

Kentucky Employees Retirement System

GASB Statements No. 75 Accounting and Financial
Reporting for Postemployment Benefits Other Than
Pensions as of June 30, 2019



February 6, 2020

Board of Trustees
Kentucky Retirement Systems
Perimeter Park West
1260 Louisville Road
Frankfort, KY 40601

Subject: GASB 75 Reporting Information for Measurement Period Ending June 30, 2019

Dear Members of the Board:

This report contains information for the **Kentucky Employees Retirement System (KERS)** in connection with the Governmental Accounting Standards Board (GASB) Statement No. 75, "Accounting and Financial Reporting for Postemployment Benefits Other Than Pensions." This information can be used by participating employers in financial reporting for fiscal years ending between (and including) June 30, 2019 and June 30, 2020. The information provided herein was prepared for the purpose of assisting the Kentucky Retirement Systems (KRS) and participating employers in compliance with the financial reporting and disclosure requirements of GASB Statement No. 75.

The liability calculations presented in this report were performed for the purpose of satisfying the requirements of GASB No. 75 and are not applicable for other purposes, such as determining the plans' funding requirements. The calculation of the plan's liability for other purposes may produce significantly different results. This report may be provided to parties other than the Board of Trustees of the Kentucky Retirement Systems only in its entirety and only with the permission of the Board. GRS is not responsible for unauthorized use of this report.

The total OPEB liability, net OPEB liability, and sensitivity information shown in this report are based on an actuarial valuation performed as of June 30, 2018. The total OPEB liability was rolled-forward from the valuation date to the measurement date at June 30, 2019, using generally accepted actuarial principles.

The Board of Trustees has adopted new actuarial assumptions since June 30, 2018. These assumptions are documented in the report titled "Kentucky Retirement Systems 2018 Actuarial Experience Study for the Period Ending June 30, 2018". The Total OPEB liability as of June 30, 2019 is determined using these updated assumptions. House Bill 1 passed during the 2019 Special Legislative Session and allows certain employers in the Non-Hazardous plan to elect to cease participating in the System as of June 30, 2020. Since each employer's election is unknown at this time and the legislation was enacted after the June 30, 2019 measurement date, we did not make any adjustments to the Total OPEB Liability to reflect this legislation. There were no other plan provision changes and it is our opinion that these procedures are reasonable and appropriate, and comply with applicable requirements under GASB No. 75.

This report provides the Collective OPEB Amounts under GASB Statement No. 75 which will be allocated to employers participating in the KERS Non-Hazardous and Hazardous Retirement Systems. The proportionate share of the Collective OPEB Amounts for employers that participate in these cost-sharing multiple employer systems maintained by KRS are provided in an appendix to this report.

The fully-insured premiums KRS pays for the Kentucky Employees' Health Plan are blended rates based on the combined experience of active and retired members. Because the average cost of providing health care benefits to retirees under age 65 is higher than the average cost of providing health care benefits to active employees, there is an implicit employer subsidy for the non-Medicare eligible retirees. GASB 74 requires that the liability associated with this implicit subsidy be included in the calculation of the Total OPEB Liability.

This report is based upon information furnished by the Retirement System, 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 the Retirement System.

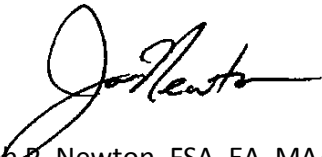
This report complements the GASB 74 accounting valuation report as of June 30, 2019, which was provided to KRS for plan accounting purposes, the "Actuarial Valuation Report as of June 30, 2018", which was provided for plan funding purposes, and the "2018 Actuarial Experience Study for the Period Ending June 30, 2018" which documents the assumptions used in this report. Together, these reports should be considered as a complete report for the measurement period that ended June 30, 2019. Please see the GASB 74 accounting valuation report as of June 30, 2019 for additional discussion of accounting information and the actuarial valuation report and experience study report for information regarding the nature of actuarial calculations, participant data, economic and demographic assumptions, and benefit provisions.

Based on guidance issued by GASB in connection with GASB Statement No. 74, the 1% of pay member contributions for Tier 2 and Tier 3 members to a 401(h) subaccount are considered as an OPEB asset. As a result, the reported fiduciary net position includes these 401(h) assets. Additionally, these member contributions and associated investment income are included in the reconciliation of the fiduciary net position.

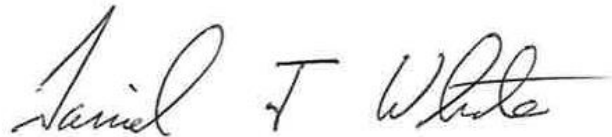
Future actuarial measurements may differ significantly from the current measurements presented in this report due to such factors as the following: plan experience differing from that anticipated by the economic or demographic assumptions; changes in economic or demographic assumptions; increases or decreases expected as part of the natural operation of the methodology used for these measurements; and changes in plan provisions or applicable law.

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, Mr. White, and Mr. Riazi are Enrolled Actuaries. All four of the undersigned are independent actuaries and members of the American Academy of Actuaries and meet the Qualification Standards of the American Academy of Actuaries to render the actuarial opinion herein. They are also experienced in performing valuations for large public retirement systems.

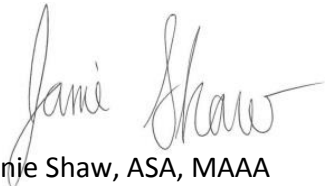
Respectfully submitted,
Gabriel, Roeder, Smith & Company



Joseph P. Newton, FSA, EA, MAAA
Senior Consultant



Daniel J. White, FSA, EA, MAAA
Senior Consultant



Janie Shaw, ASA, MAAA
Consultant



Mehdi Riazi, FSA, EA, MAAA
Consultant

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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.

The following discussion provides a summary of the information that is required to be disclosed under GASB Statement No. 75. A number of the required disclosure items under this standard are provided in this report. However, certain information, such as notes regarding accounting policies and investments, are 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. Much of this additional information can be readily obtained from KRS's 2019 Comprehensive Annual Financial Report.

Financial Reporting Overview

GASB 75 requires employers to recognize the net OPEB liability and the OPEB expense on their financial statements. The net OPEB liability is the total OPEB liability, less the amount of the plan's fiduciary net position. In actuarial terms, this is analogous to the accrued liability as measured using the individual entry age normal actuarial cost method less the market value of assets (not the smoothed actuarial value of assets used in the actuarial funding calculations based on the Board's adopted assumptions and methods).

Timing of the Valuation

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. The total OPEB liability, net OPEB liability, and sensitivity information shown in this report are based on an actuarial valuation performed as of June 30, 2018. The total OPEB liability was rolled-forward from the valuation date to the measurement date at June 30, 2019, using generally accepted actuarial principles.

The Board of Trustees has adopted new actuarial assumptions since June 30, 2018. These assumptions are documented in the report titled "Kentucky Retirement Systems 2018 Actuarial Experience Study for the Period Ending June 30, 2018". The Total OPEB liability as of June 30, 2019 is determined using these updated assumptions. House Bill 1 passed during the 2019 Special Legislative Session and allows certain employers in the Non-Hazardous plan to elect to cease participating in the System as of June 30, 2020. Since each employer's election is unknown at this time and the legislation was enacted after the June 30, 2019 measurement date, we did not make any adjustments to the Total OPEB Liability to reflect this legislation. There were no other plan provision changes and it is our opinion that these procedures are reasonable and appropriate, and comply with applicable requirements under GASB No. 75.

Employer Contributions after the Measurement Date and before the Employer's Fiscal Year End

GASB No. 75 indicates that employer contributions made subsequent to the measurement date of the Net OPEB Liability and prior to the end of the employer's reporting period can be reported by the employer as a deferred outflow of resources. The information contained in this report does not incorporate any contributions made to the plan subsequent to June 30, 2019.

Single Discount Rate

Single discount rates of 5.73% for the non-hazardous system and 5.66% for hazardous system were used to measure the total OPEB liability as of June 30, 2019. The single discount rates are based on the expected rate of return on OPEB plan investments of 6.25% and a municipal bond rate of 3.13%, as reported in Fidelity Index's "20-Year Municipal GO AA Index" as of June 28, 2019. Based on the stated assumptions and the projection of cash flows as of each fiscal year ending, the plan's fiduciary net position and future contributions were projected to be sufficient to finance the future benefit payments of the current plan members. Therefore, the long-term expected rate of return on insurance plan investments was applied to all periods of the projected benefit payments paid from the retirement system. However, the cost associated with the implicit employer subsidy is not currently being included in the calculation of the System's actuarially determined contributions, and it is our understanding that any cost associated with the implicit subsidy will not be paid out of the System's trust. Therefore, the municipal bond rate was applied to future expected benefit payments associated with the implicit subsidy. The projection of cash flows used to determine the single discount rate assumes that the funds receive the required employer contributions each future year, as determined by the current funding policy established in Statute.

Methodology for Proportionate Shares

The proportionate share of the Collective OPEB Amounts for employers that participate in the KERS Non-Hazardous and Hazardous Retirement Systems are provided in an appendix to this report. The allocation of the employers' proportionate share of the Net OPEB Liability and OPEB Expense was determined using the employers' actual contributions for the fiscal year ending June 30, 2019 for the KERS Hazardous fund. 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.

House Bill 265, passed during the 2018 legislative session, allowed certain employers within the KERS Non-Hazardous System to contribute less than the actuarially determined contribution in the 2018/2019 fiscal year. Because this is not expected to be an ongoing contribution reduction, determining the KERS Non-Hazardous employers' proportionate share based on the employers' actual contributions would not be reflective of the employers' long-term contribution effort. Instead, the proportionate share calculations for employers of the KERS Non-Hazardous System were based on the employers' covered payroll provided for fiscal year ending June 30, 2019, which would result in the same proportionate share allocation if all the participating employers contributed the same contribution rate. It is our opinion that this is reasonable and appropriate, and complies with applicable requirements under GASB No. 75.

Summary of Population Statistics

The total OPEB liability described in this report is based on the plan membership as of June 30, 2018:

Membership Status	<u>Non-Hazardous</u>	<u>Hazardous</u>
	(1)	(2)
Inactive plan members currently receiving benefits:	29,940	2,331
Inactive plan members entitled to but no yet receiving benefits:	5,971	288
Active plan members:	34,973	3,912
Total plan members:	70,884	6,531

Note, the membership counts for the health insurance funds are different than the membership counts for the retirement funds due to differences in vesting provisions and the coordination of delivery of health insurance benefits to members that have earned service in more than one system maintained by KRS.

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 2019 measurement period, the expected remaining service lives of all employees was the following for each retirement system and the average of the expected remaining service lives for purposes of recognizing the applicable deferred outflows and inflows of resources established in the 2019 measurement period.

Development of the Average Expected Remaining Service Life	<u>Non-Hazardous</u>	<u>Hazardous</u>
	(1)	(2)
Total expected remaining service lives of all employees (years):	340,073	40,947
Total plan members:	70,884	6,531
Average expected remaining service life (years):	4.80	6.27

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.

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 fully-insured premiums KRS pays for the Kentucky Employees’ Health Plan are blended rates based on the combined experience of active and retired members. Because the average cost of providing health care benefits to retirees under age 65 is higher than the average cost of providing health care benefits to all participants, there is an implicit employer subsidy for the non-Medicare eligible retirees.

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 retiree 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 does not pass through the trust, it is considered a benefit payment that was paid “as it came due”. For plans that use a blended premium structure, Illustrations B1-1 and B1-2 of Implementation Guide No. 2017-3 describe how a portion of the payments made on behalf of the active employees should be reclassified as benefit payments for retiree healthcare to reflect the retirees’ underlying claims costs. Adjusting the explicit health care costs for active employees and retirees by the implicit subsidy estimates provided in this report is equivalent to the reclassification described in the Implementation Guide.

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 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. The appendices in this report provide each employer’s implicit subsidy for the measurement period and each employer’s implicit subsidy for the year ending June 30, 2020.

SECTION 2

ACCOUNTING EXHIBITS

Exhibit 1

Schedule of the Employers' Net OPEB Liability as of June 30, 2019 (\$ in thousands)

System	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 ¹	Net OPEB Liability as a Percentage of Covered Payroll
(1)	(2)	(3)	(4)	(5)	(6)	(7)
KERS Non-Hazardous System	\$ 3,217,985	\$ 995,089	\$ 2,222,896	30.92%	\$ 1,515,953	146.63%
KERS Hazardous System	\$ 507,204	\$ 534,053	\$ (26,849)	105.29%	\$ 151,448	-17.73%

Note:

¹ Based on derived compensation for fiscal year ending 2019 using the provided employer contribution information.

Exhibit 2

Development of Single Discount Rate at June 30, 2019

	<u>KERS Non-Hazardous</u>	<u>KERS Hazardous</u>
Single Discount Rate	5.73%	5.66%
Long-Term Expected Rate of Return	6.25%	6.25%
Long-Term Municipal Bond Rate ¹	3.13%	3.13%

¹ Fixed-income municipal bonds with 20 years to maturity that include only federally tax-exempt municipal bonds as reported in Fidelity Index's "20-Year Municipal GO AA Index" as of June 28, 2019.

Exhibit 3

Schedule of Changes in the Employers' Net OPEB Liability for the Measurement Period Ending June 30, 2019 (\$ in thousands)

Change in the Net OPEB Liability	Measurement Period Ending June 30, 2019	
	KERS Non-Hazardous (1)	KERS Hazardous (2)
Total OPEB liability		
Service Cost	\$ 61,345	\$ 12,337
Interest	186,820	27,990
Benefit Changes	0	0
Difference between actual and expected experience	(302,189)	(30,947)
Assumption Changes	158,004	31,687
Benefit Payments ¹	(148,112)	(19,767)
Net Change in Total OPEB Liability	(44,132)	21,300
Total OPEB Liability - Beginning	3,262,117	485,904
Total OPEB Liability - Ending (a)	\$ 3,217,985	\$ 507,204
Plan Fiduciary Net Position		
Contributions - Employer ²	\$ 201,155	\$ 5,556
Contributions - Member	5,963	934
Benefit Payments ¹	(148,112)	(19,767)
Net Investment Income	45,749	28,373
Administrative Expense	(875)	(117)
Other ⁴	4	2
Net Change in Plan Fiduciary Net Position	103,884	14,981
Plan Fiduciary Net Position - Beginning	891,205	519,072
Plan Fiduciary Net Position - Ending (b)	\$ 995,089	\$ 534,053
Net OPEB Liability - Ending (a) - (b)	2,222,896	(26,849)
Plan Fiduciary Net Position as a Percentage of the Total OPEB Liability	30.92%	105.29%
Covered Payroll³	\$ 1,515,953	\$ 151,448
Net OPEB Liability as a Percentage of Covered Payroll	146.63%	-17.73%

¹ Includes expected benefits due to the implicit subsidy for members under age 65.

¹ Benefit payments are also offset by insurance premiums received from retirees, Medicare Drug Reimbursements, and Humana Gain Share Payments.

² Includes expected benefits due to the implicit subsidy for members under age 65.

³ Based on derived compensation for fiscal year ending 2019 using the provided employer contribution information.

⁴ Northern Trust Settlement

Exhibit 4

Schedule of the Employers' Contributions for the Measurement Period Ending June 30, 2019 (\$ in thousands)

System (1)	Actuarially Determined Contribution ¹ (2)	Total Employer Contributions ² (3)	Contribution Deficiency (Excess) (4)	Covered Employee Payroll ³ (5)	Actual Contributions as a Percentage of Covered Payroll (6)
KERS Non-Hazardous System	\$ 187,978	\$ 178,964	\$ 9,014	\$ 1,515,953	11.81%
KERS Hazardous System	\$ 3,726	\$ 4,970	\$ (1,244)	\$ 151,448	3.28%

Note:

¹ Actuarially determined contribution for fiscal year ending 2019 is based on the contribution rate calculated with the the June 30, 2017 actuarial valuation.

² Employer contributions do not include the expected implicit subsidy included in exhibit 3.

³ Based on derived compensation for fiscal year ending 2019 using the provided employer contribution information.

Notes to Schedule of Employers' Contributions

The actuarially determined contribution rates effective for fiscal year ending 2019 that are documented in the schedule on the previous page are calculated as of June 30, 2017. Based on the June 30, 2017 actuarial valuation report, the actuarial methods and assumptions used to calculate these contribution rates are below:

Item	KERS Non-Hazardous	KERS Hazardous
Determined by the Actuarial Valuation as of:	June 30, 2017	June 30, 2017
Actuarial Cost Method:	Entry Age Normal	Entry Age Normal
Asset Valuation Method:	20% of the difference between the market value of assets and the expected actuarial value of assets is recognized	20% of the difference between the market value of assets and the expected actuarial value of assets is recognized
Amortization Method:	Level Percent of Pay	Level Percent of Pay
Amortization Period:	26 Years, Closed	26 Years, Closed
Payroll Growth Rate:	0.00%	0.00%
Investment Return:	6.25%	6.25%
Inflation:	2.30%	2.30%
Salary Increases:	3.55% to 15.55%, varies by service	3.55% to 19.55%, varies by service
Mortality:	RP-2000 Combined Mortality Table, projected to 2013 with Scale BB (set back 1 year for females)	RP-2000 Combined Mortality Table, projected to 2013 with Scale BB (set back 1 year for females)
Healthcare Trend Rates (Pre-65)	Initial trend starting at 7.25% at January 1, 2019 and gradually decreasing to an ultimate trend rate of 4.05% over a period of 13 years.	Initial trend starting at 7.25% at January 1, 2019 and gradually decreasing to an ultimate trend rate of 4.05% over a period of 13 years.
Healthcare Trend Rates (Post-65)	Initial trend starting at 5.10% at January 1, 2019 and gradually decreasing to an ultimate trend rate of 4.05% over a period of 11 years.	Initial trend starting at 5.10% at January 1, 2019 and gradually decreasing to an ultimate trend rate of 4.05% over a period of 11 years.

Exhibit 5

Sensitivity of the Net OPEB Liability to Changes in the Discount Rate and Healthcare Trend Rate (\$ in thousands)

Table 1. Sensitivity of the Net OPEB Liability to Changes in the Discount Rate

System	1.00% Decrease (4.73% for Non-Hazardous) (4.66% for Hazardous)	Current Discount Rate (5.73% for Non-Hazardous) (5.66% for Hazardous)	1.00% Increase (6.73% for Non-Hazardous) (6.66% for Hazardous)
(1)	(2)	(3)	(4)
KERS Non-Hazardous System	\$ 2,646,823	\$ 2,222,896	\$ 1,873,916
KERS Hazardous System	\$ 45,103	\$ (26,849)	\$ (85,062)

Table 2. Sensitivity of the Net OPEB Liability to Changes in the Healthcare Cost Trend Rate

System	1.00% Decrease	Current Healthcare Cost Trend Rate	1.00% Increase
(1)	(2)	(3)	(4)
KERS Non-Hazardous System	\$ 1,888,500	\$ 2,222,896	\$ 2,627,402
KERS Hazardous System	\$ (78,110)	\$ (26,849)	\$ 35,527

Exhibit 6

Components of Aggregate OPEB Expense (Measurement Date of June 30, 2019)

Component (1)	KERS Non-Hazardous (2)	KERS Hazardous (3)
1. Total service cost:	\$ 61,345,054	\$ 12,337,043
2. Interest on total OPEB liability:	186,820,362	27,990,004
3. Current-period benefit changes:	0	0
4. Member contributions:	(5,962,720)	(933,542)
5. Projected earnings on plan investments:	(57,517,022)	(32,023,531)
6. Administrative expense:	874,737	117,133
7. Other:	(3,941)	(2,293)
8. Recognition of deferred outflows/ (inflows) due to liabilities: ¹	11,012,135	9,148,486
9. Recognition of deferred outflows/ (inflows) due to assets: ²	(8,379,458)	(7,228,021)
10. Total Aggregate OPEB Expense:	\$ 188,189,147	\$ 9,405,279

¹ Liability experience and assumption changes.

² Difference between projected and actual investment experience.

Exhibit 7a

Summary of Collective Deferred Outflows and Inflows of Resources Arising from Current and Prior Reporting Periods for the KERS Non-Hazardous Retirement System

Differences Between Expected and Actual Liability Experience

Year	Original Outflow/(Inflow)	Deferred Outflow/(Inflow) as of June 30, 2019	Recognition Period (Years)	Increase/(Decrease) in OPEB Expense Arising from the Recognition of the Effects of Differences Between Expected and Actual Liability Experience						
				2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	Thereafter
2016-2017	(3,920,786)	(1,573,010)	5.01	(782,592)	(782,592)	(782,592)	(7,826)	-	-	-
2017-2018	(191,148,173)	(113,760,249)	4.94	(38,693,962)	(38,693,962)	(38,693,962)	(36,372,325)	-	-	-
2018-2019	(302,189,376)	<u>(239,233,256)</u>	4.80	<u>(62,956,120)</u>	<u>(62,956,120)</u>	<u>(62,956,120)</u>	<u>(62,956,120)</u>	<u>(50,364,896)</u>	-	-
		(354,566,515)		(102,432,674)	(102,432,674)	(102,432,674)	(99,336,271)	(50,364,896)	-	-

Differences Between Projected and Actual Earnings on OPEB Plan Investments

Year	Original Outflow/(Inflow)	Deferred Outflow/(Inflow) as of June 30, 2019	Recognition Period (Years)	Increase/(Decrease) in OPEB Expense Arising from the Recognition of the Effects of Differences Between Projected and Actual Earnings on OPEB Plan Investments						
				2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	Thereafter
2016-2017	(41,028,840)	(16,411,536)	5.00	(8,205,768)	(8,205,768)	(8,205,768)	-	-	-	-
2017-2018	(12,636,398)	(7,581,838)	5.00	(2,527,280)	(2,527,280)	(2,527,280)	(2,527,278)	-	-	-
2018-2019	11,767,948	<u>9,414,358</u>	5.00	<u>2,353,590</u>	<u>2,353,590</u>	<u>2,353,590</u>	<u>2,353,590</u>	<u>2,353,588</u>	-	-
		(14,579,016)		(8,379,458)	(8,379,458)	(8,379,458)	(173,688)	2,353,588	-	-

Effects of Changes of Assumptions

Year	Original Outflow/(Inflow)	Deferred Outflow/(Inflow) as of June 30, 2019	Recognition Period (Years)	Increase/(Decrease) in OPEB Expense Arising from the Recognition of the Effects of Changes of Assumptions						
				2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	Thereafter
2016-2017	414,835,550	166,431,029	5.01	82,801,507	82,801,507	82,801,507	828,015	-	-	-
2017-2018	(11,234,640)	(6,686,202)	4.94	(2,274,219)	(2,274,219)	(2,274,219)	(2,137,764)	-	-	-
2018-2019	158,004,101	<u>125,086,580</u>	4.80	<u>32,917,521</u>	<u>32,917,521</u>	<u>32,917,521</u>	<u>32,917,521</u>	<u>26,334,017</u>	-	-
		284,831,407		113,444,809	113,444,809	113,444,809	31,607,772	26,334,017	-	-

Exhibit 7b

Summary of Collective Deferred Outflows and Inflows of Resources Arising from Current and Prior Reporting Periods for the KERS Hazardous Retirement System

Differences Between Expected and Actual Liability Experience

Year	Original Outflow/(Inflow)	Deferred Outflow/(Inflow) as of June 30, 2019	Recognition Period (Years)	Increase/(Decrease) in OPEB Expense Arising from the Recognition of the Effects of Differences Between Expected and Actual Liability Experience						
				2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	Thereafter
2016-2017	(1,029,090)	(538,269)	6.29	(163,607)	(163,607)	(163,607)	(163,607)	(47,448)	-	-
2017-2018	(31,240,284)	(21,385,304)	6.34	(4,927,490)	(4,927,490)	(4,927,490)	(4,927,490)	(4,927,490)	(1,675,344)	-
2018-2019	(30,947,022)	<u>(26,011,293)</u>	6.27	<u>(4,935,729)</u>	<u>(4,935,729)</u>	<u>(4,935,729)</u>	<u>(4,935,729)</u>	<u>(4,935,729)</u>	<u>(4,935,729)</u>	<u>(1,332,648)</u>
		(47,934,866)		(10,026,826)	(10,026,826)	(10,026,826)	(10,026,826)	(9,910,667)	(6,611,073)	(1,332,648)

Differences Between Projected and Actual Earnings on OPEB Plan Investments

Year	Original Outflow/(Inflow)	Deferred Outflow/(Inflow) as of June 30, 2019	Recognition Period (Years)	Increase/(Decrease) in OPEB Expense Arising from the Recognition of the Effects of Differences Between Projected and Actual Earnings on OPEB Plan Investments						
				2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	Thereafter
2016-2017	(26,997,552)	(10,799,022)	5.00	(5,399,510)	(5,399,510)	(5,399,512)	-	-	-	-
2017-2018	(12,793,867)	(7,676,321)	5.00	(2,558,773)	(2,558,773)	(2,558,773)	(2,558,775)	-	-	-
2018-2019	3,651,309	<u>2,921,047</u>	5.00	<u>730,262</u>	<u>730,262</u>	<u>730,262</u>	<u>730,262</u>	<u>730,261</u>	-	-
		(15,554,296)		(7,228,021)	(7,228,021)	(7,228,023)	(1,828,513)	730,261	-	-

Effects of Changes of Assumptions

Year	Original Outflow/(Inflow)	Deferred Outflow/(Inflow) as of June 30, 2019	Recognition Period (Years)	Increase/(Decrease) in OPEB Expense Arising from the Recognition of the Effects of Changes of Assumptions						
				2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	Thereafter
2016-2017	89,401,184	46,761,509	6.29	14,213,225	14,213,225	14,213,225	14,213,225	4,121,834	-	-
2017-2018	(581,104)	(397,790)	6.34	(91,657)	(91,657)	(91,657)	(91,657)	(91,657)	(31,162)	-
2018-2019	31,686,975	<u>26,633,231</u>	6.27	<u>5,053,744</u>	<u>5,053,744</u>	<u>5,053,744</u>	<u>5,053,744</u>	<u>5,053,744</u>	<u>5,053,744</u>	<u>1,364,511</u>
		72,996,950		19,175,312	19,175,312	19,175,312	19,175,312	9,083,921	5,022,582	1,364,511

Exhibit 8

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

Period	KERS Non-Hazardous	KERS Hazardous
(1)	(2)	(3)
1. Fiscal Year + 1	\$ 2,632,677	\$ 1,920,465
2. Fiscal Year + 2	2,632,677	1,920,463
3. Fiscal Year + 3	(67,902,187)	7,319,973
4. Fiscal Year + 4	(21,677,291)	(96,485)
5. Fiscal Year + 5	-	(1,588,491)
6. Thereafter	-	31,863
7. Total	\$ (84,314,124)	\$ 9,507,788

Note: The deferred outflow and inflow of resources that are projected to be recognized in future OPEB expense shown in the table above are for the established bases that are allocated in proportionate share to the participating employers in the System and do not include bases established for individual employers attributable to changes in proportionate shares and differences between employer contributions and the proportionate share of plan contributions.

SECTION 3

DOCUMENTATION OF SUPPORT FOR INVESTMENT RETURN ASSUMPTION

Long-Term Expected Investment Return

The long-term expected rate of return was determined by using a building block method in which best estimate ranges of expected future real rates of returns are developed for each asset class. The ranges are combined by weighting the expected future real rate of return by the target asset allocation percentage. The target allocation and best estimates of arithmetic real rate of return for each major asset class is summarized in the table below. The current long term inflation assumption is 2.30% per annum for both the non-hazardous and hazardous system.

Applicable for the Non-Hazardous and Hazardous System

Asset Class	Target Allocation	Long-Term Expected Real Rate of Return
Growth	62.50%	
US Equity	18.75%	4.30%
Non-US Equity	18.75%	4.80%
Private Equity	10.00%	6.65%
Specialty Credit/High Yield	15.00%	2.60%
Liquidity	14.50%	
Core Bonds	13.50%	1.35%
Cash	1.00%	0.20%
Diversifying Strategies	23.00%	
Real Estate	5.00%	4.85%
Opportunistic	3.00%	2.97%
Real Return	15.00%	4.10%

Source: Kentucky Retirement Systems

APPENDIX A

COLLECTIVE OPEB AMOUNTS – KERS NON-HAZARDOUS SYSTEM

**Appendix A: Collective OPEB Amounts
for KERS Non-Hazardous System**

Participating Employer Code	Participating Employer Name	Employer Contributions for FYE June 30, 2019			Net OPEB Liability as of June 30, 2019							OPEB Expense					
		2019 Proportionate Share	2018 Proportionate Share	FY 18/19 Salary	Employer Contributions	Implicit Subsidy	Total Contributions	Discount Rate 5.73%	Discount Rate Less 1.00% 4.73%	Discount Rate Plus 1.00% 6.73%	Health Care Trend Rate 1% Decrease	Health Care Trend Rate 1% Increase	Proportionate Share of Aggregate Plan OPEB Expense	Deferred Amounts from Changes in Proportion & Differences Between Employer Contrib. & Proportionate Share of Plan Contributions	Gross Employer OPEB Expense	Proportionate Share of Nonemployer Contributions	Net Employer OPEB Expense
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)
1430	EASTERN KY UNIV	1.077316%	1.449589%	15,757,726	1,325,225	239,070	1,564,295	23,947,615	28,514,651	20,187,992	20,345,112	28,305,421	2,027,392	(3,391,251)	(1,363,859)	-	(1,363,859)
1433	KET FOUNDATION	0.123873%	0.112157%	1,811,873	152,379	27,489	179,868	2,753,568	3,278,699	2,321,275	2,339,342	3,254,642	233,116	17,525	250,641	-	250,641
1434	KY BAR ASSOCIATION	0.000000%	0.153024%	-	-	-	-	-	-	-	-	-	-	(755,957)	(755,957)	-	(755,957)
1435	CHILD WATCH ADVOCACY CTR	0.014597%	0.013201%	213,508	17,956	3,239	21,195	324,476	386,357	273,535	275,664	383,522	27,470	7,654	35,124	-	35,124
1436	LOTUS	0.054039%	0.039397%	790,421	66,474	11,992	78,466	1,201,231	1,430,317	1,012,645	1,020,526	1,419,822	101,696	89,792	191,488	-	191,488
1437	SANCTUARY INC	0.042966%	0.042935%	628,451	52,853	9,535	62,388	955,090	1,137,234	805,147	811,413	1,128,889	80,857	45,600	126,457	-	126,457
1438	O A S I S	0.043048%	0.040046%	629,654	52,954	9,553	62,507	956,912	1,139,404	806,683	812,961	1,131,044	81,012	(3,942)	77,070	-	77,070
1439	BARREN RIVER CHILD ADVOCA	0.006933%	0.011824%	101,412	8,529	1,539	10,068	154,113	183,504	129,919	130,930	183,504	13,047	(18,210)	(5,163)	-	(5,163)
1440	MOREHEAD STATE UNIVERSITY	0.367191%	0.529429%	5,370,840	451,688	81,484	533,172	8,162,274	9,718,897	6,880,849	6,934,402	9,647,583	691,014	(1,127,724)	(436,710)	-	(436,710)
1445	MURRAY STATE UNIV	0.830936%	0.888860%	12,153,969	1,022,149	184,395	1,206,544	18,470,844	21,993,407	15,571,039	15,692,226	21,832,028	1,563,731	(293,383)	1,270,348	-	1,270,348
1450	NORTHERN KY UNIVERSITY	2.335187%	2.302178%	34,156,404	2,872,554	518,208	3,390,762	51,908,780	61,808,273	43,759,432	44,100,005	61,354,747	4,394,568	(454,535)	3,940,033	-	3,940,033
1451	SILVERLEAF	0.027707%	0.022513%	405,261	34,082	6,149	40,231	615,898	733,255	519,206	523,247	727,974	52,142	39,638	91,780	-	91,780
1452	SPRINGHAVEN INC	0.031753%	0.024967%	464,446	39,060	7,046	46,106	705,836	840,446	595,024	599,655	834,279	59,756	29,669	89,425	-	89,425
1453	SAFE HARBOR	0.048329%	0.043203%	706,905	59,451	10,725	70,176	1,074,303	1,279,183	905,645	912,693	1,269,797	90,950	37,806	128,756	-	128,756
1454	D.O.V.E.S.	0.029621%	0.022754%	433,266	36,438	6,573	43,011	658,444	784,016	555,073	559,393	778,263	56,474	112,218	168,692	-	168,692
1455	GATEWAY CHILD ADVOCACY	0.002324%	0.002688%	34,000	2,859	516	3,375	51,660	61,512	43,550	43,889	61,061	4,374	(8,359)	(3,985)	-	(3,985)
1456	JUDI'S PLACE FOR KIDS, INC.	0.022743%	0.019652%	332,657	27,976	5,047	33,023	505,553	601,967	426,185	429,502	597,550	42,800	40,908	83,708	-	83,708
1457	KY RIVER CHILD ADVOCACY	0.006668%	0.005652%	97,527	8,202	1,480	9,682	148,223	176,490	124,953	125,925	175,195	12,548	(190)	12,358	-	12,358
1458	BLUEGRASS RAPE CRISIS CTR	0.045172%	0.045787%	660,720	55,567	10,024	65,591	1,004,127	1,195,623	846,485	853,073	1,186,850	85,009	7,780	92,789	-	92,789
1459	NURSING HOME OMBUDSMAN	0.016093%	0.016275%	235,384	19,796	3,571	23,367	357,731	425,953	301,569	303,916	422,828	30,285	(5,021)	25,264	-	25,264
1465	WESTERN KENTUCKY UNIV	1.127716%	1.256789%	16,494,924	1,387,223	250,254	1,637,477	25,067,955	29,848,650	21,132,445	21,296,916	29,629,631	2,122,239	(1,026,362)	1,095,877	-	1,095,877
1480	KASAP	0.031393%	0.028412%	459,182	38,617	6,967	45,584	697,834	830,917	588,278	592,857	824,820	59,078	26,642	85,720	-	85,720
1481	KDVA	0.056427%	0.048364%	825,347	69,412	12,522	81,934	1,254,314	1,493,523	1,057,394	1,065,624	1,482,564	106,189	42,964	149,153	-	149,153
1482	KACAC	0.000000%	0.000000%	-	-	-	-	-	-	-	-	-	-	(12,546)	(12,546)	-	(12,546)
1483	PENNYRILE CHILD ADV CTR	0.010316%	0.010303%	150,894	12,690	2,289	14,979	229,314	273,406	193,313	194,818	271,043	19,414	2,286	21,700	-	21,700
1484	BUFFALO TR CHILD ADV INC	0.005691%	0.006238%	83,242	7,001	1,263	8,264	126,505	150,631	106,645	107,475	149,525	10,710	(2,808)	7,902	-	7,902
1485	CUMBERLAND V C A CENTER	0.020124%	0.015021%	294,352	24,755	4,466	29,221	447,336	532,647	377,107	380,042	528,738	37,871	32,355	70,226	-	70,226
1486	LAKE CUMB CHILD ADV CTR	0.012198%	0.011632%	178,425	15,006	2,707	17,713	271,149	322,860	228,580	230,359	320,490	22,955	14,675	37,630	-	37,630
1487	B.R.A.S.S.	0.048747%	0.047343%	713,021	59,965	10,818	70,783	1,083,595	1,290,247	913,478	920,587	1,280,780	91,737	27,396	119,133	-	119,133
1488	WOMEN AWARE	0.014736%	0.015460%	215,538	18,127	3,270	21,397	327,566	390,036	276,140	278,289	387,174	27,732	(5,141)	22,591	-	22,591
1489	BETHANY HOUSE ABUSE SHEL	0.033230%	0.030887%	486,045	40,876	7,374	48,250	738,668	879,539	622,702	627,549	873,086	62,535	13,891	76,426	-	76,426
1490	HOPE HARBOR INC	0.021992%	0.024175%	321,674	27,053	4,880	31,933	488,859	582,089	412,112	415,319	577,818	41,387	30,185	71,572	-	71,572
1491	CHILD ADV CTR OF GRN RVR	0.010033%	0.010556%	146,752	12,342	2,226	14,568	223,023	265,556	188,010	189,473	263,607	18,881	(2,876)	16,005	-	16,005
1492	CSG HEADQUARTERS	0.061123%	0.270720%	3,819,400	321,212	57,947	379,159	5,804,493	6,911,464	4,893,224	4,931,308	6,860,751	491,405	(235,438)	255,967	-	255,967
1994	KY HIGHER ED STUD LN CORP	0.819901%	0.849297%	11,992,554	1,008,574	181,946	1,190,520	18,225,547	21,701,331	15,364,252	15,483,830	21,542,094	1,542,965	(218,561)	1,324,404	-	1,324,404
3022	LEX FAYETTE CO HLTH DEPT	0.445051%	0.425616%	6,509,684	547,464	98,762	646,226	9,893,021	11,779,713	8,339,880	8,404,788	11,693,278	837,538	49,199	886,737	-	886,737
3023	LAKE CUMBERLAND DISTRICT	0.395310%	0.403708%	5,782,137	486,278	87,724	574,002	8,787,330	10,463,157	7,407,775	7,465,429	10,386,382	743,931	(126,970)	616,961	-	616,961
3024	WEDCO DIST HEALTH DEPT	0.195031%	0.202043%	2,852,691	239,911	43,280	283,191	4,335,336	5,162,126	3,654,716	3,683,160	5,124,248	367,027	11,109	378,136	-	378,136
3025	NORTHERN KY DIST HLTH DEP	0.447936%	0.437947%	6,551,882	551,013	99,403	650,416	9,957,152	11,856,074	8,393,942	8,459,271	11,769,079	842,967	15,298	858,265	-	858,265
3026	BARREN RVR DIST HLTH DEPT	0.371160%	0.400454%	5,428,899	456,570	82,365	538,935	8,250,501	9,823,949	6,955,225	7,009,356	9,751,865	698,483	(229,263)	469,220	-	469,220
3027	GREEN RVR DIST HLTH DEPT	0.444576%	0.428620%	6,502,737	546,880	98,657	645,537	9,882,462	11,767,141	8,330,979	8,395,817	11,680,798	836,644	48,407	885,051	-	885,051
3028	LINCOLN TRL DIST HLTH DEP	0.246685%	0.242624%	3,608,214	303,451	54,743	358,194	5,483,551	6,529,316	4,622,669	4,658,646	6,481,406	464,234	2,910	467,144	-	467,144
3029	PURCHASE DIST HLTH DEPT	0.142526%	0.142723%	2,084,701	175,323	31,628	206,951	3,168,205	3,772,411	2,670,817	2,691,603	3,744,731	268,218	(36,974)	231,244	-	231,244
3030	MERCER CO HEALTH DEPT	0.046946%	0.045231%	686,674	57,749	10,418	68,167	1,043,561	1,242,578	879,728	886,575	1,233,460	88,347	(28,026)	60,321	-	60,321
3031	CUMBERLAND VLY DIST HEALT	0.183766%	0.208851%	2,687,911	226,053	40,780	266,833	4,084,927	4,863,961	3,443,620	3,470,421	4,828,271	345,828	(193,967)	151,861	-	151,861
3033	KY RIVER DIST HEALTH DEPT	0.213613%	0.253722%	3,124,485	262,769	47,403	310,172	4,748,395	5,653,959	4,002,927	4,034,081	5,612,472	401,996	(348,960)	53,036	-	53,036
3034	BOURBON CO HEALTH CENTER	0.037295%	0.037470%	545,514	45,878	8,276	54,154	829,029	987,133	698,877	704,316	979,890	70,185	(44)	70,141	-	70,141
3035	CLARK CO HEALTH DEPT	0.129132%	0.144714%	1,888,794	158,848	28,656	187,504	2,870,470	3,417,896	2,419,825	2,438,658	3,392,817	243,012	(79,859)	163,153	-	163,153
3036	GATEWAY DIST HEALTH DEPT	0.145660%	0.126014%	2,130,543	179,179	32,324	211,503	3,237,870	3,855,363	2,729,545	2,750,789	3,827,074	274,116	122,651	396,767	-	396,767
3037	BOYLE CO HEALTH DEPT	0.037696%	0.037452%	551,376	46,371	8,365	54,736	837,943	997,747	706,391	711,889	990,425	70,940	(5,558)	65,382	-	65,382
3038	PIKE CO HEALTH DEPT	0.140022%	0.147521%	2,048,075	172,243	31,073	203,316	3,112,544	3,706,135	2,623,894	2,644,315	3,678,941	263,506	(145,109)	118,		

**Appendix A: Collective OPEB Amounts
for KERS Non-Hazardous System**

Participating Employer Code	Participating Employer Name	2019			Employer Contributions for FYE June 30, 2019			Net OPEB Liability as of June 30, 2019					OPEB Expense				
		Proportionate Share	Proportionate Share	FY 18/19 Salary	Employer Contributions	Implicit Subsidy	Total Contributions	Discount Rate 5.73%	Discount Rate Less 1.00% 4.73%	Discount Rate Plus 1.00% 6.73%	Health Care Trend Rate 1% Decrease	Health Care Trend Rate 1% Increase	Proportionate Share of Aggregate Plan OPEB Expense	Deferred Amounts from Changes in Proportion & Differences Between Employer Contrib. & Proportionate Share of Plan Contributions	Gross Employer OPEB Expense	Proportionate Share of Nonemployer Contributions	Net Employer OPEB Expense
		(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)
3086	GRAYSON COUNTY HEALTH DEPT	0.034144%	0.033416%	499,426	42,002	7,577	49,579	758,986	903,731	639,830	644,809	897,100	64,255	837	65,092	-	65,092
3087	HARLAN CO HEALTH DEPT	0.063578%	0.067787%	929,946	78,208	14,109	92,317	1,413,273	1,682,797	1,191,398	1,200,670	1,670,450	119,647	(19,389)	100,258	-	100,258
3088	KARTER CO HEALTH DEPT	0.023713%	0.027112%	346,849	29,170	5,262	34,432	527,115	627,641	444,362	447,820	623,036	44,625	(43,420)	1,205	-	1,205
3801	KENTUCKY STATE UNIVERSITY	0.297920%	0.227672%	4,357,622	366,476	66,112	432,588	6,622,452	7,885,416	5,582,769	5,626,219	7,827,556	560,653	217,538	778,191	-	778,191
5470	KCTCS	1.366180%	1.439482%	19,982,901	1,680,562	303,173	1,983,735	30,368,762	36,160,370	25,601,059	25,800,308	35,895,039	2,571,002	(890,404)	1,680,598	-	1,680,598
7403	ASST OF COMMONWEALTH ATTY	0.066887%	0.063268%	978,342	82,279	14,843	97,122	1,486,828	1,770,381	1,253,406	1,263,161	1,757,390	125,874	(445)	125,429	-	125,429
7407	KENTUCKY HOUSING CORP	0.703488%	0.784687%	10,289,808	865,373	156,113	1,021,486	15,637,807	18,620,084	13,182,771	13,285,370	18,483,457	1,323,888	(446,715)	877,173	-	877,173
7408	FRANKLIN CO COUNCIL AGING	0.008351%	0.008039%	122,142	10,272	1,853	12,125	185,634	221,036	156,491	157,709	219,414	15,716	(5,257)	10,459	-	10,459
7409	MUN ELEC POW ASSOC OF KY	0.009272%	0.008756%	135,616	11,405	2,058	13,463	206,107	245,413	173,749	175,102	243,613	17,449	3,016	20,465	-	20,465
7410	COMMONWEALTH CREDIT UNION	0.000000%	0.000000%	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7415	HIGHSCHOOL ATHLETIC ASSOC	0.015360%	0.022527%	224,665	18,894	3,409	22,303	341,437	406,552	287,833	290,074	403,569	28,906	(56,444)	(27,538)	-	(27,538)
7416	KY OFFICE OF BAR ADMISSIO	0.013804%	0.013210%	201,910	16,981	3,063	20,044	306,849	365,367	258,675	260,689	362,687	25,978	2,867	28,845	-	28,845
7417	KY ASSOC OF REGIONAL PROG	0.008119%	0.008423%	118,750	9,987	1,802	11,789	180,477	214,896	152,143	153,327	213,319	15,279	(8,429)	6,850	-	6,850
7718	MASTER COMM BOONE CO	0.011904%	0.012601%	174,123	21,591	2,642	24,233	264,614	315,078	223,071	224,807	312,766	22,402	(3,440)	18,962	-	18,962
7720	MASTER COMM CAMPBELL CO	0.007626%	0.007382%	111,547	13,832	1,692	15,524	169,518	201,847	142,905	144,017	200,366	14,351	1,138	15,489	-	15,489
7724	MASTER COMM CHRISTIAN CO	0.002599%	0.002408%	38,016	4,714	577	5,291	57,773	68,791	48,703	49,082	68,286	4,891	3,228	8,119	-	8,119
7725	MASTER COMM CLARK CO	0.001493%	0.001428%	21,834	2,707	331	3,038	33,188	39,517	27,978	28,195	39,227	2,810	590	3,402	-	3,402
7727	MASTER COMM CLINTON/CUMBE	0.002653%	0.002051%	38,800	4,811	589	5,400	58,973	70,220	49,715	50,102	69,705	4,993	4,751	9,744	-	9,744
7730	MASTER COMM DAVIESS CO	0.007420%	0.007021%	108,524	13,457	1,647	15,104	164,939	196,394	139,045	140,127	194,953	13,964	(9,781)	4,183	-	4,183
7734	MASTER COMM FAYETTE CO	0.014545%	0.013661%	212,741	26,380	3,228	29,608	323,320	384,980	272,561	274,682	382,156	27,372	2,908	30,280	-	30,280
7740	MASTER COMM GARRARD CO	0.001326%	0.001217%	19,394	2,405	294	2,699	29,476	34,097	24,848	25,042	34,839	2,495	522	3,017	-	3,017
7741	MASTER COMM GRANT CO	0.004973%	0.005655%	72,739	9,020	1,104	10,124	110,545	131,627	93,190	93,915	130,661	9,359	(4,719)	4,640	-	4,640
7743	MASTER COMM GRAYSON CO	0.002260%	0.003467%	33,063	4,100	502	4,602	50,237	59,818	42,350	42,680	59,379	4,253	(5,860)	(1,607)	-	(1,607)
7747	MASTER COMM HARDIN CO	0.011576%	0.009982%	169,324	20,996	2,569	23,565	257,322	306,396	216,924	218,613	304,148	21,785	8,117	29,902	-	29,902
7750	MASTER COMMISSIONER HART COUNTY	0.001816%	0.002617%	26,569	3,295	403	3,698	40,368	48,066	34,030	34,295	47,714	3,418	5,594	9,012	-	9,012
7751	MASTER COMM HENDERSON CO	0.000000%	0.000638%	-	-	-	-	-	-	-	-	-	-	(7,132)	(7,132)	-	(7,132)
7752	HENRY/ TRIMBLE MASTER COM	0.004729%	0.000000%	69,167	8,577	1,049	9,626	105,121	125,168	88,617	89,307	124,250	8,899	22,882	31,781	-	31,781
7753	MASTER COMM HOPKINS CO	0.006133%	0.005524%	89,703	11,123	1,361	12,484	136,330	162,330	114,927	115,822	161,139	11,542	2,538	14,080	-	14,080
7756	MASTER COMM JEFF CIRCUIT	0.033186%	0.029283%	485,403	60,190	7,364	67,554	737,690	878,375	621,878	626,718	871,930	62,452	12,338	74,790	-	74,790
7757	MASTER COMMISSIONER OF JESSAMINE COUNTY	0.006820%	0.006242%	99,758	12,370	1,513	13,883	151,602	180,513	127,801	128,796	179,189	12,834	1,404	14,238	-	14,238
7759	MASTER COMM KENTON CO	0.013098%	0.013046%	191,588	23,757	2,907	26,664	291,155	346,681	245,445	247,356	344,137	24,649	2,023	26,672	-	26,672
7763	MASTER COMM LAUREL CO	0.004649%	0.004776%	68,000	8,432	1,032	9,464	103,342	123,051	87,118	87,796	122,148	8,749	(636)	8,113	-	8,113
7773	MASTER COMM MCCracken CO	0.007025%	0.006864%	102,756	12,742	1,559	14,301	156,158	185,939	131,643	132,667	184,575	13,220	(384)	12,836	-	12,836
7776	MASTER COMM MADISON CO	0.007167%	0.006943%	104,831	12,999	1,590	14,589	159,315	189,698	134,304	135,349	188,306	13,488	1,048	14,536	-	14,536
7781	MASTER COMM MASON CO	0.000000%	0.000000%	-	-	-	-	-	-	-	-	-	-	(10,741)	(10,741)	-	(10,741)
7782	MASTER COMM MEADE CO	0.005793%	0.004888%	84,726	10,506	1,286	11,792	128,772	153,330	108,556	109,401	152,205	10,902	1,488	12,390	-	12,390
7790	MASTER COMM NELSON CO	0.006127%	0.006115%	89,617	11,113	1,360	12,473	136,197	162,171	114,815	115,708	160,981	11,530	28	11,558	-	11,558
7792	MASTER COMM OHIO COUNTY	0.000000%	0.000000%	-	-	-	-	-	-	-	-	-	-	(3,646)	(3,646)	-	(3,646)
7793	MASTER COMM OLDAHAM CO	0.006182%	0.005980%	90,417	11,212	1,372	12,584	137,419	163,627	115,845	116,747	162,426	11,634	1,789	13,423	-	13,423
7794	MASTER COMM OWEN CO	0.002670%	0.001628%	39,053	4,843	593	5,436	59,351	70,670	50,034	50,423	70,152	5,025	6,034	11,059	-	11,059
7798	MASTER COMM PIKE CO	0.005970%	0.005529%	87,316	10,827	1,325	12,152	132,707	158,015	111,873	112,743	156,856	11,235	2,105	13,340	-	13,340
7799	MASTER COMM FOR FLEMING	0.000562%	0.000898%	8,224	1,020	125	1,145	12,493	14,875	10,531	10,613	14,766	1,058	(5,424)	(4,366)	-	(4,366)
7805	MASTER COMM SCOTT CO	0.007381%	0.007484%	107,965	13,388	1,638	15,026	164,072	195,362	138,314	139,390	193,929	13,890	(515)	13,375	-	13,375
7807	MASTER COMM SIMPSON CO	0.004455%	0.002811%	65,167	8,081	989	9,070	99,030	117,916	83,483	84,133	117,051	8,384	8,426	16,810	-	16,810
7814	MASTER COMM WARREN CO	0.010003%	0.009905%	146,314	18,143	2,220	20,363	222,356	264,762	187,448	188,907	262,819	18,825	420	19,245	-	19,245
7817	LOGAN CO MASTER COM	0.003504%	0.002558%	51,250	6,355	778	7,133	77,890	92,745	65,662	66,173	92,064	6,594	5,773	12,367	-	12,367
7819	MASTER COMM FLOYD CO	0.001812%	0.003467%	26,500	3,286	402	3,688	40,279	47,960	33,955	34,220	47,609	3,410	(8,028)	(4,618)	-	(4,618)
7820	MASTER COMM BARREN CO	0.004254%	0.005588%	62,226	7,716	944	8,660	94,562	112,596	79,716	80,337	111,770	8,006	(5,085)	2,921	-	2,921
7821	MASTER COMM MUHLENBERG CO	0.005144%	0.003917%	75,244	9,330	1,142	10,472	114,346	136,153	96,394	97,144	135,154	9,680	10,545	20,225	-	20,225
8202	NORTHERN KY REG MHMR BD	0.010160%	0.253972%	148,611	12,498	2,255	14,753	225,846	268,917	190,390	191,872	266,944	19,120	(1,166,620)	(1,147,500)	-	(1,147,500)
8204	COMMUNICARE INC	0.397388%	0.441472%	5,812,533	488,834	88,185	577,019	8,833,522	10,518,158	7,446,715	7,504,672	10,440,980	747,841	(668,523)	79,318	-	79,318
8205	ADANTA/BEHAVIORAL HLTH SR	0.413399%	0.450593%	6,046,718	508,529	91,738	600,267	9,189,430	10,941,941	7,746,748	7,807,040	10,861,653	777,972	(955,790)	(177,818)	-	(177,818)
8208	CUMBERLAND RIVER MHMR	0.814249%	0.849709%	11,909,884	1,001,621	180,692	1,182,313	18,099,909	21,551,732	15,258,338	15,377,092	21,393,593	1,112,597	(419,731)	1,112,597	-	1,112,597
8209	WESTERN KY REG MHMR ADV	0.247313%	0.254375%	3,617,401	304,223	54,882	359,105	5,497,511	6,545,938	4,634,437	4,670,506	6,497,906	465,416	(174,031)	291,385	-	291,385

Appendix A: Collective OPEB Amounts for KERS Non-Hazardous System

Participating Employer Code	Participating Employer Name	2019			Employer Contributions for FYE June 30, 2019			Net OPEB Liability as of June 30, 2019					OPEB Expense				
		Proportionate Share	Proportionate Share	FY 18/19 Salary	Employer Contributions	Implicit Subsidy	Total Contributions	Discount Rate 5.73%	Discount Rate Less 1.00% 4.73%	Discount Rate Plus 1.00% 6.73%	Health Care Trend Rate 1% Decrease	Health Care Trend Rate 1% Increase	Proportionate Share of Aggregate Plan OPEB Expense	Deferred Amounts from Differences in Proportion & Changes in Proportionate Share of Plan Contributions	Gross Employer OPEB Expense	Proportionate Share of Nonemployer Contributions	Net Employer OPEB Expense
		(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)
31205	KY LANDSCAPE ARCH REG BD	0.001679%	0.001608%	24,565	3,046	373	3,419	37,322	44,440	31,463	31,708	44,114	3,160	458	3,618	-	3,618
31215	BD EXAMINERS OF SOCIAL WK	0.008219%	0.008442%	120,211	14,906	1,824	16,730	182,700	217,542	154,017	155,216	215,946	15,467	(7,371)	8,096	-	8,096
31225	BD OF HAIRDRESSERS/CSMTG	0.032363%	0.030590%	473,371	58,698	7,182	65,880	719,396	856,591	606,455	611,175	850,306	60,904	21,525	82,429	-	82,429
31245	BD OF MEDICAL LICENSURE	0.048408%	0.045206%	708,053	87,799	10,742	98,541	1,076,060	1,281,274	907,125	914,185	1,271,873	91,099	17,401	108,500	-	108,500
31250	BOARD OF NURSING	0.164064%	0.168906%	2,399,737	297,567	36,408	333,975	3,646,972	4,342,484	3,074,421	3,098,349	4,310,621	308,751	(31,277)	277,474	-	277,474
31260	BOARD OF OPTOMETRIC EXM	0.004902%	0.004691%	71,705	8,891	1,088	9,979	108,966	129,747	91,859	92,574	128,795	9,225	995	10,220	-	10,220
31263	KY RESPIRATORY CARE BD	0.006031%	0.005707%	88,212	10,938	1,338	12,276	134,063	159,630	113,016	113,895	158,459	11,350	(881)	10,469	-	10,469
31268	PERSONNEL BOARD	0.021465%	0.020175%	313,971	38,932	4,763	43,695	477,145	568,141	402,236	405,367	563,972	40,395	13,496	53,891	-	53,891
31270	KY BOARD OF PHARMACY	0.067249%	0.064414%	983,645	121,972	14,923	136,895	1,494,875	1,779,962	1,260,189	1,269,997	1,766,901	126,555	58,379	184,934	-	184,934
31275	BD OF PHYSICAL THERAPY	0.008316%	0.006983%	121,637	15,083	1,845	16,928	184,856	220,110	155,835	157,048	218,495	15,650	874	16,524	-	16,524
31284	BOARD OF REAL ESTATE APPR	0.000000%	0.000000%	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31290	BD OF PROF ENGINEERS & LA	0.035035%	0.034596%	512,458	63,545	7,775	71,320	778,792	927,315	656,526	661,636	920,510	65,932	(34,776)	51,156	-	51,156
31345	SCHOOL FAC CONSTR COMM	0.012005%	0.011488%	175,599	21,774	2,664	24,438	266,859	317,751	224,964	226,714	315,420	22,592	4,142	26,734	-	26,734
31354	EXECUTIVE BRANCH ETH COMM	0.018892%	0.017073%	276,335	34,266	4,192	38,458	419,950	500,038	354,020	356,775	496,639	35,553	6,234	41,787	-	41,787
31370	COMMISSION ON HUMAN RIGHT	0.061164%	0.061163%	894,640	110,935	13,573	124,508	1,359,612	1,618,903	1,146,162	1,155,082	1,607,024	115,104	(10,820)	104,284	-	104,284
31395	COMMISSION - REAL ESTATE	0.000000%	0.000000%	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31400	COMMISSION ON WOMEN	0.000269%	0.006182%	3,938	488	60	548	5,980	7,120	5,041	5,080	7,068	506	(28,100)	(27,594)	-	(27,594)
31415	KY COUNCIL POSTSEC EDUCAT	0.161487%	0.177214%	2,362,042	292,893	35,836	328,729	3,589,688	4,274,276	3,026,130	3,049,682	4,242,912	303,901	(118,181)	185,720	-	185,720
31765	OFFICE OF STATE BUD DIREC	0.087935%	0.097578%	1,286,210	159,490	19,514	179,004	1,954,704	2,327,484	1,647,828	1,660,652	2,310,406	165,484	(53,535)	111,949	-	111,949
35605	TRAN OFF OF THE SECRETARY	0.225165%	0.216315%	3,293,448	408,388	49,967	458,355	5,005,184	5,959,720	4,219,402	4,252,241	5,915,989	423,736	63,562	487,298	-	487,298
35607	TRAN OFFICE OF LEGAL SVC	0.138716%	0.142171%	2,028,980	251,594	30,783	282,377	3,083,513	3,671,567	2,599,421	2,619,652	3,644,627	261,048	(95,077)	165,971	-	165,971
35609	DIVISION OF FACILITY MANA	0.101111%	0.111889%	1,478,938	183,388	22,438	205,826	2,247,592	2,676,229	1,894,735	1,909,481	2,656,592	190,280	(181,347)	8,933	-	8,933
35615	TRAN DEPT OF AVIATION	0.076192%	0.074827%	1,114,443	138,191	16,908	155,099	1,693,669	2,016,668	1,427,774	1,438,886	2,001,870	143,385	(164,523)	164,523	-	164,523
35616	TRAN OFFICE OF PERSONNEL	0.111665%	0.110481%	1,633,313	202,531	24,780	227,311	2,482,197	2,955,575	2,092,508	2,108,793	2,933,888	210,141	(4,129)	206,012	-	206,012
35617	OFFICE OF INFORMAT TECHN	0.141055%	0.136127%	2,063,194	255,836	31,302	287,138	3,135,506	3,733,477	2,643,252	2,663,824	3,706,082	265,450	(32,048)	233,402	-	233,402
35618	OFFICE OF AUDITS	0.116872%	0.116094%	1,709,466	211,974	25,935	237,909	2,597,943	3,093,395	2,190,083	2,207,128	3,070,697	219,940	(118,989)	100,951	-	100,951
35619	DOT PAYROLL DIVISION	0.045532%	0.049632%	665,989	82,583	10,104	92,687	1,012,129	1,205,152	853,231	859,872	1,196,309	85,686	(44,496)	41,190	-	41,190
35625	TRAN DEPT OF HIGHWAYS	11.569031%	11.555748%	169,218,351	20,983,076	2,567,315	23,550,391	257,167,535	306,211,806	216,793,868	218,481,143	303,964,937	21,771,661	2,130,064	23,901,725	-	23,901,725
35628	TRAN DEPT OF INTERGOV PRO	0.044691%	0.040313%	653,691	81,058	9,917	90,975	993,434	1,182,892	837,472	843,990	1,174,212	84,104	58,413	142,517	-	142,517
35630	TRAN DEPT OF VEH REGULATE	0.046249%	0.045893%	6,764,813	838,837	102,633	941,470	10,280,739	12,241,372	8,666,728	8,734,180	12,151,550	870,362	(161,277)	709,085	-	709,085
36635	CAB FOR ECONOMIC DEVELOPMENT	0.309423%	0.290738%	4,525,884	561,210	68,665	629,875	6,878,152	8,189,880	5,798,326	5,843,453	8,129,786	582,301	230,072	812,373	-	812,373
39075	KHEAA DIV OF FINANCIAL AF	0.058291%	0.069214%	852,814	105,724	12,936	118,660	1,295,748	1,542,860	1,092,324	1,100,826	1,531,539	109,697	(130,009)	(20,312)	-	(20,312)
39079	COMMONWEALTH OF TECHNOL	1.229611%	1.312013%	17,985,326	2,230,180	272,866	2,503,046	27,332,975	32,545,630	23,041,871	23,221,203	32,306,822	2,313,994	(878,666)	1,435,328	-	1,435,328
39084	KY RIVER AUTHORITY	0.021939%	0.022779%	320,899	39,791	4,869	44,660	487,681	580,687	411,118	414,318	576,426	41,287	(4,710)	32,573	-	32,573
39103	OFFICE OF PVA'S	1.902583%	1.888466%	27,828,778	3,450,768	422,207	3,872,975	42,292,443	50,358,010	35,652,798	35,930,279	49,988,501	3,580,455	40,692	3,621,147	-	3,621,147
39130	DEPT OF REVENUE	2.243701%	2.308797%	32,818,245	4,069,462	497,906	4,567,368	49,875,141	59,386,800	42,045,061	42,372,292	58,951,042	4,222,402	(242,682)	3,979,720	-	3,979,720
39750	OFFICE OF SECRETARY	0.345397%	0.352376%	5,052,062	626,456	76,648	703,104	7,677,816	9,142,048	6,472,448	6,522,822	9,074,967	650,000	(55,750)	594,250	-	594,250
39757	FIN OFFICE OF INSP GENERAL	0.031884%	0.034279%	466,361	57,829	7,075	64,904	708,748	843,913	597,479	602,129	837,721	60,002	12,748	72,750	-	72,750
39758	OFF OF THE CONTROLLER	0.230096%	0.229146%	3,365,580	417,332	51,061	468,393	5,114,795	6,090,234	4,311,805	4,345,363	6,045,547	433,016	(44,699)	388,317	-	388,317
39785	DEPT FACILITIES SUPP SVCS	0.643997%	0.641475%	9,419,647	1,168,036	142,911	1,310,947	14,315,384	17,045,466	12,067,960	12,161,883	16,920,389	1,211,932	(62,707)	1,149,225	-	1,149,225
50235	KY STATE FAIR BOARD	0.585486%	0.536829%	8,563,809	1,061,912	129,927	1,191,839	13,014,745	15,496,780	10,971,513	11,056,903	15,383,070	1,101,821	240,877	1,342,698	-	1,342,698
50410	COMM KY HERITAGE COUNCIL	0.056132%	0.051323%	821,034	101,808	12,456	114,264	1,247,756	1,485,715	1,051,866	1,060,053	1,474,813	105,634	16,109	121,743	-	121,743
50529	KY ARTS COUNCIL	0.033133%	0.042148%	484,632	60,094	7,353	67,447	736,512	876,972	620,884	625,717	870,537	62,353	(89,204)	(26,851)	-	(26,851)
50550	KY HISTORICAL SOCIETY	0.115676%	0.124726%	1,691,969	209,804	25,670	235,474	2,571,357	3,061,739	2,167,671	2,184,541	3,039,273	217,690	(24,838)	192,852	-	192,852
50660	DEPT OF FISH & WILDLIFE	0.957969%	0.955074%	14,012,064	1,737,496	212,585	1,950,081	21,294,655	25,355,746	17,951,530	18,091,244	25,169,695	1,802,794	(103,411)	1,906,205	-	1,906,205
50665	COMM KY HORSE PARK	0.173017%	0.170097%	2,530,685	313,805	38,395	352,200	3,845,988	4,579,454	3,242,192	3,267,426	4,545,852	325,599	(45,099)	280,500	-	280,500
50670	DEPT OF PARKS	1.501985%	1.559123%	21,969,285	2,724,191	333,310	3,057,501	33,387,566	39,754,889	28,145,930	28,364,986	39,463,182	3,259,573	(370,403)	2,456,170	-	2,456,170
50850	COMM OFFICE OF SECRETARY	0.090531%	0.102954%	1,324,185	164,199	20,090	184,289	2,012,410	2,396,196	1,696,474	1,709,678	2,378,613	170,370	(108,112)	62,258	-	62,258
50852	KY ARTISANS CTR AT BEREA	0.031473%	0.033504%	460,356	57,084	6,984	64,068	699,612	833,035	598,777	594,368	826,922	59,229	(47,822)	47,488	-	47,488
50860	DEPT OF TOURISM	0.079843%	0.085414%	1,167,856	144,814	17,718	162,532	1,774,827	2,113,303	1,496,190	1,507,835	2,097,796	150,256	(58,185)	92,071	-	92,071
51183	EDUC PROF STANDARDS BD	0.040454%	0.0375														

**Appendix A: Collective OPEB Amounts
for KERS Non-Hazardous System**

Participating Employer Code (1)	Participating Employer Name (2)	2019			Employer Contributions for FYE June 30, 2019			Net OPEB Liability as of June 30, 2019					OPEB Expense					
		Proportionate Share (3)	2018 Proportionate Share (4)	FY 18/19 Salary (5)	Employer Contributions (6)	Implicit Subsidy (7)	Total Contributions (8)	Discount Rate 5.73% (9)	Discount Rate Less 1.00% 4.73% (10)	Discount Rate Plus 1.00% 6.73% (11)	Health Care Trend Rate 1% Decrease (12)	Health Care Trend Rate 1% Increase (13)	Proportionate Share of Aggregate Plan OPEB Expense (14)	Deferred Amounts from Changes in Proportion & Differences Between Employer Contrib. & Proportionate Share of Plan Contributions (15)		Gross Employer OPEB Expense (16)	Proportionate Share of Nonemployer Contributions (17)	Net Employer OPEB Expense (18)
57128	DEPT FOR NATURAL RESOURCE	1.417689%	1.425332%	20,736,302	2,571,301	314,603	2,885,904	31,513,753	37,523,722	26,566,294	26,773,056	37,248,387	2,667,937		(645,249)	2,022,688	-	2,022,688
57129	DEPT FOR ENVIRONM PROTECT	1.898930%	1.930948%	27,775,347	3,444,143	421,397	3,865,540	42,211,240	50,261,321	35,584,344	35,861,292	49,892,522	3,573,580		(577,105)	2,996,475	-	2,996,475
57139	OFFICE OF ADMINISTRATIVE SERVICES	0.232550%	0.124618%	3,401,465	421,782	51,606	473,388	5,169,345	6,155,188	4,357,791	4,391,707	6,110,023	437,634		1,085,936	1,523,570	-	1,523,570
57140	KY NATURE PRESERVES	0.043446%	0.000000%	635,479	78,799	9,641	88,440	965,759	1,149,939	814,141	820,478	1,141,501	81,761		210,223	291,984	-	291,984
57141	OFFICE OF ENERGY POLICY	0.017440%	0.000000%	255,085	31,631	3,870	35,501	387,673	461,606	326,811	329,354	458,219	32,820		84,387	117,207	-	117,207
58175	BRD OF CLMS & CRIME VICTI	0.000000%	0.000000%	-	-	-	-	-	-	-	-	-	-		(41,908)	(41,908)	-	(41,908)
58300	KY BOARD OF TAX APPEALS	0.000000%	0.000000%	-	-	-	-	-	-	-	-	-	-		(10,489)	(10,489)	-	(10,489)
58374	KY HORSE RACING AUTHORITY	0.135474%	0.132243%	1,981,553	245,713	30,063	275,776	3,011,446	3,585,757	2,538,668	2,558,426	3,559,446	254,947		54,919	309,866	-	309,866
58671	KY CLAIMS COMMISSION	0.024174%	0.033742%	353,590	43,845	5,365	49,210	537,363	639,843	453,000	456,526	635,148	45,493		(32,698)	12,795	-	12,795
58675	OFFICE OF THE SECRETARY	0.185192%	0.178509%	2,708,774	335,888	41,096	376,984	4,116,626	4,901,705	3,470,342	3,497,351	4,865,738	348,511		165,988	514,499	-	514,499
58676	DEPT OF INSURANCE	0.281075%	0.283902%	4,111,238	509,794	62,374	572,168	6,248,005	7,439,559	5,267,108	5,308,101	7,384,970	528,953		8,216	537,169	-	537,169
58677	OFF OF OCCUP & PROFESSION	0.091221%	0.084567%	1,334,276	165,450	20,243	185,693	2,027,748	2,414,459	1,709,404	1,722,709	2,396,742	171,668		107,424	279,092	-	279,092
58678	KY BOXING & WRESTLING AUT	0.003384%	0.003103%	49,500	6,138	751	6,889	75,223	89,568	63,413	63,907	88,911	6,368		14,512	20,880	-	20,880
58680	DEPT OF ALCOHOL & BEVERA	0.055212%	0.059088%	807,570	100,139	12,252	112,391	1,227,305	1,461,364	1,034,626	1,042,679	1,450,641	103,903		(130,803)	(26,900)	-	(26,900)
58681	DEPT OF CHARITABLE GAMING	0.066841%	0.074050%	977,679	121,232	14,833	136,065	1,485,806	1,769,163	1,252,544	1,262,292	1,756,182	87,422		(38,366)	87,422	-	87,422
58685	DEPT OF FINANCIAL INSTITU	0.328055%	0.319254%	4,798,403	595,002	72,800	667,802	7,292,322	8,683,036	6,147,474	6,195,318	8,619,323	617,364		54,989	672,353	-	672,353
58690	DEPT OF HOUSING & BUILD C	0.549665%	0.541593%	8,039,858	996,942	121,978	1,118,920	12,218,482	14,548,661	10,300,258	10,380,423	14,441,908	1,034,410		(69,576)	964,834	-	964,834
014A	BRECKINRIDGE CO ATTORNEY	0.006384%	0.006331%	93,383	11,579	1,417	12,996	141,910	168,973	119,631	120,562	167,733	12,014		906	12,920	-	12,920
024A	CHRISTIAN COUNTY ATTORNEY	0.001548%	0.001481%	22,640	2,807	344	3,151	34,410	40,973	29,008	29,234	40,672	2,913		317	3,230	-	3,230
031A	EDMONSON COUNTY ATTORNEY	0.002572%	0.002658%	37,615	4,664	571	5,235	57,173	68,076	48,197	48,572	67,577	4,840		(2,030)	2,810	-	2,810
060A	KNOTT COUNTY ATTORNEY	0.007319%	0.006286%	107,052	13,274	1,624	14,898	162,694	193,721	137,152	138,219	192,300	13,774		4,963	18,737	-	18,737
071A	LOGAN COUNTY ATTORNEY	0.007043%	0.006549%	103,018	12,774	1,563	14,337	156,559	186,416	131,980	133,007	185,048	13,254		(326)	12,928	-	12,928
086A	MONROE CO ATTORNEY	0.001895%	0.001813%	27,720	3,437	421	3,858	42,124	50,157	35,511	35,787	49,789	3,566		385	3,951	-	3,951
116A	WAYNE COUNTY ATTORNEY	0.002214%	0.008125%	32,381	4,015	491	4,506	49,215	58,601	41,488	41,811	58,171	4,167		(28,284)	(24,117)	-	(24,117)
W002	ALLEN COUNTY ATTORNEY	0.006063%	0.005933%	88,677	10,996	1,345	12,341	134,774	160,477	113,615	114,500	159,299	11,410		(6,651)	4,759	-	4,759
W003	ANDERSON COUNTY ATTORNEY	0.000432%	0.008006%	6,321	784	96	880	9,603	11,434	8,095	8,158	11,350	813		(9,821)	(9,008)	-	(9,008)
W005	BARREN COUNTY ATTORNEY	0.016664%	0.015032%	243,743	30,224	3,698	33,922	370,423	441,067	312,269	314,700	437,800	31,360		4,287	35,647	-	35,647
W007	BELL COUNTY ATTORNEY	0.011724%	0.013125%	171,480	21,264	2,602	23,866	260,612	310,314	219,698	221,408	308,037	22,063		(7,298)	14,765	-	14,765
W008	BOONE COUNTY ATTORNEY	0.041469%	0.042707%	606,560	75,213	9,202	84,415	921,813	1,097,611	777,094	783,142	1,089,557	78,040		(10,041)	67,999	-	67,999
W011	BOYLE COUNTY ATTORNEY	0.000630%	0.000413%	9,217	1,143	140	1,283	14,004	16,675	11,806	11,898	16,553	1,186		(1,305)	(119)	-	(119)
W015	BULLITT COUNTY ATTORNEY	0.002332%	0.004393%	34,115	4,230	518	4,748	51,838	61,724	43,700	44,040	61,271	4,389		(13,275)	(8,886)	-	(8,886)
W021	CARROLL COUNTY ATTORNEY	0.005191%	0.004973%	75,921	9,414	1,152	10,566	115,391	137,397	97,275	98,032	136,388	9,769		989	10,758	-	10,758
W022	CHILD SUPPORT ENFORCEMENT	0.006155%	0.003060%	90,024	11,163	1,366	12,529	136,819	162,912	115,340	116,237	161,717	11,583		14,828	26,411	-	26,411
W023	CASEY COUNTY ATTORNEY	0.004777%	0.005497%	69,866	8,663	1,060	9,723	106,188	126,439	89,517	90,214	125,511	8,990		(3,240)	5,750	-	5,750
W025	CLARK COUNTY ATTORNEY	0.009670%	0.009001%	141,442	17,539	2,146	19,685	214,954	255,948	181,208	182,618	254,070	18,198		(3,013)	15,185	-	15,185
W028	CRITTENDEN CO ATTORNEY	0.001700%	0.002569%	24,860	3,083	377	3,460	37,789	44,996	31,857	32,104	44,666	3,199		(10,472)	(7,273)	-	(7,273)
W030	DAVIESS COUNTY ATTORNEY	0.003132%	0.003985%	45,813	5,681	695	6,376	69,621	82,899	58,691	59,148	82,290	5,894		(7,342)	(1,448)	-	(1,448)
W036	FLOYD COUNTY ATTORNEY	0.006591%	0.024998%	96,406	11,954	1,463	13,417	146,511	174,452	123,510	124,471	173,172	12,404		(94,118)	(81,714)	-	(81,714)
W037	FRANKLIN COUNTY ATTORNEY	0.017671%	0.017996%	258,473	32,051	3,921	35,972	392,808	467,720	331,140	333,717	464,288	33,255		(3,223)	30,032	-	30,032
W039	GALLATIN COUNTY ATTORNEY	0.000000%	0.000000%	-	-	-	-	-	-	-	-	-	-		(1,173)	(1,173)	-	(1,173)
W040	GARRARD COUNTY ATTORNEY	0.005170%	0.005897%	75,616	9,376	1,147	10,523	114,924	136,841	96,881	97,635	135,837	9,729		(4,085)	5,644	-	5,644
W041	GARRANT COUNTY CHLD SUPPOR	0.002019%	0.001838%	29,527	3,661	448	4,109	44,880	53,439	37,834	38,129	53,047	3,800		986	4,786	-	4,786
W042	GRAVES COUNTY ATTORNEY	0.011992%	0.014089%	175,411	21,751	2,661	24,412	266,570	317,407	224,720	226,469	315,078	22,568		(10,565)	12,003	-	12,003
W046	HANCOCK COUNTY ATTORNEY	0.001519%	0.001665%	22,223	2,756	337	3,093	33,766	40,205	28,465	28,686	39,910	2,859		(898)	1,961	-	1,961
W049	HARRISON COUNTY ATTORNEY	0.005564%	0.007248%	81,385	10,092	1,235	11,327	123,682	147,269	104,265	105,076	146,189	10,471		(8,188)	2,283	-	2,283
W053	HICKMAN COUNTY ATTORNEY	0.002340%	0.002345%	34,230	4,245	519	4,764	52,016	61,936	43,850	44,191	61,481	4,404		(722)	3,682	-	3,682
W054	HOPKINS COUNTY ATTORNEY	0.019249%	0.022487%	281,550	34,912	4,272	39,184	427,885	509,487	360,710	363,517	505,749	36,225		(13,452)	22,773	-	22,773
W055	JACKSON COUNTY ATTORNEY	0.000956%	0.000838%	13,987	1,734	212	1,946	21,251	25,304	17,915	18,054	25,118	1,799		615	2,414	-	2,414
W056	JEFFERSON CO ATTORNEY	0.005625%	0.011523%	82,281	10,203	1,248	11,451	125,038	148,884	105,408	106,228	147,791	10,586		(46,720)	(36,134)	-	(36,134)
W062	LARUE COUNTY ATTORNEY	0.006757%	0.007023%	98,831	12,255	1,499	13,754	150,201	178,846	126,620	127,606	177,534	12,716		(3,289)	9,427	-	9,427
W063	LAUREL COUNTY ATTORNEY	0.002229%	0.001740%	32,600	4,042	495	4,537	49,548	58,998	41,770	42,095	58,565	4,195		1,470	5,665	-	5,665
W065	LEE COUNTY ATTORNEY	0.003210%	0.004233%	46,953	5,822	712	6,534	71,355	84,963	60,153	60,621	84,340	6,041		(5,417)	624	-	624
W073	MCCRACKEN COUNTY ATTORNEY	0.001611%																

**Appendix A: Collective OPEB Amounts
for KERS Non-Hazardous System**

Participating Employer Code	Participating Employer Name	Implicit Subsidy Year Ending 6/30/2020	Outstanding Balance of Deferred Outflows of Resources					Outstanding Balance of Deferred Inflows of Resources					Recognition of Existing Deferred Outflows (Inflows) of Resources for Future Measurement Period Ending June 30,					
			Liability Experience	Assumption Changes	Investment Experience	Change in Proportion & Differences Between Employer Contrib. & Proportionate Share of Plan Contributions	Total Deferred Outflow of Resources	Liability Experience	Assumption Changes	Investment Experience	Change in Proportion & Differences Between Employer Contrib. & Proportionate Share of Plan Contributions	Total Deferred Inflow of Resources	2020	2021	2022	2023	2024	Thereafter
1430	EASTERN KY UNIV	288,675	-	3,140,566	101,422	-	3,241,988	3,819,802	72,032	258,484	11,550,278	15,700,596	(3,362,889)	(3,362,889)	(3,959,268)	(1,773,561)	-	-
1433	KET FOUNDATION	33,193	-	361,112	11,662	160,331	533,105	439,212	8,282	29,721	67,514	544,729	20,786	20,786	(60,099)	6,902	-	-
1434	KY BAR ASSOCIATION	-	-	-	-	-	-	-	-	-	2,851,964	2,851,964	(755,957)	(755,957)	(748,312)	(591,738)	-	-
1435	CHILD WATCH ADVOCACY CTR	3,911	-	42,553	1,374	28,543	72,470	51,756	976	3,502	1,162	57,396	8,038	8,038	(1,877)	873	-	-
1436	LOTUS	14,480	-	157,533	5,087	323,987	486,607	191,604	3,613	12,966	3,110	211,293	91,215	91,215	53,018	39,867	-	-
1437	SANCTUARY INC	11,513	-	125,253	4,045	152,625	281,923	152,343	2,873	10,309	21,386	186,911	46,731	46,731	14,750	(13,201)	-	-
1438	O A S I S	11,535	-	125,493	4,053	36,073	165,619	152,634	2,878	10,329	37,666	203,507	(2,809)	(2,809)	(30,535)	(1,738)	-	-
1439	BARREN RIVER CHILD ADVOCA	1,858	-	20,211	653	19,749	40,613	24,582	464	1,663	93,870	120,579	(18,027)	(18,027)	(22,848)	(21,063)	-	-
1440	MOREHEAD STATE UNIVERSITY	98,392	-	1,070,426	34,569	-	1,104,995	1,301,936	24,551	88,102	4,001,364	5,415,953	(1,118,057)	(1,118,057)	(1,333,638)	(741,207)	-	-
1445	MURRAY STATE UNIV	222,656	-	2,422,325	78,227	362,529	2,863,081	2,946,221	55,558	199,370	1,512,106	4,713,255	(271,507)	(271,507)	(825,558)	(481,601)	-	-
1450	NORTHERN KY UNIVERSITY	625,731	-	6,807,481	219,843	-	7,027,324	8,279,791	156,135	560,290	1,331,977	10,328,193	(393,057)	(393,057)	(1,918,430)	(596,324)	-	-
1451	SILVERLEAF	7,424	-	80,771	2,608	137,852	221,231	98,240	1,853	6,648	1,710	108,451	40,367	40,367	20,550	11,495	-	-
1452	SPRINGHAVEN INC	8,508	-	92,566	2,989	115,597	211,152	112,586	2,123	7,619	2,286	124,614	30,505	30,505	9,132	16,397	-	-
1453	SAFE HARBOR	12,950	-	140,888	4,550	132,873	278,311	171,358	3,231	11,596	3,595	189,780	39,078	39,078	5,534	4,839	-	-
1454	D.O.V.E.S.	7,937	-	86,350	2,789	193,877	283,016	105,026	1,981	7,107	1,550	115,664	57,254	57,254	35,474	17,371	-	-
1455	GATEWAY CHILD ADVOCACY	623	-	6,775	219	-	6,994	8,240	155	558	26,146	35,099	(8,298)	(8,298)	(9,383)	(2,128)	-	-
1456	JUDI'S PLACE FOR KIDS, INC.	6,094	-	66,309	2,141	132,630	201,071	80,639	1,521	5,457	1,225	88,842	41,507	41,507	24,315	4,902	-	-
1457	KY RIVER CHILD ADVOCACY	1,787	-	19,438	628	15,708	35,774	23,642	446	1,600	12,431	38,119	(14)	(14)	(4,177)	1,862	-	-
1458	BLUEGRASS RAPE CRISIS CTR	12,104	-	131,684	4,253	52,779	188,716	160,165	3,020	10,838	35,192	209,215	8,969	8,969	(22,056)	(16,383)	-	-
1459	NURSING HOME OMBUDSMAN	4,312	-	46,914	1,515	-	48,429	57,060	1,076	3,861	16,417	78,414	(4,597)	(4,597)	(15,098)	(5,694)	-	-
1465	WESTERN KENTUCKY UNIV	302,180	-	3,287,491	106,167	-	3,393,658	3,998,503	75,401	270,577	3,611,047	7,955,528	(996,673)	(996,673)	(1,719,785)	(848,741)	-	-
1480	KASAP	8,412	-	91,516	2,955	90,922	185,393	111,309	2,099	7,532	2,291	123,231	27,468	27,468	5,431	1,795	-	-
1481	KDVA	15,120	-	164,495	5,312	160,377	200,071	200,071	3,773	13,539	4,235	221,618	44,450	44,450	5,974	13,685	-	-
1482	KACAC	-	-	-	-	-	-	-	-	-	36,768	36,768	(12,546)	(12,546)	(11,675)	-	-	-
1483	PENNYRILE CHILD ADV CTR	2,764	-	30,073	971	11,355	42,399	36,577	690	2,475	5,209	44,951	2,558	2,558	(4,518)	(3,148)	-	-
1484	BUFFALO TR CHILD ADV INC	1,525	-	16,590	536	2,294	19,420	20,178	381	1,365	13,132	35,056	(2,658)	(2,658)	(6,441)	(3,880)	-	-
1485	CUMBERLAND V C A CENTER	5,392	-	58,665	1,895	116,042	176,602	71,353	1,346	4,828	1,178	78,705	32,885	32,885	18,633	13,495	-	-
1486	LAKE CUMB CHILD ADV CTR	3,269	-	35,559	1,148	45,441	82,148	43,250	816	2,927	798	47,791	14,996	14,996	5,959	(1,593)	-	-
1487	B.R.A.S.S.	13,062	-	142,106	4,589	87,083	233,778	172,841	3,259	11,696	3,821	191,617	28,679	28,679	(5,514)	(9,683)	-	-
1488	WOMEN AWARE	3,949	-	42,958	1,387	46,648	52,249	52,249	985	3,536	21,247	78,017	(4,753)	(4,753)	(14,494)	(7,368)	-	-
1489	BETHANY HOUSE ABUSE SHEL	8,904	-	96,871	3,128	51,212	151,211	117,822	2,222	7,973	2,711	130,728	14,766	14,766	(7,805)	(1,242)	-	-
1490	HOPE HARBOR INC	5,893	-	64,111	2,070	129,268	195,449	77,976	1,470	5,277	51,181	135,904	30,764	30,764	13,275	(15,259)	-	-
1491	CHILD ADV CTR OF GRN RVR	2,688	-	29,248	945	3,812	34,005	35,574	671	2,407	15,006	53,658	(2,612)	(2,612)	(9,297)	(5,133)	-	-
1492	CSG HEADQUARTERS	69,970	-	761,220	24,583	-	785,803	925,855	17,459	62,652	745,240	1,751,206	(228,563)	(228,563)	(390,209)	(118,066)	-	-
1994	KY HIGHER ED STUD LN CORP	219,699	-	2,390,156	77,188	169,902	2,637,246	2,907,094	54,820	196,722	980,886	4,139,522	(196,976)	(196,976)	(740,460)	(367,864)	-	-
3022	LEX FAYETTE CO HLTH DEPT	119,255	-	1,297,402	41,899	1,577,194	2,378,933	1,578,002	29,757	106,783	39,018	1,753,560	60,916	60,916	(235,375)	(62,823)	-	-
3023	LAKE CUMBERLAND DISTRICT	105,926	-	1,152,398	37,216	1,189,614	1,401,637	1,401,637	26,431	94,848	430,264	1,953,180	(116,563)	(116,563)	(375,409)	(155,031)	-	-
3024	WEDCO DIST HEALTH DEPT	52,260	-	568,550	18,361	224,321	811,232	691,515	13,040	46,795	232,398	983,748	16,244	16,244	(117,422)	(87,579)	-	-
3025	NORTHERN KY DIST HLTH DEPT	120,028	-	1,305,812	42,170	114,903	1,462,885	1,588,231	29,950	107,475	54,843	1,780,499	27,091	27,091	(271,550)	(100,245)	-	-
3026	BARREN RVR DIST HLTH DEPT	99,455	-	1,081,997	34,942	1,116,939	1,316,009	1,316,009	24,817	89,054	815,548	2,245,428	(219,492)	(219,492)	(461,158)	(228,348)	-	-
3027	GREEN RVR DIST HLTH DEPT	119,128	-	1,296,017	41,854	221,078	1,558,949	1,576,318	29,725	106,669	38,969	1,751,681	60,111	60,111	(236,826)	(76,129)	-	-
3028	LINCOLN TRL DIST HLTH DEPT	66,101	-	719,130	23,224	67,682	810,036	874,662	16,494	59,188	56,758	1,007,102	9,404	9,404	(155,101)	(60,776)	-	-
3029	PURCHASE DIST HLTH DEPT	38,191	-	415,488	13,418	-	428,906	505,349	9,530	34,197	117,552	666,628	(33,222)	(33,222)	(126,329)	(44,949)	-	-
3030	MERCER CO HEALTH DEPT	12,580	-	136,856	4,420	10,707	151,983	166,455	3,139	11,264	88,463	269,321	(26,790)	(26,790)	(55,836)	(7,923)	-	-
3031	CUMBERLAND VLY DIST HEALT	49,242	-	535,710	17,300	-	553,010	651,573	12,287	44,092	683,589	1,391,541	(189,129)	(189,129)	(306,296)	(153,975)	-	-
3033	KY RIVER DIST HEALTH DEPT	57,239	-	622,720	20,110	-	642,830	757,400	14,283	51,253	1,208,925	2,031,861	(343,336)	(343,336)	(474,652)	(227,706)	-	-
3034	BOURBON CO HEALTH CENTER	9,993	-	108,721	3,511	20,029	132,261	132,236	2,494	8,948	23,077	166,755	938	938	(24,130)	(12,240)	-	-
3035	CLARK CO HEALTH DEPT	34,602	-	376,443	12,157	50,069	438,669	457,859	8,634	30,983	356,513	853,989	(76,459)	(76,459)	(162,111)	(100,289)	-	-
3036	GATEWAY DIST HEALTH DEPT	39,031	-	424,625	13,713	443,289	881,627	516,462	9,739	34,949	10,686	571,836	126,486	126,486	26,009	30,812	-	-
3037	BOYLE CO HEALTH DEPT	10,101	-	109,890	3,549	-	113,439	133,657	2,520	9,045	17,489	162,711	(4,566)	(4,566)	(29,397)	(10,743)	-	-
3038	PIKE CO HEALTH DEPT	37,520	-	408,189	13,182	-	421,371	496,471	9,362	33,596	464,677	1,004,106	(141,423)	(141,423)	(227,482)	(72,409)	-	-
3039	FLOYD CO HEALTH CENTER	20,191	-	219,661	7,094	16,159	242,914	267,169	5,038	18,079	131,227	421,513	(28,776)	(28,776)	(78,634)	(42,413)	-	-
3040	MARTIN CO HEALTH DEPT	8,420	-	91,606	2,958	20,108	114,672	111,419	2,101	7,540	38,650	159,710	(3,182)	(3,182)	(24,333)	(14,340)	-	-
3042	BUFFALO TRACE HEALTH DEPT	15,877	-	172,730	5,578	60,635	238,943	210,088	3,962	14,217	10,577	238,844	13,115	13,115	(26,051)	(79)	-	-
3043	WHITLEY COUNTY ATTORNEY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3044	N CENTRAL DIST HLTH DEPT	29,371	-	319,535	10,319	42,855	372,709	388,644	7,329	26,299	9,712	431,984	9,941	9,941	(62,751)	(16,403)	-	-
3045	PENNYRILE DIST HLTH DEPT	32,155	-	349,827	11,297	250,534	611,658	429,827	8,024	28,793	9,300	471,604	77,130	77,130	(6,291)	(7,915)	-	-
3047	BREATHITT CO HEALTH DEPT	25,515	-	277,589	8,965	-	286,554	337,625	6,367	22,847	260,159	626,998	(76,556)	(76,556)	(136,559)	(50,775)	-	-
3048	GREENUP CO HLTH DEPT	17,913	-	194,882	6,294	-	201,176	237,031	4,470	16,040	104,338	361,879	(27,323)	(27,323)	(71,221)	(34,836)	-	-
3049	WHITLEY CO HEALTH DEPT	38,395	-	417,704	13,489	-	431,193	508,044	9,580	34,379	240,238	792,241	(64,139)	(64,139)	(157,860)	(74,910)	-	-
3050	LAUREL CO HEALTH DEPT	22,259	-	242,161	7,820	133,413	383,394	294,535	5,554	19,931	6,796	326,816	36,489	36,489	(19,439)	3,040	-	-

**Appendix A: Collective OPEB Amounts
for KERS Non-Hazardous System**

Participating Employer Code	Participating Employer Name	Implicit Subsidy Year Ending 6/30/2020	Outstanding Balance of Deferred Outflows of Resources					Outstanding Balance of Deferred Inflows of Resources					Recognition of Existing Deferred Outflows (Inflows) of Resources for Future Measurement Period Ending June 30,					
			Liability Experience	Assumption Changes	Investment Experience	Change in Proportion & Differences Between Employer Contrib. & Proportionate Share of Plan Contributions	Total Deferred Outflow of Resources	Liability Experience	Assumption Changes	Investment Experience	Change in Proportion & Differences Between Employer Contrib. & Proportionate Share of Plan Contributions	Total Deferred Inflow of Resources	2020	2021	2022	2023	2024	Thereafter
3086	GRAYSON COUNTY HEALTH DEPT	9,149	-	99,536	3,214	8,274	111,024	121,063	2,283	8,192	4,800	136,338	1,736	1,736	(21,016)	(7,770)	-	-
3087	HARLAN CO HEALTH DEPT	17,036	-	185,341	5,985	33,473	224,799	225,426	4,251	15,255	111,540	356,472	(17,715)	(17,715)	(60,255)	(35,987)	-	-
3088	CARTER CO HEALTH DEPT	6,354	-	69,128	2,232	-	71,360	84,078	1,585	5,690	142,780	234,133	(42,796)	(42,796)	(56,686)	(20,495)	-	-
3801	KENTUCKY STATE UNIVERSITY	79,830	-	868,489	28,047	1,158,354	2,054,890	1,056,325	19,920	71,481	246,124	1,393,850	225,381	225,381	30,997	179,283	-	-
5470	KCTS	366,078	-	3,982,655	128,617	-	4,111,272	4,844,017	91,346	327,793	2,994,621	8,257,777	(854,437)	(854,437)	(1,730,624)	(707,007)	-	-
7403	ASST OF COMMONWEALTH ATTY	17,923	-	194,987	6,297	36,846	238,130	237,159	4,472	16,048	27,026	284,705	1,316	1,316	(42,465)	(6,742)	-	-
7407	KENTUCKY HOUSING CORP	188,505	-	2,050,791	66,229	186,456	2,303,476	2,494,333	47,037	168,791	1,874,717	4,584,878	(428,194)	(428,194)	(892,920)	(532,093)	-	-
7408	FRANKLIN CO COUNCIL AGING	2,238	-	24,345	786	27,162	29,610	29,610	558	2,004	16,631	48,803	(5,037)	(5,037)	(10,184)	(1,382)	-	-
7409	MUN ELEC POW ASSOC OF KY	2,485	-	27,030	873	11,213	39,116	32,875	620	2,225	773	36,493	3,260	3,260	(3,019)	(879)	-	-
7410	COMMONWEALTH CREDIT UNION	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7415	HIGHSCHOOL ATHLETIC ASSOC	4,116	-	44,777	1,446	-	46,223	54,461	1,027	3,685	196,131	255,304	(56,040)	(56,040)	(64,526)	(32,477)	-	-
7416	KY OFFICE OF BAR ADMISSIO	3,699	-	40,241	1,300	11,243	52,784	48,944	923	3,312	1,183	54,362	3,230	3,230	(6,056)	(1,982)	-	-
7417	KY ASSOC OF REGIONAL PROG	2,176	-	23,668	764	-	24,432	28,787	543	1,948	26,442	57,720	(8,215)	(8,215)	(13,166)	(3,693)	-	-
7718	MASTER COMM BOONE CO	3,190	-	34,702	1,121	1,316	37,139	42,208	796	2,856	13,737	59,597	(3,127)	(3,127)	(10,977)	(5,227)	-	-
7720	MASTER COMM CAMPBELL CO	2,043	-	22,231	718	5,388	28,337	27,039	510	1,830	681	30,060	1,339	1,339	(3,720)	(679)	-	-
7724	MASTER COMM CHRISTIAN CO	696	-	7,577	245	10,552	18,374	9,215	174	624	175	10,188	3,296	3,296	1,406	186	-	-
7725	MASTER COMM CLARK CO	400	-	4,352	141	6,688	5,294	5,294	100	358	126	5,878	629	629	(382)	(67)	-	-
7727	MASTER COMM CLINTON/CUMBE	711	-	7,734	250	16,704	24,688	9,407	177	637	151	10,372	4,821	4,821	2,910	1,763	-	-
7730	MASTER COMM DAVIESS CO	1,988	-	21,631	699	7,470	29,800	26,309	496	1,780	34,127	62,712	(9,586)	(9,586)	(13,705)	(35)	-	-
7734	MASTER COMM FAYETTE CO	3,897	-	42,401	1,369	16,514	60,284	51,572	973	3,490	3,632	59,667	3,291	3,291	(6,287)	324	-	-
7740	MASTER COMM GARRARD CO	355	-	3,866	125	6,148	2,157	4,702	89	318	112	5,221	557	557	(326)	140	-	-
7741	MASTER COMM GRANT CO	1,333	-	14,497	468	-	14,965	17,633	333	1,193	16,433	35,592	(4,588)	(4,588)	(7,755)	(3,695)	-	-
7743	MASTER COMM GRAYSON CO	606	-	6,588	213	358	7,159	8,013	151	542	22,446	31,152	(5,801)	(5,801)	(7,245)	(5,148)	-	-
7747	MASTER COMM HARDIN CO	3,102	-	33,746	1,090	31,872	66,708	41,045	774	2,777	911	45,507	8,422	8,422	657	3,702	-	-
7750	MASTER COMMISSIONER HART COUNTY	487	-	5,294	171	27,872	33,337	6,439	121	436	14,726	21,722	5,642	5,642	3,816	(3,484)	-	-
7751	MASTER COMM HENDERSON CO	-	-	-	-	-	-	-	-	-	23,554	23,554	(7,132)	(7,132)	(6,824)	(2,467)	-	-
7752	HENRY/ TRIMBLE MASTER COM	1,267	-	13,786	445	86,952	101,183	16,767	316	1,135	-	18,218	23,006	23,006	19,671	17,281	-	-
7753	MASTER COMM HOPKINS CO	1,643	-	17,879	577	11,303	29,759	21,746	410	1,472	1,043	24,671	2,699	2,699	(1,360)	1,051	-	-
7756	MASTER COMM JEFF CIRCUIT	8,892	-	96,743	3,124	72,322	172,189	117,666	2,219	7,962	18,371	146,218	13,212	13,212	(8,485)	8,032	-	-
7757	MASTER COMMISSIONER OF JESSAMINE COUNTY	1,827	-	19,882	642	10,747	31,271	24,181	456	1,636	3,908	30,181	1,584	1,584	(2,862)	785	-	-
7759	MASTER COMM KENTON CO	3,510	-	38,183	1,233	7,926	47,342	46,441	876	3,143	1,166	51,626	2,368	2,368	(6,434)	(2,585)	-	-
7763	MASTER COMM LAUREL CO	1,246	-	13,553	438	509	14,500	16,484	311	1,115	2,684	20,594	(514)	(514)	(3,587)	(1,480)	-	-
7773	MASTER COMM MCCracken CO	1,882	-	20,479	661	3,091	24,231	24,908	470	1,686	3,217	30,281	(199)	(199)	(4,779)	(872)	-	-
7776	MASTER COMM MADISON CO	1,920	-	20,893	675	4,979	26,547	25,412	479	1,720	640	28,251	1,237	1,237	(3,519)	(659)	-	-
7781	MASTER COMM MASON CO	-	-	-	-	-	-	-	-	-	31,478	31,478	(10,741)	(10,741)	(9,996)	-	-	-
7782	MASTER COMM MEADE CO	1,552	-	16,888	545	16,734	34,167	20,540	387	1,390	8,336	30,653	1,641	1,641	(2,035)	2,267	-	-
7790	MASTER COMM NELSON CO	1,642	-	17,861	577	984	19,422	21,724	410	1,470	564	24,168	189	189	(3,867)	(1,257)	-	-
7792	MASTER COMM OHIO COUNTY	-	-	-	-	-	-	-	-	-	10,686	10,686	(3,646)	(3,646)	(3,393)	-	-	-
7793	MASTER COMM OLDHAM CO	1,657	-	18,022	582	6,908	25,512	21,919	413	1,483	534	24,349	1,952	1,952	(2,209)	(534)	-	-
7794	MASTER COMM OWEN CO	715	-	7,784	251	30,309	30,309	9,467	179	641	130	10,417	6,104	6,104	4,222	3,461	-	-
7798	MASTER COMM PIKE CO	1,600	-	17,404	562	8,795	26,761	21,168	399	1,432	510	23,509	2,262	2,262	(1,709)	435	-	-
7799	MASTER COMM FOR FLEMING	151	-	1,638	53	1,691	1,933	1,691	38	135	17,267	19,433	(5,409)	(5,409)	(5,504)	(1,419)	-	-
7805	MASTER COMM SCOTT CO	1,978	-	21,517	695	850	23,062	26,171	494	1,771	2,441	30,877	(321)	(321)	(5,205)	(1,969)	-	-
7807	MASTER COMM SIMPSON CO	1,194	-	12,987	419	31,991	45,397	15,796	298	1,069	249	17,412	8,543	8,543	5,489	5,409	-	-
7814	MASTER COMM WARREN CO	2,680	-	29,161	942	33,124	35,467	30,211	669	2,400	913	39,449	683	683	(5,943)	(1,749)	-	-
7817	LOGAN CO MASTER COM	939	-	10,215	330	21,229	31,774	12,424	234	841	211	13,710	5,865	5,865	3,421	2,912	-	-
7819	MASTER COMM FLOYD CO	486	-	5,282	171	5,811	6,425	6,425	121	435	30,685	37,666	(7,980)	(7,980)	(9,108)	(6,786)	-	-
7820	MASTER COMM BARREN CO	1,140	-	12,401	400	4,657	17,458	15,083	284	1,021	24,908	41,296	(4,973)	(4,973)	(7,829)	(6,063)	-	-
7821	MASTER COMM MUHLBERG CO	1,378	-	14,996	484	15,997	18,239	18,239	344	1,234	267	20,084	10,680	10,680	6,901	3,651	-	-
8202	NORTHERN KY REG MHMR BD	2,722	-	29,618	956	72,243	102,817	36,024	679	2,438	4,505,956	4,545,097	(1,166,353)	(1,166,353)	(1,163,614)	(945,961)	-	-
8204	COMMUNICARE INC	106,483	-	1,158,456	37,412	-	1,195,868	1,409,005	26,570	95,347	3,696,824	3,696,824	(658,061)	(658,061)	(891,161)	(293,672)	-	-
8205	ADANTA/BEHAVIORAL HLTH SR	110,773	-	1,205,131	38,919	-	1,244,050	1,465,774	27,641	99,188	2,980,039	4,572,642	(944,907)	(944,907)	(1,166,787)	(271,993)	-	-
8208	CUMBERLAND RIVER MHMR	218,184	-	2,373,679	76,656	-	2,450,335	2,887,054	54,442	195,366	1,425,420	4,562,282	(398,294)	(398,294)	(925,798)	(389,561)	-	-
8209	WESTERN KY REG MHMR ADV	66,269	-	720,961	23,283	-	744,244	876,889	16,536	59,339	553,924	1,506,688	(167,520)	(167,520)	(323,422)	(103,982)	-	-
8210	NEW VISTA OF THE BLUEGRASS, INC.	708,759	-	7,710,754	249,013	307,759	8,278,423	9,378,423	176,853	634,634	1,064,425	11,254,335	(162,500)	(162,500)	(1,915,283)	(746,524)	-	-
8211	PENNYROYAL REG MHMR BD	124,871	-	1,358,504	43,872	218,222	1,620,598	1,652,319	31,158	111,812	447,333	2,242,622	(41,254)	(41,254)	(353,331)	(186,185)	-	-
8213	GREEN RVR REG MHMR BD	55,285	-	601,462	19,424	620,886	731,545	13,795	49,503	1,680,350	2,475,193	(499,133)	(499,133)	(615,870)	(240,171)	-	-	
8216	COMPREHEND INC REG MHMR B	83,612	-	909,637	29,376	515,914	1,454,927	1,106,372	20,863	74,868	25,413	1,227,516	142,576	142,576	(67,981)	10,240	-	-
8220	LIFESKILLS INC	163,385	-	1,777,502	57,403	-	1,834,905	2,161,937	40,769	146,297	1,790,799	5,249,802	(791,727)	(791,727)	(1,179,758)	(651,682)	-	-
8221	MOUNTAIN COMP CARE CENTER	101,791	-	1,143,171	35,763	-	1,143,171	1,346,917	25,399	91,245	567,690	2,031,151	(162,689)	(162,689)	(408,314)	(154,287)	-	-
9940	KY EMPLOYERS MUTUAL INSURANCE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10005	LEGS GENERAL ASSEMBLY	22,414	-	243,843	7,875	324,467	576,185	296,581	5,593	20,069	336,134	658,377	22,426	22,426	(39,659)	(87,386)	-	-
10010	LEGS LEGISLATIVE RES COMM	359,683	-	3,913,082	126,370	1,382,008	5,421,460	4,759,396	89,750	322,066	342,872	5,514,084	263,599	263,599	(619,795)	(28)	-	-
20020	JUDL JUDICIAL RET SYSTEM	3,293	-	35,825	1,157	53,118	53,118	43,573	822	2,949	1,059	48,403	4,136	4,136	(4,035)	479	-	-
20025	JUDL ADM OFF OF THE COURT	1,044,454	-	11,362,867	366,956	9,098,565	20,828,388</											

**Appendix A: Collective OPEB Amounts
for KERS Non-Hazardous System**

Participating Employer Code	Participating Employer Name	Implicit Subsidy Year Ending 6/30/2020	Outstanding Balance of Deferred Outflows of Resources					Outstanding Balance of Deferred Inflows of Resources					Recognition of Existing Deferred Outflows (Inflows) of Resources for Future Measurement Period Ending June 30,					
			Liability Experience	Assumption Changes	Investment Experience	Change in Proportion & Differences Between Employer Contrib. & Proportionate Share of Plan Contributions	Total Deferred Outflow of Resources	Liability Experience	Assumption Changes	Investment Experience	Change in Proportion & Differences Between Employer Contrib. & Proportionate Share of Plan Contributions	Total Deferred Inflow of Resources	2020	2021	2022	2023	2024	Thereafter
31205	KY LANDSCAPE ARCH REG BD	450	-	4,895	158	1,861	6,914	5,953	112	403	146	6,614	502	502	(621)	(83)	-	
31215	BD EXAMINERS OF SOCIAL WK	2,202	-	23,960	774	-	24,734	29,142	550	1,972	22,144	53,808	(7,155)	(7,155)	(12,153)	(2,611)	-	
31225	BD OF HAIRDRESSERS/CSMTG	8,672	-	94,344	3,047	74,531	171,922	114,748	2,164	7,765	2,554	127,231	22,377	22,377	(35)	(29)	-	
31245	BD OF MEDICAL LICENSURE	12,971	-	141,118	4,557	171,639	216,387	171,639	3,237	11,615	4,126	190,617	18,675	18,675	(13,661)	2,082	-	
31250	BOARD OF NURSING	43,962	-	478,275	15,446	-	493,721	581,716	10,970	39,364	104,100	736,150	(26,958)	(26,958)	(134,885)	(53,630)	-	
31260	BOARD OF OPTOMETRIC EXM	1,314	-	14,290	461	4,457	19,208	17,381	328	1,176	433	19,318	1,124	1,124	(2,131)	(227)	-	
31263	KY RESPIRATORY CARE BD	1,616	-	17,581	568	6,065	24,214	21,384	403	1,447	7,015	30,249	(722)	(722)	(4,561)	(30)	-	
31268	PERSONNEL BOARD	5,752	-	62,574	2,021	47,635	112,230	76,108	1,435	5,150	1,711	84,404	14,061	14,061	(717)	422	-	
31270	KY BOARD OF PHARMACY	18,020	-	196,043	6,331	191,059	393,433	238,442	4,496	16,135	5,024	264,097	60,149	60,149	12,379	(3,345)	-	
31275	BD OF PHYSICAL THERAPY	2,228	-	24,243	783	24,643	49,669	29,486	556	1,995	16,147	48,184	1,093	1,093	(4,086)	3,385	-	
31284	BOARD OF REAL ESTATE APPR	-	-	-	-	-	-	-	-	-	101,914	101,914	(34,776)	(34,776)	(32,362)	-	-	
31290	BD OF PROF ENGINEERS & LA	9,388	-	102,133	3,298	8,733	114,164	124,222	2,343	8,406	46,151	181,122	(13,031)	(13,031)	(35,141)	(5,756)	-	
31345	SCHOOL FAC CONSTR COMM	3,217	-	34,997	1,130	15,879	52,006	42,566	803	2,880	1,025	47,274	4,458	4,458	(3,630)	(555)	-	
31354	EXECUTIVE BRANCH ETH COMM	5,062	-	55,074	1,779	33,772	90,625	66,985	1,263	4,533	7,049	79,830	6,731	6,731	(5,683)	3,015	-	
31370	COMMISSION ON HUMAN RIGHT	16,389	-	178,304	5,758	1,185	185,247	216,867	4,090	14,675	30,019	265,651	(9,210)	(9,210)	(48,975)	(13,101)	-	
31395	COMMISSION- REAL ESTATE	-	-	-	-	-	-	-	-	-	258,958	258,958	(88,364)	(88,364)	(82,230)	-	-	
31400	COMMISSION ON WOMEN	72	-	784	25	2,230	3,039	954	18	65	110,201	110,201	(28,093)	(28,093)	(22,922)	-	-	
31415	KY COUNCIL POSTSEC EDUCAT	43,272	-	470,763	15,203	-	485,966	572,579	10,797	38,746	404,183	1,026,305	(113,930)	(113,930)	(217,306)	(95,173)	-	
31765	OFFICE OF STATE BUD DIREC	23,563	-	256,346	8,279	-	311,788	311,788	5,880	21,099	192,874	531,641	(51,220)	(51,220)	(108,579)	(55,998)	-	
35605	TRAN OFF OF THE SECRETARY	60,335	-	656,396	21,198	253,162	930,756	798,360	15,055	54,025	19,504	886,944	69,490	69,490	(81,485)	(13,683)	-	
35607	TRAN OFFICE OF LEGAL SVC	37,170	-	404,384	13,059	417,441	491,840	491,840	9,275	33,283	286,491	820,889	(91,425)	(91,425)	(177,726)	(42,873)	-	
35609	DIVISION OF FACILITY MANA	27,093	-	294,756	9,519	-	304,275	358,506	6,760	24,260	571,541	961,067	(178,685)	(178,685)	(236,232)	(63,190)	-	
35615	TRAN DEPT OF AVIATION	20,416	-	222,113	7,173	77,798	307,084	270,151	5,094	18,281	6,597	300,123	23,144	23,144	(28,395)	(10,932)	-	
35616	TRAN OFFICE OF PERSONNEL	29,921	-	325,523	10,513	23,878	359,914	395,927	7,466	26,792	25,813	455,998	(1,189)	(1,189)	(74,526)	(19,179)	-	
35617	OFFICE OF INFORMAT TECHN	37,797	-	411,200	13,279	93,208	517,687	500,134	9,431	33,844	160,006	703,415	(28,334)	(28,334)	(118,103)	(10,954)	-	
35618	OFFICE OF AUDITS	31,317	-	340,702	11,003	16,519	368,224	414,389	7,814	28,042	356,502	806,747	(115,912)	(115,912)	(184,843)	(21,857)	-	
35619	DOT PAYROLL DIVISION	12,201	-	132,734	4,287	137,021	161,441	161,441	3,044	10,925	145,317	320,727	(43,297)	(43,297)	(71,571)	(25,542)	-	
35625	TRAN DEPT OF HIGHWAYS	3,100,011	-	33,725,763	1,089,150	7,863,014	42,677,927	41,019,910	773,529	2,775,801	1,022,414	45,591,654	2,434,639	2,434,639	(5,372,971)	(2,410,036)	-	
35628	TRAN DEPT OF INTERGOV PRO	11,975	-	130,282	4,207	194,449	328,938	158,459	2,988	10,723	2,956	175,126	59,590	59,590	27,213	7,421	-	
35630	TRAN DEPT OF VEH REGULAT	123,929	-	1,348,249	43,541	73,293	1,465,083	1,639,845	30,923	110,968	509,618	2,291,354	(149,101)	(149,101)	(443,244)	(84,826)	-	
36635	CAB FOR ECONOMIC DEVELOPM	82,912	-	902,023	29,130	790,433	1,097,110	1,097,110	20,689	74,241	23,938	1,215,978	238,218	238,218	22,750	6,422	-	
39075	KHEAA DIV OF FINANCIAL AF	15,620	-	169,929	5,488	175,417	206,680	206,680	3,897	13,986	423,705	648,268	(128,474)	(128,474)	(161,263)	(54,641)	-	
39079	COMMONWEALTH OF TECHNOL	329,484	-	3,584,533	115,760	3,700,293	4,359,789	4,359,789	82,214	295,025	2,860,073	7,597,101	(846,294)	(846,294)	(1,623,965)	(580,254)	-	
39084	KY RIVER AUTHORITY	5,879	-	63,956	2,065	66,021	77,788	77,788	1,467	5,264	28,108	112,627	(8,172)	(8,172)	(22,344)	(7,916)	-	
39103	OFFICE OF PVA'S	509,812	-	5,546,364	179,116	441,887	6,167,367	6,745,922	127,211	456,494	174,523	7,504,150	90,781	90,781	(1,168,222)	(350,122)	-	
39130	DEPT OF REVENUE	601,217	-	6,540,784	211,230	487,424	7,239,438	7,955,412	150,018	538,340	1,364,104	10,007,874	(183,613)	(183,613)	(1,672,123)	(729,089)	-	
39750	OFFICE OF SECRETARY	92,552	-	1,006,893	32,517	1,039,410	1,224,662	1,224,662	23,094	82,872	176,201	1,506,829	(46,657)	(46,657)	(273,632)	(100,474)	-	
39757	FIN OFFICE OF INSP GENERAL	8,544	-	92,947	3,002	74,939	170,888	113,050	2,132	7,650	46,045	168,877	(9,120)	(9,120)	(13,587)	(16,045)	-	
39758	OFF OF THE CONTROLLER	61,656	-	670,770	21,662	21,838	714,270	815,843	15,385	55,208	138,081	1,024,517	(38,641)	(38,641)	(187,681)	(45,281)	-	
39785	DEPT FACILITIES SUPP SVCS	172,564	-	1,877,365	60,628	58,607	1,996,600	2,283,398	43,059	154,517	201,655	2,682,629	(45,753)	(45,753)	(467,260)	(127,263)	-	
50235	KY STATE FAIR BOARD	156,885	-	1,706,795	55,120	985,142	2,747,057	2,075,937	39,147	140,478	49,340	2,304,902	256,291	256,291	(134,016)	63,588	-	
50410	COMM KY HERITAGE COUNCIL	15,041	-	163,635	5,284	89,402	258,321	199,025	3,753	13,468	19,553	235,799	17,587	17,587	(19,306)	6,653	-	
50529	KY ARTS COUNCIL	8,878	-	96,589	3,119	99,708	117,479	117,479	2,215	7,950	297,365	425,009	(88,332)	(88,332)	(106,728)	(41,910)	-	
50550	KY HISTORICAL SOCIETY	30,996	-	337,216	10,890	70,120	418,226	410,148	7,734	27,755	175,128	620,765	(21,793)	(21,793)	(99,347)	(59,607)	-	
50660	DEPT OF FISH & WILDLIFE	256,695	-	2,792,648	90,187	446,221	3,329,056	3,396,637	64,052	229,849	86,158	3,776,696	128,631	128,631	(512,283)	(192,621)	-	
50665	COMM KY HORSE PARK	46,361	-	504,375	16,288	56,934	577,597	613,460	11,568	41,513	168,832	835,373	(40,544)	(40,544)	(151,168)	(25,519)	-	
50670	DEPT OF PARKS	402,468	-	4,378,551	141,402	4,519,953	5,325,536	5,325,536	100,426	360,377	1,252,687	7,039,026	(330,861)	(330,861)	(1,316,842)	(540,510)	-	
50850	COMM OFFICE OF SECRETARY	24,258	-	263,914	8,523	272,437	320,993	320,993	6,053	21,721	364,260	713,027	(105,729)	(105,729)	(161,834)	(67,301)	-	
50852	KY ARTISANS CTR AT BEREA	8,433	-	91,749	2,963	94,712	111,593	111,593	2,104	7,551	41,398	162,646	(10,918)	(10,918)	(31,547)	(14,549)	-	
50860	DEPT OF TOURISM	21,395	-	232,756	7,517	240,273	283,097	283,097	5,338	19,157	189,944	497,536	(56,083)	(56,083)	(106,566)	(38,530)	-	
51183	EDUC PROF STANDARDS BD	1,086	-	11,818	382	12,200	14,374	14,374	271	973	665,972	681,590	(179,671)	(179,671)	(179,688)	(130,359)	-	
51340	KY COMM DEAF/HARD OF HEAR	9,786	-	106,459	3,438	23,105	133,002	129,484	2,442	8,762	42,169	182,857	(7,861)	(7,861)	(31,082)	(3,052)	-	
51407	KY ENVIRONMENTAL EDUC COU	1,448	-	15,751	509	13,072	19,157	19,157	361	1,296	420	21,234	4,042	4,042	260	(248)	-	
51530	EDUC OFFICE OF SECRETARY	76,970	-	837,730	27,042	699,331	1,563,743	1,018,475	19,206	68,920	22,925	1,129,526	190,746	190,746	(3,369)	56,094	-	
51531	DEPT WORKFORCE INVESTMENT	319,917	-	3,480,449	112,399	3,592,848	4,233,194	4,233,194	79,827	286,459	4,741,511	9,340,991	(1,479,195)	(1,479,195)	(2,191,297)	(598,455)	-	
51532	KY COMM ON PROPRIETARY ED	1,476	-	16,060	519	13,477	30,056	19,533	368	1,322	444							

**Appendix A: Collective OPEB Amounts
for KERS Non-Hazardous System**

Participating Employer Code	Participating Employer Name	Implicit Subsidy Year Ending 6/30/2020	Outstanding Balance of Deferred Outflows of Resources					Outstanding Balance of Deferred Inflows of Resources					Recognition of Existing Deferred Outflows (Inflows) of Resources for Future Measurement Period Ending June 30,					
			Liability Experience	Assumption Changes	Investment Experience	Change in Proportion & Differences Between Employer Contrib. & Proportionate Share of Plan Contributions		Liability Experience	Assumption Changes	Investment Experience	Change in Proportion & Differences Between Employer Contrib. & Proportionate Share of Plan Contributions		2020	2021	2022	2023	2024	Thereafter
						Total Deferred Outflow of Resources	Total Deferred Inflow of Resources				Total Deferred Inflow of Resources							
(1)	(2)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)	(35)
57128	DEPT FOR NATURAL RESOURCE	379,881	-	4,132,813	133,466	-	4,266,279	5,026,650	94,790	340,151	1,856,203	7,317,794	(607,926)	(607,926)	(1,504,484)	(331,180)	-	-
57129	DEPT FOR ENVIRONM PROTECT	508,833	-	5,535,715	178,772	-	5,714,487	6,732,970	126,966	455,617	1,735,313	9,050,866	(527,112)	(527,112)	(1,754,330)	(527,825)	-	-
57139	OFFICE OF ADMINISTRATIVE SERVICES	62,314	-	677,924	21,893	3,642,325	4,342,142	824,544	15,549	55,797	-	895,890	1,092,058	1,092,058	894,245	367,891	-	-
57140	KY NATURE PRESERVES	11,642	-	126,653	4,090	-	798,848	154,045	2,905	10,424	-	167,374	211,367	211,367	180,722	158,760	-	-
57141	OFFICE OF ENERGY POLICY	4,673	-	50,841	1,642	-	320,671	61,836	1,166	4,184	-	67,186	84,846	84,846	72,545	63,729	-	-
58175	BRD OF CLMS & CRIME VICTI	-	-	-	-	-	-	-	-	-	122,814	122,814	(41,908)	(41,908)	(38,998)	-	-	-
58300	KY BOARD OF TAX APPEALS	-	-	-	-	-	-	-	-	-	30,740	30,740	(10,489)	(10,489)	(9,761)	-	-	-
58374	KY HORSE RACING AUTHORITY	36,301	-	394,931	12,754	192,126	599,811	480,345	9,058	32,505	11,382	533,290	58,486	58,486	(34,122)	(16,329)	-	-
58671	KY CLAIMS COMMISSION	6,478	-	70,471	2,276	43,624	116,371	85,713	1,616	5,800	178,115	271,244	(32,062)	(32,062)	(48,608)	(42,142)	-	-
58675	OFFICE OF THE SECRETARY	49,624	-	539,867	17,435	536,656	1,093,958	656,629	12,382	44,434	170,864	727,167	170,864	170,864	38,623	(13,559)	-	-
58676	DEPT OF INSURANCE	75,316	-	819,383	26,461	97,784	943,628	996,598	18,793	67,439	72,272	1,155,102	15,616	15,616	(171,974)	(70,732)	-	-
58677	OFF OF OCCUP & PROFESSION	24,443	-	265,925	8,588	353,034	627,547	323,439	6,099	21,887	6,258	357,683	109,826	109,826	43,890	6,323	-	-
58678	KY BOXING & WRESTLING AUT	907	-	9,865	319	43,873	54,057	11,999	226	812	18	13,055	14,601	14,601	11,434	366	-	-
58680	DEPT OF ALCOHOL & BEVERA	14,794	-	160,953	5,198	-	166,151	195,763	3,692	13,247	396,860	609,562	(129,349)	(129,349)	(157,978)	(26,735)	-	-
58681	DEPT OF CHARITABLE GAMING	17,911	-	194,853	6,293	-	201,146	236,996	4,469	16,037	139,285	396,787	(36,606)	(36,606)	(80,332)	(42,097)	-	-
58685	DEPT OF FINANCIAL INSTITU	87,905	-	956,338	30,884	242,314	1,229,536	1,163,173	21,934	78,711	29,156	1,292,974	63,626	63,626	(154,926)	(35,763)	-	-
58690	DEPT OF HOUSING & BUILD C	147,287	-	1,602,370	51,747	158,751	1,812,868	1,948,928	36,752	131,883	303,268	2,420,831	(55,105)	(55,105)	(412,022)	(85,731)	-	-
014A	BRECKINRIDGE CO ATTORNEY	1,711	-	18,610	601	3,746	22,957	22,636	427	1,532	570	25,165	1,074	1,074	(3,202)	(1,153)	-	-
024A	CHRISTIAN COUNTY ATTORNEY	415	-	4,513	146	1,418	6,077	5,489	104	371	136	6,100	358	358	(71)	-	-	-
031A	EDMONSON COUNTY ATTORNEY	689	-	7,498	242	-	7,740	9,119	172	617	6,185	16,093	(1,962)	(1,962)	(3,550)	(880)	-	-
060A	KNOTT COUNTY ATTORNEY	1,961	-	21,336	689	41,790	25,951	19,765	489	1,756	580	28,776	5,156	5,156	2,437	-	-	-
071A	LOGAN COUNTY ATTORNEY	1,887	-	20,532	663	9,209	30,404	24,972	471	1,690	7,777	34,910	(141)	(141)	(4,638)	412	-	-
086A	MONROE CO ATTORNEY	508	-	5,524	178	7,427	7,427	6,719	127	455	167	7,468	435	435	(824)	-	-	-
116A	WAYNE COUNTY ATTORNEY	593	-	6,454	208	1,899	8,561	7,850	148	531	109,274	117,803	(28,226)	(28,226)	(29,461)	(23,329)	-	-
W002	ALLEN COUNTY ATTORNEY	1,625	-	17,675	571	2,502	20,748	21,497	405	1,455	21,167	44,524	(6,491)	(6,491)	(10,008)	(787)	-	-
W003	ANDERSON COUNTY ATTORNEY	116	-	1,259	41	-	1,300	1,532	29	104	30,317	31,982	(9,810)	(9,810)	(9,523)	(1,538)	-	-
W005	BARREN COUNTY ATTORNEY	4,465	-	48,578	1,569	30,294	80,441	59,085	1,114	3,998	10,160	74,357	4,726	4,726	(6,132)	2,766	-	-
W007	BELL COUNTY ATTORNEY	3,142	-	34,178	1,104	65	35,347	41,569	784	2,813	26,730	71,896	(6,989)	(6,989)	(14,660)	(7,912)	-	-
W008	BOONE COUNTY ATTORNEY	11,112	-	120,889	3,904	-	124,793	147,035	2,773	9,950	30,811	190,569	(8,949)	(8,949)	(35,957)	(11,920)	-	-
W011	BOYLE COUNTY ATTORNEY	169	-	1,837	59	3,998	2,234	42	151	6,891	9,318	19,318	(1,288)	(1,288)	(1,552)	705	-	-
W015	BULLITT COUNTY ATTORNEY	625	-	6,798	220	7,018	7,018	8,268	156	560	47,367	56,351	(13,214)	(13,214)	(14,440)	(8,466)	-	-
W021	CARROLL COUNTY ATTORNEY	1,391	-	15,133	489	4,510	20,132	18,406	347	1,245	460	20,458	1,126	1,126	(2,318)	(261)	-	-
W022	CHILD SUPPORT ENFORCEMENT	1,649	-	17,943	579	56,966	75,488	21,824	412	1,477	349	24,062	14,990	14,990	10,790	10,659	-	-
W023	CASEY COUNTY ATTORNEY	1,280	-	13,926	450	1,369	15,745	16,938	319	1,146	13,636	32,039	(3,114)	(3,114)	(6,265)	(3,801)	-	-
W025	CLARK COUNTY ATTORNEY	2,591	-	28,190	910	12,473	41,573	34,287	647	2,320	18,067	55,321	(2,758)	(2,758)	(8,759)	530	-	-
W028	CRITTENDEN CO ATTORNEY	456	-	4,956	160	5,116	6,028	6,028	114	408	34,224	40,774	(10,427)	(10,427)	(11,080)	(3,723)	-	-
W030	DAVISS COUNTY ATTORNEY	839	-	9,130	295	-	9,425	11,105	209	751	24,919	36,984	(7,260)	(7,260)	(9,075)	(3,965)	-	-
W036	FLOYD COUNTY ATTORNEY	1,766	-	19,214	621	-	19,835	23,369	441	1,581	352,082	377,473	(93,944)	(93,944)	(97,169)	(72,582)	-	-
W037	FRANKLIN COUNTY ATTORNEY	4,735	-	51,514	1,664	-	53,178	62,655	1,182	4,240	9,967	78,044	(2,758)	(2,758)	(14,335)	(5,017)	-	-
W039	GALLATIN COUNTY ATTORNEY	-	-	-	-	-	-	-	-	-	3,436	3,436	(1,173)	(1,173)	(1,091)	-	-	-
W040	GARRARD COUNTY ATTORNEY	1,385	-	15,071	487	-	15,558	18,331	346	1,240	14,753	34,760	(3,949)	(3,949)	(7,303)	(3,912)	-	-
W041	GRANT COUNTY CHILD SUPPOR	541	-	5,886	190	3,903	9,979	7,159	135	484	167	7,945	1,039	1,039	(314)	270	-	-
W042	GRAVES COUNTY ATTORNEY	3,213	-	34,959	1,129	474	36,562	42,520	802	2,877	39,595	85,794	(10,249)	(10,249)	(18,074)	(10,661)	-	-
W046	HANCOCK COUNTY ATTORNEY	407	-	4,428	143	-	4,571	5,386	102	364	3,167	9,019	(858)	(858)	(1,844)	(887)	-	-
W049	HARRISON COUNTY ATTORNEY	1,491	-	16,220	524	755	17,499	19,728	372	1,335	31,494	52,929	(8,042)	(8,042)	(11,652)	(7,696)	-	-
W053	HICKMAN COUNTY ATTORNEY	627	-	6,822	220	-	7,042	8,297	156	561	2,027	11,041	(660)	(660)	(2,162)	(517)	-	-
W054	HOPKINS COUNTY ATTORNEY	5,158	-	56,114	1,812	9,145	67,071	68,251	1,287	4,618	61,135	135,291	(12,945)	(12,945)	(25,711)	(16,617)	-	-
W055	JACKSON COUNTY ATTORNEY	256	-	2,787	90	2,414	5,291	3,390	64	229	76	3,759	640	640	(1)	253	-	-
W056	JEFFERSON CO ATTORNEY	1,507	-	16,398	530	-	16,928	19,944	376	1,350	161,187	182,577	(46,572)	(46,572)	(48,782)	(24,004)	-	-
W062	LARUE COUNTY ATTORNEY	1,811	-	19,698	636	-	20,334	23,958	452	1,621	10,427	36,458	(3,111)	(3,111)	(7,436)	(2,467)	-	-
W063	LAUREL COUNTY ATTORNEY	597	-	6,498	210	9,025	15,733	7,903	149	535	2,579	11,166	1,529	1,529	92	1,417	-	-
W065	LEE COUNTY ATTORNEY	860	-	9,358	302	-	9,660	11,382	215	770	19,980	32,347	(5,332)	(5,332)	(7,383)	(4,639)	-	-
W073	MCCRACKEN COUNTY ATTORNEY	432	-	4,696	152	4,848	5,712	5,712	108	387	41,156	47,363	(11,766)	(11,766)	(12,480)	(6,503)	-	-
W074	MCCRACKEN COUNTY ATTORNEY	2,317	-	25,208	814	8,690	34,712	30,659	578	2,075	760	34,072	2,148	2,148	(3,580)	(76)	-	-
W076	MADISON COUNTY ATTORNEY	11,756	-	127,895	4,130	282,713	414,738	155,555	2,933	10,526	16,507	185,521	69,506	69,506	40,195	50,009	-	-
W077	MAGOFFIN CO ATTORNEY	1,420	-	15,450	499	1,626	17,575	18,792	354	1,272	5,255	25,673	(1,301)	(1,301)	(4,688)	(807)	-	-
W082	MEADE COUNTY ATTORNEY	1,707	-	18,576	600	6,330	25,506	22,593	426	1,529	14,321	38,869	(3,141)	(3,141)	(7,034)	(48)	-	-
W083	MENIFEE COUNTY ATTORNEY	302	-	3,288	106	3,394	4,000	4,000	75	271	2,490	6,836	(754)	(754)	(1,464)	(469)	-	-
W084	MERCER COUNTY ATTORNEY	610	-	6,635	214													

APPENDIX B

COLLECTIVE OPEB AMOUNTS – KERS HAZARDOUS SYSTEM

**Appendix B: Collective OPEB Amounts
for KERS Hazardous System**

Participating Employer Code	Participating Employer Name	2019		2018		Employer Contributions for FYE June 30, 2019			Net OPEB Liability as of June 30, 2019					OPEB Expense			
		Proportionate Share	Proportionate Share	Employer Contributions	Implicit Subsidy	Total Contributions	Discount Rate 5.66%	Discount Rate Less 1.00% 4.66%	Discount Rate Plus 1.00% 6.66%	Health Care Trend Rate 1% Decrease	Health Care Trend Rate 1% Increase	Proportionate Share of Aggregate Plan OPEB Expense	Deferred Amounts from Changes in Proportion & Differences Between Employer Contrib. & Proportionate Share of Plan Contributions		Gross Employer OPEB Expense	Proportionate Share of Nonemployer Contributions	Net Employer OPEB Expense
													(13)	(14)			
1430	EASTERN KY UNIV	0.722071%	0.627605%	28,154	4,233	32,387	(193,867)	325,674	(614,206)	(564,011)	256,527	67,913	(8,923)	58,990	-	58,990	
1440	MOREHEAD STATE UNIVERSITY	0.277772%	0.303345%	10,830	1,629	12,459	(74,578)	125,283	(236,278)	(216,968)	98,683	26,125	508	26,633	-	26,633	
1445	MURRAY STATE UNIV	0.399241%	0.411632%	15,566	2,341	17,907	(107,191)	180,069	(339,601)	(311,848)	141,837	37,550	(3,173)	34,377	-	34,377	
1450	NORTHERN KY UNIVERSITY	0.372729%	0.386561%	14,533	2,185	16,718	(100,073)	168,111	(317,050)	(291,139)	132,418	35,056	(2,467)	32,589	-	32,589	
1465	WESTERN KENTUCKY UNIV	0.693165%	0.628238%	27,027	4,064	31,091	(186,107)	312,637	(589,618)	(541,432)	246,258	65,194	(9,832)	55,362	-	55,362	
3801	KENTUCKY STATE UNIVERSITY	0.071803%	0.185920%	2,800	421	3,221	(19,278)	32,385	(61,077)	(56,085)	25,509	6,753	(3,515)	3,238	-	3,238	
31040	ATTORNEY GENERALS OFFICE	0.501906%	0.502027%	19,569	2,943	22,512	(134,756)	226,373	(426,930)	(392,039)	178,310	47,206	667	47,873	-	47,873	
31095	DEPT MILITARY AFFAIRS	1.048625%	1.001038%	40,886	6,148	47,034	(281,543)	472,959	(891,979)	(819,082)	372,541	98,626	(9,734)	88,892	-	88,892	
35615	TRAN DEPT OF AVIATION	0.091069%	0.119831%	3,551	534	4,085	(24,451)	41,075	(77,465)	(71,134)	32,354	8,565	1,511	10,076	-	10,076	
39079	COMMONWEALTH OF TECHNOL	0.230397%	0.301898%	8,983	1,351	10,334	(61,859)	103,915	(195,980)	(179,963)	81,852	21,669	8,535	30,204	-	30,204	
50660	DEPT OF FISH & WILDLIFE	3.229617%	3.390832%	125,923	18,935	144,858	(867,114)	1,456,647	(2,747,170)	(2,522,658)	1,147,373	303,754	(3,269)	300,485	-	300,485	
50665	COMM KY HORSE PARK	0.203855%	0.187745%	7,948	1,195	9,143	(54,733)	91,944	(173,403)	(159,231)	72,423	19,173	(867)	18,306	-	18,306	
50670	DEPT OF PARKS	0.838890%	0.823996%	32,708	4,918	37,626	(225,232)	378,363	(713,575)	(655,258)	298,029	78,900	(4,936)	73,964	-	73,964	
53729	OFF HUMAN RESOURCE MANAGE	2.151722%	2.272155%	83,896	12,616	96,512	(577,712)	970,486	(1,830,293)	(1,680,713)	764,434	202,375	(1,616)	200,759	-	200,759	
54520	J&PS DEPT OF KY STATE POL	3.236625%	3.645951%	126,196	18,976	145,172	(868,995)	1,459,807	(2,753,131)	(2,528,132)	1,149,863	304,414	27,896	332,310	-	332,310	
54527	J&PS DEPT OF CORRECTIONS	84.776185%	84.075419%	3,305,427	497,041	3,802,468	(22,761,394)	38,236,403	(72,112,129)	(66,218,802)	30,118,099	7,973,438	(566,753)	7,406,685	-	7,406,685	
58676	DEPT OF INSURANCE	0.264411%	0.188288%	10,309	1,550	11,859	(70,991)	119,257	(224,913)	(206,532)	93,936	24,869	38	24,907	-	24,907	
58680	DEPT OF ALCOHOL & BEVERA	0.889917%	0.947519%	34,698	5,218	39,916	(238,932)	401,377	(756,979)	(695,115)	316,157	83,699	(5,946)	77,753	-	77,753	
TOTAL		100.000000%	100.000000%	3,899,004	586,298	4,485,302	(26,848,806)	45,102,765	(85,061,777)	(78,110,142)	35,526,603	9,405,279	(581,876)	8,823,403	-	8,823,403	

**Appendix B: Collective OPEB Amounts
for KERS Hazardous System**

Participating Employer Code (1)	Participating Employer Name (2)	Implicit Subsidy Year Ending 6/30/2020 (18)	Outstanding Balance of Deferred Outflows of Resources					Outstanding Balance of Deferred Inflows of Resources					Recognition of Existing Deferred Outflows (Inflows) of Resources for Future Measurement Period Ending June 30,					
			Liability Experience (19)	Assumption Changes (20)	Investment Experience (21)	Change in Proportion & Differences Between Employer Contrib. & Proportionate Share of Plan Contributions (22)	Total Deferred Outflow of Resources (23)	Liability Experience (24)	Assumption Changes (25)	Investment Experience (26)	Change in Proportion & Differences Between Employer Contrib. & Proportionate Share of Plan Contributions (27)	Total Deferred Inflow of Resources (28)	2020 (29)	2021 (30)	2022 (31)	2023 (32)	2024 (33)	Thereafter (34)
1430	EASTERN KY UNIV	9,615	-	529,962	21,092	-	551,054	346,124	2,872	133,405	44,364	526,765	4,944	4,944	43,932	(8,848)	(18,946)	(1,739)
1440	MOREHEAD STATE UNIVERSITY	3,699	-	203,870	8,114	6,142	218,126	133,150	1,105	51,319	2,298	187,872	5,843	5,843	20,841	615	(3,290)	404
1445	MURRAY STATE UNIV	5,316	-	293,022	11,662	593	305,277	191,376	1,588	73,761	13,564	280,289	4,494	4,494	26,051	(3,089)	(7,122)	157
1450	NORTHERN KY UNIVERSITY	4,963	-	273,563	10,888	1,318	285,769	178,667	1,483	68,863	11,134	260,147	4,691	4,691	24,817	(2,381)	(6,381)	187
1465	WESTERN KENTUCKY UNIV	9,230	-	508,747	20,248	-	528,995	332,268	2,757	128,065	46,573	509,663	3,480	3,480	40,907	(9,777)	(17,536)	(1,223)
3801	KENTUCKY STATE UNIVERSITY	956	-	52,700	2,097	37,917	92,714	34,419	286	13,266	46,395	94,366	(2,136)	(2,136)	1,741	(3,526)	2,440	1,966
31040	ATTORNEY GENERALS OFFICE	6,683	-	368,373	14,661	10,643	393,677	240,588	1,997	92,729	7,555	342,869	10,306	10,306	37,406	847	(7,989)	(69)
31095	DEPT MILITARY AFFAIRS	13,963	-	769,636	30,631	-	800,267	502,657	4,171	193,737	44,986	745,551	10,404	10,404	67,025	(9,554)	(22,592)	(974)
35615	TRAN DEPT OF AVIATION	1,213	-	66,840	2,660	9,041	78,541	43,654	362	16,825	693	61,534	3,260	3,260	8,177	1,572	253	485
39079	COMMONWEALTH OF TECHNOL	3,068	-	169,099	6,730	43,734	219,563	110,440	916	42,567	2,117	156,040	12,960	12,960	25,400	8,770	2,227	1,205
50660	DEPT OF FISH & WILDLIFE	43,004	-	2,370,369	94,339	25,404	2,490,112	1,548,113	12,847	596,683	28,926	2,186,569	58,755	58,755	233,138	(2,205)	(47,230)	2,331
50665	COMM KY HORSE PARK	2,714	-	149,619	5,955	3,743	159,317	97,718	811	37,663	8,426	144,618	3,048	3,048	14,055	(817)	(4,326)	(308)
50670	DEPT OF PARKS	11,170	-	615,701	24,504	-	640,205	402,121	3,337	154,988	22,154	582,600	11,175	11,175	56,471	(4,739)	(16,099)	(378)
53729	OFF HUMAN RESOURCE MANAGE	28,651	-	1,579,251	62,853	21,327	1,663,431	1,031,425	8,559	397,538	20,440	1,457,962	39,707	39,707	155,889	(895)	(30,719)	1,779
54520	J&PS DEPT OF KY STATE POL	43,097	-	2,375,513	94,543	169,433	2,639,489	1,551,472	12,875	597,978	22,057	2,184,382	90,054	90,054	264,816	29,533	(25,975)	6,625
54527	J&PS DEPT OF CORRECTIONS	1,128,826	-	62,221,259	2,476,351	-	64,697,610	40,637,348	337,232	15,662,690	2,487,281	59,124,551	1,061,344	1,061,342	5,638,841	(547,861)	(1,616,383)	(24,223)
58676	DEPT OF INSURANCE	3,521	-	194,064	7,724	25,323	227,111	126,745	1,052	48,851	29,632	206,280	5,116	5,116	19,393	112	(7,549)	(1,356)
58680	DEPT OF ALCOHOL & BEVERA	11,850	-	653,152	25,995	11,454	690,601	426,581	3,540	164,415	33,656	628,192	11,145	11,145	59,196	(5,735)	(14,211)	871
TOTAL		1,331,539	-	73,394,740	2,921,047	366,072	76,681,859	47,934,866	397,790	18,475,343	2,872,252	69,680,251	1,338,590	1,338,588	6,738,096	(557,976)	(1,841,428)	(14,261)

