

State of South Carolina
Public Employee Benefit Authority
Retiree Health Care Plan

GASB Statement No. 75, Accounting and Financial
Reporting for Postemployment Benefits Other Than
Pensions as of June 30, 2022





July 24, 2023

State of South Carolina
Public Employee Benefit Authority
South Carolina Retirement System
P.O. Box 11960
Columbia, SC 29211-1960

Dear Members of the Board:

This report provides information on behalf of the State of South Carolina Public Employee Benefit Authority (PEBA) in connection with the Governmental Accounting Standards Board (GASB) Statement No. 75 "Accounting and Financial Reporting for Postemployment Benefits Other Than Pensions."

The calculation of the liability associated with the benefits described in this report was performed for the purpose of satisfying the requirements of GASB Statement No. 75. The calculation of the plan's liability for this report is not applicable for funding purposes of the plan. A calculation of the plan's liability for purposes other than satisfying the requirements of GASB Statement No. 75 may produce significantly different results. This report may be provided to parties other than PEBA only in its entirety and only with the permission of PEBA. GRS is not responsible for unauthorized use of this report.

This report complements the actuarial valuation report as of June 30, 2021, provided for GASB Statement No. 74 purposes, which was also provided to the Board and should be considered together as a complete report for the measurement period that ended June 30, 2022. The total OPEB liability was rolled-forward from the valuation date to the plan's fiscal year end, June 30, 2022, using generally accepted actuarial principles. Please see the actuarial valuation report as of June 30, 2021 for additional discussion of the actuarial valuation, including the nature of actuarial calculations and more information related to participant data, economic and demographic assumptions, and benefit provisions.

This report is based upon information furnished by PEBA, which includes benefit provisions, membership information, and financial data. We did not audit this data and information, but we did apply a number of tests and concluded that it was reasonable and consistent. GRS is not responsible for the accuracy or completeness of the information provided by PEBA.

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 and has no material limitations or known weaknesses. We performed tests to ensure that the model reasonably represents that which is intended to be modeled.

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; and changes in plan provisions or applicable law.

This report provides the collective OPEB amounts under GASB Statement No. 75 which will be allocated to participating employers. The proportionate shares of the collective OPEB amounts for the participating employers are provided in the appendices to this report.

To the best of our knowledge, this report is complete and accurate and is in accordance with generally recognized actuarial practices and methods. Mr. Newton and Mr. Fritz are members of the American Academy of Actuaries and meet the Qualification Standards of the American Academy of Actuaries to render the actuarial opinion herein. Mr. Newton is experienced in performing valuations for large public retirement systems.

Respectfully submitted,

Gabriel, Roeder, Smith & Company



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SECTION 1

DISCUSSION

Discussion

Accounting Standards

GASB Statement No. 75 replaces the requirements of Statements No. 45, Accounting and Financial Reporting by Employers for Postemployments Benefits Other Than OPEBs, as amended, and No. 57, OPEB Measurements by Agent Employers and Agent Multiple-Employer Plans, for OPEB.

Reporting under GASB 75 is effective for fiscal years commencing after June 15, 2017.

The following discussion provides a summary of the information that is required to be disclosed under this new accounting standard. A number of these disclosure items are provided in this report. However, certain information, such as notes regarding accounting policies and investments, is not included in this report. As a result, the employers are responsible for preparing and disclosing the non-actuarial information needed to comply with these accounting standards.

Financial Statements

GASB Statement No. 75 requires state and local government employers that participate in a cost-sharing multiple-employer plan to recognize a proportionate share of the collective net OPEB liability, collective OPEB expense, as well as deferred outflows of resources and deferred inflows of resources related to OPEB. The net OPEB liability is the difference between the total OPEB liability and the plan's fiduciary net position. In traditional actuarial terms, this is analogous to the accrued liability less the market value of assets.

GASB Statement No. 75 states the employer contributions made to the OPEB plan subsequent to the measurement date and before the end of the employer's reporting period should be reported as a deferred outflow of resources. The information contained in this report does not incorporate any payroll related employer contributions made subsequent to the measurement date of June 30, 2022.

Notes to Financial Statements

Paragraphs 89 through 98 of GASB Statement No. 75 discuss the note disclosures and RSI for cost-sharing employers. We recommend that employers review these paragraphs as well as illustration 2 in Appendix C of GASB Statement No. 75, which provides a sample footnote disclosure for a cost-sharing employer.

Contributions from Nonemployer Contributing Entities

According to part (b) of paragraph 69 of GASB Statement No. 75, participating employers should recognize revenue in an amount equal to "the employer's proportionate share of the change in the collective net OPEB liability arising from contributions to the OPEB plan during the measurement period from nonemployer contributing entities for purposes other than the separate financing of specific liabilities to the OPEB plan." Each employer's proportionate share of the contributions from nonemployer contributing entities is provided in Appendix A of this report. As noted in question 4.200 of Implementation Guide No. 2017-3, "The employer should classify this revenue in the same manner as it classifies grants from other entities."



Timing and Frequency of the Actuarial Valuation

An actuarial valuation to determine the total OPEB liability is required to be performed at least every two years. For the employer’s financial reporting purposes, the net OPEB liability and OPEB expense should be measured as of the employer’s “measurement date” which may not be earlier than the employer’s prior fiscal year end-date. If the actuarial valuation used to determine the total OPEB liability is not calculated as of the measurement date, the total OPEB liability is required to be rolled forward from the actuarial valuation date to the measurement date. The total OPEB liability shown in this report is based on an actuarial valuation performed as of June 30, 2021. Update procedures were used to roll forward the total OPEB liability to the measurement date of June 30, 2022. Please refer to the GASB Statement No. 74 valuation report for fiscal year ending June 30, 2021 for additional discussion of the participant data, actuarial assumptions, and benefit provisions.

Single Discount Rate

Projected benefit payments are required to be discounted to their actuarial present values using a Single Discount Rate that reflects (1) a long-term expected rate of return on OPEB plan investments (to the extent that the plan’s fiduciary net position is projected to be sufficient to pay benefits) and (2) tax-exempt municipal bond rate based on an index of 20-year general obligation bonds with an average AA credit rating as of the measurement date (to the extent that the contributions for use with the long-term expected rate of return are not met).

For the purpose of this valuation, the expected rate of return on OPEB plan investments is 2.75%; the municipal bond rate is 3.69% (based on the daily rate closest to but not later than the measurement date of the Fidelity “20-Year Municipal GO AA Index”); and the resulting Single Discount Rate is 3.69%. The accounting policy for this plan is to set the Single Discount Rate equal to the prevailing municipal bond rate. Due to the plan’s investment and funding policies, the difference between a blended discount rate and the municipal bond rate would be less than several basis points (several hundredths of one percent).

Methodology for Proportionate Shares

The proportionate share of the collective OPEB amounts for employers that participate in the cost-sharing multiple-employer retiree health care plan maintained by PEBA, are provided in Appendix A of this report. The allocation of the employers’ proportionate share of the collective net OPEB liability and collective OPEB expense was determined using the employers’ payroll related contributions over the measurement period. This method is expected to be reflective of the employers’ long-term contribution effort as well as be transparent to individual employers and their external auditors.

Summary of Population Statistics

The total OPEB liability described in this report is based on the plan membership as of July 1, 2021:

Inactive Plan Members or Beneficiaries Currently Receiving Benefits	98,144
Inactive Plan Members Entitled to But Not Yet Receiving Benefits	1,468
Active Plan Members	<u>185,350</u>
Total Plan Members	284,962



Recognition of Deferred Outflows and Inflows of Resources

According to paragraph 86 of GASB Statement No. 75, *differences between expected and actual experience and changes in assumptions* are recognized in OPEB expense using a systematic and rational method over a closed period equal to the average of the expected remaining service lives of all employees that are provided with OPEB through the OPEB plan (active employees and inactive members) determined as of the beginning of the measurement period.

At the beginning of the 2022 fiscal year, the expected remaining service lives of all employees was approximately 1,970,648. Additionally, the total plan membership (active employees and inactive employees) was 284,962. As a result, the average of the expected remaining service lives for purposes of recognizing the applicable deferred outflows and inflows established in the current measurement period is 6.9150.

Additionally, differences between projected and actual earnings on OPEB plan investments should be recognized in OPEB expense using a systematic and rational method over a closed five-year period. For this purpose, the deferred outflows and inflows of resources are recognized in the OPEB expense as a level dollar amount over the closed period identified above.

Deferred Outflows and Inflows Specific to Cost-Sharing Employers

As noted in paragraph 64 of GASB Statement No. 75, the net effect of changes in the employer's proportionate share on the collective net OPEB liability and collective deferred outflows and deferred inflows of resources should be recognized in the employer's OPEB expense over a closed period.

According to paragraph 65 of GASB Statement No. 75, differences between (a) the amount of contributions from an employer and (b) the amount of the employer's proportionate share of the total of such contributions should be recognized in the employer's OPEB expense over a closed period.

These deferred outflows and inflows specific to cost-sharing employers are to be recognized over a period equal to the average of the expected remaining service lives of all employees (similar to differences between expected and actual experience and changes in assumptions). Amounts not recognized in the employer's expense should be reported as a deferred outflow or deferred inflow of resources related to OPEB. Appendix B provides the component of the current year's OPEB expense related to changes in proportionate shares and differences between employer contributions and proportionate share of plan contributions and also the deferred amounts remaining at the end of the measurement period. Note, the amounts provided in columns (15) through (20) of Appendix B include amounts related to these deferred outflows and inflows specific to cost-sharing employers.

Implicit Subsidy

GASB Statements No. 75 and No. 68 are conceptually very similar in terms of the liability which is recognized on the balance sheet, the expense calculation, and the corresponding deferred outflows and inflows of resources. The main differences between the standards are related to the differences between pension and health care benefits. In particular, there is a concept referred to as the “implicit subsidy” that applies to health plans which utilize a blended premium, which has no counterpart in GASB Statement No. 68. The “implicit” or “hidden” subsidy refers to the difference between the underlying retiree claims costs and the overall health care premiums paid on behalf of retirees. By “overall”, we mean the combined employer and retiree portions of the premiums. GASB defines the employer provided OPEB benefit as the difference between the underlying claims costs (or age-adjusted premiums) and the premium contributions made by retirees. If the overall premiums for retirees were developed solely on the claims experience of the retirees, there would be no implicit subsidy and the employer portion of the overall retiree premiums would coincide with GASB’s definition of the OPEB benefit. However, the State of South Carolina’s health plan utilizes a “blended premium” structure for its most popular health plan. Said another way, the overall health care premiums for active employees, non-Medicare retirees and post-65 retirees are stated in terms of a single “blended premium”. As a result, the underlying costs of the retirees are not represented by the overall blended premium.

This is important because the retiree health insurance trust is used to pay the employers’ portion of the blended premiums, not the employers’ portion of the underlying claims costs. In order to account for the employer provided OPEB benefit, as it’s defined by GASB, the payments made by the retiree health insurance trust need to be adjusted to reflect the implicit subsidy (the difference between the retiree claims and the overall premiums). Similarly, the employer contributions need to be adjusted to reflect the cost of the implicit subsidy. It’s important to keep in mind that the implicit subsidy is an employer contribution. Because the implicit subsidy is not paid by the trust, it is considered a benefit payment that was paid “as it came due”.

Because the underlying claims costs for non-Medicare retirees are on average higher than the blended premiums, there is a positive implicit subsidy associated with the premiums paid on behalf of the non-Medicare retirees. Because the health plan is secondary to Medicare, the underlying costs for the Medicare retirees are less than the blended premiums which creates a negative implicit subsidy associated with the premiums paid on behalf of the Medicare retirees. Currently, there are roughly three times as many Medicare retirees on the plan as non-Medicare retirees, which results in an overall negative implicit subsidy for the employers.

To summarize, the distributions from the retiree health insurance trust pay the employers’ portion of the blended premiums, not the employers’ portion of the underlying retiree claims costs. As a result, the benefit payments and contribution amounts disclosed for GASB Statement No. 74 and 75 purposes need to include an adjustment related to the implicit subsidy. Participating employers should adjust their payroll related surcharge contributions by the implicit subsidy in order to determine the total employer contribution for GASB Statement No. 75 purposes. This adjustment is needed for contributions made during the measurement period and also for the purpose of the deferred outflow related to contributions made after the measurement date. Appendix B provides each employer’s estimated implicit subsidy for the measurement period and each employer’s implicit subsidy for the year following the measurement date.



SECTION 2

ACCOUNTING EXHIBITS

Exhibit 1

Schedule of the Employers' Collective Net OPEB Liability

Fiscal Year Ending	Total OPEB Liability	Plan Fiduciary Net Position	Employers Net OPEB Liability (Asset)	Plan Fiduciary Net Position as a Percentage of the Total OPEB Liability	Covered Payroll	Net OPEB Liability as a Percentage of Covered Payroll
(1)	(2)	(3)	(4)	(5)	(6)	(7)
June 30, 2017	\$ 14,659,610,970	\$ 1,114,774,760	\$ 13,544,836,210	7.60%	\$ 8,437,059,071	160.54%
June 30, 2018	15,387,115,010	1,216,530,062	14,170,584,948	7.91%	8,614,421,372	164.50%
June 30, 2019	16,516,264,617	1,394,740,049	15,121,524,568	8.44%	8,748,981,785	172.84%
June 30, 2020	19,703,745,672	1,652,299,185	18,051,446,487	8.39%	9,261,422,144	194.91%
June 30, 2021	22,506,597,989	1,683,416,992	20,823,180,997	7.48%	9,367,714,944	222.29%
June 30, 2022	16,835,502,593	1,623,661,403	15,211,841,190	9.64%	9,846,492,976	154.49%

The single discount rate changed from 1.92% as of June 30, 2021 to 3.69% as of June 30, 2022.
 The single discount rate changed from 2.45% as of June 30, 2020 to 1.92% as of June 30, 2021.
 The single discount rate changed from 3.13% as of June 30, 2019 to 2.45% as of June 30, 2020.
 The single discount rate changed from 3.62% as of June 30, 2018 to 3.13% as of June 30, 2019.
 The single discount rate changed from 3.56% as of June 30, 2017 to 3.62% as of June 30, 2018.
 The single discount rate changed from 2.92% as of June 30, 2016 to 3.56% as of June 30, 2017.



Exhibit 2

Schedule of Changes in the Employers' Collective Net OPEB Liability for the Measurement Period Ending June 30, 2022

Total OPEB liability	
Service cost	\$ 862,552,785
Interest on the total OPEB liability	435,503,577
Changes of benefit terms	0
Difference between expected and actual experience of the total OPEB liability	(1,073,786,474)
Changes of assumptions	(5,384,572,423)
Benefit payments	(510,792,861)
Net change in total OPEB liability	<u>(5,671,095,396)</u>
Total OPEB liability – beginning	<u>22,506,597,989</u>
Total OPEB liability – ending (a)	\$ 16,835,502,593
Plan fiduciary net position	
Contributions – employer	\$ 558,629,410
Contributions – nonemployer contributing entities	2,375,300
Net investment income	(109,166,082)
Benefit payments	(510,792,861)
OPEB plan administrative expense	(801,356)
Other	0
Net change in plan fiduciary net position	<u>(59,755,589)</u>
Plan fiduciary net position – beginning	<u>1,683,416,992</u>
Plan fiduciary net position – ending (b)	\$ 1,623,661,403
Net OPEB liability - Ending (a) - (b)	\$ 15,211,841,190
Plan fiduciary net position as a percentage of the total OPEB liability	9.64 %
Covered-employee payroll	\$ 9,846,492,976
Net OPEB liability as a percentage of covered-employee payroll	154.49 %

Recognition of Deferred Outflows and Inflows of Resources

According to paragraph 86 of GASB Statement No. 75, *differences between expected and actual experience and changes in assumptions* are recognized in OPEB expense using a systematic and rational method over a closed period equal to the average of the expected remaining service lives of all employees that are provided with OPEB through the OPEB plan (active employees and inactive members) determined as of the beginning of the measurement period.

At the beginning of the 2022 fiscal year, the expected remaining service lives of all employees was approximately 1,970,648. Additionally, the total plan membership (active employees and inactive employees) was 284,962. As a result, the average of the expected remaining service lives for purposes of recognizing the applicable deferred outflows and inflows established in the current measurement period is 6.9150.

Additionally, differences between projected and actual earnings on OPEB plan investments should be recognized in OPEB expense using a systematic and rational method over a closed five-year period. For this purpose, the deferred outflows and inflows of resources are recognized in the OPEB expense as a level dollar amount over the closed period identified above.

Exhibit 3

Statement of Outflows and Inflows Arising from Current Reporting Period For Fiscal Year Ending June 30, 2022

	Recognition Period (or amortization years)	Total (Inflow) or Outflow	2022 Recognized in current OPEB expense	Deferred (Inflow) or Outflow in future expense
<u>Due to Liabilities:</u>				
Differences in expected and actual experience	6.9150	\$ (1,073,786,474)	\$ (155,283,655)	\$ (918,502,819)
Assumption changes	6.9150	\$ (5,384,572,423)	\$ (778,680,032)	\$ (4,605,892,391)
<u>Due to Assets:</u>				
Net Difference between projected and actual earnings on OPEB plan investments	5.0000	\$ 156,139,444	\$ 31,227,889	\$ 124,911,555
Total		\$ (6,302,219,453)	\$ (902,735,798)	\$ (5,399,483,655)

This table is not a required disclosure. Exhibit 3 is provided to document the new deferred inflows and outflows resulting from the current reporting year.



Exhibit 4

Components of Collective OPEB Expense for the Fiscal Year Ending June 30, 2022

1. Service Cost	\$	862,552,785
2. Interest on the Total OPEB Liability		435,503,577
3. Current-Period Benefit Changes		0
4. Employee Contributions		0
5. Projected Earnings on Plan Investments		(46,973,362)
6. OPEB Plan Administrative Expense		801,356
7. Other Changes in Plan Fiduciary Net Position		0
8. Recognition of Outflow (Inflow) of Resources due to Liabilities		(367,689,255)
9. Recognition of Outflow (Inflow) of Resources due to Assets		30,899,402
10. Total Aggregate OPEB Expense	\$	915,094,503



Exhibit 5

Deferred Outflows and Inflows Related to OPEB

	Deferred Outflows of Resources	Deferred Inflows of Resources
Difference between expected and actual experience	\$ 326,503,694	\$ 1,337,548,675
Changes in assumptions	\$ 3,429,878,076	\$ 4,889,781,022
Net difference between projected and actual earnings on OPEB plan investments	\$ 150,089,669	\$ 30,480,312
Changes in proportion and differences between contributions and proportionate share of contributions	TBD	TBD
Contributions subsequent to the measurement date	TBD	
Total	\$ 3,906,471,439	\$ 6,257,810,009

The table above provides the collective Deferred Outflows and Inflows of resources remaining as of the measurement date. The deferred inflows/outflows related to changes in proportion and differences between contributions and proportionate share of contributions are specific to each employer and are provided in Appendix B.

Employer contributions made subsequent to the measurement date of the total OPEB liability (June 30, 2022) and prior to the end of the employer's reporting period should be reported by the employer as a deferred outflow related to OPEB. See paragraph 68 of GASB Statement No. 75 for cost-sharing employers. It's important to note that employer contributions also include the implicit subsidy. Each employer's implicit subsidy for the year ending June 30, 2023 is provided in Appendix A.

Exhibit 6

Collective Deferred Outflows and Inflows to be recognized in Future OPEB Expense

Year Ending June 30	Net Deferred Outflows (Inflows)
2023	\$ (346,009,892)
2024	(186,043,222)
2025	(139,627,915)
2026	(224,767,235)
2027	(600,313,531)
Thereafter	(854,576,775)
Total	\$ (2,351,338,570)



Exhibit 7

Statement of Deferred Outflows and Inflows of Resources by Year to be recognized in Future OPEB Expense

	Remaining Recognition Period (or amortization)	Total (Inflow) or Outflow at Beginning of Measurement Period	Measurement Year						Total remaining (Inflow) or Outflow at End of Measurement	
			2022	2023	2024	2025	2026	2027		Thereafter
Due to Liabilities:										
Differences in Experience										
2022	6.9150	(1,073,786,474)	(155,283,655)	(155,283,655)	(155,283,655)	(155,283,655)	(155,283,655)	(155,283,655)	(142,084,544)	(918,502,819)
2021	5.9290	(203,069,700)	(34,250,245)	(34,250,245)	(34,250,245)	(34,250,245)	(34,250,245)	(31,818,475)	0	(168,819,455)
2020	5.1390	311,781,314	60,669,647	60,669,647	60,669,647	60,669,647	60,669,647	8,433,079	0	251,111,667
2019	4.1330	(328,547,366)	(79,493,677)	(79,493,677)	(79,493,677)	(79,493,677)	(10,572,658)	0	0	(249,053,689)
2018	3.2030	109,614,462	34,222,435	34,222,435	34,222,435	6,947,157	0	0	0	75,392,027
2017	2.2460	(2,113,891)	(941,179)	(941,179)	(231,533)	0	0	0	0	(1,172,712)
Total			\$ (175,076,674)	\$ (175,076,674)	\$ (174,367,028)	\$ (201,410,773)	\$ (139,436,911)	\$ (178,669,051)	\$ (142,084,544)	\$ (1,011,044,981)
Assumption Changes										
2022	6.9150	(5,384,572,423)	(778,680,032)	(778,680,032)	(778,680,032)	(778,680,032)	(778,680,032)	(778,680,032)	(712,492,231)	(4,605,892,391)
2021	5.9290	2,011,482,934	339,261,753	339,261,753	339,261,753	339,261,753	339,261,753	315,174,169	0	1,672,221,181
2020	5.1390	1,547,666,428	301,161,009	301,161,009	301,161,009	301,161,009	301,161,009	41,861,383	0	1,246,505,419
2019	4.1330	674,302,282	163,150,806	163,150,806	163,150,806	163,150,806	21,699,058	0	0	511,151,476
2018	3.2030	(43,094,932)	(13,454,553)	(13,454,553)	(13,454,553)	(2,731,273)	0	0	0	(29,640,379)
2017	2.2460	(458,299,816)	(204,051,564)	(204,051,564)	(50,196,688)	0	0	0	0	(254,248,252)
Total			\$ (192,612,581)	\$ (192,612,581)	\$ (38,757,705)	\$ 22,162,263	\$ (116,558,212)	\$ (421,644,480)	\$ (712,492,231)	\$ (1,459,902,946)
Due to Assets:										
Investment Experience										
2022	5.0000	156,139,444	31,227,889	31,227,889	31,227,889	31,227,889	31,227,888	0	0	124,911,555
2021	4.0000	33,570,818	8,392,704	8,392,704	8,392,704	8,392,706	0	0	0	25,178,114
2020	3.0000	(37,617,246)	(12,539,082)	(12,539,082)	(12,539,082)	0	0	0	0	(25,078,164)
2019	2.0000	(10,804,294)	(5,402,146)	(5,402,148)	0	0	0	0	0	(5,402,148)
2018	1.0000	9,220,037	9,220,037	0	0	0	0	0	0	0
Total			\$ 30,899,402	\$ 21,679,363	\$ 27,081,511	\$ 39,620,595	\$ 31,227,888	\$ 0	\$ 0	\$ 119,609,357
Total Recognized in Future Expense				\$ (346,009,892)	\$ (186,043,222)	\$ (139,627,915)	\$ (224,767,235)	\$ (600,313,531)	\$ (854,576,775)	\$ (2,351,338,570)

This table is not a required disclosure. Exhibit 7 is provided to document all sources of collective deferred inflows and outflows.



Exhibit 8

Actuarial Assumptions and Methods

Valuation Date: June 30, 2021

Methods and Assumptions:

Actuarial Cost Method	Individual Entry-Age Normal
Inflation	2.25%
Investment Rate of Return	2.75%, net of OPEB plan investment expense, including inflation
Single Discount Rate	3.69% as of June 30, 2022
Demographic Assumptions	Based on the experience study performed for the South Carolina Retirement Systems for the 5-year period ending June 30, 2019
Mortality	For healthy retirees, the gender-distinct South Carolina Retirees 2020 mortality tables are used with multipliers based on plan experience. The rates are projected on a fully generational basis using 80% of the ultimate rates of Scale MP-2019 to account for future mortality improvements.
Health Care Trend Rates	Initial trend starting at 6.00% and gradually decreasing to an ultimate trend rate of 4.00% over a period of 15 years
Aging factors	Based on plan specific experience
Participation Rates	79% participation for retirees who are eligible for Funded Premiums 59% participation for retirees who are eligible for Partial Funded Premiums 20% participation for retirees who are eligible for Non-Funded Premiums

Other Information:

Notes The Single Discount Rate changed from 1.92% as of June 30, 2021 to 3.69% as of June 30, 2022.



Exhibit 9

Asset Allocation and Real Return Assumptions

<u>Asset Class</u>	<u>Target Allocation</u>	<u>Long-Term Expected Real Rate of Return</u>	<u>Allocation-Weighted Long-Term Expected Real Rate of Return</u>
U.S. Domestic Fixed Income	80.00 %	0.95 %	0.76 %
Cash	20.00 %	0.35 %	0.07 %
Total	100.00 %		0.83 %
Expected Inflation			2.25 %
Total Return			3.08 %
Investment Return Assumption			2.75 %

Exhibit 10

Sensitivity of the Collective Net OPEB Liability to Changes in the Discount Rate

Regarding the sensitivity of the net OPEB liability to changes in the Single Discount Rate, the following presents the plan's net OPEB liability, calculated using a Single Discount Rate of 3.69%, as well as what the plan's net OPEB liability would be if it were calculated using a Single Discount Rate that is one percent lower or one percent higher:

1% Decrease	Current Single Discount Rate Assumption	1% Increase
2.69%	3.69%	4.69%
\$ 17,984,510,157	\$ 15,211,841,190	\$ 12,983,624,409

Exhibit 11

Sensitivity of the Collective Net OPEB Liability to Changes in the Healthcare Cost Trend Rate

Regarding the sensitivity of the net OPEB liability to changes in the healthcare cost trend rates, the following presents the plan's net OPEB liability, calculated using the assumed trend rates as well as what the plan's net OPEB liability would be if it were calculated using a trend rate that is one percent lower or one percent higher:

1% Decrease	Current Healthcare Cost Trend Rate Assumption	1% Increase
\$ 12,510,252,447	\$ 15,211,841,190	\$ 18,366,093,156



APPENDIX A

ALLOCATION OF THE NET OPEB LIABILITY, CONTRIBUTIONS FROM NONEMPLOYER CONTRIBUTING ENTITIES AND IMPLICIT SUBSIDY

Allocation of the Net OPEB Liability, Contributions from Nonemployer Contributing Entities and Implicit Subsidy

Participating Employer	Payroll	Proportionate Share	Employer Contributions for Plan Year Ending June 30, 2022			Contributions from Nonemployer Contributing Entities For Plan Year Ending 6/30/2022	Implicit Subsidy Year Ending 6/30/2023	Net OPEB Liability 6/30/2021	Net OPEB Liability as of June 30, 2022				
			6.25% Surcharge Contribution (Derived from Payroll)	Implicit Subsidy	Total Employer Contribution (4) + (5)				Baseline Discount Rate 3.69%	Discount Rate Less 1.00% 2.69%	Discount Rate Plus 1.00% 4.69%	Health Care Trend Rate 1% Decrease	Health Care Trend Rate 1% Increase
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
Aggregate	9,828,978,927	100.00%	614,311,183	(56,776,401)	557,534,782	2,375,300	3,779,135	20,823,180,997	15,211,841,190	17,984,510,157	12,983,624,409	12,510,252,447	18,366,093,156
Employer													
10001	338,967	0.003449%	21,185	(1,958)	19,227	82	130	702,574	524,656	620,286	447,805	431,479	633,447
10002	1,576,355	0.016038%	98,522	(9,106)	89,416	381	606	3,474,140	2,439,675	2,884,356	2,082,314	2,006,394	2,945,554
10100	9,068,424	0.092262%	566,776	(52,383)	514,393	2,191	3,487	19,319,747	14,034,749	16,592,869	11,978,952	11,542,209	16,944,925
10200	8,594,489	0.087440%	537,156	(49,645)	487,511	2,077	3,304	17,881,490	13,301,234	15,725,656	11,352,881	10,938,965	16,059,312
10300	24,476,158	0.249020%	1,529,760	(141,385)	1,388,375	5,915	9,411	53,280,481	37,880,527	44,785,027	32,331,822	31,153,031	45,735,245
10600	2,707,376	0.027545%	169,211	(15,639)	153,572	654	1,041	5,865,057	4,190,102	4,953,833	3,576,339	3,445,949	5,058,940
10900	1,253,093	0.012749%	78,318	(7,238)	71,080	303	482	2,558,544	1,939,358	2,292,845	1,655,282	1,594,932	2,341,493
12300	616,644	0.006274%	38,540	(3,562)	34,978	149	237	1,231,691	954,391	1,128,348	814,593	784,893	1,152,289
13300	2,647,608	0.026937%	165,475	(15,294)	150,181	640	1,018	5,857,977	4,097,614	4,844,488	3,497,399	3,369,887	4,947,275
13600	1,803,267	0.018346%	112,704	(10,416)	102,288	436	693	3,655,509	2,790,764	3,299,438	2,381,976	2,295,131	3,369,443
13700	955,944	0.009726%	59,746	(5,522)	54,224	231	368	1,693,341	1,479,504	1,749,173	1,262,787	1,216,747	1,786,286
20101	1,924,066	0.019575%	120,254	(11,114)	109,140	465	740	3,995,136	2,977,718	3,520,468	2,541,544	2,448,882	3,595,163
20102	38,961,093	0.396390%	2,435,068	(225,056)	2,210,012	9,415	14,980	83,360,816	60,298,217	71,288,800	51,465,789	49,589,390	72,801,357
20108	219,024	0.002228%	13,689	(1,265)	12,424	53	84	435,204	338,920	400,695	289,275	278,728	409,197
20200	1,905,709	0.019389%	119,107	(11,008)	108,099	461	733	4,207,324	2,949,424	3,487,017	2,517,395	2,425,613	3,561,002
20300	1,918,785	0.019522%	119,924	(11,084)	108,840	464	738	3,962,235	2,969,656	3,510,936	2,534,663	2,442,251	3,585,429
20400	16,244,951	0.165276%	1,015,309	(93,838)	921,471	3,926	6,246	34,716,824	25,141,523	29,724,079	21,458,815	20,676,445	30,354,744
20500	5,606,239	0.057038%	350,390	(32,384)	318,006	1,355	2,156	12,271,933	8,676,530	10,258,005	7,405,600	7,135,598	10,475,652
20600	20,117,002	0.204670%	1,257,313	(116,204)	1,141,109	4,862	7,735	43,361,151	31,134,075	36,808,897	26,573,584	25,604,734	37,589,883
21100	1,354,911	0.013785%	84,682	(7,827)	76,855	327	521	2,947,938	2,096,952	2,479,165	1,789,793	1,724,538	2,531,766
21400	55,875,248	0.568475%	3,492,203	(322,760)	3,169,443	13,503	21,483	118,171,760	86,475,514	102,237,444	73,808,659	71,117,658	104,406,648
22100	2,015,625	0.020507%	125,977	(11,643)	114,334	487	775	4,400,146	3,119,492	3,688,083	2,662,552	2,565,477	3,766,335
22200	89,051	0.000906%	5,566	(514)	5,052	22	34	190,740	137,819	162,940	117,632	113,343	166,397
30100	587,091,585	5.973072%	36,693,222	(3,391,299)	33,301,923	141,874	225,733	1,267,110,762	908,614,227	1,074,227,749	775,521,232	747,246,389	1,097,019,972
30200	50,657,526	0.515389%	3,166,095	(292,619)	2,873,476	12,242	19,477	110,444,486	78,400,156	92,690,187	66,916,172	64,476,465	94,656,824
30300	419,977,842	4.272853%	26,248,615	(2,425,972)	23,822,643	101,493	161,477	888,055,362	649,979,613	768,451,682	554,771,185	534,544,697	784,756,162
30400	49,589,559	0.504524%	3,099,347	(286,451)	2,812,896	11,984	19,067	108,813,823	76,747,390	90,736,170	65,505,501	63,117,226	92,661,348
30500	311,494,092	3.169140%	19,468,381	(1,799,324)	17,669,057	75,277	119,766	667,827,942	482,084,544	569,954,305	411,469,235	396,467,414	582,047,205
30600	29,448,496	0.299609%	1,840,531	(170,107)	1,670,424	7,117	11,323	64,936,465	45,576,045	53,883,211	38,900,107	37,481,842	55,026,468
30700	2,743,511	0.027912%	171,469	(15,847)	155,622	663	1,055	5,163,524	4,245,929	5,019,836	3,623,989	3,491,862	5,126,344
30800	16,685,598	0.169759%	1,042,850	(96,383)	946,467	4,032	6,415	37,412,801	25,823,469	30,530,325	22,040,871	21,237,279	31,178,096
30900	4,095,262	0.041665%	255,954	(23,658)	232,296	990	1,575	8,720,748	6,338,014	7,493,246	5,409,627	5,212,397	7,652,233
31100	12,529,089	0.127471%	783,068	(72,373)	710,695	3,028	4,817	26,861,487	19,390,686	22,925,035	16,550,356	15,946,944	23,411,443
31102	8,600,664	0.087503%	537,542	(49,681)	487,861	2,078	3,307	18,613,009	13,310,817	15,736,986	11,361,061	10,946,846	16,070,882
31104	23,665,557	0.240773%	1,479,097	(136,702)	1,342,395	5,719	9,099	51,309,567	36,626,006	43,301,845	31,261,062	30,121,310	44,220,593
31105	3,851,554	0.039186%	240,722	(22,248)	218,474	931	1,481	7,703,952	5,960,912	7,047,410	5,087,763	4,902,268	7,196,937
31107	9,579,762	0.097464%	598,735	(55,337)	543,398	2,315	3,683	19,722,676	14,826,069	17,528,423	12,654,360	12,192,992	17,900,329
31108	41,997,041	0.427278%	2,624,815	(242,593)	2,382,222	10,149	16,147	94,790,660	64,996,851	76,843,855	55,476,171	53,453,556	78,474,276
31113	5,531,987	0.056282%	345,749	(31,955)	313,794	1,337	2,127	11,101,671	8,561,528	10,122,042	7,307,443	7,041,020	10,336,805
31121	15,416,104	0.156843%	963,506	(89,050)	874,456	3,725	5,927	35,755,692	23,858,708	28,207,445	20,363,906	19,621,455	28,805,931
31123	44,508,059	0.452825%	2,781,754	(257,098)	2,524,656	10,756	17,113	98,955,921	68,883,020	81,438,358	58,793,097	56,649,551	83,166,261
31124	18,809,709	0.191370%	1,175,607	(108,653)	1,066,954	4,546	7,232	40,552,312	29,110,900	34,416,957	24,846,762	23,940,870	35,147,192
31126	24,233,059	0.246547%	1,514,566	(139,981)	1,374,585	5,856	9,317	52,063,783	37,504,338	44,340,270	32,010,736	30,843,652	45,281,052
31138	11,219,063	0.114143%	701,191	(64,806)	636,385	2,711	4,314	23,749,463	17,363,252	20,528,059	14,819,898	14,279,577	20,963,610
31140	42,734,739	0.434783%	2,670,921	(246,854)	2,424,067	10,327	16,431	96,026,932	66,138,499	78,193,593	56,450,592	54,392,451	79,852,651
31142	22,837,277	0.232346%	1,427,330	(131,918)	1,295,412	5,519	8,781	46,269,733	35,344,105	41,786,290	30,166,932	29,067,071	42,672,883
31143	13,317,467	0.135492%	832,342	(76,927)	755,415	3,218	5,120	29,441,896	20,610,828	24,367,573	17,591,772	16,950,391	24,884,587
31146	17,628,480	0.179352%	1,101,780	(101,830)	999,950	4,260	6,778	39,451,599	27,282,741	32,255,579	23,286,390	22,437,388	32,939,955
31200	3,727,104	0.037920%	232,944	(21,530)	211,414	901	1,433	7,828,475	5,768,330	6,819,726	4,923,390	4,743,888	6,964,423
31300	32,378,240	0.329416%	2,023,640	(187,031)	1,836,609	7,825	12,449	71,898,696	50,110,239	59,243,854	42,770,136	41,210,773	60,500,849
31400	102,621,746	1.044073%	6,413,859	(592,787)	5,821,072	24,800	39,457	225,695,587	158,822,727	187,771,415	135,558,517	130,616,168	191,755,420
31600	29,511,960	0.300255%	1,844,497	(170,474)	1,674,023	7,132	11,347	59,437,271	45,674,314	53,999,391	38,983,981	37,562,658	55,145,113
31700	96,622,422	0.983036%	6,038,901	(558,132)	5,480,769	23,350	37,150	191,157,218	149,537,875	176,794,209	127,633,702	122,980,285	180,545,308
40100	175,004,345	1.780494%	10,937,772	(1,010,900)	9,926,872	42,292	67,287	358,293,439	270,845,920	320,213,124	231,172,654	222,744,294	327,007,187
40200	194,636,266	1.980229%	12,164,767	(1,124,303)	11,040,464	47,036	74,836	449,168,924	301,229,291	356,134,486	257,105,496	247,731,647	363,690,703
40700	32,209,242	0.327697%	2,013,078	(186,055)	1,827,023	7,784	12,384	71,527,835	49,848,747	58,934,700	42,546,948	40,995,722	60,185,136
40900	196,683,358	2.001056%	12,292,710	(1,136,128)	11,156,582	47,531	75,623	457,896,753	304,397,461	359,88			

Allocation of the Net OPEB Liability, Contributions from Nonemployer Contributing Entities and Implicit Subsidy

Participating Employer	Payroll	Proportionate Share	Employer Contributions for Plan Year Ending June 30, 2022			Contributions from Nonemployer Contributing Entities For Plan Year Ending 6/30/2022	Implicit Subsidy Year Ending 6/30/2023	Net OPEB Liability 6/30/2021	Net OPEB Liability as of June 30, 2022				
			6.25% Surcharge Contribution (Derived from Payroll)	Implicit Subsidy	Total Employer Contribution (4) + (5)				Baseline Discount Rate 3.69%	Discount Rate Less 1.00% 2.69%	Discount Rate Plus 1.00% 4.69%	Health Care Trend Rate 1% Decrease	Health Care Trend Rate 1% Increase
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
Aggregate	9,828,978,927	100.00%	614,311,183	(56,776,401)	557,534,782	2,375,300	3,779,135	20,823,180,997	15,211,841,190	17,984,510,157	12,983,624,409	12,510,252,447	18,366,093,156
Employer													
51902	2,911,764	0.029624%	181,985	(16,819)	165,166	704	1,120	6,489,336	4,506,356	5,327,731	3,846,269	3,706,037	5,440,771
52000	3,279,871	0.033369%	204,992	(18,946)	186,046	793	1,261	6,757,122	5,076,039	6,001,251	4,332,506	4,174,546	6,128,582
52200	18,218,600	0.185356%	1,138,663	(105,238)	1,033,425	4,403	7,005	37,353,247	28,196,060	33,335,369	24,065,927	23,188,504	34,042,656
52600	3,590,947	0.036534%	224,434	(20,743)	203,691	868	1,381	8,501,480	5,557,494	6,570,461	4,743,437	4,570,496	6,709,868
53000	3,354,177	0.034125%	209,636	(19,375)	190,261	811	1,290	7,806,819	5,191,041	6,137,214	4,430,662	4,269,124	6,267,429
53300	278,500	0.002833%	17,406	(1,608)	15,798	67	107	707,780	430,951	509,501	367,826	354,415	520,311
53900	1,309,307	0.013321%	81,832	(7,563)	74,269	316	503	2,630,801	2,026,369	2,395,717	1,729,549	1,666,491	2,446,547
54100	2,972,139	0.030239%	185,759	(17,169)	168,590	718	1,143	6,105,357	4,599,909	5,438,336	3,926,118	3,782,975	5,553,723
54200	71,491,851	0.727358%	4,468,241	(412,968)	4,055,273	17,277	27,488	146,604,981	110,644,544	130,811,773	94,437,431	90,994,322	133,587,248
54300	45,552,978	0.463456%	2,847,061	(263,134)	2,583,927	11,008	17,515	95,220,450	70,500,191	83,350,291	60,173,386	57,979,516	85,118,761
54400	40,000	0.000407%	2,500	(231)	2,269	10	15	100,576	61,912	73,197	52,843	50,917	74,750
60100	7,932,758	0.080708%	495,797	(45,823)	449,974	1,917	3,050	17,686,793	12,277,173	14,514,938	10,478,824	10,096,775	14,822,906
60400	48,800,443	0.496496%	3,050,028	(281,893)	2,768,135	11,793	18,763	112,543,879	75,526,183	89,292,374	64,463,176	62,112,903	91,186,918
60500	2,570,908	0.026156%	160,682	(14,500)	146,182	621	988	5,384,875	3,978,809	4,704,028	3,395,997	3,272,182	4,803,835
60800	7,665,188	0.077986%	479,074	(44,278)	434,796	1,852	2,947	17,228,892	11,863,106	14,025,400	10,125,409	9,756,245	14,322,981
60900	2,095,778	0.021322%	130,986	(12,106)	118,880	506	806	4,953,210	3,243,469	3,834,657	2,768,368	2,667,436	3,916,018
61000	80,694,627	0.820987%	5,043,414	(466,127)	4,577,287	19,501	31,026	163,844,284	124,887,239	147,650,490	106,593,869	102,707,546	150,783,237
61200	1,996,033	0.020308%	124,752	(11,530)	113,222	482	767	4,078,845	3,089,221	3,652,294	2,636,714	2,540,582	3,729,786
62200	2,747,221	0.027950%	171,701	(15,869)	155,832	664	1,056	5,809,043	4,251,710	5,026,671	3,628,923	3,496,616	5,133,323
62500	1,016,280	0.010340%	63,518	(5,871)	57,647	246	391	2,014,226	1,572,904	1,859,598	1,342,507	1,293,560	1,899,054
62700	2,793,602	0.028422%	174,600	(16,137)	158,463	675	1,074	6,367,104	4,323,510	5,111,557	3,690,206	3,555,664	5,220,011
63000	7,980,977	0.081198%	498,811	(46,101)	452,710	1,929	3,069	16,384,720	12,351,711	14,603,063	10,542,443	10,158,075	14,912,900
63500	5,492,659	0.055882%	343,291	(31,728)	311,563	1,327	2,112	12,267,352	8,500,681	10,050,104	7,255,509	6,990,979	10,263,340
63700	1,865,140	0.018976%	116,571	(10,774)	105,797	451	717	3,978,269	2,886,599	3,412,741	2,463,773	2,373,946	3,485,150
63800	236,051	0.002402%	14,753	(1,364)	13,389	57	91	497,258	365,388	431,988	311,867	300,496	441,154
64100	1,007,731	0.010253%	62,983	(5,821)	57,162	244	387	2,225,373	1,559,670	1,843,952	1,331,211	1,282,676	1,883,076
66600	1,131,443	0.011511%	70,715	(6,536)	64,179	273	435	2,130,420	1,751,035	2,070,197	1,494,545	1,440,055	2,114,121
67000	362,617	0.003689%	22,664	(2,094)	20,570	88	139	629,693	561,165	663,449	478,966	461,503	677,525
67100	8,216,080	0.083590%	513,505	(47,459)	466,046	1,986	3,159	18,044,952	12,715,578	15,033,252	10,853,012	10,457,320	15,352,217
67200	203,753	0.002073%	12,735	(1,177)	11,558	49	78	498,299	372,819	459,338	269,151	259,338	380,729
67300	6,846,887	0.069660%	427,930	(39,550)	388,380	1,655	2,633	12,661,952	10,596,569	12,528,010	9,044,393	8,714,642	12,793,820
67400	5,441,693	0.055364%	340,106	(31,434)	308,672	1,315	2,092	11,710,332	8,421,884	9,956,944	7,188,254	6,926,176	10,168,204
67500	6,806,869	0.069253%	425,429	(39,319)	386,110	1,645	2,617	14,493,559	10,534,656	12,454,813	8,991,549	8,663,725	12,719,070
67600	777,044	0.007906%	48,565	(4,489)	44,076	188	299	1,829,525	1,202,648	1,421,855	1,026,485	989,061	1,452,023
67800	16,353,432	0.166380%	1,022,090	(94,465)	927,625	3,952	6,288	35,350,473	25,309,461	29,922,628	21,602,154	20,814,558	30,557,506
67900	570,584	0.005805%	35,662	(3,296)	32,366	138	219	1,157,561	883,047	1,044,001	753,699	726,220	1,066,152
68000	822,887	0.008372%	51,430	(4,677)	46,753	199	316	1,687,511	1,273,535	1,505,663	1,086,989	1,047,358	1,537,609
68100	4,706,313	0.047882%	294,145	(27,186)	266,959	1,137	1,810	10,908,432	7,283,734	8,611,343	6,216,819	5,990,159	8,794,053
68200	30,069,809	0.305930%	1,879,363	(173,696)	1,705,667	7,267	11,562	72,990,663	46,537,586	55,020,012	39,720,802	38,272,615	56,187,389
68300	8,730,233	0.088821%	545,640	(50,429)	495,211	2,110	3,357	18,494,941	13,511,309	15,974,022	11,532,185	11,111,731	16,312,948
68400	310,016	0.003154%	19,376	(1,791)	17,585	75	119	606,579	479,781	567,231	409,504	394,573	579,267
68500	7,161,396	0.072860%	447,587	(41,367)	406,220	1,731	2,753	16,303,510	11,083,347	13,103,514	9,459,869	9,114,970	13,381,535
68600	1,826,599	0.018584%	114,162	(10,551)	103,611	441	702	2,776,146	2,826,969	3,342,241	2,412,877	2,324,905	3,413,155
68700	2,887,530	0.029378%	180,471	(16,680)	163,791	698	1,110	4,466,368	4,468,935	5,283,489	3,814,329	3,675,262	5,395,591
70709	1,963,853	0.019980%	122,741	(11,344)	111,397	475	755	3,678,415	3,039,326	3,593,305	2,594,128	2,499,548	3,669,545
71036	490,495	0.004990%	30,656	(2,833)	27,823	119	189	1,045,740	759,071	897,427	647,883	624,262	916,468
72110	2,048,969	0.020846%	128,061	(11,836)	116,225	495	788	4,064,477	3,171,060	3,749,051	2,706,566	2,607,887	3,828,596
72114	352,152	0.003583%	22,010	(2,034)	19,976	85	135	818,143	545,040	644,385	465,203	448,242	658,057
72116	933,124	0.009494%	58,320	(5,390)	52,930	226	359	2,032,967	1,444,212	1,707,449	1,232,665	1,187,723	1,743,677
72210	2,212,823	0.022513%	138,301	(12,782)	125,519	535	851	4,617,957	3,424,642	4,048,853	2,923,003	2,816,433	4,134,759
72411	88,000	0.000895%	5,500	(508)	4,992	21	34	196,571	136,146	160,961	116,203	111,967	164,377
72507	1,685,240	0.017146%	105,328	(9,735)	95,593	407	648	3,506,624	2,608,222	3,083,624	2,226,172	2,145,008	3,149,050
74306	1,453,910	0.014792%	90,869	(8,398)	82,471	351	559	3,064,548	2,250,136	2,660,269	1,920,538	1,850,517	2,716,712
74310	1,479,681	0.015054%	92,480	(8,547)	83,933	358	569	2,954,393	2,289,991	2,707,388	1,954,555	1,883,293	2,764,832
74616	1,390,995	0.014152%	86,937	(8,035)	78,902	336	535	2,957,100	2,152,780	2,545,168	1,837,443	1,770,451	2,599,170
75005	718,764	0.007313%	44,923	(4,152)	40,771	174	276	1,450,959	1,112,442	1,315,207	949,492	914,875	1,343,112
75011	1,739,282	0.017695%	108,705	(10,047)	98,658	420	669	3,867,489	2,691,735	3,182,359	2,297,452	2,213,689	3,249,880
92121	222,934	0.002268%	13,933	(1,288)	12,645	54	86	498,923	345,005	407,889	294,469	283,733	416,543
94608	87,756	0.000893%	5,485	(507)	4,978	21	34	200,944	135,842	160,602	115,944	111,717	164,009
80101	19,264,719	0.195999%	1,204,045	(111,281)	1,092,764	4,656							

Allocation of the Net OPEB Liability, Contributions from Nonemployer Contributing Entities and Implicit Subsidy

Participating Employer	Payroll	Proportionate Share	Employer Contributions for Plan Year Ending June 30, 2022			Contributions from Nonemployer Contributing Entities For Plan Year Ending 6/30/2022	Implicit Subsidy Year Ending 6/30/2023	Net OPEB Liability 6/30/2021	Net OPEB Liability as of June 30, 2022				
			6.25% Surcharge Contribution (Derived from Payroll)	Implicit Subsidy	Total Employer Contribution (4) + (5)				Baseline Discount Rate 3.69%	Discount Rate Less 1.00% 2.69%	Discount Rate Plus 1.00% 4.69%	Health Care Trend Rate 1% Decrease	Health Care Trend Rate 1% Increase
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
Aggregate	9,828,978,927	100.00%	614,311,183	(56,776,401)	557,534,782	2,375,300	3,779,135	20,823,180,997	15,211,841,190	17,984,510,157	12,983,624,409	12,510,252,447	18,366,093,156
Employer													
80601	14,026,746	0.142708%	876,672	(81,024)	795,648	3,390	5,393	30,067,008	21,708,514	25,665,335	18,528,671	17,853,131	26,209,884
80602	3,842,938	0.039098%	240,184	(22,198)	217,986	929	1,478	8,118,334	5,947,526	7,031,584	5,076,337	4,891,259	7,180,775
80603	5,764,248	0.058645%	360,265	(33,297)	326,968	1,393	2,216	11,909,194	8,920,984	10,547,016	7,614,247	7,336,638	10,770,795
80606	1,021,587	0.010394%	63,849	(5,901)	57,948	247	393	2,196,429	1,581,119	1,869,310	1,349,518	1,300,316	1,908,972
80701	155,718,155	1.584276%	9,732,385	(899,495)	8,832,890	37,631	59,872	319,051,738	240,997,549	284,924,278	205,696,445	198,196,927	290,969,606
80702	1,475,566	0.015012%	92,223	(8,523)	83,700	357	567	2,970,010	2,283,602	2,699,835	1,949,102	1,878,039	2,757,118
80704	4,411,113	0.044879%	275,695	(25,481)	250,214	1,066	1,696	8,950,428	6,826,922	8,071,268	5,826,921	5,614,476	8,242,519
80801	226,120,370	2.300548%	14,132,523	(1,306,168)	12,826,355	54,645	86,941	488,487,463	349,955,708	413,742,289	298,694,512	287,804,362	422,520,789
80902	12,886,907	0.131111%	805,432	(74,440)	730,992	3,114	4,955	28,852,808	19,944,397	23,579,671	17,022,960	16,402,317	24,079,968
81001	361,185,139	3.674696%	22,574,071	(2,086,360)	20,487,711	87,285	138,872	737,614,543	558,988,920	660,876,075	477,108,727	459,713,746	674,898,091
81002	7,279,269	0.074059%	454,954	(42,048)	412,906	1,759	2,799	14,716,783	11,265,737	13,319,148	9,615,542	9,264,968	13,601,745
81003	3,975,157	0.040443%	248,447	(22,962)	225,485	961	1,528	7,667,720	6,152,125	7,273,475	5,250,967	5,059,521	7,427,799
81004	2,916,195	0.029669%	182,262	(16,845)	165,417	705	1,121	6,004,572	4,513,201	5,335,824	3,852,112	3,711,667	5,449,036
81005	9,394,172	0.095576%	587,136	(54,265)	532,871	2,270	3,612	-	14,538,869	17,188,875	12,409,229	11,956,799	17,553,577
81102	53,895,135	0.548329%	3,368,446	(311,321)	3,057,125	13,024	20,722	116,568,375	83,410,937	98,614,285	71,192,978	68,597,342	100,706,615
81201	30,923,360	0.314614%	1,932,710	(178,627)	1,754,083	7,473	11,890	69,176,898	47,858,582	56,581,787	40,848,300	39,359,006	57,782,300
81203	1,726,447	0.017565%	107,903	(9,973)	97,930	417	664	-	2,671,960	3,158,979	2,280,574	2,197,426	3,226,004
81301	46,143,807	0.469467%	2,883,988	(266,546)	2,617,442	11,151	17,742	95,613,175	71,414,574	84,431,340	60,953,832	58,731,507	86,222,747
81402	16,737,897	0.170291%	1,046,119	(96,685)	949,434	4,045	6,436	34,845,303	25,904,396	30,626,002	22,109,944	21,303,834	31,275,804
81408	14,042,726	0.142871%	877,670	(81,117)	796,553	3,394	5,399	-	21,733,310	25,694,650	18,549,834	17,873,523	26,239,821
81501	32,783,000	0.333534%	2,048,938	(189,369)	1,859,569	7,922	12,605	71,943,466	50,736,662	59,984,456	43,304,802	41,725,945	61,257,165
81601	69,797,922	0.710124%	4,362,370	(403,183)	3,959,187	16,868	26,837	144,262,373	108,022,935	127,712,323	92,199,833	88,838,305	130,422,035
81701	31,881,016	0.324357%	1,992,564	(184,158)	1,808,406	7,704	12,258	69,885,511	49,340,672	58,334,018	42,113,295	40,577,880	59,571,709
81802	147,234,974	1.497968%	9,202,186	(850,492)	8,351,694	35,581	56,610	306,439,137	227,868,513	269,402,207	194,490,539	187,399,578	275,118,198
81805	2,354,082	0.023950%	147,130	(13,598)	133,532	569	905	5,448,177	3,643,236	4,307,290	3,109,578	2,996,205	4,398,679
81806	18,147,626	0.184634%	1,134,227	(104,829)	1,029,398	4,386	6,978	38,322,774	28,086,231	33,205,520	23,972,185	23,098,180	33,910,052
81901	23,889,883	0.243056%	1,493,118	(137,998)	1,355,120	5,773	9,185	51,159,432	36,973,293	43,712,431	31,557,478	30,406,919	44,639,891
81902	3,560,073	0.036220%	222,505	(20,564)	201,941	860	1,369	7,160,675	5,509,729	6,513,990	4,702,669	4,531,213	6,652,199
82001	24,947,373	0.253815%	1,559,211	(144,107)	1,415,104	6,029	9,592	57,181,913	38,609,935	45,647,384	32,954,386	31,752,897	46,615,899
82101	102,756,967	1.045449%	6,422,310	(593,568)	5,828,742	24,833	39,509	229,469,789	159,032,042	188,018,882	135,737,172	130,788,309	192,008,137
82106	7,307,835	0.074350%	456,740	(42,213)	414,527	1,766	2,810	16,174,198	11,310,004	13,371,483	9,653,325	9,301,373	13,655,190
82107	20,889,850	0.212533%	1,305,616	(120,669)	1,184,947	5,048	8,032	46,158,954	32,330,182	38,223,019	27,594,486	26,588,415	39,034,009
82108	4,119,438	0.041911%	257,465	(23,796)	233,669	996	1,584	7,313,934	6,375,435	7,537,488	5,441,567	5,243,172	7,697,413
82109	8,054,143	0.081943%	503,384	(46,524)	456,860	1,946	3,097	17,066,054	12,465,039	14,737,047	10,639,171	10,251,276	15,049,728
82110	71,647	0.000729%	4,478	(414)	4,064	17	28	254,668	110,894	131,107	94,651	91,200	133,889
82201	62,966,214	0.640618%	3,935,388	(363,720)	3,571,668	15,217	24,210	137,369,900	97,449,793	115,212,009	83,175,435	80,142,929	117,656,499
82301	514,331,907	5.232811%	32,145,744	(2,971,002)	29,174,742	124,295	197,755	1,065,211,698	796,006,899	941,095,426	679,408,526	654,637,866	961,062,943
82306	2,265,982	0.023054%	141,624	(13,089)	128,535	548	871	4,931,554	3,506,938	4,146,149	2,993,245	2,884,114	4,234,119
82307	2,771,732	0.028200%	173,233	(16,011)	157,222	670	1,066	5,593,939	4,289,739	5,071,632	3,661,382	3,527,891	5,179,238
82308	2,585,626	0.026306%	161,602	(14,936)	146,666	625	994	5,461,920	4,001,627	4,731,005	3,415,472	3,290,947	4,831,384
82312	2,094,793	0.021312%	130,925	(12,100)	118,825	506	805	4,474,069	3,241,948	3,832,859	2,767,070	2,666,185	3,914,182
82313	11,968,011	0.121763%	748,001	(69,133)	678,868	2,892	4,602	17,081,464	18,522,394	21,898,479	15,809,251	15,232,859	22,363,106
82401	5,941,271	0.060446%	371,329	(34,319)	337,010	1,436	2,284	13,394,303	10,870,917	12,848,082	9,194,950	7,561,947	11,101,569
82402	60,685,346	0.617412%	3,792,834	(350,544)	3,442,290	14,665	23,333	126,627,013	93,919,733	111,038,524	80,162,455	77,239,800	113,394,463
82406	9,133,438	0.092924%	570,840	(52,759)	518,081	2,207	3,512	19,236,663	14,135,451	16,711,926	12,064,903	11,625,027	17,066,508
82503	15,760,284	0.160345%	985,018	(91,038)	893,980	3,809	6,060	-	24,391,427	28,837,263	20,818,593	20,059,564	29,449,112
82601	319,346,150	3.249027%	19,959,134	(1,844,681)	18,114,453	77,174	122,785	660,211,864	494,236,827	584,321,591	421,841,463	406,461,480	596,719,325
82602	776,703	0.007902%	48,544	(4,058)	44,486	188	299	1,656,901	1,202,040	1,421,136	1,025,966	988,560	1,451,289
82603	1,241,746	0.012633%	77,609	(7,173)	70,436	300	477	2,565,832	1,921,712	2,271,983	1,640,221	1,580,420	2,320,189
82604	787,082	0.008008%	49,193	(4,547)	44,646	190	303	1,713,540	1,218,164	1,440,200	1,039,729	1,001,821	1,470,757
82701	17,498,200	0.178027%	1,093,637	(101,077)	992,560	4,229	6,728	41,641,989	27,081,185	32,017,284	23,114,357	22,271,627	32,696,605
82702	4,616,713	0.046970%	288,545	(26,668)	261,877	1,116	1,775	9,101,188	7,145,002	8,447,324	6,098,408	5,876,066	8,626,554
82801	66,637,580	0.677971%	4,164,849	(384,928)	3,779,921	16,104	25,621	144,822,517	103,131,872	121,929,763	88,025,208	84,815,884	124,516,785
82901	93,964,013	0.955990%	5,872,751	(542,777)	5,329,974	22,708	36,128	184,760,545	145,423,681	171,930,119	124,122,151	119,596,762	175,578,014
82906	683,819	0.006957%	42,739	(3,950)	38,789	165	263	-	1,058,288	1,251,182	903,271	870,338	1,277,729
83001	36,794,191	0.374344%	2,299,637	(212,539)	2,087,098	8,892	14,147	79,366,305	56,944,615	67,323,935	48,603,419	46,831,379	68,752,368
83005	19,410,096	0.197478%	1,213,131	(112,121)	1,101,010	4,691	7,463	42,600,064	30,040,040	35,515,451	25,63		

Allocation of the Net OPEB Liability, Contributions from Nonemployer Contributing Entities and Implicit Subsidy

Participating Employer	Payroll	Proportionate Share	Employer Contributions for Plan Year Ending June 30, 2022			Contributions from Nonemployer Contributing Entities For Plan Year Ending 6/30/2022	Implicit Subsidy Year Ending 6/30/2023	Net OPEB Liability 6/30/2021	Net OPEB Liability as of June 30, 2022				
			6.25% Surcharge Contribution (Derived from Payroll)	Implicit Subsidy	Total Employer Contribution (4) + (5)				Baseline Discount Rate 3.69%	Discount Rate Less 1.00% 2.69%	Discount Rate Plus 1.00% 4.69%	Health Care Trend Rate 1% Decrease	Health Care Trend Rate 1% Increase
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
Aggregate	9,828,978,927	100.00%	614,311,183	(56,776,401)	557,534,782	2,375,300	3,779,135	20,823,180,997	15,211,841,190	17,984,510,157	12,983,624,409	12,510,252,447	18,366,093,156
Employer													
84003	198,565,597	2.020206%	12,410,350	(1,147,000)	11,263,350	47,986	76,346	419,495,267	307,310,528	363,324,153	262,295,959	252,732,871	371,032,916
84004	716,059	0.007285%	44,754	(4,136)	40,618	173	275	1,691,467	1,108,183	1,310,172	945,857	911,372	1,337,970
84005	2,080,388	0.021166%	130,024	(12,017)	118,007	503	800	3,755,461	3,219,738	3,806,601	2,748,114	2,647,920	3,887,367
84006	9,624,569	0.097920%	601,536	(55,595)	545,941	2,326	3,701	19,897,591	14,895,435	17,610,432	12,713,565	12,250,039	17,984,078
84009	1,097,570	0.011167%	68,598	(6,340)	62,258	265	422	1,486,567	1,698,706	2,008,330	1,449,881	1,397,020	2,050,942
84010	21,356	0.000217%	1,335	(123)	1,212	5	8	986,602	33,010	39,026	28,174	27,147	39,854
84011	624,829	0.006357%	39,052	(3,609)	35,443	151	240	1,258,553	967,017	1,143,275	825,369	795,277	1,167,533
84101	15,167,203	0.154311%	947,950	(87,612)	860,338	3,665	5,832	31,495,478	23,473,544	27,752,077	20,035,161	19,304,696	28,340,902
84203	65,103,046	0.662358%	4,068,940	(376,063)	3,692,877	15,733	25,031	139,654,412	100,756,847	119,121,842	85,998,075	82,862,658	121,649,287
84207	83,007,519	0.844518%	5,187,970	(479,487)	4,708,483	20,060	31,915	166,644,794	128,466,737	151,882,425	109,649,045	105,651,334	155,104,963
84208	17,110,543	0.174083%	1,069,409	(98,838)	970,571	4,135	6,579	36,721,471	26,481,229	31,307,975	22,602,283	21,778,223	31,972,246
84209	64,069,531	0.651843%	4,004,346	(370,093)	3,634,253	15,483	24,634	131,886,324	99,157,322	117,230,771	84,632,847	81,547,205	119,718,093
84210	20,933,189	0.212974%	1,308,324	(120,919)	1,187,405	5,059	8,049	46,003,613	32,397,267	38,302,331	27,651,744	26,643,585	39,115,003
84211	31,015,309	0.315550%	1,938,457	(179,158)	1,759,299	7,495	11,925	67,217,853	48,000,965	56,750,122	40,969,827	39,476,102	57,954,207
84212	61,414,160	0.624827%	3,838,385	(354,754)	3,483,631	14,842	23,613	128,583,767	95,047,691	112,372,075	81,125,191	78,167,435	114,756,309
84213	1,502,997	0.015291%	93,937	(8,682)	85,255	363	578	7,724,775	2,326,043	2,750,011	1,985,326	1,912,943	2,808,359
84214	1,841,933	0.018740%	115,121	(10,640)	104,481	445	708	3,874,778	2,850,699	3,370,297	2,433,131	2,344,421	3,441,806
84215	6,535,681	0.066494%	408,480	(37,753)	370,727	1,579	2,513	13,627,939	10,114,962	11,958,620	8,633,331	8,318,567	12,212,350
84301	94,626,540	0.962730%	5,914,159	(546,603)	5,367,556	22,868	36,383	203,168,654	146,448,959	173,142,275	124,997,247	120,439,953	176,815,889
84401	21,595,090	0.219708%	1,349,693	(124,742)	1,224,951	5,219	8,303	46,305,757	33,421,632	39,513,408	28,526,062	27,486,025	40,351,776
84501	22,186,248	0.225723%	1,386,641	(128,157)	1,258,484	5,362	8,530	44,153,057	34,336,624	40,595,176	29,307,027	28,238,517	41,456,496
84601	62,377,386	0.634627%	3,898,587	(360,318)	3,538,269	15,074	23,983	130,353,321	96,538,451	114,134,557	82,397,586	79,393,440	116,556,186
84603	117,898,405	1.199498%	7,368,650	(681,032)	6,687,618	28,492	45,331	249,042,121	182,465,731	215,723,840	155,738,315	150,060,228	220,300,920
84604	118,846,862	1.209148%	7,427,929	(686,511)	6,741,418	28,721	45,695	242,757,893	183,933,674	217,459,345	156,991,235	151,267,467	222,073,248
84605	35,736,215	0.363580%	2,233,513	(206,428)	2,027,085	8,636	13,740	76,927,078	55,307,212	65,388,082	47,205,862	45,484,776	66,775,441
84606	313,558	0.003190%	19,597	(1,811)	17,786	76	121	774,206	485,258	573,706	414,178	399,077	585,878

APPENDIX B

ALLOCATION OF THE OPEB EXPENSE AND DEFERRED OUTFLOWS AND INFLOWS OF RESOURCES RELATED TO OPEB

Allocation of the OPEB Expense and Deferred Outflows and Inflows of Resources Related to OPEB

Participating Employer	OPEB Expense				Outstanding Balance of Deferred Outflows of Resources				Outstanding Balance of Deferred Inflows of Resources				Recognition of Existing Deferred Outflows (Inflows) of Resources for Measurement Period Ending June 30,										
	Deferred Amounts from Changes in		Total Employer OPEB Expense	Proportionate Share of OPEB Expense	Liability Experience	Assumption Changes	Investment Experience	Total Outstanding Balance of Deferred Outflows of Resources	Liability Experience	Assumption Changes	Investment Experience	Total Outstanding Balance of Deferred Inflows of Resources	Liability Experience	Assumption Changes	Investment Experience	Proportionate Share of OPEB Expense	Total Deferred Inflow of Resources	2023	2024	2025	2026	2027	Thereafter
	Proportionate Share of OPEB Expense	Proportionate Share of OPEB Expense																					
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)			
Aggregate	915,094,503	N/A	N/A	326,503,694	3,429,878,076	150,089,669	N/A	3,906,471,439	1,337,548,675	4,889,781,022	30,480,312	N/A	6,257,810,009	(346,009,892)	(186,043,222)	(139,627,915)	(224,767,235)	(600,313,531)	(854,576,775)				
Employer																							
10001	31,562	21,945	53,507	11,261	118,296	5,177	135,232	269,966	46,132	168,649	1,051	33,519	249,351	10,011	15,528	11,077	10,949	823	(27,773)				
10002	146,763	111,030	257,793	52,365	550,084	24,071	442,805	1,069,235	214,516	784,223	4,888	95,249	1,098,876	55,539	81,196	64,697	(3,050)	(76,145)	(151,788)				
10100	844,284	972,505	3,164,474	138,476	656,624	138,476	656,624	1,234,049	4,511,410	28,122	90,456	5,864,037	(191,015)	(43,404)	4,245	(85,571)	(487,158)	(800,375)	(800,375)				
10200	800,159	858,777	2,899,085	131,238	388,238	1,699,553	1,699,553	3,804,056	12,176,533	6,252	195,165	5,666,995	(243,933)	(104,034)	(110,966)	(201,851)	(490,464)	(711,691)	(2,284,434)				
10300	2,778,768	(3,777,258)	1,901,515	813,059	8,541,082	373,753	740,800	10,468,694	3,350,764	12,176,533	75,902	2,052,108	17,635,307	(1,238,887)	(840,472)	(555,611)	(704,243)	(1,542,966)	(2,284,434)				
10500	109,600	181,100	89,950	41,344	94,700	41,344	94,700	1,076,337	368,428	1,346,890	8,396	303,273	2,026,987	(166,268)	(122,199)	(112,682)	(135,093)	(249,571)	(409,090)				
10900	116,665	4,500	121,165	43,725	19,135	147,584	147,584	645,620	170,524	623,398	3,886	95,483	893,291	(39,612)	(19,215)	(14,878)	(121,955)	(53,561)	(95,500)				
12300	57,413	(9,139)	48,274	20,485	215,191	9,417	120,487	370,817	83,918	308,785	1,912	120,497	513,112	(30,848)	(20,809)	(12,282)	(18,326)	(45,454)	(157,866)				
13300	246,499	(73,860)	172,639	87,950	923,906	40,430	43,424	1,095,710	360,295	1,317,160	8,210	375,083	2,060,748	(167,065)	(123,964)	(121,882)	(104,486)	(190,198)	(257,443)				
13600	167,883	(56,528)	111,355	59,900	629,245	27,535	130,144	846,824	245,387	1,447,224	5,592	299,166	1,447,224	(120,006)	(90,652)	(68,101)	(68,101)	(138,796)	(138,796)				
13700	89,002	91,335	180,337	31,756	333,590	14,598	498,681	878,255	130,900	475,580	2,965	90,813	699,448	57,682	73,242	62,078	28,012	4,998	(46,835)				
20101	179,130	249,239	69,913	29,380	410,799	29,380	410,799	1,175,486	261,825	1,291,446	5,967	66,479	1,291,446	2,383	33,697	66,836	32,654	(93,070)	(158,460)				
20102	3,627,343	(140,762)	3,486,581	1,294,228	13,595,694	594,940	1,448,853	16,933,715	5,301,909	19,382,603	120,821	2,066,321	26,871,654	(1,512,311)	(878,117)	(580,762)	(1,100,733)	(2,388,340)	(3,477,676)				
20108	20,388	2,526	22,914	3,344	76,418	3,344	80,762	50,184	137,221	29,801	679	32,446	171,870	(5,183)	(1,619)	3,020	(1,368)	(13,594)	(15,905)				
20200	177,428	33,159	210,587	63,306	291,101	171,115	98,986	928,541	259,337	948,080	5,910	127,174	1,340,501	(33,925)	(2,907)	(10,067)	(45,211)	(135,550)	(184,300)				
20300	178,645	(68,729)	109,916	63,740	669,581	29,301	107,280	869,902	261,116	954,583	5,950	327,478	1,549,127	(136,274)	(105,040)	(91,323)	(84,708)	(106,268)	(155,612)				
20400	1,512,432	2,078,248	539,632	248,062	5,668,619	248,062	1,708,032	8,164,491	2,210,647	8,081,634	50,377	375,619	10,718,277	(6,055)	258,367	(96,126)	(302,070)	(362,326)	(1,445,576)				
20500	521,952	108,914	630,866	186,231	1,956,334	85,608	595,858	2,824,031	762,911	2,789,033	17,385	279,649	3,848,978	(88,440)	2,816	397	(69,554)	(339,478)	(530,688)				
20600	1,872,924	165,680	2,038,604	668,255	7,019,931	307,189	1,305,537	6,608,912	2,737,561	10,007,915	62,384	815,883	13,623,743	(542,498)	(215,049)	(111,263)	(437,752)	(1,185,734)	(1,830,535)				
21100	126,146	(26,798)	99,348	45,009	472,809	20,690	31,077	569,585	184,381	674,056	4,202	157,647	1,020,286	(74,495)	(52,440)	(55,484)	(49,842)	(92,146)	(126,294)				
21400	5,202,083	(155,393)	5,046,690	1,856,992	19,499,789	853,222	2,158,934	24,566,247	7,603,630	27,797,183	173,273	4,729,694	40,303,780	(2,122,373)	(1,212,863)	(1,352,977)	(2,190,083)	(4,222,533)	(4,836,704)				
22100	187,658	(52,571)	135,087	66,956	703,365	30,779	3,079	801,100	274,291	1,002,747	6,251	224,665	1,507,954	(125,524)	(90,715)	(74,408)	(84,129)	(144,592)	(189,486)				
22200	8,291	(1,665)	6,626	2,958	13,075	3,800	12,118	38,873	121,118	130,501	8,291	38,873	121,118	(4,350)	(4,068)	(4,068)	(4,068)	(4,068)	(4,068)				
30100	54,659,254	(8,543,350)	46,115,904	19,502,307	204,869,089	8,964,969	5,332,873	238,669,238	79,892,748	292,070,135	1,820,617	49,780,243	423,563,743	(29,210,773)	(19,654,358)	(18,810,787)	(22,228,092)	(41,386,418)	(53,604,077)				
30200	4,716,296	(636,961)	4,079,335	1,682,764	17,677,214	773,546	749,192	20,882,716	6,935,579	25,201,394	157,092	4,825,788	37,077,853	(2,420,528)	(1,595,680)	(1,566,358)	(2,105,369)	(3,760,699)	(4,746,773)				
30300	39,100,643	3,276,114	42,376,757	13,951,023	146,553,648	6,413,111	13,527,303	146,553,648	57,151,489	208,933,155	1,302,379	4,426,158	271,813,181	(11,508,380)	(4,672,274)	(3,294,098)	(3,294,098)	(6,205,022)	(6,336,346)				
30400	4,616,871	2,741,690	7,358,561	1,647,289	17,304,558	757,238	92,893	19,801,978	6,748,254	26,470,119	153,780	11,544,888	43,117,041	(4,620,884)	(3,813,662)	(3,078,197)	(2,672,503)	(4,406,820)	(4,722,997)				
30500	29,000,626	(1,018,573)	27,982,053	10,347,359	108,697,638	4,756,552	6,366,681	130,668,230	42,388,790	154,964,006	965,964	13,609,277	211,928,037	(11,984,111)	(6,913,787)	(5,513,454)	(9,470,369)	(19,925,527)	(27,952,559)				
30600	2,541,705	(119,569)	2,422,136	978,234	10,276,223	449,682	901,349	12,605,498	4,007,416	14,650,224	91,322	2,621,858	21,270,820	(1,516,246)	(676,897)	(863,908)	(1,072,844)	(2,156,403)	(2,839,949)				
30700	255,421	327,207	582,628	91,134	1,973,748	41,893	1,809,816	2,900,191	373,337	1,364,836	8,508	836,104	2,582,785	(24,789)	19,867	87,694	267,312	1,349,964	(167,642)				
30800	1,553,455	1,133,802	2,687,257	552,269	5,823,527	242,683	5,413,844	6,874,270	2,270,609	9,144,879	51,743	2,698,236	13,321,431	(1,007,236)	(735,432)	(892,428)	(1,429,780)	(1,676,268)	(1,676,268)				
30900	381,274	(60,539)	320,735	136,038	1,429,059	62,535	73,753	1,701,385	557,290	2,037,327	12,700	291,816	2,899,133	(204,704)	(138,041)	(89,489)	(117,681)	(286,823)	(361,010)				
31100	1,166,480	396,052	1,562,532	416,198	4,372,100	191,321	1,545,452	6,233,053	1,704,987	8,546,652	38,854	455,010	9,381,546	(54,010)	158,932	(23,225)	(146,301)	(836,579)	(1,224,292)				
31102	800,375	(279,878)	520,857	285,701	3,001,246	131,333	46,883	3,465,163	1,170,395	4,278,705	26,671	1,068,926	6,544,697	(582,647)	(442,640)	(329,698)	(354,277)	(579,482)	(790,780)				
31104	2,203,300	49,286	2,252,586	786,133	8,250,420	361,375	639,702	10,045,130	3,220,456	11,773,272	73,388	831,544	15,898,660	(783,812)	(398,597)	(318,840)	(604,282)	(1,560,504)	(2,186,205)				
31105	358,589	(307,800)	50,789	127,944	1,344,332	58,814	321,862	1,852,652	524,132	1,916,110	11,944	962,160	3,414,346	(443,385)	(380,685)	(179,594)	(73,717)	(199,225)	(285,088)				
31107	891,888	(165,590)	726,298	318,224	3,342,896	146,283	403,753	4,211,156	1,054,932	4,765,776	29,707	955,792	7,054,903	(502,825)	(346,887)	(296,328)	(609,594)	(770,451)	(770,451)				
31108	3,909,997	(2,571,803)	1,338,194	1,395,078	14,655,114	641,300	1,049,659	16,691,492	5,715,051	20,892,959	130,236	11,490,269	38,228,515	(4,050,227)	(3,366,597)	(2,770,826)	(2,935,299)	(4,125,834)	(4,288,240)				
31113	515,033	178,179	693,212	183,763	1,930,404	84,473	1,445,931	2,376,335	3,248,299	752,799	17,155	61,348	3,603,403	(16,562)	73,486	129,052	1,451,405	(180,063)	(413,472)				
31121	1,435,262	(1,734,224)	(298,962)	(298,962)	(298,962)	(298,962)	(298,962)	(298,962)	(298,962)	(298,962)	(298,962)	(298,962)	(298,962)	(298,962)	(298,962)	(298,962)	(298,962)	(298,962)	(298,962)	(298,962)			
31123	4,143,777	(1,707,149)	2,436,628	1,478,490	15,531,345	679,644	114,795	17,804,274	6,056,755	22,142,151	138,022	7,330,006	35,666,934	(3,273,968)	(2,549,469)	(2,249,470)							

Allocation of the OPEB Expense and Deferred Outflows and Inflows of Resources Related to OPEB

Participating Employer	OPEB Expense			Outstanding Balance of Deferred Outflows of Resources					Outstanding Balance of Deferred Inflows of Resources					Recognition of Existing Deferred Outflows (Inflows) of Resources for Measurement Period Ending June 30,								
	Deferred Amounts from Changes in		Total Employer OPEB Expense	Liability Experience	Assumption Changes	Investment Experience	Outstanding Outflow Balance & Proportionate Share of Plan Contributions	Total Deferred Outflow of Resources	Liability Experience	Assumption Changes	Investment Experience	Outstanding Inflow Balance & Proportionate Share of Plan Contributions	Total Deferred Inflow of Resources	2023	2024	2025	2026	2027	Thereafter			
	Proportionate Share of OPEB Expense	Proportion & Differences from Employer Contrib. & Proportionate Share of Plan Contributions																		(1)	(2)	(3)
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)		
Aggregate	915,094,503	N/A	N/A	326,503,694	3,429,878,076	150,089,669	N/A	3,906,471,439	1,337,548,675	4,889,781,022	30,480,312	N/A	6,257,810,009	(346,009,892)	(186,043,222)	(139,627,915)	(224,767,235)	(600,313,531)	(854,576,775)			
Employer																						
68000	76,612	34,108	110,720	27,335	287,149	12,566	141,625	468,675	111,980	409,372	2,552	9,920	533,824	5,141	18,533	8,866	(642)	(31,589)	(65,458)			
68100	438,166	(199,817)	238,349	156,336	1,642,294	71,866	46,262	1,916,758	640,445	2,341,325	14,595	1,093,726	4,090,091	(365,493)	(288,881)	(254,464)	(304,937)	(447,742)	(511,816)			
68200	2,799,549	(3,706,248)	(906,699)	998,873	10,493,026	459,169	-	11,951,068	4,091,963	14,959,307	93,248	16,300,786	35,445,304	(4,764,796)	(4,273,388)	(3,723,388)	(3,672,141)	(3,428,265)	(3,630,352)			
68300	812,796	(149,073)	663,723	290,004	3,046,452	133,311	92,633	3,562,400	1,188,024	4,343,152	27,073	660,824	6,219,073	(456,420)	(314,293)	(295,593)	(291,845)	(539,416)	(759,124)			
68400	28,862	(2,209)	26,653	10,298	108,178	4,734	48,566	171,776	42,186	154,224	961	52,566	249,937	(13,122)	(8,077)	(6,236)	(7,762)	(21,490)	(21,474)			
68500	686,738	(1,554,349)	2,239,809	237,889	10,935,267	109,357	7,066,915	9,913,170	974,538	3,562,694	22,208	5,360,178	1,302,246	1,418,798	1,452,816	1,390,584	(264,744)	(746,508)	(746,508)			
68600	170,061	426,208	596,269	69,677	637,409	27,893	2,096,657	2,822,636	248,570	908,717	5,664	363,906	391,634	400,260	384,437	160,697	(39,249)	(39,249)	(39,249)			
68700	268,836	987,453	95,920	44,093	1,007,630	4,950	4,090,101	5,237,744	392,945	1,436,520	8,955	-	1,838,420	616,966	663,961	677,597	652,558	530,697	257,518			
70709	182,836	245,071	427,907	65,235	685,290	29,988	888,887	1,669,400	267,242	976,978	6,090	40,235	1,290,545	175,940	207,903	132,820	29,033	(48,778)	(118,063)			
71036	45,663	1,826	47,489	16,293	171,151	7,489	31,860	226,793	327,424	244,000	1,521	15,159	327,424	(15,438)	(7,456)	(1,374)	(6,464)	(26,521)	(43,378)			
72110	190,761	144,585	335,346	68,063	714,992	31,288	741,689	1,556,032	278,825	1,019,324	6,354	24,291	1,328,794	72,460	105,807	106,972	93,785	(3,825)	(147,961)			
72114	32,788	12,866	45,674	11,699	122,993	4,975	118,745	189,725	47,924	279,728	1,092	55,511	279,728	488	6,221	(9,956)	(17,375)	(30,860)	(38,501)			
72116	86,879	(17,252)	69,627	30,998	325,533	14,250	53,835	424,716	126,987	464,236	2,894	105,227	699,344	(50,099)	(34,912)	(27,837)	(16,754)	(87,271)	(18,771)			
72210	206,015	(75,124)	130,891	73,506	372,168	33,790	176,963	1,056,427	301,122	1,100,836	6,862	542,240	1,951,060	(153,021)	(117,001)	(116,989)	(166,175)	(156,673)	(184,774)			
72411	8,190	(3,416)	4,774	2,922	30,697	1,343	10,450	45,412	11,971	43,764	273	15,992	85,400	(6,513)	(5,081)	(7,850)	(7,496)	(8,751)	(8,751)			
72507	156,902	(9,761)	147,141	55,982	588,087	25,734	196,129	865,932	229,336	838,402	5,226	223,546	1,296,510	(69,086)	(41,654)	(29,229)	(63,161)	(87,865)	(139,583)			
74306	135,361	5,485	140,846	507,348	22,201	58,296	208,016	197,850	173,296	373,296	4,509	135,205	1,060,860	(45,695)	(22,030)	(15,515)	(13,018)	(124,726)	(108,954)			
74310	137,758	15,308	153,066	49,152	516,334	22,594	285,147	873,227	201,355	736,108	4,589	116,018	1,058,070	(36,778)	(12,694)	7,110	7,119	(40,646)	(108,954)			
74616	129,504	(15,095)	114,409	46,207	485,396	21,241	618,858	189,290	174,571	692,002	4,314	618,571	1,060,177	(64,602)	(47,640)	(41,419)	(71,435)	(94,687)	(122,076)			
75005	66,921	(17,382)	49,539	23,877	250,827	10,976	64,269	349,949	97,815	357,590	2,229	110,989	568,623	(42,684)	(30,984)	(19,927)	(27,960)	(42,465)	(54,654)			
75011	161,926	(30,831)	131,095	57,775	606,917	26,558	67,530	758,770	130,459	865,247	5,393	197,260	1,304,579	(92,057)	(63,745)	(41,469)	(48,816)	(128,481)	(171,231)			
92121	20,754	49,050	69,804	7,405	77,790	3,404	224,429	313,028	30,336	110,900	691	18,861	160,788	41,202	44,831	43,952	(1,331)	(2,297)	(2,297)			
94608	8,172	19,036	27,208	2,916	30,687	1,340	94,508	125,020	11,944	43,666	122,020	15,908	86,490	17,789	17,025	(8,349)	(8,349)	(8,349)	(8,349)			
80101	1,793,576	(395,477)	1,398,099	639,944	6,722,527	294,174	-	7,656,642	2,621,582	9,583,922	59,741	1,858,720	14,123,965	(1,073,653)	(760,065)	(622,371)	(743,059)	(1,431,485)	(1,836,687)			
80103	74,150	(69,722)	4,428	26,457	277,923	12,162	16,582	333,124	108,382	396,219	2,470	319,262	826,333	(97,755)	(84,793)	(87,040)	(68,819)	(74,729)	(80,073)			
80201	13,963,317	266,553	14,229,870	4,982,081	52,336,099	2,290,200	7,653,439	67,152,818	20,409,495	74,612,582	465,095	6,717,558	102,204,730	(5,013,170)	(2,571,901)	(1,328,467)	(2,672,959)	(9,506,263)	(13,850,152)			
80202	531,606	892,669	1,424,275	189,676	1,992,519	87,192	4,831,309	7,100,696	777,022	2,840,620	17,707	136,403	3,771,752	691,664	784,598	731,752	654,130	445,358	21,442			
80302	796,022	(366,152)	429,870	284,019	2,983,582	130,560	93,158	1,163,507	1,850,319	4,253,523	26,514	1,781,756	7,225,300	(667,139)	(527,956)	(462,283)	(429,272)	(715,214)	(932,117)			
80401	5,680,550	1,639,954	7,320,504	2,026,608	21,291,345	931,698	8,563,077	32,812,928	8,302,981	30,353,854	189,210	2,008,879	40,854,924	(507,940)	(485,204)	(623,191)	(232,238)	(2,794,609)	(5,615,606)			
80402	1,966,785	(95,666)	1,871,119	701,745	7,371,734	322,583	484,176	8,880,238	2,874,753	10,509,460	65,510	1,284,698	14,734,421	(689,335)	(499,470)	(400,939)	(607,347)	(1,497,676)	(2,004,414)			
80403	1,602,349	92,667	1,695,016	571,714	6,005,785	262,810	940,508	7,632,817	2,342,074	9,974,911	53,372	384,866	11,342,416	(513,203)	(233,053)	(310,341)	(310,341)	(905,721)	(1,421,744)			
80404	1,849,488	(272,902)	1,576,586	659,893	6,932,092	303,345	532,351	8,427,681	2,703,306	9,882,688	61,603	1,474,544	14,122,141	(972,219)	(648,858)	(487,410)	(503,071)	(1,240,348)	(1,842,554)			
80405	7,771,303	150,031	7,921,334	2,772,784	29,127,725	1,274,614	3,290,758	32,902,523	10,158,391	41,525,732	258,849	1,972,496	55,129,008	(2,788,406)	(1,429,711)	(890,684)	(1,657,943)	(4,981,952)	(6,901,431)			
80406	63,929	(9,167)	54,762	22,810	239,611	10,485	51,027	323,933	93,441	341,600	2,129	115,890	553,600	(33,336)	(22,161)	(19,938)	(24,476)	(59,808)	(69,408)			
80407	293,974	22,882	316,856	104,889	1,101,848	48,216	1,436,441	429,688	1,85,487	2,195,809	9,792	1,570,842	4,929,688	(88,274)	(36,875)	(82,379)	(222,402)	(324,365)	(390,365)			
80409	100,047	(60,658)	39,389	35,697	374,989	16,409	34,417	461,512	146,234	534,600	3,332	324,317	1,008,483	(98,484)	(80,993)	(67,419)	(71,448)	(116,742)	(111,885)			
80502	561,621	264,713	826,334	200,385	2,105,019	92,115	3,258,972	5,656,491	820,894	3,001,005	18,707	1,218,813	5,059,419	52,359	198,929	176,176	39,406	(20,348)	(20,348)			
80503	894,093	(278,180)	615,913	319,010	3,351,162	146,645	1,466,645	3,816,817	1,306,852	4,777,561	29,781	1,098,693	7,212,887	(616,249)	(459,922)	(363,194)	(359,232)	(690,295)	(907,178)			
80601	1,305,913	(301,722)	1,004,191	465,947	4,894,779	214,190	453,989	5,712,789	1,908,789	6,978,109	43,498	1,170,805	10,101,201	(795,506)	(567,181)	(422,157)	(457,077)	(888,399)	(1,258,102)			
80602	357,784	(886,734)	71,050	127,656	1,341,014	15,975	58,882	1,543,327	522,955	1,911,807	11,917	977,511	3,424,190	(422,018)	(359,656)	(487,410)	(503,071)	(1,240,348)	(1,842,554)			
80603	536,657	(240,398)	296,259	191,478	2,011,452	88,020	213,340	2,504,290	784,405	2,867,162	17,875	969,800	4,639,700	(443,316)	(349,485)	(286,576)	(217,877)	(369,991)	(468,165)			
80606	95,115	(25,614)	69,501	33,937	356,502	15,600	-	406,039	139,025	508,244	3,168	102,496	752,933	(61,575)	(44,947)	(35,410)	(40,530)	(72,089)	(92,343)			

Allocation of the OPEB Expense and Deferred Outflows and Inflows of Resources Related to OPEB

Participating Employer	OPEB Expense			Outstanding Balance of Deferred Outflows of Resources					Outstanding Balance of Deferred Inflows of Resources					Recognition of Existing Deferred Outflows (Inflows) of Resources for Measurement Period Ending June 30,					
	Proportionate Share of OPEB Expense	Proportion & Differences Between Employer Contrib. & Proportionate Share of Plan Contributions	Total Employer OPEB Expense	Liability Experience	Assumption Changes	Investment Experience	Outstanding Outflow Balance & Proportionate Share of Plan Contributions	Total Deferred Outflow of Resources	Liability Experience	Assumption Changes	Investment Experience	Outstanding Inflow Balance & Proportionate Share of Plan Contributions	Total Deferred Inflow of Resources	2023	2024	2025	2026	2027	Thereafter
														(15)	(16)	(17)	(18)	(19)	(20)
Aggregate	915,094,503	N/A	N/A	326,503,694	3,429,878,076	150,089,669	N/A	3,906,471,439	1,337,548,675	4,889,781,022	30,480,312	N/A	6,257,810,009	(346,009,892)	(186,043,222)	(139,627,915)	(224,767,235)	(600,313,531)	(854,576,775)
Employer																			
83901	8,917,440	248,352	9,165,792	3,181,723	33,423,579	1,462,598	2,805,401	40,873,301	13,034,184	47,650,085	297,025	893,533	61,874,827	(3,123,456)	(1,564,379)	(1,162,894)	(1,758,353)	(5,427,436)	(7,965,008)
84002	19,740,474	(3,843,296)	15,897,178	7,043,357	73,989,536	3,237,743	10,736,017	95,006,653	28,853,680	105,482,650	657,523	21,079,235	156,073,088	(11,307,442)	(7,856,083)	(6,048,438)	(6,565,717)	(12,514,541)	(16,774,214)
84003	18,486,794	(2,800,894)	15,685,900	6,596,047	69,290,603	3,032,120	812,347	79,731,117	27,021,239	98,783,650	615,765	10,731,524	137,152,178	(9,791,007)	(6,558,840)	(5,258,111)	(6,029,265)	(12,645,288)	(17,138,550)
84004	66,665	(57,283)	10,934	23,786	249,867	184,032	184,032	468,619	97,440	356,221	2,220	367,084	822,965	(82,477)	(70,832)	(42,277)	(8,816)	(68,590)	(81,344)
84005	193,689	89,892	283,581	69,108	725,968	31,768	623,355	1,450,199	283,106	1,034,971	6,451	213,966	1,538,494	16,661	50,520	30,112	(17,501)	(58,468)	(109,619)
84006	896,061	376,455	1,272,516	319,712	3,358,537	146,968	2,045,870	5,871,087	1,309,728	4,788,074	29,846	159,579	6,287,227	37,642	194,304	235,253	130,326	(230,572)	(783,093)
84009	102,189	(102,081)	108	36,461	383,014	16,761	643,527	1,079,763	149,364	546,042	3,404	627,430	1,326,240	(140,717)	(122,850)	(27,885)	15,102	33,604	(3,731)
84010	1,986	(98,266)	709	7,443	326	68,329	76,807	2,902	10,611	66	717,337	730,916	(101,003)	(100,656)	(108,541)	(116,398)	(122,713)	(104,798)	(104,798)
84011	58,173	(59,307)	(1,134)	20,756	218,037	9,541	46,015	294,349	85,028	310,843	1,938	205,054	602,863	(81,303)	(71,131)	(45,975)	(27,415)	(35,479)	(47,211)
84101	1,412,091	(46,729)	1,365,362	503,831	5,292,679	231,605	939,341	6,967,456	2,063,985	7,545,470	47,034	551,879	10,208,368	(580,660)	(333,770)	(132,770)	(177,449)	(766,989)	(1,249,274)
84203	6,061,202	(502,578)	5,558,624	2,162,623	22,718,072	994,131	201,119	26,075,945	8,859,361	32,387,856	201,889	2,857,874	44,306,980	(2,794,402)	(1,734,684)	(1,478,823)	(2,072,069)	(4,300,516)	(5,850,541)
84207	7,728,138	1,428,264	9,156,402	2,757,382	28,965,938	1,267,534	7,494,769	40,485,623	11,295,839	41,295,081	257,412	52,848,633	(1,493,852)	(142,717)	196,598	(750,755)	(3,961,245)	(6,211,039)	(6,211,039)
84208	1,593,024	(92,637)	1,500,387	568,387	5,970,835	261,281	54,294	6,854,797	2,328,445	8,512,277	53,061	592,135	11,485,918	(694,981)	(416,458)	(349,136)	(489,292)	(1,141,735)	(1,539,519)
84209	5,964,979	1,762,727	7,727,706	2,128,291	22,357,420	978,349	8,228,237	33,692,297	8,718,717	31,873,695	198,684	218	40,791,314	(492,714)	550,157	767,954	58,508	(2,832,291)	(5,150,631)
84210	1,948,913	(720,858)	1,228,055	695,368	7,304,749	319,652	151,900	8,471,669	2,848,631	10,413,962	64,915	3,328,779	16,656,287	(1,457,769)	(1,117,019)	(992,422)	(1,105,403)	(1,510,622)	(2,001,383)
84211	2,887,581	(637,334)	2,250,247	1,030,282	10,822,980	473,608	2,322,888	14,649,758	4,220,635	15,429,704	96,181	4,534,562	24,281,082	(1,729,168)	(1,224,306)	(1,008,810)	(1,081,107)	(1,725,701)	(2,862,232)
84212	5,717,758	174,109	5,891,867	2,040,083	21,430,804	937,801	1,670,806	26,079,494	8,357,365	30,552,672	190,449	537,704	39,638,190	(1,987,854)	(988,190)	(612,469)	(1,245,689)	(3,550,739)	(5,173,755)
84213	139,927	(391,640)	(251,713)	49,926	524,643	22,950	739,836	1,337,175	204,525	747,696	4,661	3,236,291	4,193,173	(444,547)	(420,078)	(403,493)	(421,066)	(539,545)	(627,239)
84214	171,489	(44,436)	127,053	61,187	642,759	28,127	19,253	751,326	250,657	916,345	5,712	195,321	1,368,035	(109,275)	(79,293)	(65,824)	(71,361)	(133,780)	(157,176)
84215	608,483	184,542	793,025	217,105	2,280,663	99,801	1,239,402	3,836,971	889,390	3,251,411	20,268	212,162	4,373,231	(45,533)	60,853	168,470	58,746	(234,321)	(544,475)
84301	8,809,889	(4,838,330)	3,971,559	3,143,349	33,020,465	1,444,958	22,775	37,631,547	12,876,982	47,075,389	293,443	17,225,415	77,471,229	(8,169,471)	(6,629,139)	(4,479,599)	(4,871,915)	(7,165,897)	(8,523,661)
84401	2,010,536	(665,336)	1,345,200	717,355	7,535,717	329,759	8,582,831	2,938,701	10,743,240	66,968	66,968	2,608,121	16,357,030	(1,425,547)	(1,074,026)	(892,881)	(978,050)	(1,465,056)	(1,938,639)
84501	2,065,579	(838,904)	1,226,675	736,994	7,742,024	338,787	2,012,376	10,830,181	3,019,155	11,037,360	68,801	3,504,189	17,639,505	(1,619,928)	(1,258,783)	(583,118)	(604,881)	(1,114,934)	(1,617,680)
84601	5,807,437	1,211,110	7,018,547	2,072,081	21,766,932	952,510	5,378,535	30,170,058	8,488,445	39,713,976	193,436	39,713,976	30,565	(984,762)	30,565	282,895	(423,335)	(3,201,411)	(5,227,870)
84603	10,976,540	(244,799)	10,731,741	3,916,405	41,141,319	1,800,323	1,334,596	48,192,643	16,043,870	58,652,826	365,611	1,364,994	76,427,301	(4,395,181)	(2,476,099)	(1,727,340)	(2,500,761)	(6,962,898)	(10,172,379)
84604	11,064,847	7,511,040	18,575,887	3,947,913	41,472,302	1,814,806	30,419,602	77,654,623	16,172,943	59,124,689	368,552	75,666,515	3,327,268	5,261,711	4,879,600	2,105,475	(4,238,048)	(9,347,898)	(9,347,898)
84605	3,327,101	(202,677)	3,124,424	1,187,102	12,470,351	545,696	133,671	14,336,820	4,863,059	17,778,266	110,820	1,345,200	24,097,345	(1,460,700)	(879,002)	(712,380)	(1,057,827)	(2,409,810)	(3,240,806)
84606	29,192	(26,640)	2,552	10,415	109,413	4,788	44,993	169,609	42,668	155,984	972	147,822	347,446	(37,678)	(32,575)	(26,175)	(12,007)	(30,119)	(39,283)