,425 | | 24,049,171 | |
| Total | \$ | 53,242,638 | \$ | 58,235,819 | \$ | 77,190,616 | |
| Employee Contributions | | | | | | | |
| - Health Care | \$ | 2,076,615 | \$ | 2,134,839 | \$ | 2,658,534 | |
| - Life Insurance | · | 173,821 | • | 172,393 | • | 174,754 | |
| - Pre-funding Contributions/Accruals | | 194,049 | | 202,675 | | 297,423 | |
| Total | \$ | 2,444,485 | \$ | 2,509,907 | \$ | 3,130,711 | |
| Net Investment Income | \$ | 8,512,126 | \$ | 8,355,586 | \$ | 7,840,886 | |
| Total Contributions | \$ | 64,199,249 | \$ | 69,101,312 | \$ | 88,162,213 | |
| Deductions | | | | | | | |
| Claims and Expenses | | | | | | | |
| - Health Care | \$ | 44,973,891 | \$ | 42,940,659 | \$ | 45,897,976 | |
| - Life Insurance | | 1,296,274 | | 1,496,165 | | 1,327,332 | |
| Pre-funding Contributions/Accruals Total | \$ | 3,718,612 49,988,777 | \$ | 2,208,730 46,645,554 | \$ | 3,005,254 50,230,562 | |
| TOTAL | Ş | 49,900,777 | Ş | 40,045,554 | Ş | 30,230,362 | |
| Total Deductions | \$ | 49,988,777 | \$ | 46,645,554 | \$ | 50,230,562 | |
| Net Change | \$ | 14,210,472 | \$ | 22,455,758 | \$ | 37,931,651 | |
| Net Assets Held in Trust for Post-Employment | | | | | | | |
| Benefits, End of Year | \$ | 123,078,430 | \$ | 145,534,188 | \$ | 183,465,839 | |



SECTION D

GASB STATEMENT Nos. 74 AND 75 OPEB DISCLOSURE INFORMATION

Schedule of Changes in Net OPEB Liability Multiyear

| Fiscal year ending June 30 | 2020 | 2019 | 2018 | 2017 |
|---|----------------------|----------------|----------------|--------------|
| Total OPEB Liability | | | | |
| Service Cost | \$ 5,337,504 \$ | 3,214,967 \$ | 3,415,121 \$ | 4,101,247 |
| Interest on the Total OPEB Liability | 42,693,859 | 42,385,766 | 42,630,800 | 45,599,496 |
| Changes of Benefit Terms | 101,807,196 | - | - | - |
| Difference between Expected and Actual Experience | 21,294,097 | (8,091,913) | 30,739,181 | 2,563,048 |
| Changes in Healthcare Assumptions | (30,034,718) | - | (92,738,729) | - |
| Change in Other Assumptions | (29,686,261) | - | (4,040,417) | - |
| Benefit Payments | (47,099,851) | (44,135,647) | (47,544,292) | (52,906,009) |
| Net Change in Total OPEB Liability | 64,311,827 | (6,626,827) | (67,538,337) | (642,218) |
| Total OPEB Liability - Beginning | 881,431,123 | 888,057,950 | 955,596,287 | 956,238,505 |
| Total OPEB Liability - Ending (a) | \$ 945,742,950 \$ | 881,431,123 \$ | 888,057,950 \$ | 955,596,287 |
| Plan Fiduciary Net Position | | | | |
| Employer Contributions | \$ 77,190,616 \$ | 58,235,819 \$ | 53,242,638 \$ | 33,755,421 |
| Member Contributions | - | - - | - | - |
| Net Investment Income | 7,840,886 | 8,355,586 | 8,512,126 | 3,910,328 |
| Benefit Payments | (47,099,851) | (44,135,647) | (47,544,292) | (52,906,009) |
| Operating Expenses | - | - | - | - |
| Other | - | - | - | - |
| Net Change in Plan Fiduciary Net Position | 37,931,650 | 22,455,758 | 14,210,472 | (15,240,260) |
| Plan Fiduciary Net Position - Beginning | 145,534,188 | 123,078,430 | 108,867,958 | 124,108,219 |
| Plan Fiduciary Net Position - Ending (b) | \$ 183,465,838 \$ | 145,534,188 \$ | 123,078,430 \$ | 108,867,959 |
| Net OPEB Liability - Ending (a) - (b) | 762,277,112 | 735,896,935 | 764,979,520 | 846,728,328 |
| Plan Fiduciary Net Position as a Percentage | | | | |
| of Total OPEB Liability | 19.40 % | 16.51 % | 13.86 % | 11.39 % |
| Covered Employee Payroll | \$ 301,739,000 \$ | 323,210,100 \$ | 355,843,000 \$ | 387,681,000 |
| Net OPEB Liability as a Percentage | | | | |
| of Covered Employee Payroll | 252.63 % | 227.68 % | 214.98 % | 218.41 % |
| Single Discount Rate - Ending | 5.33 % | 4.93 % | 4.93 % | 4.89 % |
| Short Term Expected Rate of Return | 2.75 % | 3.00 % | 3.00 % | 3.00 % |
| Long Term Expected Rate of Return | 7.00 % | 7.25 % | 7.25 % | 7.25 % |
| Inactive plan members or beneficiaries currently receiving benefit payments | 6,768 | 6,718 | 6,718 | 6,978 |
| Inactive plan members on beneficiales currently receiving benefit payments | - | - | 0,718 | 0,978 |
| Active plan members | 5,008 | 6,193 | 6,193 | - 7,184 |
| Total plan members | 11,776 | 12,911 | 12,911 | 14,162 |
| Total plan incliners | 11,//0 | 14,311 | 14,311 | 14,102 |



Schedule of Net OPEB Liability Multiyear

| FY Ending June 30, | Total OPEB Liability | _ F | iduciary Net Position | Net OPEB Liability | Fiduciary Net Position as a % of Total OPEB Liability | Covered Payroll ¹ | Net OPEB Liability as a % of Covered Payroll |
|-----------------------|----------------------------|-----|--------------------------|---------------------------|--|-------------------------------------|--|
| 2016 | \$ 956,238,505 | \$ | 124,108,219 | \$ 832,130,286 | 12.98% | \$ 376,390,000 | 221.08% |
| 2017 | 955,596,287 | | 108,867,959 | 846,728,328 | 11.39% | 387,681,000 | 218.41% |
| 2018 | 888,057,950 | | 123,078,430 | 764,979,520 | 13.86% | 355,843,000 | 214.98% |
| 2019 | 881,431,123 | | 145,534,188 | 735,896,935 | 16.51% | 323,210,100 | 227.68% |
| 2020 | 945,742,950 | | 183,465,838 | 762,277,112 | 19.40% | 301,739,000 | 252.63% |

¹ Estimated payroll for fiscal year end 2020, based on prior fiscal year end payroll adjusted by wage inflation assumption of 2.50 percent.



Schedule of Employer Contributions

| FY Ending June 30, | | | Actual Employer Contribution | | ontribution Deficiency (Excess) | Covered Payroll ¹ | Actual Contribution as a % of Covered Payroll |
|-----------------------|----|------------|------------------------------------|----|---------------------------------------|-------------------------------------|---|
| 2016 | \$ | 87,848,228 | \$ 53,072,438 | \$ | 34,775,790 | \$ 376,390,000 | 14.10% |
| 2017 | | 89,979,057 | 33,755,421 | | 56,223,636 | 387,681,000 | 8.71% |
| 2018 | | 88,022,745 | 53,242,638 | | 34,780,107 | 355,843,000 | 14.96% |
| 2019 | | 90,020,711 | 58,235,819 | | 31,784,892 | 323,210,100 | 18.02% |
| 2020 | | 94,430,221 | 77,190,616 | | 17,239,605 | 301,739,000 | 25.58% |

¹ Estimated payroll for fiscal year end 2020, based on prior fiscal year end payroll adjusted by wage inflation assumption of 2.50 percent.



Sensitivity of Net OPEB Liability

Sensitivity of Net OPEB Liability to the Discount Rate Assumption

| | Current Discount | |
|----------------|------------------|----------------|
| 1% Decrease | Rate Assumption | 1% Increase |
| 4.33% | 5.33% | 6.33% |
| \$ 873,693,067 | \$ 762,277,112 | \$ 668,558,704 |

Sensitivity of Net OPEB Liability to the Healthcare Cost Trend Rate Assumption

| | Current Hea | Ithcare Cost | |
|--------------|----------------|--------------------|--------|
| 1% Decrea | ase Trend Rate | Assumption 1% Incr | ease |
| \$ 685,747,8 | 303 \$ 762,2 | 277,112 \$ 845,36 | 54,471 |



Notes to Schedule of Contributions

Valuation Date July 1, 2019
Measurement Date June 30, 2020
Plan Fiscal Year End June 30, 2020

Methods and Assumptions Used to Determine Actuarial Liability and Contributions:

Actuarial Cost Method Entry Age Normal, used to measure the Actuarial Liability and Total OPEB

Liability

Contribution Policy Sponsor contributes pay-as-you-go costs plus a pre-funding contribution equal to

5% of expected employer costs. After June 30, 2020, sponsor also makes level dollar annual contribution to pre-fund Alternative C benefits by plan year end 2037. Pre-funding contributions are held in a long-term account. Principal, pre-funding contributions and investment income are expected to be used to pay benefits when the plan is fully funded. Three months of expected benefits are

held in reserve in a short-term account.

Actuarially Determined Contribution (ADC)

The ADC equals the normal cost plus the amortization of the unfunded actuarial liability. The amortization components include:

 15-year closed period amortization of unfunded retiree liabilities as of July 1, 2011. As of June 30, 2019, the remaining period is 7 years, the remaining balance is \$448,993,849, and the annual amortization payment is \$73,761,848 for plan year end June 30, 2020. The amortization factor is based on a discount rate of

25-year amortization, on a level percentage of payroll basis, for the remaining
unfunded actuarial liabilities of \$293,480,021 as of June 30, 2019. The annual
amortization payment is \$15,330,870 for plan year end June 30, 2020. The
amortization factor is based on a discount rate of 4.93% and a wage inflation
assumption of 2.50%.

Asset Valuation Method Market value

Investment Rate of Return Short-term account earns 2.75% per year. Long-term account earn 7.00% per

year.

Wage Inflation 2.50%

Salary Increases Depends on age, service and employer group. Rate ranges from 6.70% at less

than 1 year of service to 2.50% at 30 or more years of service. Salary increase

includes wage inflation assumption of 2.50%.

Retirement Age Experience-based table of rates that are specific to the type of eligibility

condition.

Mortality Teachers and ASC For retirees and survivor: Based on RP-2014 White Collar Annuitant Mortality

Table with scaling factors of: 98% for males and 96% for females in Teachers

group, and 99% for males and 96% for females in ASC group.

For active members: Based on RP-2014 White Collar Employee Mortality Table with scaling factors of 97% for males and 99% for females in Teachers group.

All tables reflect future mortality improvements using MP-2018

2-dimensional mortality improvement scales.

Mortality General Employees For retirees and survivor: Based on RP-2014 Healthy Annuitant Mortality Table

with scaling factors of 111% for males and 110% for females.

For active members: Based on RP-2014 non-Annuitant Mortality Table. All tables reflect future mortality improvements using MP-2016 mortality

improvement scales.

Healthcare Cost Trend Rates Actual trend used for fiscal year 2018. For fiscal years on and after 2020, trend

starts at 8.00% and gradually decreases to an ultimate trend of 4.25%. Additional trend of 1.98% is added to Medicare trend from 2021 to 2035 to approximate the assumed wear-away of MAPD plan design savings.

Aging Factors Based on the 2013 SOA Study "Health Care Costs - From Birth to Death".

Expenses Health administrative expenses are included in the development of the per

capita claims costs. Operating expenses are reflected separately.





GASB STATEMENT No. 75 OPEB EXPENSE

Net OPEB Liability for Fiscal Year Ending June 30, 2020

| Fiscal Year Ending June 30, | | 2020 |
|---|----|---------------|
| Total OPEB Liability | | |
| Service Cost | \$ | 5,337,504 |
| Interest on the Total OPEB Liability | | 42,693,859 |
| Changes of Benefit Terms | | 101,807,196 |
| Difference between Expected and Actual Experience | | 21,294,097 |
| Changes in Healthcare Assumptions | | (30,034,718) |
| Change in Other Assumptions | | (29,686,261) |
| Benefit Payments | | (47,099,851) |
| Net Change in Total OPEB Liability | | 64,311,827 |
| Total OPEB Liability - Beginning | | 881,431,123 |
| Total OPEB Liability - Ending (a) | \$ | 945,742,950 |
| Plan Fiduciary Net Position | | _ |
| Employer Contributions | \$ | 77,190,616 |
| Member Contributions | , | - |
| Net Investment Income | | 7,840,886 |
| Benefit Payments | | (47,099,851) |
| Operating Expenses | | - |
| Other | | - |
| Net Change in Plan Fiduciary Net Position | | 37,931,650 |
| Plan Fiduciary Net Position - Beginning | | 145,534,188 |
| Plan Fiduciary Net Position - Ending (b) | | 183,465,838 |
| Net OPEB Liability - Ending (a) - (b) | \$ | 762,277,112 |
| Plan Fiduciary Net Position as a Percentage Total OPEB Liability | | 19.40% |
| Covered-Employee Payroll ¹ | | \$301,739,000 |
| Net OPEB Liability as a Percentage of Covered Payroll | | 252.63% |
| Inactive plan members or beneficiaries currently receiving benefit payments | | 6,768 |
| Inactive plan members entitled to but not yet receiving benefit payments | | - |
| Active plan members | | 5,008 |
| Total plan members | | 11,776 |

¹ Estimated payroll for fiscal year end 2020, based on prior fiscal year end payroll adjusted by wage inflation assumption of 2.50 percent.



OPEB Expense for Fiscal Year Ending June 30, 2020

| Fiscal Year Ending June 30, | 2020 |
|---|-------------------|
| A. Expense | |
| 1. Service Cost | \$ 5,337,504 |
| 2. Interest on the Total Pension Liability | 42,693,859 |
| 3. Current-Period Benefit Changes | 101,807,196 |
| 4. Employee Contributions | - |
| 5. Projected Earnings on Plan Investments | (10,746,492) |
| 6. Administrative Expense | - |
| 7. Other Changes in Plan Fiduciary Net Position | - |
| 8. Recognition of Outflow/(Inflow) due to Non-investment Experience | 10,020,719 |
| 9. Recognition of Outflow/(Inflow) due to Assumption Changes | (35,456,316) |
| 10. Recognition of Outflow/(Inflow) due to Investment Experience | 528,625 |
| 11. Total OPEB Expense | \$ 114,185,096 |
| B. Reconciliation of Net OPEB Liability | |
| 1. Net OPEB Liability beginning of year | \$ 735,896,935 |
| 2. OPEB Expense | 114,185,096 |
| 3. Employer Contributions | (77,190,616) |
| 4. Change in Outflow/(Inflow) due to Non-investment Experience | 11,273,378 |
| Change in Outflow/(Inflow) due to Assumption Changes | (24,264,663) |
| Change in Outflow/(Inflow) due to Investment Experience | 2,376,982 |
| 7. Net OPEB Liability End of year | \$ 762,277,112 |



Schedule of Outflows and Inflows of Resources

| | Non-Ir | vestment Experie | nce | Assumption | Changes | Investment Experience | | | |
|--|--|--|--|--|---|---|--|---|--|
| Plan Year Beginning | 7/1/2017 | 7/1/2018 | 7/1/2019 | 7/1/2017 7/1/20 | <u>7/1/2019</u> | 7/1/2017 | 7/1/2018 | 7/1/2019 | |
| (Gain)/Loss | \$ 30,739,181 | \$ (8,091,913) \$ | 21,294,097 | \$ (96,779,146) \$ | - \$ (59,720,979) | \$ (890,641) \$ | 628,158 \$ | 2,905,607 | |
| Amortization Factor | 4.738362 | 4.430801 | 3.972998 | 4.738362 4.43 | 3.972998 | 5.000000 | 5.000000 | 5.000000 | |
| Amortization Amount | \$ 6,487,301 | \$ (1,826,287) \$ | 5,359,705 | \$ (20,424,599) \$ | - \$ (15,031,716) | \$ (178,128) \$ | 125,632 \$ | 581,121 | |
| Amortization for Plan Year End | | | | | | | | | |
| 6/30/2018 6/30/2019 6/30/2020 6/30/2021 6/30/2022 6/30/2023 6/30/2024 6/30/2025 Total Deferred Outflows/(Inflows) Recognized in OPEB Expense for Current Plan Year End | \$ 6,487,301 6,487,301 6,487,301 4,789,977 - - \$ 30,739,181 | (1,826,287) \$ (1,826,287) (1,826,287) (786,766) | 5,359,705 5,359,705 5,359,705 5,214,982 - - 21,294,097 | \$ (20,424,599) (20,424,599) (20,424,599) (20,424,599) (15,080,748) - - - \$ (96,779,146) \$ Outflows (Inflow | - \$ (15,031,716) - (15,031,716) - (15,031,716) - (14,625,830) | \$ (178,128) (178,128) \$ (178,128) (178,128) (178,128) - - - \$ (890,641) \$ | 125,632 125,632 125,632 125,632 125,632 - - - 628,158 \$ | 581,121 581,121 581,121 581,121 581,121 - 2,905,607 | |
| 6/30/2020 Deferred Outflows/(Inflows) Recognized in OPEB Expense for Future Plan Years Ending | \$ 11,847,006 | \$ (1,826,287) \$ | 10,020,719 | \$ - \$ (35,45 | 6,316) \$ (35,456,316) | \$ 706,753 \$ | (178,128) \$ | 528,625 | |
| 6/30/2021 6/30/2022 6/30/2023 6/30/2024 6/30/2025 | \$ 11,847,006 9 10,149,682 5,214,982 - - \$ 27,211,670 9 | (1,826,287) (786,766) - | 10,020,719 8,323,395 4,428,216 - - 22,772,330 | - (30,11 - (14,62 - | | \$ 706,753 \$ 706,753 706,753 581,121 - \$ 2,701,380 \$ | (178,128) \$ (178,128) (356,256) \$ | 528,625 528,625 706,753 581,121 - 2,345,123 | |
| Change In Deferred Outflows/(Inflows) Recognized in Liability and Assets for Current Plan Year End | | | | | | | | | |
| 6/30/2020 | | \$ | 11,273,378 | | \$ (24,264,663) | | \$ | 2,376,982 | |





SUPPORT OF GASB Nos. 74 AND 75 DISCOUNT RATE

Projections and Development of Discount Rate

The methodology used to develop the GASB Statement Nos. 74 and 75 discount rate as of June 30, 2020, is based on an actuarial projection of assets and liabilities which fully funds the actuarial liability. The general approach is as follows:

- MPS contributes pay-as-you-go contributions, plus an additional pre-funding contribution of 5.0
 percent of expected employer paid claims.
- MPS also makes level dollar contributions from 2021 to 2037 that are projected to fully finance Alternative C liabilities by 2037.
- Contributions are made to an IRC Section 115 trust that MPS established for the exclusive purpose of pre-funding retiree healthcare benefits.
- Assets and pre-funding contributions, in excess of three months of expected costs, remain in a long-term account which is assumed to earn 7.00 percent per year. Three months of expected costs are held in a short-term account which is assumed to earn 2.75 per year.
- Operating expenses are assumed to equal 0.5 percent of expected net employer costs.
- Assets in the long-term account are not expected to be used to pay benefits until the closed plan is fully funded. However, MPS may use assets in the long-term account if there is a non-appropriation in a budget year to fully pay all current year pay-as-you-go contributions.
- The GASB Nos. 74 and 75 discount rate used to develop the projected Total OPEB Liability at June 30, 2020, phases in the short-term assumed rate of 2.75 percent and the long-term rate of 7.00 percent over the period that the closed plan is projected to be fully funded.

The projection methodology produced a full funding period of 17 years and an effective discount rate of 5.33 percent. The details of the projections were presented on pages A-4 and A-5.

Please note that the preceding methodology assumes MPS will make pre-funding annual contributions through 2037 of: (i) at least 5.0 percent of expected claims, plus (ii) annual level dollar contributions for Alternative C benefits, which are projected to fully fund projected actuarial liabilities at plan year end 2037. If MPS deviates significantly from the pre-funding objective, the full funding target year may be extended or never be reached, which would decrease the effective discount rate and increase the Total OPEB Liability.

Paragraph 50 of GASB Statement No. 74 provides guidance for cases in which the sponsor has deviated from the funding policy. A review of at least a five-year history of the contributions and "other known events and conditions" should be considered when evaluating the funding progress of the plan.



Projections and Development of Discount Rate

The following table provides a five-year history of expected versus actual contributions. For fiscal years ending 2020, 2019, and 2018, MPS made contributions that exceeded pay-as-you-go cost by a significant margin. However, for fiscal years ending 2017 and 2016, MPS contributions were significantly lower than pay-as-you-go costs. If MPS makes pre-funding contributions that are less than the funding policy target, we may no longer be able to use the preceding methodology to develop the discount rate for GASB Statement Nos. 74 and 75 reporting.

| Fiscal Year End June 30, | 2020 2019 | | 2018 2017 | | | 2016 | | |
|--------------------------------------|------------------|----|------------|------------------|----|--------------|----|-------------|
| | | | | | | | | |
| (A) Employer Contributions | \$ 77,190,616 | \$ | 58,235,819 | \$ 53,242,638 | \$ | 33,755,421 | \$ | 53,072,438 |
| (B) Net Employer PAYGO Costs | 47,099,851 | | 44,135,647 | 47,544,292 | | 52,906,009 | | 55,926,607 |
| (C) Excess Contributions [(B) - (A)] | 30,090,765 | | 14,100,172 | 5,698,347 | | (19,150,588) | | (2,854,169) |
| (D) % of Net Employer PAYGO Costs | 63.9% | | 31.9% | 12.0% | | -36.2% | | -5.1% |



Schedule of Investment Returns

| FY Ending June 30 | Annual Money-Weighted Rate of Return, Net of Investment Expenses | | | | |
|-------------------|--|--|--|--|--|
| | | | | | |
| 2017 | 3.30% | | | | |
| 2018 | 7.55% | | | | |
| 2019 | 6.46% | | | | |
| 2020 | 5.23% | | | | |

Target Asset Allocation

Based on Current Investment Policy

| Growth Assets | |
|----------------------|-----------|
| Domestic Equity | 19% - 59% |
| International Equity | 1% - 41% |
| Other | 0% - 20% |
| Income Assets | |
| Fixed Income | 20% - 60% |
| Other | 0% - 20% |
| Real Return Assets | 0% - 20% |
| Cash Equivalents | 0% - 20% |



SECTION G

PLAN PROVISIONS

Plan Provisions

Plan Members

Milwaukee Public School (hereinafter referred to as MPS or the Board) employees can qualify to continue healthcare benefits as a retiree for themselves and their eligible dependents if they satisfy the eligibility requirements and were enrolled in an MPS health plan as an active subscriber at the time of retirement. Members hired or rehired on or after July 1, 2013, are not eligible to continue healthcare benefits as a retiree.

Board members can qualify to continue healthcare benefits for themselves and their eligible dependents upon leaving the Board provided they are at least age 55 years of age and have served a minimum of eight full years on the Board. This provision terminated for all Board members on and after the 2001 Board organizational meeting except for previous Board members who already qualified for this benefit and Board members who were in office as of January 25, 2000, who met the eligibility requirements as of September 1, 1999.

Access to the MPS PPO/Indemnity Health Plan was eliminated as a plan option for active employees in the following units:

Building Trades
 ASC Unit
 MTEA-Substitute Teacher Unit
 Effective September 1, 2010
 Effective November 1, 2011
 Effective September 1, 2011

Access to the MPS PPO/Indemnity Health Plan was eliminated as an option for retiree health insurance effective with dates of retirement on or after the dates indicated below for the following units:

Building Trades Retirement dates on/after September 1, 2010
 ASC Unit Retirement dates on/after November 1, 2011
 MTEA-Substitute Teacher Unit Retirement dates on/after August 1, 2011

Active health benefits were eliminated for employees in the following units including the eligibility to retire with retiree health benefits on/after the following effective dates:

Local 150-FS Unit – 775 hourly
 MTEA-Substitute Teachers Unit
 Local 1053 – Part-time clericals
 Part-time employees*
 Seasonal Laborers (rehire or layoff)
 Effective September 1, 2012
 Effective February 1, 2013
 Effective July 1, 2012*
 Effective July 1, 2012

(*Note: The eligibility provisions for active health benefits for part-time classified employees was changed to positions regularly scheduled for 30 or more hours per week or positions that are scheduled at 75 percent or more of a full-time position effective July 1, 2012, in the following units: Local 150 Building Service Unit, Local 150 Food Service Unit, MTEA-Educational Assistant Unit, Local 1053 Unit, MTEA-School Bookkeeper Unit, Local 950 Unit, Local 1616 Unit and Building Trades. A group of active classified employees currently working in positions regularly scheduled for 20 hours but less than 30 hours were grandfathered through August 31, 2013.



Plan Provisions (Continued)

The eligibility provisions for active health benefits for part-time classified and certificated employees was changed to positions regularly scheduled for 30 hours or more hours per week or positions that are scheduled at 75 percent or more of a full-time position effective July 1, 2013, in the following units: ASC Unit, MTEA-Teachers Unit, PAMPS Unit, Local 1053 exempts, ASC exempts, Office of Board Governance, Office of Accountability and Efficiency and Cabinet-Level Employees.)

Eligible Service

Eligible Service includes service with Milwaukee Public Schools as an active employee and service accrued while on leave, paid or unpaid, for represented employees in accordance with applicable collective bargaining agreement and plan provisions, or, when such bargaining agreement provisions expire, in accordance with Board policy and plan provisions; for non-represented employees in accordance with Board policy and plan provisions. With regard to Local 1053, only regular full-time service with Milwaukee Public Schools is included for Eligible Service. In addition, service while covered under the City of Milwaukee Employees' Retirement System (ERS) counts as Eligible Service for the following groups, for represented employees in accordance with applicable collective bargaining agreement and plan provisions, or, when such bargaining agreement provisions expire, in accordance with Board policy and plan provisions; for non-represented employees in accordance with Board policy and plan provisions:

- ASC Unit including exempts;
- Building Trades;
- Cabinet-Level employees;
- Local 950 Unit;
- Local 1053 Unit including exempts;
- Local 1616 Unit;
- Office of Board Governance;
- Office of Accountability and Efficiency; and
- Superintendent.

Normal Retirement

Eligibility conditions:

Age 55 and 15 years of Eligible Service for dates of retirement before July 1, 2013.

Effective with dates of retirement on/after July 1 2013, whichever of the following occurs earlier:

- Age 60 and 20 years of Eligible Service; OR
- Age 55 or older with 30 or more years of Eligible Service until sunset on July 1, 2015.

Benefit: On a self-paid basis, continuation in an MPS retiree health plan in single or family coverage status that the employee was enrolled in at time of retirement. Represented employees who satisfy the eligibility requirements at the time of retirement may receive a Board-paid subsidy in accordance with applicable collective bargaining agreement and plan provisions, or, when such bargaining agreement provisions expire, in accordance with Board policy and plan provisions; non-represented employees who



Plan Provisions (Continued)

satisfy the eligibility requirements at the time of retirement may receive a Board-paid subsidy in accordance with Board policy and plan provisions.

An Early Retirement Window was passed whereby effective with dates of retirement on July 1, 2017 through June 30, 2020, employees who are age 55 or older, with 20 or more years of eligible service may qualify for retiree health and life insurance. The 90 percent sick leave accumulation is still required for a Board subsidy toward the cost of retiree health insurance coverage.

On May 28, 2020 the Board approved that the requirements to receive retiree health and life benefits for employees hired prior to July 1, 2013 will change as of July 1, 2020

Duty Disability Retirement

Eligibility Conditions: An MPS employee, who retires on duty-incurred disability pension due to a compensable workers compensation injury or illness, may continue in an MPS health plan. No age or service requirements apply.

Benefit: Coverage is Board-paid for five years after the workers compensation settlement; five years after date of duty incurred disability retirement for Local 150 Building Service Helpers; and five years after the date of the workers compensation incident for Local 950, Local 1616 and Building Trades. After the five-year period, the retiree may continue on a self-paid basis. This benefit does not apply to Local 150 Food Service, MTEA Substitute Teachers and Board Members.

NOTE: Eligibility for this duty disability retirement provision ended June 30, 2013.

Disability Retirement (Non-Duty)

Eligibility Conditions: The following groups are eligible for continuation in an MPS health plan on a self-paid basis as a retiree if they apply and qualify for a disability pension under the Wisconsin Retirement System (WRS) or ERS and have 15 years of Eligible Service (20 years of Eligible Service effective July 1, 2013):

- ASC Unit including exempts;
- Cabinet-Level employees;
- Superintendent;
- Office of Board of Governance;
- Office of Accountability and Efficiency; and
- MTEA-Teachers Unit.

Medicare

Retirees and eligible spouses are required to enroll in Medicare Part B upon attainment of age 65 or when first eligible due to a disability. Plan Members who participated in Social Security while working are also required to enroll in Medicare Part A. The Board provides retiree healthcare benefits that are secondary to Medicare for Medicare eligible retirees and dependents. MPS has applied for and is receiving the Medicare Part D subsidy as available under the Medicare Modernization Act. Effective



Plan Provisions (Continued)

January 1, 2014, MPS has implemented a self-funded Employer Group Waiver Plan with a Commercial Wrap.

Effective January 1, 2015, all Medicare eligible retirees and their Medicare eligible spouses have been enrolled in the MPS Group Medicare Advantage Plan that includes a group Medicare Part D pharmacy benefit.

For non-Medicare retirees and active employees, effective January 1, 2015, the District added a High Deductible Health Plan (HDHP) with a health savings account (HSA). The HSA is available only to active employees with an employer contribution of \$400 for a single HDHP and \$800 for a family HDHP annually. The HDHP was offered to all active employees with a lower premium share ranging from 2 percent to 9 percent based on their annual salary.

Effective January 1, 2017, non-Medicare retirees and active employees in the ASC employee unit will have the PPO plan as a health plan option in addition to the EPO and HDHP plans.

Employer Funding Policy

MPS finances net retiree claims in excess of retiree contributions directly from its general fund. MPS has also established an IRC Section 115 trust to prefund retiree healthcare and life insurance benefits and contributes 105 percent of actual retiree healthcare claims and retiree life insurance premiums beginning in fiscal year 2011.

The Retiree Plan's policy in regard to the allocation of invested assets is established and may be amended by Board policy of the District's Governing Body. It is the policy of the District's Governing Body to pursue an investment strategy that reduces risk through the prudent diversification of the portfolio across a broad selection of distinct asset classes. The Retiree Plan's investment policy discourages the use of cash equivalents, except for liquidity purposes, and aims to refrain from dramatically shifting asset class allocations over short time spans. The following table shows the program's range and targeted asset allocation.

| | Asset Allocation | | | | |
|----------------------|------------------|-----------|--|--|--|
| Asset Class | Range | Target | | | |
| Growth Assets | | | | | |
| Domestic Equity | 19% - 59% | 39% | | | |
| International Equity | 1% - 41% | 21% | | | |
| Other | 0% - 20% | 0% | | | |
| Income Assets | | | | | |
| Fixed Income | 20% - 60% | 40% | | | |
| Other | 0% - 20% | 0% | | | |
| Real Return Assets | 0% - 20% | 0% | | | |
| Cash Equivalents | <u>0% - 20%</u> | <u>0%</u> | | | |
| Total | <u>100%</u> | 100% | | | |



On August 25, 2016, the Governing Body approved a policy change in the OPEB investment policy from a 100 percent short and intermediate fixed income portfolio asset allocation target to the allocation targets as reflected above. This change was made to diversify the portfolio asset allocation with a long-term investment perspective invested in a similar time horizon as the liabilities.

Rate of return. For the year ended June 30, 2020, the annual money-weighted rate of return on investments, net of investment expense, was 5.23 percent. The money-weighted rate of return expresses investment performance, net of investment expense, adjusted for the changing amounts actually invested.

Premium Cost Sharing

Retirees with Dates of Retirement before July 1, 2013

An eligible employee who meets the age and service requirements with 70 percent or more of the maximum accumulated sick leave at the time of retirement will receive a monthly Board subsidy at the Board's share of the PPO/Indemnity Health Plan active single plan or family plan premium rate in effect as of the employee's date of retirement in accordance with applicable collective bargaining agreement and plan provisions for represented employees, or, when such bargaining agreement provisions expire, in accordance with Board policy and plan provisions; for non-represented employees in accordance with Board policy and plan provisions. (Note: The Board's share of the applicable active plan premium rate is net of the employee required premium contribution in effect as of the employee's retirement date for all groups except MTEA-Teachers and PAMPS.)

For dates of retirement on or after July 1, 2013, an eligible employee who meets the age and service requirements with 90 percent or more of the maximum accumulated sick leave at the time of retirement will receive a monthly Board subsidy at the Board's share of the average of the PPO/Indemnity Health Plan and EPO Health Plan active single plan or family plan premium rate in effect as of the employee's date of retirement in accordance with applicable collective bargaining agreement and plan provisions for represented employees, or, when such bargaining agreement provisions expire, in accordance with Board policy and plan provisions; for non-represented employees in accordance with Board policy and plan provisions. (Note: The Board's share of the applicable active plan premium rate is net of the employee required premium contribution in effect as of the employee's retirement date.)

The Board's share of the EPO Health Plan is used for the monthly Board subsidy for Building Trades employees who retire on or after September 1, 2010, and for MTEA Substitute Teachers who retire during the period of August 1, 2011, through June 30, 2012. (Note: For the MTEA—Substitute Teachers Unit, active health insurance ended August 31, 2012, and eligibility for retiree health insurance ended with dates of retirement on or after July 1, 2012.)

Ten-month employees in the MTEA—Teachers, Educational Assistants, Accountants/Bookkeepers Units, ASC Unit (represented and exempt), PAMPS Unit, Local 1053 Unit including exempts and Cabinet Level employees who submit a retirement notice by March 1 and Substitute Teachers who submit a retirement notice by April 1 will receive the greater of the June 30 or July 1 premium rate as their monthly Board subsidy in accordance with applicable collective bargaining agreement and plan provisions for represented employees, or, when such bargaining agreement provisions expire, in accordance with



Board policy and plan provisions; non-represented employees who satisfy the eligibility requirements at the time of retirement may receive a Board-paid subsidy in accordance with Board policy and plan provisions. This provision was expanded to all 10-month benefit eligible employees effective with submission of a retirement notice by March 1, 2013, and each year forward by March 1st.

Generally, the Board subsidy remains fixed for the lifetime of the retiree while the retiree continues enrollment in an MPS health plan for retirees with dates of retirement before July 1, 2013. MPS will reimburse the retiree for the amount of the retiree's Medicare Part B premium, including the Income Related Monthly Adjustment, in an amount not to exceed the Board subsidy. Employees who meet all other eligibility requirements, but do not meet the 70 percent or, as applicable, the 90 percent maximum accumulated eligibility requirement for the Board subsidy, may continue coverage in an MPS health plan as a retiree on a self-paid basis.

When husband and wife both retire from the Board and meet eligibility requirements for retiree health coverage as of his/her date of retirement effective as indicated in the chart below, the Board will pay only its portion of one family or two single plans:

| Units | Retirement Date |
|--|-------------------|
| Administrators and Supervisors | 1/01/07 and after |
| Exempt Administrators and Supervisors | 1/01/07 and after |
| Bookkeeper/Accountants | 7/01/12 and after |
| Building Engineers | 2/28/08 and after |
| Building Service Helpers | 4/24/08 and after |
| Building Trades | 2/28/08 and after |
| Cabinet Level | 1/01/07 and after |
| Clerical-Technical | 6/30/09 and after |
| Exempt from Clerical-Technical | 6/30/09 and after |
| Educational Assistants/Safety Assistants | 7/01/12 and after |
| Food Service, CHA, SNA | 2/28/08 and after |
| Office of Accountability and Efficiency | 1/01/07 and after |
| Office of Board Governance | 1/01/07 and after |
| Psychologists | 4/01/11 and after |
| Substitute Teachers | 7/01/12 and after |
| Superintendent | 1/01/07 and after |
| Teachers | 7/01/13 and after |
| Warehouse, Distribution, Buyers, etc. | 3/30/08 and after |

A special one-time provision providing the higher PPO/Indemnity Health Plan rate of March 31, 2011, or July 1, 2011, was extended to the following groups for eligible employees who gave their retirement notice by April 1, 2011, and retired by the end of their regular work year in June, 2011, or where applicable for 12-month employees who retired June 30, 2011:

- ASC Unit including exempts;
- Cabinet-Level employees;
- Local 1053 Unit including exempts;
- MTEA-Bookkeepers Unit;
- MTEA-Educational Assistants Unit;
- MTEA-Teachers Unit; and
- PAMPS Unit.



Effective on the date of the 2001 Board Organizational meeting, Board members are not eligible to continue in the District's retiree group health plans upon leaving the Board.

Retirees with Dates of Retirement on/after July 1, 2013

Effective with dates of retirement on/after July 1, 2013, the Board's share of the average of the active PPO/Indemnity Health Plan and the active EPO Health Plan, (single or family plan premium rate) in effect at date of retirement will be the Board subsidy and is reduced by the employee premium contribution for the annual base salary band in effect as of the employee's retirement date. Upon the retiree reaching Medicare eligibility (currently age 65), the Board subsidy will be adjusted (reduced) to the Board's share of the average of the Medicare rates in effect as of the date of retirement, for the plan the retiree is in upon reaching Medicare eligibility, to reflect coordination with Medicare.

Effective with dates of retirement on/after July 1, 2013, the methodology to determine premium rates will be changed to establish a pre-Medicare retiree premium rate for self-paid coverage (e.g., for those retirees who are not eligible for the Board-paid subsidy).

On March 30, 2017, the Milwaukee Board of School Directors approved an Early Retirement Window (ERW) program. Under the ERW, certain employees under age 60 may retire with health and life insurance benefits. Eligible ERW members: (i) have attained at least age 55 between July 1, 2017, and June 30, 2020, (ii) have earned at least 20 years of MPS service, and (iii) have accrued at least 90 percent of the maximum sick leave balance. The ERW ends on June 30, 2020; however, members may elect to retire after June 30, 2020, and receive ERW benefits. The actuarial valuation as of July 1, 2019, reflects emerging ERW experience through December 31, 2019.

On May 28, 2020, the Milwaukee Board of School Directors approved Alternative C (55/20/70%) changes to the retiree healthcare and life insurance program. Alternative C permanently changes the eligibility requirements for all eligible members upon retirement to: (i) have attained at least age 55, (ii) have earned at least 20 years of MPS service, and (iii) have accrued at least 70 percent of the maximum sick leave balance. Alternative C also provides actuarially based level dollar pre-funding of additional benefits due to Alternative C so that the program is projected to be fully funded by 2037.

Surviving Spouse Coverage

Death of Employee in Active Service ¹

If an MPS employee dies while in active service and has met the eligibility requirements of 15 or more years of Eligible Service (or effective July 1, 2013, the eligibility requirements of 20 or more years of Eligible Service):

1. The surviving spouse and eligible dependents can continue health coverage with the Board paying its share of the premium until the surviving spouse remarries or is covered by another group insurance plan.



- 2. When the surviving spouse turns age 60, he/she (but not any dependents) will be eligible to continue coverage in a single plan and will be covered as a surviving spouse of an employee who retired that month.
 - The Board subsidy will be the Board's share of the single premium for the PPO/Indemnity Health Plan, or the EPO Health Plan as applicable in effect as of the date of the surviving spouse's turning age 60 if the employee had the required 70 percent of maximum sick leave balance as of the employee's date of death. Thereafter, the surviving spouse is required to pay all future premium increases.
 - Effective July 1, 2013, the Board subsidy will be the Board's share of the single premium for the average of the PPO/Indemnity Health Plan and EPO Health Plan, or the EPO Health Plan as applicable in effect as of the date of the surviving spouse's turning age 60 if the employee had the required 90 percent of maximum sick leave balance as of the employee's date of death. Upon reaching Medicare eligibility, the Board subsidy will be adjusted (reduced) to the Board's share of the Medicare rate in effect as of the surviving spouse's turning age 60 to reflect coordination with Medicare. Thereafter, the surviving spouse is required to pay all future premium increases.
 - If the employee did not have the required 70 percent (or 90 percent effective July 1, 2013) of maximum sick leave as of the employee's date of death, continuation in health coverage will be self-paid. Effective July 1, 2013, the pre-Medicare retiree premium rates shall be used for such self-paid pre-Medicare coverage.

Death of Employee after Retirement ¹

If the employee dies after retirement:

- The surviving spouse (but not any dependents) can continue coverage under the MPS retiree health insurance in a single plan until the spouse remarries or is otherwise covered by another group health insurance plan.
- The Board subsidy will be adjusted to the Board's share of the premium rate of a single active PPO/Indemnity Health Plan, or EPO Health Plan, or the average of the PPO/Indemnity Health Plan and the EPO Health Plan for dates of retirement on or after July 1, 2013, as applicable, which was in effect as of the deceased employee's date of retirement. For dates of retirement on or after July 1, 2013, upon reaching Medicare eligibility the Board subsidy will be adjusted (reduced) to the Board's share of the Medicare rate in effect as of the date of retirement.



¹ Does not apply to Local 150 Food Service, MTEA-Substitute Teachers and Board Members.

¹ Does not apply to MTEA-Substitute Teachers and Board Members who have not met the eligibility requirements as of September 1, 1999.

Premium Rates as of January 1, 2019

| | | | PPO Plan ¹ | | | |
|------------------------|-----------|------------------|---------------------------|-------------|-------------|------------|
| - | | Single + | Single + | | | |
| | | Spouse/Dependent | Spouse/Dependent | Family w/o | Family | |
| | Single | 1 with Medicare | Both with Medicare | Medicare | w/Medicare | |
| Active | \$ 737.65 | | | \$ 1,733.48 | | |
| Retiree (Non-Medicare) | 737.65 | \$ 932.65 | | 1,733.48 | \$ 1,190.83 | (1 w/Med.) |
| Retiree (Medicare) | 195.00* | 932.65 | \$ 390.00* | | 648.18 | (2 w/Med.) |
| | | | EPO Plan ¹ | | | |
| | | Single + | Single + | | | |
| | | Spouse/Dependent | Spouse/Dependent | Family w/o | Family | |
| | Single | 1 with Medicare | Both with Medicare | Medicare | w/Medicare | |
| Active | \$ 763.47 | | | \$ 1,794.15 | | |
| Retiree (Non-Medicare) | 763.47 | \$ 958.47 | | 1,794.15 | \$ 1,225.68 | (1 w/Med.) |
| Retiree (Medicare) | 195.00* | 958.47 | \$ 390.00* | | 657.21 | (2 w/Med.) |
| _ | | | HDHP ¹ | | | |
| | | Single + | Single + | | | |
| | | Spouse/Dependent | Spouse/Dependent | Family w/o | Family | |
| | Single | 1 with Medicare | Both with Medicare | Medicare | w/Medicare | |
| Active | \$ 710.69 | | | \$ 1,650.22 | | |
| Retiree (Non-Medicare) | 710.69 | \$ 905.69 | | 1,650.22 | \$ 1,134.54 | (1 w/Med.) |
| Retiree (Medicare) | 195.00* | 905.69 | \$ 390.00* | | 618.85 | (2 w/Med.) |

| | | Self-Pay I | Retiree Rates | | | | |
|------------------------|-------------|------------------|---------------------------|-------------|-------------|------------|--|
| | | PPO Plan | | | | | |
| | | Single + | Single + | | | | |
| | | Spouse/Dependent | Spouse/Dependent | Family w/o | Family | | |
| | Single | 1 with Medicare | Both with Medicare | Medicare | w/Medicare | | |
| Retiree (Non-Medicare) | \$ 1,106.17 | \$ 1,301.17 | | \$ 2,212.34 | \$ 1,301.17 | (1 w/Med.) | |
| Retiree (Medicare) | 195.00* | 1,301.17 | \$ 390.00* | | 702.14 | (2 w/Med.) | |
| | | | EPO Plan | | | | |
| | | Single + | Single + | | | | |
| | | Spouse/Dependent | | Family w/o | Family | | |
| | Single | 1 with Medicare | Both with Medicare | Medicare | w/Medicare | | |
| Retiree (Non-Medicare) | \$ 1,139.35 | \$ 1,334.35 | | \$ 2,278.71 | \$ 1,334.35 | (1 w/Med.) | |
| Retiree (Medicare) | 195.00* | 1,334.35 | \$ 390.00* | | 713.06 | (2 w/Med.) | |
| | | | HDHP | | | | |
| | | Single + | Single + | | | | |
| | | Spouse/Dependent | | Family w/o | Family | | |
| | Single | 1 with Medicare | Both with Medicare | Medicare | w/Medicare | | |
| Retiree (Non-Medicare) | \$ 1,084.19 | \$ 1,279.19 | | \$ 2,168.39 | \$ 1,279.19 | (1 w/Med.) | |
| Retiree (Medicare) | 195.00* | 1,279.19 | \$ 390.00* | . , | 674.05 | (2 w/Med.) | |

 $^{^{1}}$ Premium for active members in the PPO, EPO and HDHP plans includes vision coverage.

^{*} MPS Group Medicare Advantage Plan.



Premium Rates as of January 1, 2020 (Rates effective through December 31, 2020)

| | | | PPO Plan ¹ | | | |
|------------------------|-----------|------------------|---------------------------|-------------|-------------|------------|
| _ | | Single + | Single + | | | |
| | | Spouse/Dependent | Spouse/Dependent | Family w/o | Family | |
| | Single | 1 with Medicare | Both with Medicare | Medicare | w/Medicare | |
| Active | \$ 800.15 | | | \$ 1,880.35 | | |
| Retiree (Non-Medicare) | 800.15 | \$ 1,032.20 | | 1,880.35 | \$ 1,312.25 | (1 w/Med.) |
| Retiree (Medicare) | 232.05* | 1,032.20 | \$ 464.10* | | 744.15 | (2 w/Med.) |
| | | | EPO Plan ¹ | | | |
| _ | | Single + | Single + | | | |
| | | Spouse/Dependent | Spouse/Dependent | Family w/o | Family | |
| | Single | 1 with Medicare | Both with Medicare | Medicare | w/Medicare | |
| Active | \$ 828.15 | | | \$ 1,946.16 | | |
| Retiree (Non-Medicare) | 828.15 | \$ 1,060.20 | | 1,946.16 | \$ 1,350.06 | (1 w/Med.) |
| Retiree (Medicare) | 232.05* | 1,060.20 | \$ 464.10* | | 753.95 | (2 w/Med.) |
| _ | | | HDHP Plan ¹ | | | |
| _ | | Single + | Single + | | | |
| | | Spouse/Dependent | Spouse/Dependent | Family w/o | Family | |
| | Single | 1 with Medicare | Both with Medicare | Medicare | w/Medicare | |
| Active | \$ 768.08 | | | \$ 1,784.39 | | |
| Retiree (Non-Medicare) | 768.08 | \$ 1,000.13 | | 1,784.39 | \$ 1,248.37 | (1 w/Med.) |
| Retiree (Medicare) | 232.05* | 1,000.13 | \$ 464.10* | | 712.34 | (2 w/Med.) |

| | Self-Pay Retiree Rates | | | | | |
|------------------------|------------------------|---------------------------|---------------------------|-------------|-------------|------------|
| | | • | PPO Plan | | | |
| | | Single + Spouse/Dependent | Single + Spouse/Dependent | Family w/o | Family | |
| | Single | 1 with Medicare | Both with Medicare | Medicare | w/Medicare | |
| Retiree (Non-Medicare) | \$ 1,092.38 | \$ 1,324.43 | | \$ 2,184.77 | \$ 1,324.43 | (1 w/Med.) |
| Retiree (Medicare) | 232.05* | 1,324.43 | \$ 464.10* | | 806.06 | (2 w/Med.) |
| | | EPO Plan | | | | |
| | | Single + | Single + | | | |
| | | Spouse/Dependent | Spouse/Dependent | Family w/o | Family | |
| | Single | 1 with Medicare | Both with Medicare | Medicare | w/Medicare | |
| Retiree (Non-Medicare) | \$ 1,125.16 | \$ 1,357.21 | | \$ 2,250.31 | \$ 1,357.21 | (1 w/Med.) |
| Retiree (Medicare) | 232.05* | 1,357.21 | \$ 464.10* | | 818.03 | (2 w/Med.) |
| | | | HDHP Plan | | | |
| | | Single + | Single + | | | |
| | | Spouse/Dependent | Spouse/Dependent | Family w/o | Family | |
| | Single | 1 with Medicare | Both with Medicare | Medicare | w/Medicare | |
| Retiree (Non-Medicare) | \$ 1,071.10 | \$ 1,303.15 | | \$ 2,142.20 | \$ 1,303.15 | (1 w/Med.) |
| Retiree (Medicare) | 232.05* | 1,303.15 | \$ 464.10* | | 775.28 | (2 w/Med.) |

¹ Premium for active members in the PPO, EPO and HDHP plans includes vision coverage.

Members that retired on or after July 1, 2013, and do not receive a Board-paid subsidy pay the Self-Pay retiree rates.



^{*} MPS Group Medicare Advantage Plan.

Active Employee Premium Share for Health Insurance

Effective August 1, 2011, all active employees pay premium contributions for health insurance based on either a percentage of the active premium rate or a percentage of salary (for the MTEA-Teacher Unit) in accordance with applicable collective bargaining agreement and plan provisions for represented employees, or, when such bargaining agreement provisions expire, in accordance with Board policy and plan provisions; for non-represented employees in accordance with Board policy and plan provisions.

Prior to August 1, 2011, there was no cost to most active employees; Cabinet members pay 5 percent of the premium and Board members pay any difference between the plan they have selected and the lowest cost plan. Effective with the union contract settlements (2005-2006), there is a conditional employee premium contribution of 2.5 percent for those enrolled in the PPO/Indemnity Plan if the premium for this plan increases greater than 17 percent. If the conditional premium share is triggered, future retired members that receive a Board-paid subsidy would receive a subsidy amount equal to the PPO/Indemnity Plan premium rate at the time of retirement less the 2.5 percent conditional premium amount. This conditional premium share was never triggered and has been replaced by the aforementioned required employee premium contributions effective with the 2010/2011 contract settlements and Board policy.

Effective July 1, 2012, or July 1, 2013, as described below, all active employees will pay a percentage of premium for health insurance based on their annual base salary as follows:

| Annual Base Salary | Plan | PPO % of Premium | EPO % of Premium | HDHP Effective 1/1/2015 % of Premium |
|---------------------|------------------|---------------------|---------------------|---|
| \$25,000 or Under | Single or Family | 11% | 5% | 2% |
| \$25,001 - \$50,000 | Single or Family | 12% | 8% | 5% |
| \$50,001 - \$75,000 | Single or Family | 13% | 10% | 7% |
| \$75,000 and above | Single or Family | 14% | 12% | 9% |

Effective July 1, 2012, new contributions and new plan design for the following employee units:

Local 150 Building Service Helpers Unit Building Trades

Local 150 Food Service Unit

Local 950 Building Engineers Unit

MTEA-Bookkeepers/Accountants Unit

MTEA-Educational Assistants Unit

MTEA-Substitute Teachers Unit

Local 1616 Unit

Effective July 1, 2013, new contributions and new plan design for the following employee units:

ASC Unit including exempts

Cabinet Level employees

Local 1053 Exempts

MTEA-Teachers Unit PAMPS Unit

Office of Chief Accountability & Efficiency Office of Board Governance

Effective July 1, 2015, a new High Deductible Health Plan (HDHP) with a Health Savings Account (HSA) was made available to all active employees.



Life Insurance Benefit

The Board provides group life insurance coverage to eligible retirees equal to the annual earnings at retirement to the next even thousand dollars. Coverage is equal to the previous year's annual earnings for hourly employees included in 150 Food Services Unit, Local 150 Building Service Helpers Unit, MTEA-Substitute Teachers Unit, and part-time (20 hours per week; 30 hours per week effective July 1, 2012) 1616 Social Work Aides, Local 950 Unit, 1616 Seasonal Laborers and Building Trades. The life insurance face amount is reduced by 25 percent of the original amount each March 1 following the attainment of age 65, 66 and 67. A life insurance amount of 25 percent of the original life insurance benefit is payable if death occurs after March 1 following the retiree's 67th birthday. At the 25 percent reduction the Board will pay a maximum coverage of \$15,000 for 950 and Building Trades, \$20,000 for 1053 and 1616 and \$25,000 for PAMPS. The Board will pay for a maximum of \$10,000 of coverage for Local 150 Food Services and BSH in retirement. Effective with dates of retirement on/after July 1, 2013, the maximum benefit payable at the 25 percent reduction at age 67 is \$25,000. Active Substitute Teachers effective September 1, 2012, and active Seasonal Laborers effective with hire or layoff July 1, 2012, or after are no longer eligible for group life insurance coverage.

Sunset Provision: Employees who are age 55 or older with 30 or more years of MPS service can retire before age 60 (prior to July 1, 2015) and qualify for retiree life insurance benefits.

For all employee units retiring effective July 1, 2016, and after life insurance coverage at age 67 and over is Board-paid.

Vision Benefit

Retirees and dependents enrolled in the EPO plan receive vision coverage. Effective April 1, 2011, vision benefits for current and future retirees were discontinued.

Dental Benefit

Retirees and dependents are not eligible for dental coverage; however, retirees are eligible for self-pay COBRA coverage for up to 18 months.



Plan Provisions (Continued) Effective January 1, 2020 United Healthcare MPS PPO Choice Plus Plan Actives and Non-Medicare Eligible Retirees

| Plan Feature | | In Network | | Out of N | Network |
|---|---|--|---------------------------------------|--|------------------------------------|
| Annual Deductible | \$ 750 per person \$ 2,250 per family | | | \$ 1,500 per person \$ 4,500 per family | |
| Annual Coinsurance Limit (Includes Annual Deductible) | | 3,250 per per 9,750 per fan | | \$ 4,500 pe \$ 13,500 p | • |
| Covered Services | | Coinsuranc | <u>e</u> | <u>Coins</u> ı | <u>urance</u> |
| -Physicians Visits -Specialist Visits -Emergency Room | | 0% after \$20 (0% after \$35 (| • • | 50% after | deductible* |
| Emergency CareNon-Emergency Care | 100% after \$150 Co-pay 50% after deductible | | | | \$150 Co-pay deductible |
| -Inpatient Services | 80% after deductible* | | | 50% after deductible* | |
| -Outpatient Services | 80% after deductible* | | 50% after deductible* | | |
| | Tion 4 | Retail Up to 30- day Supply | <u>Mail Order</u> 90-day Supply | Retail Up to 30-day Supply | <u>Mail Order</u> 90-day Supply |
| Prescription Drug Co-pays | Tier 1 Generic Tier 2 | \$8 | \$16 | No benefit | No benefit |
| (Three-Tier Formulary) | Preferred Brand Tier 3 Non- Preferred Brand | 10% with \$25 min. 20% with \$50 min. | \$50 \$100 | | |
| Prescription Drug Out-of- Pocket Annual Limit | \$ 4,100 per person \$ 4,950 per family | | No Bo | enefit | |
| Maximum Lifetime Benefit | | None | | No | one |

^{*}Until coinsurance limit is met; 100% thereafter.



Plan Provisions (Continued) Effective January 1, 2020 United Healthcare MPS EPO Choice Actives and Non-Medicare Eligible Retirees

| Plan Feature | | In Network Only | , |
|---|---|--|--|
| Annual Deductible | \$ 350 per person \$ 1,050 per family | | |
| Annual Coinsurance Limit (Excludes Annual Deductible) | | 1,350 per perso 5 4,050 per famil | |
| Covered Services | | <u>Coinsurance</u> | |
| -Physicians Visits -Specialist Visits | | 0% after \$20 Co 00% after \$35 Co | |
| -Emergency Room• Emergency Care• Non-Emergency Care | 100% after \$125 Co-pay 50% after deductible | | |
| -Inpatient Services | 80% after deductible* | | |
| -Outpatient Services | 80% after deductible* | | |
| Prescription Drug Co-pays (Three-Tier Formulary) | Tier 1 Generic Tier 2 Preferred Brand Tier 3 Non- Preferred Brand | Retail Up to 30-day Supply \$8 10% with \$25 min. 20% with \$50 min. | Mail Order 90-day Supply \$16 \$50 |
| Prescription Drug Out-of- Pocket Annual Limit | \$6,000 per person \$10,650 per family | | |
| Maximum Lifetime Benefit | None | | |

^{*}Until coinsurance limit is met; 100% thereafter.



Plan Provisions (Continued) Effective January 1, 2020 United Healthcare MPS HDHP Plan Actives and Non-Medicare Eligible Retirees

| Actives and Non-Intedicate Lingible Netifiees | | | | | |
|---|---|---|---|--|---|
| Plan Feature | In Network | | | Out of | f Network |
| Annual Deductible | \$ 1,600 per person \$ 3,200 per family | | | \$ 3,200 per person \$ 6,400 per family | |
| Annual Coinsurance Limit (Includes Annual Deductible and Pharmacy Costs) | \$ 3,200 per person \$ 6,400 per family | | | \$ 6,400 per person \$ 12,800 per family | |
| <u>Covered Services</u> | | Coinsuran | <u>ce</u> | <u>Coin</u> | <u>surance</u> |
| -Physicians Visits -Specialist Visits -Emergency Room Emergency Care Non-Emergency Care | 80% after deductible* 80% after deductible* | | | 50% afte 80% afte | er deductible* er deductible* er deductible* : Covered |
| -Inpatient Services | Not Covered 80% after deductible* | | | | er deductible* |
| -Outpatient Services | 80% after deductible* | | | 50% after deductible* | |
| Prescription Drug Co-pays (Three-Tier Formulary) Preventive Only | Tier 1 Generic Tier 2 Preferred Brand Tier 3 Non- Preferred Brand | Retail Up to 30- day Supply \$8 10% with \$25 min. 20% with \$50 min. | Mail Order 90-day Supply \$16 \$50 \$100 | Retail Up to 30-day Supply No benefit | <u>Mail Order</u> 90-day Supply No benefit |
| Retail & Mail Order Pharmacy | 80% after deductible* | | r | None | |
| Maximum Lifetime Benefit | None | | ı | None | |

^{*}Until coinsurance limit is met; 100% thereafter.



Plan Provisions (Continued) Effective January 1, 2020

United Healthcare MPS Group Medicare Advantage Plan Medicare-Eligible Retirees

| Plan Feature | In Network/Out of Network | | | |
|---|--------------------------------------|---|------------------------------------|--|
| Annual Deductible | | None | | |
| Annual Coinsurance Limit (Excludes Annual Deductible) | \$ 1 | \$ 1,350 per person | | |
| <u>Covered Services</u> | | <u>Coinsurance</u> | | |
| -Physicians Visits -Specialists Visits | | \$20 Co-pay \$35 Co-pay | | |
| -Emergency Room • Emergency Care • Urgently Needed Care | | \$65 Co-pay \$35 Co-pay | | |
| -Inpatient Hospital Stay | \$0 Per Admit | | | |
| -Outpatient Hospital Services | \$100 Co-pay | | | |
| | Tion 1 | <u>Retail</u> Up to 30-day Supply | <u>Mail Order</u> 90-day Supply | |
| | Tier 1 Generic | \$8 | \$16 | |
| Prescription Drug Co-pays (Three-Tier Formulary) | Tier 2 Preferred Brand | \$25 | \$50 | |
| No out of network benefit | Tier 3 Non- Preferred Brand | \$50 | \$100 | |
| | Tier 4 Specialty Tier | \$50 | \$100 | |
| Maximum Lifetime Benefit | | None | | |



Life Insurance

| Eligible Groups | Eligibility for Board-Paid Benefit | Eligibility for Self-Paid Benefit |
|--|--|--|
| ASC-represented Employees ASC-exempt Employees | 30 years & age 55, fully Board-paid with dates of retirement before 7/1/13 | 15 years & age 55, self-paid to age 65. Fully Board-paid after 65. Self-paid until 65 at age 50 for Administrators on disability pension. |
| Cabinet Members Office of Board Governance Office of Chief Accountability and Efficiency | | Effective with dates of retirement on or after 7/1/13, 20 years & age 60, self-paid to age 65. Maximum benefit coverage amount of \$25,000 at 25% reduction. |
| Building Trades Local 950 – Building Engineers | N/A | 15 years & age 55, self-paid to age 65 & Board-paid after 65 if hired prior to 1/1/87. Maximum of \$15,000 Board-paid at 25% reduction. If hired after 1/1/87, self-paid until death; if eligible, at age 67 or over, Board-paid for retirements on 7/1/16 or later. |
| | | Effective with dates of retirement on or after 7/1/13, 20 years & age 60 self-paid to 65 & Board paid after 65. Maximum of \$15,000 Board-paid at 25% reduction; retiree self pays for coverage above \$15,000 to the \$25,000 maximum coverage amount. |
| Local 1053 – Clerical including exempts | 30 years & age 55, fully Board-paid with dates of retirement before 7/1/13 Maximum Board-paid \$20,000 at 25% reduction | 15 years & age 55, self-paid to age 65 & Board-paid after 65 if hired prior to 1/1/87. Maximum of \$20,000 Board-paid at 25% reduction. If hired after 1/1/87, self-paid until death; if eligible, at age 67 or over, Board-paid for retirements on 7/1/16 or later. |
| | Waxiiiuiii Boai u-paiu 320,000 at 25% reduction | Effective with dates of retirement on or after 7/1/13, 20 years & age 60, self-paid to age 65 & Board-paid after 65. Maximum of \$20,000 Board-paid at 25% reduction; retiree self pays for coverage above \$20,000 to the \$25,000 maximum coverage amount. |
| Local 150 – Building Service Helpers Local 150 – Food Service Workers | N/A | 15 years & age 55, self-paid to age 65; after age 65 Board-paid life insurance up to a maximum of \$10,000 if hired prior to 7/1/86. If hired after 7/1/86, not eligible for group coverage. |
| | | Effective with dates of retirement on or after 7/1/13, 20 years & age 60, self-paid to age 65; after age 65 Board-paid life insurance up to a maximum of \$10,000 if hired prior to 7/1/86; retiree self pays for coverage above \$10,000 to the \$25,000 maximum coverage amount. If hired after 7/1/86, not eligible for group coverage. |



Life Insurance (Continued)

| Eligible Groups | Eligibility for Board-Paid Benefit | Eligibility for Self-Paid Benefit |
|-------------------------------|--|--|
| Local 1616 Employees | 30 years & age 55, fully Board-paid with dates of retirement before 7/1/13 Maximum Board-paid \$20,000 at 25% reduction | 15 years & age 55, self-paid to age 65 & Board-paid after 65 if hired prior to 1/1/87. Maximum of \$20,000 Board-paid at 25% reduction. If hired after 1/1/87, self-paid until death; if eligible, at age 67 or over, Board-paid for retirements on 7/1/16 or later. |
| | iviaximum Boaru-paiu \$20,000 at 23% reduction | Effective with dates of retirement on or after 7/1/13, 20 years & age 60, self-paid to age 65 & Board-paid after 65. Maximum of \$20,000 Board-paid at 25% reduction; retiree self pays for coverage above \$20,000 to the \$25,000 maximum coverage amount. |
| MTEA – Teachers | 30 years & age 55, Board-paid to \$50,000 for | 15 years & age 55, self-paid to age 65. Fully Board-paid after 65. |
| MTEA – Substitute Teachers | dates of retirement before 7/1/13. Must self-pay any amount over \$50,000. Fully Board-paid after 65. | Effective with dates of retirement on or after 7/1/13, 20 years & age 60, self-paid to age 65. Fully Board-paid after 65. Maximum benefit coverage amount of \$25,000 at final 25% reduction. |
| | (Substitute Teachers: Benefit eliminated effective with dates of retirement on/ after 7/1/12.) | (Substitute Teachers: Benefit eliminated effective with dates of retirement on or after 7/1/12.) |
| MTEA – Accountants and | 30 years & age 55, Board-paid to \$50,000 for | 15 years & age 60, self-paid to age 65. Fully Board-paid after 65. |
| Bookkeepers | dates of retirement before 7/1/13. Must self-pay any amount over \$50,000. Fully Board-paid after 65. | Effective with dates of retirement on or after 7/1/13, 20 years & age 60, self-paid to age 65. Fully Board-paid after 65. Maximum benefit coverage amount of \$25,000 at final 25% reduction. |
| MTEA – Educational Assistants | 30 years & age 55, Board-paid to \$19,000 for | 15 years & age 55, self-paid to age 65. Fully Board-paid after 65. |
| | dates of retirement before 7/1/13. Must self-pay any amount over \$19,000. Fully Board-paid after 65. | Effective with dates of retirement on or after 7/1/13, 20 years & age 60, self-paid to age 65. Fully Board-paid after 65. Maximum benefit coverage amount of \$25,000 at final 25% reduction. |
| PAMPS – School Psychologists | 30 years & age 55, fully Board-paid with dates of retirement before 7/1/13. | 15 years & age 55, self-paid to age 65. Fully Board-paid after 65. Maximum of \$25,000 Board-paid at 25% reduction. |
| | Maximum Board-paid \$25,000 at 25% reduction | Effective with dates of retirement on or after 7/1/13, 20 years & age 60, self-paid to age 65. Fully Board-paid after 65. Maximum of \$25,000 Board-paid at 25% reduction. |

Years of service in accordance with applicable collective bargaining agreement and plan provisions for represented employees, or, when such bargaining agreement provisions expire, in accordance with Board policy and plan provisions; for non-represented employees in accordance with Board policy and plan provisions.





ACTUARIAL METHODS AND ASSUMPTIONS

Actuarial Methods and Assumptions

Development of Per Capita Claim Costs

The development of per capita claim costs is based on paid claims, expenses and enrollment experience for the period from July 1, 2017, to June 30, 2019, adjusted for claims in excess of the stop loss limits. Costs were trended to the mid-point of the first valuation year. Average costs for the pre-Medicare United Healthcare EPO/PPO plans were based on claims and enrollment experience for active and retired members. Average costs for the United Healthcare MPS Group Medicare Advantage Plan were based on premium rates. Standard morbidity tables were used to develop expected claims costs at each respective postretirement age. We relied on claims, expenses, enrollment data and rating methodology disclosed in the plan's most recent rating reports prepared by MPS' healthcare actuary.

Cost Method and Expense Calculations for Retiree Healthcare Benefits

The retiree healthcare actuarial valuation was based on the entry age normal cost method. Under this method, each participant's projected benefits are assumed to be funded by annual installments, equal to a level percentage of compensation, payable from date of participation to assumed date of retirement. The total normal cost is the sum of the current year's annual installment determined for all active participants. The actuarial accrued liability is the excess value of the present value of future benefits for all participants (both active and retired) over the present value of future normal costs.

Actuarial Assumptions

The actuarial assumptions used in our actuarial valuation are outlined on the following pages.



| Actuarial Valuation Date | July 1, 2019 |
|-----------------------------------|--------------|
| Discount Rate as of June 30, 2019 | 4.93% |
| Discount Rate as of June 30, 2020 | 5.33% |
| Inflation ¹ | 2.50% |
| Wage Inflation ² | 2.50% |
| | |

OPEB Assumptions

| Fiscal Year | Healthcare Trend 3,4 | Medicare Part B Trend ⁵ |
|-------------|----------------------|------------------------------------|
| 2020 | 3.923% | 6.716% |
| 2021 | 8.000% | 4.250% |
| 2022 | 7.750% | 4.250% |
| 2023 | 7.500% | 4.250% |
| 2024 | 7.250% | 4.250% |
| 2025 | 7.000% | 4.250% |
| 2026 | 6.750% | 4.250% |
| 2027 | 6.500% | 4.250% |
| 2028 | 6.250% | 4.250% |
| 2029 | 6.000% | 4.250% |
| 2030 | 5.750% | 4.250% |
| 2031 | 5.500% | 4.250% |
| 2032 | 5.250% | 4.250% |
| 2033 | 5.000% | 4.250% |
| 2034 | 4.750% | 4.250% |
| 2035 | 4.500% | 4.250% |
| 2036 + | 4.250% | 4.250% |

Composite Annual Per Capita Claim Costs for Calendar Year 2020

| <u>Age</u> | <u>Male</u> | <u>Female</u> |
|------------|-------------|---------------|
| 55 | \$11,100 | \$12,119 |
| 60 | 14,336 | 14,116 |
| 64 | 17,433 | 16,452 |
| 65 | 2,454 | 2,315 |
| 70 | 2,674 | 2,587 |
| 75 | 2,872 | 2,802 |
| 80 | 3,015 | 2,962 |
| 85 | 3.036 | 3.072 |

¹ Inflation assumption was used as a building block to estimate healthcare trend, investment returns, and wage inflation



² Wage inflation was used to project payroll.

³ Medicare trend rates were adjusted to assume initial MAPD plan design savings rate would gradually be reduced by 15% to 20% after 2035. From 2021 to 2035, base Medicare trend rates were increased by approximately 1.98% per year.

⁴First year base trend rates apply to the 6-month period ending June 30, 2020, and equal 3.923% for non-Medicare costs and 0.0% for Medicare costs.

⁵Reflects actual Medicare Part B monthly premium rates of \$135.50 for 2019 and \$144.60 for 2020.

The premiums used in the actuarial valuation of future retirees are blended based on approximately 30% of the PPO costs and 70% of the EPO costs. Current retirees are assumed to remain in their current plan (PPO or EPO). Relative value factors were applied to the composite per capita claim costs.

A 10% load is applied to the pre-Medicare dependent per capita claim cost to account for covered children who are not directly valued. For retirees who cover only dependent children and not a spouse, a 10% load is applied to the pre-Medicare retiree per capita claim cost.

Eligibility for Board-paid subsidy

The table below shows the percentage of retirees assumed to retire with the required percentage of the maximum sick leave allowance and therefore are eligible to receive a Board-paid subsidy.

| Retirement Date | % Eligible | % of Maximum Sick Leave Allowance |
|---------------------------------|------------|-----------------------------------|
| After June 30, 2013, and before | 60% | 90% |
| July 1, 2020 | 00% | 3076 |
| On and after June 30, 2020 | 76% | 70% |

Participation

Future retirees who meet eligibility conditions for retiree healthcare benefits

| Eligible for Board-paid subsidy | 85% |
|--------------------------------------|-----|
| Eligible for self-paid benefits only | 30% |

30% of future retirees are expected to elect PPO coverage. 0% of future Building Trades and ASC retirees are assumed to elect PPO coverage. This retiree health option was eliminated for these groups.

Spouse Coverage

Future retirees that elect coverage at retirement are assumed to enroll as follows:

| | <u>Single</u> | <u>Family</u> |
|----------|---------------|---------------|
| Election | 40% | 60% |

40% of spouses are expected to continue coverage after the death of the retiree.

Females are assumed to be three years younger than their spouses.



Pension-related Assumptions

Pension-related assumptions for participants covered under the Milwaukee Board of School Directors Supplemental Early Retirement Plan for Teachers ("Teachers Plan") as stated in the actuarial valuation report as of July 1, 2019, are assumed for the GASB Statement Nos. 74 and 75 actuarial valuation.

Pension-related assumptions for participants covered under the Milwaukee Board of School Directors Early Retirement Supplement and Benefit Improvement Plan ("Administrators Plan") and participants in covered positions who became members on or after July 1, 2003, who would otherwise have been participants in the plan, as stated in the actuarial valuation report as of July 1, 2019, are assumed for the GASB Statement Nos. 74 and 75 actuarial valuation.

Other participants are covered under the City of Milwaukee Employees' Retirement System ("ERS") and those assumptions, as stated in the actuarial valuation report as of January 1, 2019, and provided by the actuary with certain adjustments are assumed.

Rates are applied consistently with the pension actuarial valuations (with modifications as described), using the census data, as provided by MPS. Retirement rates are applied at first eligibility for pension benefits, although retiree healthcare benefits may not be payable.



Salary Increase¹

| Years of Service | <u>Teachers</u> | <u>Administrators</u> | <u>Age</u> | General Employees |
|---------------------|-----------------|-----------------------|------------|----------------------|
| 1 | 6.70% | 4.80% | 20 | 5.50% |
| 5 | 6.70% | 4.80% | 25 | 4.93% |
| 10 | 4.70% | 4.80% | 30 | 3.79% |
| 15 | 4.20% | 4.30% | 35 | 3.78% |
| 20 | 2.50% | 3.30% | 40 | 2.89% |
| 25 | 2.50% | 2.70% | 45 | 2.50% |
| 29 | 2.50% | 2.50% | 50 | 2.50% |
| | | | 55 | 2.50% |
| | | | 60 + | 2.50% |

Demographic Assumptions Mortality¹

Teachers

Retired Member Mortality: Scaling factors of 98% for males, and 96% for females of the RP-2014 White Collar Healthy Annuitant mortality table, sex distinct, with generational mortality improvement using MP-2018 2-dimensional mortality improvement scales recently released by the SOA. This assumption provides a margin for mortality improvements.

Active Member Mortality: Scaling factors of 97% for males, and 99% for females of the RP-2014 White Collar Employee mortality table, sex distinct, with generational mortality improvement using MP-2018 2-dimensional mortality improvement scales recently released by the SOA. This assumption provides a margin for mortality improvements.

Future mortality improvements in pre- and post-retirement mortality are reflected by projecting the base mortality tables back from the year 2014 to the year 2006 using the MP-2014 projection scale and projecting from 2006 using the MP-2018 projection scale.

Administrators

Retired Member Mortality: Scaling factors of 99% for males, and 96% for females of the RP-2014 White Collar Healthy Annuitant mortality table, sex distinct, with generational mortality improvement using MP-2018 2-dimensional mortality improvement scales recently released by the SOA. This assumption provides a margin for mortality improvements.

Active Member Mortality: No scaling of the RP-2014 White Collar Employee mortality table, sex distinct, with generational mortality improvement using MP-2018 2-dimensional mortality improvement scales recently released by the SOA. This assumption provides a margin for mortality improvements.



Future mortality improvements in pre- and post-retirement mortality are reflected by projecting the base mortality tables back from the year 2014 to the year 2006 using the MP-2014 projection scale and projecting from 2006 using the MP-2018 projection scale.

General Employees

For regular retirees and for survivors, the RP-2014 Healthy Annuitant Mortality Table (using 111% of rates for males and 110% of rates for females) (base year 2006) projected generationally with Scale MP-2016. For duty and ordinary disability retirees, the RP-2014 Disability Mortality Table (using 102% of rates for males and 98% of rates for females) (base year 2006) projected generationally with Scale MP-2016 was used. For death in active service, the RP-2014 Non-annuitant Mortality Table (base year 2006) projected generationally with Scale MP-2016.

This assumption is used to measure the probabilities of members dying before retirement and the probabilities of each benefit payment being made after retirement. Based on the most recent experience study, these tables provide a margin for near-term mortality improvements.

¹ Pension valuation assumptions effective in the July 1, 2019, actuarial valuations for Teachers and Administrators and as stated in the January 1, 2019, ERS actuarial valuation and provided by the actuary (with certain adjustments) for general employees.

| Sample Disability Rates ¹ | | | | | | |
|--------------------------------------|--|--------|--|--|--|--|
| | % Separating Within Next Year | | | | | |
| Age | Teachers and General Employee Administrators | | | | | |
| 20 | 0.010% | 0.050% | | | | |
| 25 | 0.010% | 0.050% | | | | |
| 30 | 0.010% | 0.060% | | | | |
| 35 | 0.010% | 0.077% | | | | |
| 40 | 0.020% | 0.131% | | | | |
| 45 | 0.070% | 0.162% | | | | |
| 50 | 0.130% | 0.256% | | | | |
| 55 | 0.210% | 0.527% | | | | |
| 60 | 0.320% | 0.077% | | | | |
| 65 | 0.370% | 0.200% | | | | |

20% of disabilities are considered to be duty-related for General Employees.

Pension valuation assumptions effective in the July 1, 2019, actuarial valuations for Teachers and Administrators and as stated in the January 1, 2019, ERS actuarial valuation and provided by the actuary (with certain adjustments) for general employees.



Sample Turnover Rates¹

| % Separating Within Next Year | | | | | | | |
|-------------------------------|---|--------|----------------|-----------------|---------------|----------------|--|
| • | Teachers Administrators General Employees | | | | | | |
| | | | Less Than 5 Yo | ears of Service | At Least 5 Ye | ars of Service | |
| Age | | | Male | Female | Male | Female | |
| 20 | 18.000% | 9.200% | 17.620% | 24.050% | 13.000% | 14.300% | |
| 25 | 17.000% | 9.200% | 15.930% | 24.120% | 12.680% | 14.300% | |
| 30 | 12.100% | 9.200% | 11.310% | 16.770% | 6.920% | 8.450% | |
| 35 | 9.000% | 7.200% | 10.660% | 15.600% | 7.190% | 7.270% | |
| 40 | 4.600% | 5.700% | 8.780% | 10.400% | 4.510% | 8.450% | |
| 45 | 2.800% | 4.200% | 9.100% | 9.230% | 2.990% | 4.670% | |
| 50 | 2.200% | 2.700% | 8.320% | 8.580% | 2.380% | 3.380% | |
| 55 | 2.000% | 1.200% | 6.830% | 7.800% | 1.990% | 3.640% | |

¹ Pension valuation assumptions effective in the July 1, 2019, actuarial valuations for Teachers and Administrators and as stated in the January 1, 2019, ERS actuarial valuation and provided by the actuary (with certain adjustments) for general employees.



Sample Normal Retirement Rates 1,2,3

| | Teachers Separating Within Next Year (Age and Service-Based) | | | | | | | | | | | | | | | |
|----------------------|---|-------------------|------|-------------------|-------------------|------------|------|------------|------------|-------|------|--------------|--------------|-------|-------|-----------------|
| Vesting | | | | | | | | | | | | | | | | |
| Service 0 - 9 | 0.0% | <u>56</u> 0.0% | 0.0% | <u>58</u> 0.0% | <u>59</u> 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 66 | 0.0% | 0.0% | 0.0% | 70+ 0.0% |
| 10 | 2.0 | 3.0 | 2.0 | 1.0 | 1.0 | 3.0 | 5.0 | 7.0 | 7.0 | 10.0% | 20.0 | 0.0% 25.0 | 35.0 | 40.0 | 50.0% | 60.0 |
| 10 | 2.0 | 4.0 | 2.0 | 1.6 | 1.6 | 3.9 | 6.1 | 7.0 8.6 | 7.0 8.4 | 11.6 | 20.0 | 27.0 | 35.0 37.0 | 42.0 | 52.0 | 62.0 |
| 12 | 3.7 | 4.0 | 3.7 | 2.2 | 2.2 | 3.9 4.7 | 7.2 | 10.2 | 9.7 | 13.2 | 24.2 | 29.0 | 39.0 | 44.0 | 54.0 | 64.0 |
| 13 | 4.6 | 5.9 | 4.6 | 2.8 | 2.8 | 5.6 | 8.3 | 11.8 | 11.1 | 14.8 | 26.3 | 31.0 | 41.0 | 46.0 | 56.0 | 66.0 |
| 14 | 5.4 | 6.8 | 5.4 | 3.4 | 3.4 | 6.4 | 9.4 | 13.4 | 12.4 | 16.4 | 28.4 | 33.0 | 43.0 | 48.0 | 58.0 | 68.0 |
| 15 | 9.8 | 11.3 | 10.3 | 9.0 | 6.0 | 7.3 | 10.5 | 15.4 | 13.8 | 18.0 | 30.5 | 35.0 | 45.0 | 50.0 | 60.0 | 70.0 |
| 16 | 10.6 | 12.2 | 11.1 | 9.6 | 6.6 | 8.1 | 11.6 | 16.6 | 15.1 | 19.6 | 32.6 | 37.0 | 47.0 | 52.0 | 62.0 | 70.0 |
| 17 | 11.5 | 13.2 | 12.0 | 10.2 | 7.2 | 9.0 | 12.7 | 18.2 | 16.5 | 21.2 | 34.7 | 39.0 | 49.0 | 54.0 | 64.0 | 74.0 |
| 18 | 12.3 | 14.1 | 12.8 | 10.2 | 7.2 | 9.8 | 13.8 | 19.8 | 17.8 | 22.8 | 36.8 | 41.0 | 51.0 | 56.0 | 66.0 | 74.0 76.0 |
| 19 | 13.2 | 15.1 | 13.7 | 11.4 | 8.4 | 10.7 | 14.9 | 21.4 | 19.2 | 24.4 | 38.9 | 43.0 | 53.0 | 58.0 | 68.0 | 78.0 |
| 20 | 14.0 | 16.0 | 14.5 | 12.0 | 9.0 | 11.5 | 16.0 | 23.0 | 20.5 | 26.0 | 41.0 | 45.0 | 55.0 | 60.0 | 70.0 | 80.0 |
| 21 | 14.9 | 17.0 | 15.4 | 12.6 | 9.6 | 12.4 | 17.1 | 24.6 | 21.9 | 27.6 | 43.1 | 47.0 | 57.0 | 62.0 | 70.0 | 82.0 |
| 22 | 15.7 | 17.9 | 16.2 | 13.2 | 10.2 | 13.2 | 18.2 | 26.2 | 23.2 | 29.2 | 45.2 | 49.0 | 59.0 | 64.0 | 74.0 | 84.0 |
| 23 | 16.6 | 18.9 | 17.1 | 13.8 | 10.2 | 14.1 | 19.3 | 27.8 | 24.6 | 30.8 | 47.3 | 51.0 | 61.0 | 66.0 | 76.0 | 86.0 |
| 24 | 17.4 | 19.8 | 17.9 | 14.4 | 11.4 | 14.9 | 20.4 | 29.4 | 25.9 | 32.4 | 49.4 | 53.0 | 63.0 | 68.0 | 78.0 | 88.0 |
| 25 | 18.3 | 20.8 | 18.8 | 15.0 | 12.0 | 15.8 | 21.5 | 31.0 | 27.3 | 34.0 | 51.5 | 55.0 | 65.0 | 70.0 | 80.0 | 90.0 |
| 26 | 19.1 | 21.7 | 19.6 | 15.6 | 12.6 | 16.6 | 22.6 | 32.6 | 28.6 | 35.6 | 53.6 | 57.0 | 67.0 | 72.0 | 82.0 | 92.0 |
| 27 | 20.0 | 22.7 | 20.5 | 16.2 | 13.2 | 17.5 | 23.7 | 34.2 | 30.0 | 37.2 | 55.7 | 59.0 | 69.0 | 74.0 | 84.0 | 94.0 |
| 28 | 20.8 | 23.6 | 21.3 | 16.8 | 13.8 | 18.3 | 24.8 | 35.8 | 31.3 | 38.8 | 57.8 | 61.0 | 71.0 | 76.0 | 86.0 | 96.0 |
| 29 | 21.7 | 24.6 | 22.2 | 17.4 | 14.4 | 19.2 | 25.9 | 37.4 | 32.7 | 40.4 | 59.9 | 63.0 | 73.0 | 78.0 | 88.0 | 98.0 |
| 30 | 21.7 | 24.6 | 22.2 | 17.4 | 14.4 | 19.2 | 25.9 | 37.4 | 32.7 | 40.4 | 59.9 | 65.0 | 75.0 | 80.0 | 90.0 | 100.0 |
| 31 | 21.7 | 24.6 | 22.2 | 17.4 | 14.4 | 19.2 | 25.9 | 37.4 | 32.7 | 40.4 | 59.9 | 67.0 | 77.0 | 82.0 | 92.0 | 100.0 |
| 32 | 18.2 | 21.1 | 18.3 | 12.8 | 12.8 | 19.2 | 25.9 | 37.4 | 32.7 | 40.4 | 59.9 | 69.0 | 79.0 | 84.0 | 94.0 | 100.0 |
| 33 | 18.2 | 21.1 | 18.3 | 12.8 | 12.8 | 19.2 | 25.9 | 37.4 | 32.7 | 40.4 | 59.9 | 71.0 | 81.0 | 86.0 | 96.0 | 100.0 |
| 34 | 18.2 | 21.1 | 18.3 | 12.8 | 12.8 | 19.2 | 25.9 | 37.4 | 32.7 | 40.4 | 59.9 | 73.0 | 83.0 | 88.0 | 98.0 | 100.0 |
| 35 | 18.2 | 21.1 | 18.3 | 12.8 | 12.8 | 19.2 | 25.9 | 37.4 | 32.7 | 40.4 | 59.9 | 75.0 | 85.0 | 90.0 | 100.0 | 100.0 |
| 36 | 18.2 | 21.1 | 18.3 | 12.8 | 12.8 | 19.2 | 25.9 | 37.4 | 32.7 | 40.4 | 59.9 | 77.0 | 87.0 | 92.0 | 100.0 | 100.0 |
| 37 | 18.2 | 21.1 | 18.3 | 12.8 | 12.8 | 19.2 | 25.9 | 37.4 | 32.7 | 40.4 | 59.9 | 79.0 | 89.0 | 94.0 | 100.0 | 100.0 |
| 38 | 18.2 | 21.1 | 18.3 | 12.8 | 12.8 | 19.2 | 25.9 | 37.4 | 32.7 | 40.4 | 59.9 | 81.0 | 91.0 | 96.0 | 100.0 | 100.0 |
| 39 | 18.2 | 21.1 | 18.3 | 12.8 | 12.8 | 19.2 | 25.9 | 37.4 | 32.7 | 40.4 | 59.9 | 83.0 | 93.0 | 98.0 | 100.0 | 100.0 |
| 40 | 18.2 | 21.1 | 18.3 | 12.8 | 12.8 | 19.2 | 25.9 | 37.4 | 32.7 | 40.4 | 59.9 | 85.0 | 95.0 | 100.0 | 100.0 | 100.0 |
| 41 | 18.2 | 21.1 | 18.3 | 12.8 | 12.8 | 19.2 | 25.9 | 37.4 | 32.7 | 40.4 | 59.9 | 87.0 | 97.0 | 100.0 | 100.0 | 100.0 |
| 42 | 18.2 | 21.1 | 18.3 | 12.8 | 12.8 | 19.2 | 25.9 | 37.4 | 32.7 | 40.4 | 59.9 | 89.0 | 99.0 | 100.0 | 100.0 | 100.0 |
| 43 | 18.2 | 21.1 | 18.3 | 12.8 | 12.8 | 19.2 | 25.9 | 37.4 | 32.7 | 40.4 | 59.9 | 91.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 44 | 18.2 | 21.1 | 18.3 | 12.8 | 12.8 | 19.2 | 25.9 | 37.4 | 32.7 | 40.4 | 59.9 | 93.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 45+ | 18.2 | 21.1 | 18.3 | 12.8 | 12.8 | 19.2 | 25.9 | 37.4 | 32.7 | 40.4 | 59.9 | 95.0 | 100.0 | 100.0 | 100.0 | 100.0 |

¹ Pension valuation assumptions effective in the July 1, 2019, actuarial valuations for Teachers and Administrators and as stated in the January 1, 2019, ERS actuarial valuation and provided by the actuary (with certain adjustments) for general employees.



² Normal retirement eligibility for general employees is satisfied upon attainment of age 55 with 30 years of service or age 60 with four years of service. Early retirement eligibility for general employees is satisfied upon attainment of age 55 with 15 years of service.

Sample Normal Retirement Rates

Administrators

% Separating Within Next Year (Age-Based)

| Rate of Re | tirement before J | une 30, 2020 | Rate of Retirement after June 30, 2020 | | | |
|------------|-------------------|--------------|--|--------------|------------|--|
| | | | | | | |
| Age | Certificated | Classified | Age | Certificated | Classified | |
| 55 | 20.0% | 15.0% | 55 | 12.0% | 10.0% | |
| 56 | 20.0% | 15.0% | 56 | 12.0% | 10.0% | |
| 57 | 20.0% | 25.0% | 57 | 12.0% | 20.0% | |
| 58 | 20.0% | 17.0% | 58 | 12.0% | 12.0% | |
| 59 | 20.0% | 17.0% | 59 | 12.0% | 12.0% | |
| 60 | 25.0% | 25.0% | 60 | 25.0% | 25.0% | |
| 61 | 20.0% | 20.0% | 61 | 20.0% | 20.0% | |
| 62 | 20.0% | 20.0% | 62 | 20.0% | 20.0% | |
| 63 | 20.0% | 20.0% | 63 | 20.0% | 20.0% | |
| 64 | 20.0% | 20.0% | 64 | 20.0% | 20.0% | |
| 65 | 50.0% | 50.0% | 65 | 50.0% | 50.0% | |
| 66 | 50.0% | 50.0% | 66 | 50.0% | 50.0% | |
| 67 | 50.0% | 50.0% | 67 | 50.0% | 50.0% | |
| 68 | 50.0% | 50.0% | 68 | 50.0% | 50.0% | |
| 69 | 50.0% | 50.0% | 69 | 50.0% | 50.0% | |
| 70 + | 100.0% | 100.0% | 70 + | 100.0% | 100.0% | |
| | | | | | | |

Retirement rates for members between the ages 55 and 60 with 20 or more years of service were increased by 4 percentage points for Certificated members and 2.5 percentage points for Classified members to account for updated eligibility conditions for OPEB benefits.



Sample Normal Retirement Rates 1,2,3,4

Early Retirement Rates 1,2

% Separating Within Next Year (Age-Based)

| Λαο | General E | mployees | General Employees |
|-----|-----------|----------|-------------------|
| Age | Male | Female | Male/Female |
| 54 | 35.000% | 26.000% | |
| 55 | 45.000% | 26.000% | 4.000% |
| 56 | 30.000% | 17.000% | 4.000% |
| 57 | 27.000% | 15.000% | 4.000% |
| 58 | 27.000% | 20.000% | 4.000% |
| 59 | 22.000% | 20.000% | 4.000% |
| 60 | 19.000% | 19.000% | 4.000% |
| 61 | 19.000% | 20.000% | 4.000% |
| 62 | 28.000% | 25.000% | 4.000% |
| 63 | 20.000% | 18.000% | 4.000% |
| 64 | 20.000% | 18.000% | 4.000% |
| 65 | 30.000% | 25.000% | |
| 66 | 30.000% | 30.000% | |
| 67 | 18.000% | 20.000% | |
| 68 | 18.000% | 20.000% | |
| 69 | 18.000% | 20.000% | |
| 70 | 100.000% | 100.000% | |

¹ Pension valuation assumptions effective in the July 1, 2019, actuarial valuations for Teachers and Administrators and as stated in the January 1, 2019, ERS actuarial valuation and provided by the actuary (with certain adjustments) for general employees.



² Normal retirement eligibility for general employees is satisfied upon attainment of age 55 with 30 years of service or age 60 with four years of service. Early retirement eligibility for general employees is satisfied upon attainment of age 55 with 15 years of service.

³ 50% of certificated members and 100% of classified members are assumed to retire once a participant completes 35 years of service.

⁴ Retirement rates for members between the ages 55 and 60 with 20 or more years of service were increased by 1 percentage point to account for updated eligibility conditions for OPEB benefits.

SECTION I

PARTICIPANT DATA

Participant Data

Counts by Labor Unit

| | Counts by Lab | Retirees and | | | |
|-------------------------------|---------------|--------------|-----------|--|--|
| | Surviving | | | | |
| | Actives | Spouses | Total | | |
| | | | | | |
| Board/Cabinet/ASC | 543 | 847 | 1,390 | | |
| Building Trades | 69 | 170 | 239 | | |
| 1053 Clerical/Technical | 164 | 319 | 483 | | |
| 150 Building Service | 147 | 78 | 225 | | |
| 150 Food Service | 406 | 298 | 704 | | |
| 1616 Education Employees | 35 | 97 | 132 | | |
| 420 Engineers | 131 | 175 | 306 | | |
| Educational Assistants | 661 | 393 | 1,054 | | |
| Sub Teachers | 0 | 93 | 93 | | |
| Teachers | 2,765 | 4,215 | 6,980 | | |
| PAMPS | 77 | 65 | 142 | | |
| Accountants | <u>10</u> | <u>18</u> | <u>28</u> | | |
| | 5,008 | 6,768 | 11,776 | | |
| | | | | | |



Participant Data (Continued)

Retiree and Surviving Spouse Healthcare Coverage Type by Labor Unit

| | 1 Person | 2 Person | Total | |
|--------------------------|----------|----------|-----------|--|
| | | | | |
| Board/Cabinet/ASC | 507 | 340 | 847 | |
| Building Trades | 86 | 84 | 170 | |
| 1053 Clerical/Technical | 210 | 109 | 319 | |
| 150 Building Service | 62 | 16 | 78 | |
| 150 Food Service | 199 | 99 | 298 | |
| 1616 Education Employees | 59 | 38 | 97 | |
| 420 Engineers | 94 | 81 | 175 | |
| Educational Assistants | 242 | 151 | 393 | |
| Sub Teachers | 47 | 46 | 93 | |
| Teachers | 2,475 | 1,740 | 4,215 | |
| PAMPS | 39 | 26 | 65 | |
| Accountants | <u>9</u> | <u>9</u> | <u>18</u> | |
| | 4,029 | 2,739 | 6,768 | |
| | | | | |



Participant Data (Continued)

Milwaukee Public Schools
Retiree Healthcare and Life Insurance Programs
Actuarial Valuation as of July 1, 2019
Age Service Distribution for Total Active Population

| Attained | | Years of Service at Valuation Date | | | | | | | | |
|-----------------|-----|------------------------------------|-----|-------|-------|-------|-------|-------|---------|-------|
| Age | 0-1 | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | Over 35 | Total |
| Under 20 | | | | | | | | | | 0 |
| 20-24 | | | | | | | | | | - |
| 25-29 | | | 3 | | | | | | | 3 |
| 30-34 | | 1 | 111 | 32 | | | | | | 144 |
| 35-39 | | 2 | 94 | 287 | 57 | 9 | | | | 449 |
| 40-44 | | 1 | 61 | 186 | 306 | 104 | 6 | | | 664 |
| 45-49 | | | 53 | 138 | 219 | 416 | 113 | 3 | 1 | 943 |
| 50-54 | | 1 | 62 | 108 | 183 | 313 | 391 | 96 | 4 | 1,158 |
| 55-59 | | | 43 | 88 | 122 | 225 | 242 | 187 | 19 | 926 |
| 60-64 | | | 33 | 52 | 84 | 146 | 114 | 70 | 30 | 529 |
| 65-69 | | | 12 | 24 | 36 | 33 | 21 | 16 | 10 | 152 |
| Over 70 | | | 1 | 5 | 7 | 11 | 7 | 3 | 6 | 40 |
| Total | - | 5 | 473 | 920 | 1,014 | 1,257 | 894 | 375 | 70 | 5,008 |

While not used in the financial computations, the following group averages are computed and shown because of their general interest.

| Age: | 49.9 years |
|--------------|---------------|
| Service: | 20.1 years |
| Total Pay: | \$294,379,947 |
| Average Pay: | \$58,782 |

