

**Kentucky Public Pensions Authority
Special Called Board Meeting
March 14, 2023, at 10:00 a.m. EST (9:00 a.m. CT)
Live Video Conference/Facebook Live
AGENDA**

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| 1. Call to Order | Jerry Powell |
| 2. Legal Opening Statement | Legal Services |
| 3. Roll Call | Sherry Rankin |
| 4. Public Comment | Sherry Rankin |
| 5. Approval of Minutes – December 7, 2022* | Jerry Powell |
| 6. Joint Audit Committee Report and Recommendations*
a. GASB 68 and GASB 75 Proportionate Share Audits | Kristen Coffey
Connie Davis |
| 7. Quarterly Financial Statements | Mike Lamb |
| 8. Investment Department Update | Steve Willer |
| 9. Election Services RFP | Kristen Coffey |
| 10. MMRO Analysis | Erin Surratt |
| 11. Budget Planning** | Rebecca Adkins
Mike Lamb |
| 12. KPPA Update | David Eager |
| 13. New Business** | Jerry Powell |
| 14. Closed Session** | Jerry Powell |
| 15. Adjourn* | Jerry Powell |

**Board Action Required*

***Board Action May Be Required*

**MINUTES OF MEETING
KENTUCKY PUBLIC PENSIONS AUTHORITY
MEETING VIA LIVE VIDEO TELECONFERENCE
DECEMBER 7, 2022, AT 10:00 AM ET**

At the meeting of the Board of the Kentucky Public Pensions Authority held on December 7, 2022, the following members were present: Jerry Powell (Chair), John Cheshire, Prewitt Lane, William O'Mara, Betty Pendergrass, Lynn Hampton, Dr. Merl Hackbart, and Keith Percy. Other Trustees present were KRS Trustees Ramsey Bova and William Summers, V. Staff members present were KRS CEO John Chilton, CERS CEO Ed Owens, III, David Eager, Rebecca Adkins, Erin Surratt, Michael Board, Steve Willer, D'Juan Surratt, Connie Davis, Kristen Coffey, Ashley Gabbard, Victoria Hale, Jessica Beaubien, Leigh Ann Davis, Elizabeth Smith, Carrie Bass, Ann Case, Shaun Case, Katie Park, and Sherry Rankin. Others present included Allen Norvell and Ryan Graham with Blue & Co.

Mr. Powell called the meeting to order.

Mr. Board read the Legal Public Statement.

Ms. Rankin called roll.

Ms. Rankin advised that a **Public Comment** was received from Von Gore and read it aloud to the KPPA Board of Trustees: I retired in 1999 from Juvenile Corrections. My question is will there be any cost of living raise anytime in the near future?

Mr. Powell stated that Mr. Eager would address this subject during the *KPPA Update*.

Mr. Powell introduced agenda item ***Approval of Meeting Minutes – September 29, 2022, October 31, 2022, and November 29, 2022 (Video 00:05:57 to 00:06:52)***. Ms. Pendergrass advised the KPPA Board of a possible error within the September 29, 2022, minutes regarding unrealized gains/losses (p.3). Mr. O'Mara made a motion to approve the minutes from the September 29, 2022, the October 21, 2022, and the November 29, 2022, meetings with the discussed modifications to the September 29, 2022, minutes. Ms. Pendergrass seconded the motion and the motion passed unanimously.

Mr. Powell introduced agenda item ***Joint Audit Committee Reports*** (Video 00:06:53 to 00:15:14). Ms. Kristen Coffey stated that the Joint Audit Committee met on November 28, 2022, and requests ratification of the Committee's approval of the draft results of the fiscal year ended June 30, 2022, audit, including the draft Financial Section of the Annual Report and the purchase of Infrastructure and Application Security Assessment. Ms. Coffey advised that the CERS and KRS Boards of Trustees had also ratified these actions of the Joint Audit Committee. Mr. Ryan Graham briefly presented the draft results of the fiscal year ended June 30, 2022, audit. Ms. Coffey reported that several other items were also discussed during the Joint Audit Committee meeting such as an update on invalid addresses and an update on the inability of JP Morgan Chase to serve as a fiduciary. Ms. Adkins reminded the Board of Trustees that the GASB 67 and GASB 74 reports were also included in the presented audit report. Mr. O'Mara made a motion to accept the Independent Auditors Report for fiscal year ending June 30, 2022, including the GASB 67 and GASB 74 reports and was seconded by Ms. Pendergrass. The motion passed unanimously. Ms. Hampton made a motion to approve the expenditure for the Infrastructure and Application Security Assessment. Mr. O'Mara seconded the motion and the motion passed unanimously.

Mr. Powell introduced agenda item ***Quarterly Financial Statements*** (Video 00:15:15 to 00:29:36). Ms. Rebecca Adkins reviewed the Combining Statement of Fiduciary Net Position of the Pension Funds as of September 30, 2022. Next, Ms. Adkins briefly reviewed the Combining Statement of Changes in Fiduciary Net Position of the Pension Funds for the three-month period ending September 30, 2022, Combining Statement of Fiduciary Net Position of Insurance Funds as of September 30, 2022, and the Combining Statement of Changes in Fiduciary Net Position of Insurance Funds for the three-month period ending September 30, 2022, with the KPPA Board of Trustees. Ms. Davis went on to present the CERS, KERS, and SPRS Pension and Insurance Funds Contribution Reports for three-month period ending September 30, 2022. Lastly, Ms. Adkins briefly presented the KPPA Administrative Budget FY 2022-2023 for the three-month period ending September 30, 2022, CERS Outstanding Invoices by Type and Employer, and Penalty Invoices Report.

Mr. Powell introduced agenda item ***Approval of Annual Comprehensive Financial Report and Summary Annual Financial Report*** (Video 00:29:37 to 00:35:00). Ms. Connie Davis provided an update on the Annual Comprehensive Financial Report (ACFR) and Summary Annual Financial Report (SAFR). She advised that the ACFR was in the final stages of production and would be submitted to the Government Finance Officers Association around the 16th of December. Ms.

Davis reported that the SAFR was under review and would be sent to the printer mid-December. Ms. Adkins commended the teamwork demonstrated by the KPPA Division of Accounting, KPPA Office of Investments, KPPA Division of Communications, and the KPPA Division of Internal Audit to complete the ACFR. Ms. Pendergrass and Mr. Powell also applauded all Staff involved. Dr. Hackbart made a motion to approve the Annual Comprehensive Financial Report and the Summary Annual Financial Report with minor modifications which may occur prior to printing. Ms. Pendergrass seconded the motion and the motion passed unanimously.

Mr. Powell introduced agenda item ***Investment Department Update*** (Video 00:35:01 to 00:50:34). Mr. Steve Willer presented the item. He provided highlights of what was recently presented to the CERS and KRS Boards of Trustees and Investment Committees. For the quarter, the KPPA Pension Trust portfolio fell -2.77%, outperforming a blended benchmark return of -4.41%. Relative outperformance was driven by solid performance in the Core Fixed Income and Public Equities portfolios. The portfolios also benefitted from overweights to Specialty Credit, and to cash during a weak quarter. The KPPA Insurance Trust portfolio fell -2.82%, said Mr. Willer. Mr. Willer also reviewed the Plan Sponsor Peer Group Analysis – Multi Statistics and Asset Allocation Compliance for the periods ended as of September 30, 2022.

Mr. Powell introduced agenda item ***Administrative Regulations –105 KAR 1:360 and 105 KAR 1:001*** (Video 00:50:35 to 00:54:24). Ms. Jessica Beaubien, Regulation Policy Specialist led the discussion. She briefly reviewed 105 KAR 1:360 and 105 KAR 1:001 with the Board of Trustees. Ms. Beaubien stated that 105 KAR 1:360 is a new administrative regulation which outlines the administrative regulations for the hybrid cash balance plan tier and provides the requirements for the “Hybrid Cash Balance Plan Opt-In Election” and “Separation of Accounts” that members use to separate their retirement accounts with any state-administered retirement system. Ms. Beaubien reported that 105 KAR 1:360 was presented to the Ad Hoc Regulation Committee on November 22, 2022, and the Committee approved sending the regulation to the full Board for approval upon completion of edits to Section 1(1), Section 2(3)(b)1., and Section 5(6). Next, Ms. Beaubien reviewed 105 KAR 1:001 which is a new administrative regulation establishing universal definitions for Title 105 of the Kentucky Administrative Regulations. Title 105 contains regulations for the Kentucky Public Pensions Authority, the County Employees Retirement System, and the Kentucky Retirement Systems. 105 KAR 1:001 was presented to the Ad Hoc Regulation Committee on November 22, 2022. The Committee approved sending the regulation to the full Board for approval upon completion of an edit to Section 1(44). Mr. Peercy made a motion to approve Administrative

Regulations 105 KAR 1:360 and 105 KAR 1:001 as presented. Mr. Lane seconded the motion. Ms. Pendergrass opposed 105 KAR 1:360, however, the motion passed.

Mr. Powell introduced agenda item **KPPA Update** (*Video 00:54:25 to 01:11:32*). Mr. Eager reported that seven Board/Committee meetings had taken place within the last ten days. He expressed gratitude for the Executive Support Staff and urged Trustees to be mindful of Staff when scheduling Special Called meetings. During fiscal year 2022, 81 Board/Committee meetings occurred, said Mr. Eager. He reported that the Housekeeping Bill is almost completed and will be presented to the Public Pension Oversight Board (PPOB) on Monday, December 19th. Retirements decreased across all plans, said Mr. Eager. Staffing at KPPA remained at 248 employees. The newly hired Chief Financial Officer (CFO) begins work on January 9, 2023, and the new Senior Investment Analyst is scheduled to begin in mid-December said Mr. Eager. Recruitment within the Office of Investments continues to fill several other vacant positions. Mr. Eager stated that the ongoing Request for Proposals (RFP) and Key Performance Indicator (KPI) projects remain in progress. Mr. Eager addressed the subject of a COLA. He advised that the KPPA Division of Communications has a standard statement regarding COLAs and stated that those who submit a public comment regarding COLAs will be provided with that response. Ms. Adkins briefly reviewed the FY2022 KPPA Administrative Expenses, FY2022 Investment Expenses, FY2021 and FY2022 Board Separation Expenditures with the KPPA Board of Trustees.

Mr. Powell advised that there was no **New Business** to discuss.

Mr. Powell introduced agenda item **Closed Session** (*Video 01:11:33 to 01:13:08*). Mr. Board advised that there was no additional information to provide to the KPPA Board of Trustees; therefore, a closed session was not necessary unless the Board had questions regarding the closed session material provided. The KPPA Board of Trustees did not enter closed session.

Mr. Powell opened the floor for adjournment. Ms. Pendergrass made a motion and seconded by Ms. Hampton to **adjourn** the meeting. The motion passed unanimously.

Copies of all documents presented are incorporated as part of the Minutes of the KPPA Board held

December 7, 2022, except documents provided during a closed session conducted pursuant to the open meetings act and exempt under the open records act.

CERTIFICATION

I do certify that I was present at this meeting, and I have recorded the above actions of the Board on the various items considered by it at this meeting. Further, I certify that all requirements of KRS 61.805-61.850 were met in conjunction with this meeting.

Recording Secretary

We, the Chair of the Board of Kentucky Public Pensions Authority and Executive Director, do certify that the Minutes of Meeting held on December 7, 2022, were approved on March 23, 2023.

KPPA Board Chair

Executive Director

I have reviewed the Minutes of the December 7, 2022, Kentucky Public Pensions Authority Meeting for content, form, and legality.

Executive Director. Office of Legal Services



KENTUCKY PUBLIC PENSIONS AUTHORITY

David L. Eager, Executive Director

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Kentucky Public Pensions Authority

To: Kentucky Public Pensions Authority

From: William O'Mara, Chair
Joint Audit Committee
Kristen N. Coffey, CICA *KNC*
Division Director, Internal Audit Administration

Date: March 14, 2023

Subject: Summary of Joint Audit Committee Meeting

The County Employees Retirement System (CERS) and Kentucky Retirement Systems (KRS) Joint Audit Committee held a regularly scheduled meeting on February 28, 2023.

1. The following items were accepted by the Joint Audit Committee and those actions were ratified by both the CERS Board of Trustees and KRS Board of Trustees:
 - a. **Results of the GASB 68 and GASB 75 Proportionate Share audits for fiscal year ended June 30, 2022*** – *The Joint Audit Committee and the Boards of Trustees for CERS and KRS unanimously accepted the reports as presented.*

RECOMMENDATION: The Joint Audit Committee together with the Boards of Trustees for CERS and KRS are requesting that the KPPA approve the reports and publish them to the KPPA website.

2. **The Division of Internal Audit Administration has issued the following audit reports since the last KPPA meeting. Action is needed by KPPA management to implement the recommendations.**
 - a. Review of Chase Accounts – *12 reportable findings* (attached).
 - b. Outstanding recommendations from the prior fiscal year – *18 recommendations not yet implemented* (attached). Since preparation of this report, the first two findings have been resolved, leaving 16 open items.
3. **The following other items were also discussed during the Joint Audit Committee meeting. These are presented for informational purposes only.**
 - a. Updates to the external Audit Report presentation for fiscal year 2023.
 - b. Financial statements for the quarter ended December 31, 2022.
 - c. LRC audit reporting requirements for fiscal year ended June 30, 2022.
 - d. Internal Audit Budget – *43.67% of budget remaining*. Internal Audit Director will work with CFO to determine if a revision to the budget needs to be presented for the second half of fiscal year 2023.
 - e. Status of current internal audits – *14 open projects and 4 completed projects*.

***KPPA Board action required**

Attachment



Kentucky Public Pensions Authority

Internal Audit Administration



To: Members of the Joint Audit Committee

From: Kristen N. Coffey, CICA *KNC*
Division Director, Internal Audit Administration

Date: February 28, 2023

Subject: Follow-up on Open Audit Findings

The Division of Internal Audit Administration (Internal Audit) has been working on a project to review all open internal audit findings. An open finding is defined as a finding with a recommendation that has not yet been implemented. Attached is a list of open audit findings as of February 17, 2023. An update on the status of these items will be presented at the next Audit Committee meeting. This is presented for informational purposes only.

No action requested of the Joint Audit Committee.

KPPA Board Meeting - Joint Audit Committee Report and Recommendations

Open Audit Findings and Recommendations

Entity	Project Name	Business Contact	Issue Title	Recommendation Title	Recommendation State	Implementation Due Date	Days Overdue	Notes
Cash Management Branch	AP Invoice Review	Connie Davis	Invoices not Submitted to Accounting Timely	Update Procedures to Include Timeline on Submitting Documentation	In Progress	7/1/2019	949.00	Exceptions noted during follow-up. Questions with Accounting to determine cause of the exceptions. Status of finding will be presented at the May Audit Committee meeting.
Cash Management Branch	AP Invoice Review	Connie Davis	Invoices not Paid Timely	Ensure Invoices are Paid in Compliance with State Statutes	In Progress	9/30/2019	884.00	Exceptions noted during follow-up. Questions with Accounting to determine cause of the exceptions. Status of finding will be presented at the May Audit Committee meeting.
Cash Management Branch	AP Invoice Review	Connie Davis	Miscellaneous Invoice Issues	Correct Miscoded Expenditures and Ensure PII is not uploaded in eMARS	In Progress	12/31/2019	818.00	Instances of PII were noted during follow-up testing. Worked with Legal Services on a resolution. Auditor will follow-up with Legal prior to the May Audit Committee meeting to determine if corrective action was implemented.
Executive Director	PPW FY 2020	Liz Smith	Budget not Approved Timely	Ensure Budget is Approved Prior to Start of Fiscal Year	Not Started	2/28/2021	516.00	Follow-up testing requested from PPW Board of Directors on 2/21/2023. Will present status of findings at Audit Committee meeting in May.
Executive Director	PPW FY 2020	Anne Baker; Connie Davis	Duplicate Payment	Document Procedure to Review for Carry-Forward Balances	Not Started	2/28/2021	516.00	Follow-up testing requested from PPW Board of Directors on 2/21/2023. Will present status of findings at Audit Committee meeting in May.
Executive Director	PPW FY 2020	Anne Baker	Invoice Receipt Date Unknown	Stamp Invoices with Date of Receipt	Not Started	2/28/2021	516.00	
Executive Director	PPW FY 2020	Liz Smith	Payment does not Match Invoice	Ensure Payment Matches Invoice Amount	Not Started	2/28/2021	516.00	
Executive Director	PPW FY 2020	Connie Davis	PPW Policies not Up-to-Date	Update Policies	Not Started	2/28/2021	516.00	
Executive Director	PPW FY 2020	Liz Smith	PPW Unidentifiable Assets	Identify Fixed Assets	Not Started	2/28/2021	516.00	
Executive Director	PPW FY 2020	Liz Smith	Rent Payments not made Timely	Ensure Rent is Receive Timely	Not Started	2/28/2021	516.00	
Cash Management Branch	Employer Penalty Waiver	Connie Davis	Policies and Procedures are not Up-to-Date	Update Employer Penalty Invoice Waiver Policy and Related Procedures	Management Response-Accepted	2/28/2022	254.00	
Cash Management Branch	Employer Penalty Waiver	Connie Davis	Support for Waivers not Easily Accessible by Staff	Support for Waivers not Easily Accessible by Staff	Reviewed-Accepted	2/28/2022	254.00	Follow-up testing not yet completed. Status of finding will be presented at the May Audit Committee meeting.
Procurement Branch	Procurement and Contract Management	Kathy McNaughton	Training not Provided for Contract Monitoring	Provide Training to Those Responsible for Contract Monitoring	In Progress	2/28/2023		Training is to be provided to those who monitor contracts in February 2023. Status of finding will be presented at the May Audit Committee meeting.
Office of Investments	Custodial Fee Payment Process	Steve Willer	Duplicate Services may be Provided	Determine if Duplicate Investment Services are Being Provided by Vendors	In Progress	2/28/2023		Duplication of services is currently under review by the Investment Compliance Officer. Status of finding will be presented at the May Audit Committee meeting.
Office Services Branch	Building Security	Anne Baker	Policy Manual not Developed	Develop Policy Manual Specific to Building Security	In Progress	6/30/2023		Security Manual will be developed, but additional time is needed. New implementation date of 6/30/2023 was provided.
Security	Security Access Review	Chris Johnson	Manual Reviews not Completed Timely	Establish Deadline for Completing Manual Reviews	Management Response-Submitted	8/31/2023		One of two manual reviews tested was not completed timely. Staff indicated that follow-up was conducted with the responsible individual via Skype; however, there is no evidence to show that proper follow-up was taken. New remediation date of August 2023 was provided.
Security	Security Access Review	Chris Johnson	Security Access Reviews not Completed Timely	Establish Deadline for Completing Security Access Reviews	Management Response-Submitted	8/31/2023		Two of seven Security Access Reviews tested were not completed timely. Staff indicated that follow-up was conducted with the responsible individual via Skype; however, there is no evidence to show that proper follow-up was taken. New remediation date of August 2023 was provided.
Office Services Branch	Building Security	Anne Baker	Additional Security Training Needed	Provide Additional Security Training to Staff	In Progress	9/29/2023		Training on Building Security procedures will be conducted after the Building Security Manual is developed. New remediation date of 9/30/2023 was provided.



Kentucky Public Pensions Authority

Internal Audit Administration



To: Members of the Joint Audit Committee

From: Kristen N. Coffey, CICA *KNC*
Division Director, Internal Audit Administration

Date: February 28, 2023

Subject: Final Audit Report Released

Please find attached the final audit report entitled **Review of Chase Accounts**. The report is dated February 22, 2023. The Division of Internal Audit Administration noted 12 findings, which are summarized below. The detailed findings and recommendations as well as management's responses are attached for your review.

Summary of Audit Results

1. Use of non-custodial accounts.
2. Lack of controls over access to non-custodial accounts.
3. KERS funds spent to cover expenses of other plans.
4. Excess funds remaining in the non-custodial accounts.
5. Lack of controls over reconciliations.
6. Lack of review of journal entry transactions.
7. Payments from KPPA addressed improperly.
8. Activity in the Unfunded Liability Trust Fund is not monitored.
9. Member banking information is not kept in a secure location.
10. Wording in Kentucky Revised Statutes 61.706 may be out-of-date.
11. Inaccurate amounts reported on the Administrative Expense spreadsheet.
12. Meeting minutes not posted to the KPPA website timely.

Attachment



KPPA
Kentucky Public Pensions Authority

**Review of Chase Accounts
February 20, 2023**

Executive Summary

The following acronyms will be used throughout the report.

1. KPPA - Kentucky Public Pensions Authority
2. CERS - County Employees Retirement System
3. KERS - Kentucky Employees Retirement System
4. SPRS - State Police Retirement System
5. KRS - Kentucky Retirement System
6. KHAZ - KERS Hazardous
7. CHAZ - CERS Hazardous
8. CIO - Chief Investment Officer
9. CFO - Chief Financial Officer
10. CEO - Chief Executive Officer
11. KPPA Executive Management team - KPPA Executive Director, KPPA Deputy Executive Director, KPPA CIO, KPPA Executive Director-Office of Legal Services, and KPPA Executive Director-Office of Benefits
12. Accounting - KPPA Division of Accounting
13. Retiree Payroll - KPPA Division of Retiree Services-Payroll
14. Chase - JP Morgan Chase
15. BNY Mellon/custodial bank - Bank of New York Mellon
16. Finance - Finance and Administration Cabinet
17. Treasury - Kentucky State Treasurer
18. eMARS - enhanced Management Administrative Reporting System
19. LOB - Line of Business
20. NSF - insufficient funds
21. JV - journal voucher

The following findings were noted during our review of Chase accounts. Additional details and the related recommendations can be found in the Audit Results section of the report.

1. Use of non-custodial accounts.
2. Lack of controls over access to non-custodial accounts.
3. KERS funds spent to cover expenses of other plans.
4. Excess funds remaining in the non-custodial accounts.
5. Lack of controls over reconciliations.
6. Lack of review of journal entry transactions.
7. Payments from KPPA addressed improperly.
8. Activity in the Unfunded Liability Trust Fund is not monitored.
9. Member banking information is not kept in a secure location.
10. Wording in Kentucky Revised Statutes 61.706 may be out-of-date.
11. Inaccurate amounts reported on the Administrative Expense spreadsheet.
12. Meeting minutes not posted to the KPPA website timely.

Commendations

The CFO joined KPPA in early January 2023. This individual quickly familiarized himself with the audit and cooperatively worked with Internal Audit staff to develop recommendations that both corrected the noted findings and were feasible for Accounting staff to implement.

Background

KPPA maintains twelve accounts at Chase:

1. One Clearing account – The clearing account receives member and employer contributions, which are then transferred to BNY Mellon through the daily qualification wire process reviewed in the Plan Liquidity Phase 1 audit. The current audit did not review this account other than to verify that wires left Chase correctly.
2. One Excess Benefit account – This account is funded by the five pension accounts held at Chase and is used to pay retirees who earn more than the allowable limit set by federal law.
3. Five pension accounts and five insurance accounts (KERS, KHAZ, CERS, CHAZ, and SPRS) – These accounts are funded by wires from BNY Mellon and are used to pay retiree payroll, administrative expenses, and some insurance premiums and the associated insurance administrative fees. The accounts can receive checks or pre-tax retirement account rollovers from members who purchase service. However, checks can only be written against the non-hazardous accounts.

Accounts held at BNY Mellon will be referenced throughout the descriptions, testing methodology, and cashflow diagrams. These accounts were not tested in this audit. However, Internal Audit staff had extensive conversations with BNY Mellon representatives to develop a better understanding of KPPA's account structure (see Appendix A).

Comprehensive descriptions of each transaction type reviewed, the accompanying cashflow diagrams, and testing methodologies are included in Appendix B.

Objective, Scope, and Sampling

The scope of the audit was July 1, 2021 to June 30, 2022. The objectives of the Review of Chase Accounts audit were to gain a general understanding of each account, document the type of transactions that flow through the account, verify the accuracy of these transactions, and determine if the number of accounts is reasonable. Depending on the test type, either 100% of the population was reviewed or a judgmental sample was selected. Please refer to Appendix B for more detail.

Methodology

Please refer to Appendix B for details on the testing methodologies used for each test completed.

Risks

The following risks were identified during the audit:

1. In addition to the accounts at Chase, there may be other non-custodial KPPA, KRS, CERS, and/or SPRS bank accounts
2. There may be improper access to the Chase accounts.
3. Administrative expenses transferred from BNY Mellon may not equal the deposits in Chase and subsequent transfers to the state General Fund.
4. Transfers for administrative expenses may exceed the actual amount needed.
5. Deposits may be made to the wrong account.
6. Withdrawals from the Chase accounts may not be accurate.
7. Checks written from the Chase accounts may not be accurate.
8. The Chase accounts may not be properly reconciled.
9. Excess funds may remain in the Chase accounts.

Recommendations for Future Audits

During this audit, we noted several items that are being recommended for review in future audits.

1. Investment manager fees - there is a risk that these fees could be inaccurate as well as a risk that KPPA staff are not recalculating manager's fees prior to payment.
2. Correct investment reports pertaining to manager fees may not be included on the KPPA website.
3. Payment of expenses may not be handled consistently. Some items are paid from the state General Fund, some are paid directly from the non-custodial accounts, and others are paid directly from the custodial bank.
4. Information in eMARS may not reconcile to Great Plains, which is used to generate the financial statements. *This is being reviewed in a current audit - Reconciliation of eMARS to Great Plains.*
5. Information in eMARS and Great Plains may not be coded properly. *This is being reviewed in a current audit - Reconciliation of eMARS to Great Plains.*
6. Administrative expenses may not be allocated in the manner approved by KPPA.
7. Recurring and Supplemental payroll procedures including how additional funds are requested.
8. Process for stopping and reissuing the checks.
9. Processes related to overpayment invoices, including whether these invoices are reconciled and how the balance is monitored.
10. For overpayments from members who have passed, ensure that overpayments are paid from the death benefit.
11. Confirm that NSF's from members participating in multiple systems have adjusting entries where the system that paid for the total NSF is reimbursed for the portion of the payment assigned to a different system.
12. Outstanding check balance may not be accurate.
13. KPPA may not be receiving all owed monies since checks are made out to the State Treasurer.
14. Service Purchase process.
15. Excise tax process.
16. Humana insurance reimbursement process.

Audit Results

1. Use of Non-Custodial Accounts

<p>Condition:</p>	<p>KPPA currently utilizes 12 non-custodial accounts. These accounts are currently held at Chase. One account (Clearing Account) is used to receive employer and employee contributions. The other 11 funds should serve as pass-through accounts in the payment of expenses. Multiple items were noted with these accounts:</p> <ol style="list-style-type: none"> 1. Assets held in a non-custodial account may be outside the statutory oversight of the Board of Trustees. 2. Chase bank has been designated as a state depository for the receipt of public funds. However, the assets administered by KPPA are statutorily identified as trust funds. Chase bank cannot be designated as a fiduciary to oversee trust funds. Additionally, Chase does not have the ability to unitize funds held in the accounts that are currently set up at Chase. 3. If KPPA continues to utilize a non-custodial account, the number of accounts as well as the number of transfers may be excessive. <ol style="list-style-type: none"> a. Contributions are received into a non-custodial Clearing Account (one account). b. Funds are then transferred to one of two master trust accounts at the custodial bank (pension or insurance). c. Various times throughout the month, funds are transferred from the custodial bank back to the non-custodial bank into one of ten bank accounts (five pension and five insurance accounts). d. Funds related to administrative expenses are then transferred from the five pension accounts into one state owned General Fund. It should be noted that some expenses are paid directly from the non-custodial accounts and some are paid directly from the master trust accounts held at the custodial bank. e. Example of excessive transfers - A Humana insurance reimbursement was deposited into the KERS insurance account at Chase; however, portions of the reimbursement were owed to the other insurance funds. Four transfers were made from the KERS insurance account to the various insurance accounts at Chase. Five transfers were then made from the Chase insurance accounts to the Master Trust Insurance account at BNY Mellon. At a minimum, ten monetary transfers were needed to move the reimbursement to the custodial bank. If Humana had sent the reimbursement directly to the Master Trust Insurance account at BNY Mellon, fewer transfers would have been needed.
<p>Criteria:</p>	<p><u>Ownership/Control of Assets</u> Kentucky Revised Statutes 16.642, 61.650, and 78.790 each state, "The board, through adopted written policies, shall maintain ownership and control over its assets held in its unitized managed custodial account."</p> <p><u>State Depository</u></p> <ol style="list-style-type: none"> 1. Kentucky Revised Statutes 41.210 states, "All public money received into the Treasury shall be deposited on the day it is received in one or more state depositories." 2. Kentucky Revised Statutes 41.220 states, "Not less than three solvent banks shall be designated as the state depositories for state funds."

	<p><u>Public Funds</u></p> <ol style="list-style-type: none"> 1. Kentucky Revised Statutes 16.510, 61.515, and 78.520 establish SPRS, KERS, and CERS, respectively. Each state, "All assets received in the fund shall be deemed trust funds...." 2. Public funds are generally described as taxpayer money, which is used to fund government service programs. Oxford's dictionary defines trust funds as those assets belonging to a trust, held by the trustees for the beneficiaries.
Cause:	<ol style="list-style-type: none"> 1. Trustees may not have been aware that the Board of Trustees ownership and control over assets may be limited to those held in accounts at the unitized managed custodial account (BNY Mellon). 2. Staff may not have a clear understanding on how to identify the funds received by KPPA or whether use of a non-fiduciary, state depository bank is required. 3. Staff indicated that multiple accounts are maintained at Chase because assets cannot be comingled. However, contributions come into one account (Clearing Account) and administrative expenses are paid from one account (General Fund). When funds are transferred to the custodial bank, they are held in two separate master trust accounts, either pension or insurance. When KPPA staff discuss comingling, there seems to be an interpretation that this means if the funds are held in one account, then the funds from any plan can be used to pay the expenses of another plan. However, this is not the proper definition of comingling. Holding funds from multiple plans in one account, does not mean funds from one plan will pay expenses from another. Unitization of accounts is used to ensure this does not happen. The custodial bank can hold pension assets for all plans in one pension master trust account because they are able to unitize the amounts being held. This ensures that funds belonging to one plan are not used for expenses of another plan. See Appendix A for definitions of comingled, pooled, and unitized funds.
Effect:	<ol style="list-style-type: none"> 1. Trustees may not have full oversight and control over all assets. 2. Accounts may be unnecessarily established. 3. Excessive accounts and transfers increase the risk of errors. It also makes it more difficult to reconcile activity in the accounts and ensure that all transactions are valid. 4. In May 2022, KPPA was charged a \$64,868.34 overdraft fee by the custodial bank as a result of a transfer not being sent timely from the depository bank. This fee was reimbursed to KPPA in October 2022.
Recommendations:	<ol style="list-style-type: none"> 1. KPPA Executive Director of Legal Services should work with the CERS and KRS legal counsels to determine the definition of the unitized managed custodial account as referenced in KRS 16.642, 61.650, and 78.790. Based upon that definition, it should be determined if the Boards of Trustees have legal ownership and control over assets not held in the custodial account at BNY Mellon. While current staff and Trustees may agree that the Boards of Trustees have full oversight, it is necessary to have a legal opinion on file that provides guidance to current and future staff and Trustees. 2. The CIO should meet with BNY Mellon and review the unitization method discussed in more detail in Appendix A. Changing to the unitization method could potentially reduce the number of times cash is moved per transaction. In turn, this would reduce the risk of error and/or fraud for each transaction. 3. The KPPA Executive management team and the KPPA CFO should work with the CEOs and Boards of Trustees of CERS and KRS to determine the account structure needed to ensure cash flows occur in an efficient manner and in a way that limits opportunities for error and fraud, whether utilizing the custodial bank for all transactions or continuing to use both custodial and non-custodial bank accounts.

	<p>4. Kentucky Revised Statutes identify all assets received in the fund as trust funds. KPPA Executive management, the KPPA CFO, and the CEOs of CERS and KRS, should work together to determine if it is appropriate to continue use of a non-fiduciary, state depository bank. While it is understood that an Attorney General Opinion was provided on this topic in 1979, that opinion may not be relevant as it indicates that funds received by KPPA are public funds and not trust funds. KPPA staff outlined in this recommendation determine if it is feasible to move all trust fund activity to the custodial bank. The following items would need to be considered:</p> <ul style="list-style-type: none"> a. Can all contributions received be deposited in a clearing account at BNY Mellon? b. Can eMARS be linked to the custodial accounts so that all expenses are paid directly from the trust accounts? c. Would BNY Mellon charge an additional fee to perform the accounting services that would be needed if trust fund activity were to be moved to the custodial bank? The current BNY Mellon contract contains a fee for accounting services so it is possible no additional fee would be incurred. <p>5. If a non-custodial bank will continue to be utilized, KPPA Executive management, the KPPA CFO, and the CEOs of CERS and KRS should consider reducing the number of non-custodial accounts in use. Physical, separate accounts are not required. Assets can be held in a limited number of accounts (as currently seen at the custodial bank) as long as steps are taken to ensure that funds belonging to one plan do not pay expenses for another plan. A form of unitization already occurs with the accounting entries made in Great Plains.</p> <ul style="list-style-type: none"> a. One non-custodial clearing account could be maintained to receive contributions. Two non-custodial accounts (one pension and one insurance) could be maintained to pay expenses. Monthly, staff could determine the amount of funds needed to pay the current month's expenses. As contributions are received, the amount needed to pay current expenses could be transferred from the clearing account into the appropriate pension or insurance non-custodial account. Excess contributions should be immediately transferred to the custodial bank. This would reduce the number of transfers between bank accounts. If the contributions received are not enough to pay all monthly expenses, additional funds could be transferred from the custodial bank. <ul style="list-style-type: none"> i. There should be proper documentation kept on file for the amount that is retained in the non-custodial accounts. ii. Each payment made from the non-custodial account should be properly supported. b. If a non-custodial bank continues to be utilized as a depository bank, KPPA Executive Management, the KPPA CFO, and the CEOs of CERS and KRS should consider the benefit of linking eMARS to the custodial bank. This would greatly reduce the number transfers and would ensure all payments are treated consistently (all expenses would be paid directly from the custodial bank). Currently, funds flow out of the custodial bank and into the non-custodial accounts and then out of the non-custodial accounts and into a state-owned General Fund. Linking eMARS to the custodial bank would allow funds to stay within the oversight of those charged with fiduciary responsibility of the assets.
<p>KPPA Executive Management Response:</p>	<p>The issues and recommendations are complex and may require statutory changes. As such, the KPPA Executive Director will form a study task force to examine all the recommendations and seek to identify other issues that may warrant action and/or legislation as well. Our timetable for completion will likely be 12 to 24 months.</p> <p>The finding regarding the \$64,868.34 overdraft fee is not relevant to the Chase Audit and should not have been included in the report since it was not a result of the structure of the accounts. Rather, it was a result of Chase's own</p>

	enhanced fraud detection controls. Further, the amount in question plus interest has been reimbursed and the system incurred no loss.
Implementation Date:	6/28/2024
Auditor Response:	Any item that comes to the attention of Internal Audit staff during an audit may be reported. In this instance, the overdraft fee is directly related to the account structure. However, internal audit staff did not issue a finding regarding the overdraft fee; the situation was noted only as an effect of the current structure of the accounts. The use of non-custodial accounts requires transfers of funds to the custodial bank. The delay in the transfer from the non-custodial bank to the custodial bank is what caused the overdraft fee to be incurred.

2. Lack of Controls over Access to Non-Custodial Accounts

Condition:	<p>KPPA staff have not designed internal controls to ensure that access levels to the non-custodial accounts are accurate. Lack of controls over non-custodial account access was shown when Internal Audit staff requested a listing of individuals with access to the non-custodial accounts. Both KPPA Accounting staff and Chase employees provided a listing of individuals with access; however, the individuals on the two lists did not agree. After interviewing Chase employees and KPPA staff, it was determined that neither list provided was accurate, but the listing from Chase was the most complete.</p> <ol style="list-style-type: none"> 1. Access levels are not reviewed periodically, to ensure access granted to employees does not exceed the level necessary for completion of job duties. 2. Only one individual can request changes to access levels. Internal Audit staff confirmed with Chase employees that a backup has not been officially named for this responsibility. 3. Only one individual has access to transfer money between Chase accounts. This individual can initiate, approve, and release transfers between Chase accounts without approval of a second individual.
Criteria:	<ol style="list-style-type: none"> 1. 200 KAR 38:070 §2 (1)(2) states, "The agency head shall perform the responsibilities of fiscal officer or delegate the responsibilities to an employee with adequate skills to perform the job duties...Each fiscal officer shall develop and document internal controls to both prevent and detect abuse, unintentional errors, and the fraudulent disbursement of funds or use of state assets. In addition, the fiscal officer shall work with agency personnel to implement the internal controls and monitor their effectiveness." 2. KPPA Access Control Policy Section 5 #1 states, "All data shall be classified in accordance with the Data Classification Policy, its access determined by the business owner, and access granted based on the Principle of Least Privilege." While this policy is related to internal data, the Principle of Least Privilege is good practice for all access levels at KPPA.
Cause:	In the past, KPPA staff have not considered reviewing access to the non-custodial accounts because access to these accounts is automatically deactivated by Chase if an account is not utilized in six months. However, this does not ensure that staff who regularly access the accounts have appropriate access levels.
Effect:	Individuals could unintentionally (or intentionally) initiate improper transactions in the Chase accounts.
Recommendations:	<ol style="list-style-type: none"> 1. If the non-custodial accounts are to continue being utilized, the CFO should establish controls around access to these accounts. These controls should be documented. At a minimum, the following procedures should be documented:

	<ol style="list-style-type: none"> a. How access is granted to the non-custodial accounts, including the individual responsible for authorizing access. It is recommended that final approval be the responsibility of the CFO. b. When and how access to the non-custodial accounts is to be removed from individuals. c. How access to the non-custodial accounts will be reviewed. This procedure should outline who will perform the review and how often it will be performed. To be consistent with other KPPA access reviews, staff could perform these review every six months. <ol style="list-style-type: none"> 2. The CFO should work with Accounting staff to determine if changes are needed to access levels at the non-custodial accounts. At a minimum, the following should be considered: <ol style="list-style-type: none"> a. A backup who can request changes to KPPA staff access should be established with Chase. It is recommended that the CFO serve as one of the individuals who can request changes to access levels. b. Two options can be considered regarding transfers: <ol style="list-style-type: none"> i. A second person could be granted access to transfers and the current individual's access to Release Own Payments should be removed. This would ensure a second level of review for transfers. ii. Access to transfers could be removed from all KPPA staff since it was indicated that transfers take place utilizing eMARS and not Chase.
Accounting Management Response:	We concur with the finding and will review and enhance controls regarding access and access levels with regards to KPPA's Chase bank accounts. Such controls will include procedures to grant, change, and remove access to such accounts. In addition, we will review, and adjust where appropriate, the actions that can be performed by individuals who have access to these accounts. Furthermore, we will identify back-up(s) and ensure segregation of duties exist or are mitigated by compensating controls. This enhancement will include the implementation of a periodic review and approval (not to exceed every 6 months) of internal and external access reports. This review shall begin presently and be fully implemented by June 30, 2023.
Implementation Date:	6/30/2023
Auditor Response:	We appreciate the CFO's agreement to implement controls surrounding access to the accounts maintained at Chase, including ensuring the existence of segregation of duties or proper mitigating controls.

3. KERS Funds Spent to Cover Expenses of Other Plans

Condition:	<p>During fiscal year 2022, several instances were found where KERS pension assets were used to pay amounts owed by other plans.</p> <ol style="list-style-type: none"> 1. 125 individual NSF withdrawals totaling 112,780.17. This is 40% of the NSF withdrawals reviewed. Internal Audit and Accounting staff spoke with representatives from Chase and the Kentucky State Treasurer and discovered the issue pertaining to NSF withdrawals has been occurring since Chase first began working with KPPA in 2011. However, since this file was created based on information from KPPA's prior bank, it is possible that this issue existed throughout that partnership as well. <ol style="list-style-type: none"> a. CERS pension - 119 withdrawals totaling \$103,393.30. b. KHAZ pension - 4 withdrawals totaling \$2,415.57. c. SPRS pension - 2 withdrawals totaling \$6,971.30.
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	<ol style="list-style-type: none"> 2. June 2022 Excess Benefits totaling \$31,216,28. <ol style="list-style-type: none"> a. KHAZ pension - \$8,464.48 b. CERS pension - \$9,138.48 c. CHAZ pension - \$13,613.32
Criteria:	<ol style="list-style-type: none"> 1. 200 KAR 38:070 §2 states, "(2) Each fiscal officer shall develop and document internal controls to both prevent and detect abuse, unintentional errors, and the fraudulent disbursement of funds or use of state assets...(3) An internal control plan shall include...(c) Procedure that provides for the internal review of all transactions processed by the agency...The internal review shall include, but is not limited to, the following: (4) Review of transactions for appropriate accounting codes and accuracy..." 2. Kentucky Revised Statutes 61.663 (KERS), 78.652 (CERS) and 16.568 (SPRS) states, "There is created and established: An excess benefit plan to be known as the Kentucky Employees Retirement System (County Employee Retirement System) (State Police Retirement System) Excess Benefit Plan. The plan is created for the purpose of providing the retirement allowances payable from the retirement system under Kentucky Revised Statutes 61.515 to 61.705 (78.520 to 78.852) (16.510 to 16.652) that would otherwise be limited by 26 U.S.C. sec. 415."
Cause:	<ol style="list-style-type: none"> 1. The wrong company ID was used when the NSF withdrawal accounts were set up with Chase in 2011. In addition, Accounting has not established procedures to ensure NSF withdrawals are made from the proper account. 2. There is no formal review process in place for the excess benefit process, so this error was not discovered until the audit was conducted. No review is performed for journal entry transactions created in Great Plains (see Lack of Review of Journal Entry Transactions), so errors cannot be caught before the entry is made. In addition, this type of error cannot be caught as a part of the monthly reconciliation procedures because those procedures do not require comparing activity in Chase to the source documents from LOB (see Chase Transactions not Reconciled to Source Documents).
Effect:	<ol style="list-style-type: none"> 1. The KERS pension account covered NSFs for members of CERS, SPRS and KHAZ. This audit only covered one year of data, and it has been confirmed that this issue has existed since at least 2011. Furthermore, it is possible the issue existed prior to that date. The total impact to KERS pension has not yet been determined. 2. KERS pension funds were used to fund a total of \$31,216.28 in excess benefits payments for other plans. This audit only reviewed one year of data; it is possible that past fiscal years had a similar error.
Recommendations:	<ol style="list-style-type: none"> 1. The CFO and Accounting staff should review the following items to determine the extent of the impact to the KERS pension plan. Once both reviews are completed, the CFO should work with KPPA Executive management and the CEOs and Board of Trustees for CERS and KRS to determine how the errors will be corrected. Internal Audit staff can assist with or conduct these reviews at the request of management. <ol style="list-style-type: none"> a. Work with Chase and possibly former depository banks to determine the total due to the KERS pension account as a result of the error related to NSF withdrawals being improperly made from the KERS pension account. b. Review excess benefits from prior years to determine if additional errors exist. 2. The CFO should ensure controls are established to ensure that one plan is not covering NSFs for members of another plan. Finance staff do not have access to LOB and cannot verify that each member in the NSF file participates in the system that is covering the NSF. It is KPPA's responsibility to confirm that the correct fund is being charged.

	<ul style="list-style-type: none"> a. Option 1: Accounting staff could develop procedures to take over the creation of the NSF files, rather than having Finance staff create these files. The NSF files could be generated in-house through the Chase secure portal and then uploaded to eMARS. b. Option 2: If Finance staff will continue to create the NSF files, Accounting staff should review the file provided to ensure the proper fund is covering the NSFs. c. Once an option is chosen, procedures should be documented. At a minimum, the procedures should include the following: <ul style="list-style-type: none"> i. How each person in the file will be compared to LOB. Retiree Payroll staff already have a process in place to review each member individually, but these procedures do not include a step to compare the system that covered the NSF to the system of the member's participation. Accounting staff may be able to coordinate with Retiree Payroll staff to perform this review. ii. An explanation of how the files used will be retained for historical purposes in a format that cannot be edited. <p>3. The KERS pension cash account should be reimbursed for the excess benefits paid on behalf of other funds:</p> <ul style="list-style-type: none"> a. KERS Hazardous Pension - \$8,464.48 b. CERS Non-Hazardous Pension - \$9,138.48 c. CERS Hazardous Pension - \$13,613.32
<p>Accounting Management Response:</p>	<p>We concur with the finding.</p> <ul style="list-style-type: none"> 1. Regarding Condition 1: We will work with IT and Finance to correct the erroneous company ID in the report to prevent future errors as soon as possible. In addition, we will work with Finance and Retiree Payroll to implement a review of such reports to determine that the NSF is credited to the proper account upon occurrence, and we will continue this review monthly. This will be implemented by June 30, 2023. Furthermore, we will work with Chase, Finance, Retiree Payroll, and potentially Internal Audit to examine occurrences of this back to at least 2011, to the extent possible, and determine the overall impact. We will present that impact to the CEOs, and Board of Trustees of CERS and KRS to determine the next course of action, including if examination prior to 2011 is practical. We will have the review completed by December 31, 2023. 2. Regarding Condition 2: We refunded the \$31,216.28 to the KERS pension account on December 13, 2022, and we will investigate the most efficient control structure to have in place regarding a second review of the journal entries in Great Plains. Once determined, we will document that process, train accounting staff, and implement. We will complete and implement by September 30, 2023.
<p>Implementation Date:</p>	<ul style="list-style-type: none"> 1. 6/30/2023 and 12/31/2023 2. 9/30/2023
<p>Auditor Response:</p>	<ul style="list-style-type: none"> 1. We commend Accounting staff for working with Internal Audit, Retiree Payroll, Finance, and Chase on determining the cause of the NSF error. Internal Audit understand that determining the impact will not be an easy task and we appreciate the effort staff will put into making this determination. Internal Audit is willing to provide any assistance that may be needed on this project. 2. We commend Accounting staff for working quickly to reimburse KERS when this error was brought to their attention. Internal Audit staff verified that the KERS pension cash account was reimbursed on December 13, 2022.

4. Excess Funds Remaining in Non-custodial Accounts – Recurring Issue

Condition:

1. The Internal Audit team reviewed the fiscal year 2022 month-end balances for each non-hazardous pension and insurance account maintained at Chase (72 total months). The Internal Audit team used a current ratio of 1.5 as the ideal remaining month-end balance to ensure sufficient funds remained to cover outstanding checks. For 59 of the 72 historical month-end balances reviewed (81.94%), funds in excess of the 1.5 ratio remained in the non-custodial accounts. The first table below shows the amount in excess of the 1.5 ratio that remained in the various accounts each month as well as the average remaining monthly balance for each account.
2. The Internal Audit team also reviewed the fiscal year 2022 month-end balances for each hazardous pension and insurance account maintained at Chase (48 total months). Checks are not written from the hazardous accounts so there is no need to maintain a balance to cover outstanding items. The second table below shows the account balance at the end of each month as well as the average remaining monthly balance for each account.

Excess funds over Ideal Balance	PENSION				INSURANCE			
	KERS	CERS	SPRS	Monthly Total	KERS	CERS	SPRS	Monthly Total
July	\$ 115,742.50	\$ 146,900.08	\$ 50,141.91	\$ 312,784.48	\$ 144,025.21	\$ 145,443.89	\$ 48,951.45	\$ 338,420.54
August	\$ 674,650.66	\$ 846,261.18	\$ 42,887.06	\$ 1,563,798.89	\$ 236,191.01	\$ 312,907.68	\$ 49,463.99	\$ 598,562.68
September	\$ 912,909.94	\$ 975,452.79	\$ 99,624.99	\$ 1,987,987.72	\$ 281,485.86	\$ 465,516.20	\$ 40,283.12	\$ 787,285.17
October	\$ -	\$ -	\$ 41,806.13	\$ 41,806.13	\$ 331,637.19	\$ 636,868.21	\$ 48,464.49	\$ 1,016,969.89
November	\$ 1,099,627.56	\$ -	\$ 70,263.02	\$ 1,169,890.58	\$ 142,434.15	\$ 133,370.10	\$ 49,451.39	\$ 325,255.63
December	\$ -	\$ -	\$ 36,717.39	\$ 36,717.39	\$ 45,485.51	\$ 47,408.28	\$ 49,451.39	\$ 142,345.17
January	\$ 27,438.76	\$ 150,691.78	\$ 35,608.82	\$ 213,739.36	\$ 101,929.59	\$ 195,642.40	\$ 25,933.04	\$ 323,505.02
February	\$ 347,112.31	\$ 340,662.64	\$ 25,839.86	\$ 713,614.81	\$ 173,728.82	\$ 409,425.36	\$ 18,886.55	\$ 602,040.73
March	\$ -	\$ -	\$ 33,398.60	\$ 33,398.60	\$ 82,841.76	\$ 87,327.51	\$ 17,208.79	\$ 187,378.05
April	\$ -	\$ -	\$ 34,306.12	\$ 34,306.12	\$ 140,710.50	\$ 278,200.11	\$ 17,928.13	\$ 436,838.73
May	\$ -	\$ -	\$ 14,863.03	\$ 14,863.03	\$ 106,367.21	\$ 173,464.20	\$ 17,928.13	\$ 297,759.54
June	\$ -	\$ -	\$ 6,928.87	\$ 6,928.87	\$ 90,971.43	\$ 96,647.81	\$ 17,648.93	\$ 205,268.16
Monthly Average	\$ 264,790.14	\$ 204,997.37	\$ 41,032.15	\$ 510,819.66	\$ 156,484.02	\$ 248,518.48	\$ 33,466.61	\$ 438,469.11

Hazardous Balances	PENSION			INSURANCE		
	KHAZ	CHAZ	Monthly Total	KHAZ	CHAZ	Monthly Total
July	\$ 52,468.40	\$ 177,544.75	\$ 230,013.15	\$ 50,691.36	\$ 64,815.99	\$ 115,507.35
✚ August	\$ 126,429.87	\$ 240,605.51	\$ 367,035.38	\$ 52,096.35	\$ 63,710.77	\$ 115,807.12
September	\$ 148,091.47	\$ 295,268.69	\$ 443,360.16	\$ 52,122.70	\$ 69,356.15	\$ 121,478.85
October	\$ 42,065.36	\$ 64,234.41	\$ 106,299.77	\$ 53,318.39	\$ 70,683.47	\$ 124,001.86
November	\$ 191,914.32	\$ 161,007.43	\$ 352,921.75	\$ 54,962.74	\$ 54,100.55	\$ 109,063.29
December	\$ 40,556.30	\$ 44,173.37	\$ 84,729.67	\$ 56,367.73	\$ 57,435.90	\$ 113,803.63
January	\$ 67,899.47	\$ 88,251.05	\$ 156,150.52	\$ 26,221.20	\$ 50,125.63	\$ 76,346.83
February	\$ 75,402.54	\$ 182,660.97	\$ 258,063.51	\$ 6,835.09	\$ 41,530.62	\$ 48,365.71
March	\$ 47,571.31	\$ 59,031.18	\$ 106,602.49	\$ 23,397.42	\$ 22,801.34	\$ 46,198.76
April	\$ 81,494.67	\$ 71,223.29	\$ 152,717.96	\$ 22,131.47	\$ 23,007.80	\$ 45,139.27
May	\$ 111,867.77	\$ 32,702.25	\$ 144,570.02	\$ 23,682.63	\$ 19,613.92	\$ 43,296.55
June	\$ 30,270.65	\$ 10,941.68	\$ 41,212.33	\$ 25,233.79	\$ 19,165.98	\$ 44,399.77
Monthly Average	\$ 84,669.34	\$ 118,970.38	\$ 203,639.73	\$ 37,255.07	\$ 46,362.34	\$ 83,617.42

3. Funding for each pension related supplemental/recurring payroll is transferred from the custodial bank to the non-custodial bank. The following items were noted as a result of the excess funding in the non-custodial accounts:
 - a. No additional funds had to be drawn down from the custodial bank for 7 of the 46 pension supplemental payrolls that occurred in fiscal year 2022.
 - b. Funds to cover every insurance supplemental payroll during fiscal year 2022 were held in the non-custodial accounts and did not require an additional draw down from the custodial bank.
 - c. For the November 23, 2021 supplemental/recurring payroll an additional \$520,877.77 was transferred from the KERS pension account at BNY Mellon to the corresponding Chase account. This amount was related to the CERS supplemental/recurring payroll. An immediate correction was not needed because enough funds remained in the CERS pension account at Chase to cover the incorrect transfer amount. When the expense was actually paid, the correct amounts were paid by KERS pension and CERS pension.

Criteria:

1. Kentucky Revised Statutes 16.555 [SPRS], 61.570 [KRS], and 78.630 [CERS] state, "All the assets of the system shall be held and invested in the [State Police Retirement Fund] [Kentucky Employees Retirement Fund] [County Employees Retirement Fund] and credited, according to the purpose for which they are held, to one of three accounts, namely, the members' account, the retirement allowance account, and the accounts established pursuant to 26 U.S.C. sec 401(h) within the funds established in Kentucky Revised Statutes 16.510, 61.515, and 78.520, as prescribed by Kentucky Revised Statutes 61.702(3)(b)."
2. 200 KAR 38:070 §2 states, "(2) Each fiscal officer shall develop and document internal controls to both prevent and detect abuse, unintentional errors, and the fraudulent disbursement of funds or use of state assets...."

Cause:	<ol style="list-style-type: none"> 1. KPPA staff have not requested guidance from the Boards of Trustees on the ideal balance that should remain in the Chase accounts. 2. The procedures currently used by Accounting staff to determine how much money to transfer back to the custodial bank is not documented. 3. Review procedures for wire transfers do not require the reviewer to compare the wire amount to the source document to ensure that the wire is accurate. In the case of the November 23, 2021 supplemental/recurring payroll, the reviewer of the wire did not compare the wire amounts to the supplemental payroll report to verify that the correct amounts were scheduled to be wired from the custodial bank.
Effect:	Assets that could be transferred to the custodial bank and used for investment activities may be sitting in the Chase accounts.
Recommendations:	<ol style="list-style-type: none"> 1. If the Chase accounts are to continue being utilized, the KPPA CFO should work with the KPPA Executive Management team as well as the CEOs and Board of Trustees for CERS and KRS to determine an appropriate balance to remain in the various Chase accounts. This decision should be documented so that current and future KPPA staff have written guidance to follow. 2. The CFO should work with Accounting staff to update procedures related to the review of wires. The procedures should include a step for the reviewer to compare the wire to the source document to ensure the amount scheduled to be transferred is accurate and is being transferred from the correct account.
Accounting Management Response:	We concur with the finding and will work with Trustees to establish the "ideal balance" that should remain in the non-custodial bank accounts above the immediate cash needs for administrative expenses, retiree benefit payments, and outstanding items (the excess). This will take analysis of past, current, and future balances, as well as research on our part for the Trustees to make an informed decision. Therefore, we will initiate specific metrics to report quarterly, starting in June 2023, and obtain feedback on those metrics through April of 2024. Through this process we will establish a documented ideal to utilize post April 2024. Furthermore, we will review procedures regarding the review of wire transfers from the custodial bank and implement enhancements where necessary by September 30, 2023.
Implementation Date:	<ol style="list-style-type: none"> 1. 6/30/2024 2. 9/30/2023
Auditor Response:	We commend the corrective action plan that has been presented by the CFO and Accounting staff. This plan is well structured and thought out and should provide the Trustees with sufficient insight to make a well-informed decision regarding the non-custodial accounts.

5. Lack of Controls Over Reconciliations

Condition:	<p>Several issues were noted with the various reconciliations performed related to the Chase accounts:</p> <ol style="list-style-type: none"> 1. There is a lack of segregation of duties. <ol style="list-style-type: none"> a. Reconciliations of the Chase bank accounts are performed by an individual who has access to create and approve transactions at Chase, in Great Plains, and in eMARS. b. The individual who generates reports from eMARS to compare to Great Plains has the ability to enter transactions in both eMARS and Great Plains.
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	<ol style="list-style-type: none"> 2. There is only one individual who serves as a backup for the monthly reconciliation process. This individual serves as the backup for both staff members who generally perform the reconciliation. If both those individuals are out, the reconciliations cannot be completed. 3. Reconciliations are performed in an unprotected excel worksheet. <ol style="list-style-type: none"> a. The reconciliations can be edited after they are completed. During testing, we noted two worksheets had missing information that Accounting staff indicated was originally on the worksheets. It appears that this information was somehow removed before testing started. b. There is no way to verify that different individuals prepared and approved the monthly reconciliation because these activities are documented only by adding initials to the excel file. c. There is no way to tell if the reconciliations were completed in a timely manner because there are no time stamps showing the completion date. 4. KPPA staff do not have a process in place to review individual checks written against the pension accounts held at Chase. While these issues were detected and corrected by an outside party, KPPA Accounting staff do not have procedures in place to review for these types of errors or to verify the corrections made by these outside agencies. In addition, KPPA Accounting staff are not aware of the status for individual checks because checks are not reviewed on an individual basis. <ol style="list-style-type: none"> a. Three CERS pension checks totaling \$8,863.71 were fraudulently cashed but reimbursed by Finance staff (these checks were cashed by non-CERS members or beneficiaries). b. Ten CERS pension checks totaling \$10,434.01 were cashed for the wrong amount but were corrected by Chase staff. c. Six CERS pension checks totaling \$3,982.62 were voided, but subsequently cashed; this was reversed by Finance staff. d. One CERS insurance check totaling \$252.52 was cashed for the wrong amount but was corrected by Chase staff. e. Two KERS pension checks totaling \$2,526.73 were cashed for the wrong amount but were corrected by Chase staff. f. Three KERS pension checks totaling \$1,777.21 were voided, but subsequently cashed; this was reversed by Finance staff.
<p>Criteria:</p>	<p>200 KAR 38 §2 states, "(1) The agency head shall perform the responsibilities of fiscal officer or delegate the responsibilities to an employee with adequate skills to perform the job duties...(2) Each fiscal officer shall develop and document internal controls to both prevent and detect abuse, unintentional errors, and the fraudulent disbursement of funds or use of state assets...(3) An internal control plan shall include the following (a) Organizational structure and alignment of job duties that provide the appropriate segregation of duties for the proper safeguarding of agency assets to prevent one individual from controlling or processing a transaction from beginning to end...."</p>
<p>Cause:</p>	<ol style="list-style-type: none"> 1. There is a limited number of Accounting staff qualified to perform reconciliations. 2. Reconciliations have always been performed via an unprotected excel spreadsheet and staff have not found it necessary to find a new way to perform this task. Staff do not have a process in place to retrain historical records in a format that cannot be altered. 3. KPPA is reliant on staff at Chase and Finance to catch errors related to written checks.

	<ul style="list-style-type: none"> a. Values, routing numbers, or account numbers may be entered incorrectly by bank tellers. Staff at Chase detected the difference and reimbursed or withdrew the difference from the corresponding Chase account. b. Stale dated checks can still be cashed erroneously because the member may have a copy of the paper check. The member's bank may not realize that the checks have been voided. Finance staff detected these items and reimbursed the appropriate Chase account. c. For the fraudulent checks, a member's legitimate paper check was edited to remove the original payee's name, address and amount. A non-KPPA member's or beneficiary's information was added to the check. The bank teller could not tell that the check had be altered and proceeded to cash the fraudulent check.
<p>Effect:</p>	<ul style="list-style-type: none"> 1. Lack of segregation of duties and weak controls over reconciliations leads to an increased risk of human error. If a person is reconciling a transaction that they previously created or approved, accidental errors may be overlooked. This could ultimately lead to misstatements on the financial statements. Additionally, without segregation of duties, there is an increased risk of fraud since there is little to no oversight to ensure that everything is accurate. 2. If staff at Chase or Finance fail to catch these types of errors, then they would not be detected. Additionally, staff at Chase or Finance could make a withdraw from any of the Chase accounts and code it as a correction to a check. Since KPPA Accounting staff do not review these corrections, this type of transaction would not be caught.
<p>Recommendations:</p>	<p>The CFO should work with Accounting staff to implement controls over the various reconciliations that are performed:</p> <ul style="list-style-type: none"> 1. Train additional individuals on how to perform the various reconciliations. This would create a sufficient number of back-ups and establish segregation of duties. <ul style="list-style-type: none"> a. The individual reconciling Chase bank accounts should not have access to create and approve transactions at Chase, in Great Plains, and in eMARS. b. The individual who reconciles eMARS to Great Plains should not have the ability to enter transactions into eMARS and Great Plains. c. Each step in the reconciliation process should have an individual back-up. A sufficient number of individuals should be trained so that reconciliations can be completed even if those generally responsible for the task are out of office. 2. Perform reconciliations in a manner that does not allow for the work to be edited afterwards. 3. Determine if additional review should be taken in relation to checks written from the various Chase accounts. The following items should be considered: <ul style="list-style-type: none"> a. For duplicate checks, review the check images and confirm that duplicates have been properly reversed. b. For checks that fall outside the proper check numbering sequence, review the check images and ensure the check is valid or has been properly reversed. c. For every transaction in Chase with a comment about a check being cashed incorrectly, verify that the correction should have happened by comparing the value of the original check to the value of the cashed check. The difference between these two values should match the correcting transaction. d. For every transaction in Chase with a comment saying that a check was reversed, confirm that the check should have been reversed. e. For every re-issued check, compare the value of the original check to the value of the re-issued check.

	<p>4. Update reconciliation procedures to include the following:</p> <ul style="list-style-type: none"> a. Detailed steps that describe all items that need to be included in the reconciliations. b. A step for the preparer and/or reviewer to compare items to source documents to ensure the accuracy of transactions. c. A way to document who has completed and reviewed the reconciliation, other than initials in an excel spreadsheet. d. A way to document when the reconciliations were completed.
Accounting Management Response:	<p>We concur with the finding. We will review and enhance controls regarding the various reconciliations performed. Such controls will include a review and approval by someone who does not have ability to create transactions, presumably the CFO. In addition, we will identify back-up(s) where appropriate, as well as explore alternatives to evidencing reviews in an excel spreadsheet. Regarding the fraudulent or erroneous checks cashed but caught by either Chase and/or Finance, we believe controls are in place and working, as evidenced in the audit finding; however, we acknowledge that if these controls were to fail, errors could go undetected by KPPA staff. Therefore, we will review our current controls, in conjunction with the controls being deployed by Chase and Finance and determine what, if any, additional measures should be implemented. These reviews and enhancements will be concluded by September 30, 2023.</p>
Implementation Date:	9/30/2023
Auditor Response:	We appreciate the CFO's willingness to review processes and enhance controls where needed.

6. Lack of Review of Journal Entry Transactions

Condition:	<p>A Graduate Accountant creates a journal entry in Great Plains. That journal entry automatically creates a journal voucher (JV) document in Great Plains that goes to a JV inquiry queue where the same Graduate Accountant selects the JV to be uploaded to eMARS. All JV documents uploaded to eMARS during the day are automatically processed overnight by Finance. Once the JV is processed, Finance sends a file to Chase that is uploaded into the Chase system. When the file is uploaded, funds are transferred from one Chase account to another. The journal entry created in Great Plains is not checked by a second KPPA staff member. Staff at Finance and Chase are not responsible for verifying the accuracy of JV documents or transfers. In addition, staff at Finance and Chase could not verify the accuracy of these transactions because they do not have sufficient documentation on hand to do so.</p>
Criteria:	<p>200 KAR 38:070 §2 states, "(2) Each fiscal officer shall develop and document internal controls to both prevent and detect abuse, unintentional errors, and the fraudulent disbursement of funds or use of state assets...(3) An internal control plan shall include...(c) Procedure that provides for the internal review of all transactions processed by the agency...."</p>
Cause:	<p>There is no second review of JV transactions created in Great Plains because a second review function in Great Plains does not currently exist and Accounting staff do not have procedures in place to work around this missing work flow function.</p>
Effect:	<p>Procedures are not in place to catch errors in transferring funds either before or after the transfer occurs, so funds could overpay certain items, as was seen with excess benefits during June 2022.</p>

Recommendation:	The CFO should establish procedures to ensure journal entry transactions are reviewed for accuracy. These procedures should be documented. Accounting could consider emailing a screenshot of the JV window to a second Accounting staff member for approval prior to sending the transaction to Finance. The individual performing the review should compare the journal entry amount to LOB to ensure the transferred amounts are accurate.
Accounting Management Response:	We concur with the finding and will investigate the most efficient control structure to have in place regarding a second review of the journal entries in Great Plains. Once determined, we will document that process, train accounting staff, and implement. We will complete and implement by September 30, 2023.
Implementation Date:	9/30/2023
Auditor Response:	We appreciate the CFO's willingness to investigate this matter and explore and options for increasing oversight of the journal entry process in Great Plains.

7. Payments from KPPA Addressed Improperly

Condition:	Payments made outside of the custodial bank are issued in the name of the State Treasurer, Finance Cabinet, or Personnel Cabinet. If these payments made by check, they are sent in an envelope listing KPPA as the return address. Payments made by direct deposit do not contain information identifying the funds as coming from KPPA, CERS, or KRS.
Criteria:	<ol style="list-style-type: none"> 1. Kentucky Revised Statutes 61.660(1) states, "...Payments may be made in the form of checks, which shall clearly show on the envelope or other mailing device the name and address of the Kentucky Retirement Systems, County Employees Retirement System, or direct deposit bank transfers." 2. Kentucky Revised Statutes 45.305(4) states, "...The accounting system prescribed and installed by the Finance and Administration Cabinet shall provide for the settlement of transactions between budget units..."
Cause:	Payments made outside the custodial bank are made utilizing eMARS; these payments are automatically issued by the State Treasurer and the envelopes for paper checks are automatically generated with the KPPA listed as the return address.
Effect:	KPPA is not currently in compliance with state statutes regarding identification of payments. This could lead to confusion on who made the payment and who controls the assets being used to make payments.
Recommendations:	<ol style="list-style-type: none"> 1. The KPPA Executive management team, the KPPA CFO, and the CEOs of CERS and KRS, should work with Finance to ensure payments are properly addressed. 2. KPPA Executive Director of Legal Services should work with the legal counsels for CERS and KRS legal counsels to determine if an update is needed to Kentucky Revised Statutes 61.660 regarding the name that must be on issued payments. 3. The KPPA Executive Director of Legal Services should work with the legal counsels for CERS and KRS to determine if payments to non-budgetary units can be made without utilizing eMARS. If so, the KPPA Executive management team and the KPPA CFO should work with the CEOs and Boards of Trustees of CERS and KRS to determine if it would be beneficial for payments to non-budgetary units to be made in another manner that would more easily allow for payments to be issued in the correct name.

<p>KPPA Executive Management Response:</p>	<ol style="list-style-type: none"> 1. The title to issue #7 “Payments from KPPA Addressed Improperly” is misleading since the issue was not KPPA sending materials to “improper addresses” (i.e., the wrong people). Rather, the return addresses on the envelopes were not labeled with a return address naming CERS or KRS as required. KPPA will find the appropriate solution as described below in response #2. 2. KPPA Office of Legal Services disagrees that counsel for CERS or KRS have any role in resolving this issue. KPPA Office of Legal Services also disagrees that the issue to be resolved is what name must be on the issued payment. Kentucky Revised Statutes 61.660(1) requires the name of KRS or CERS to be on the envelope, not the payment. Currently, the name on the envelope is Kentucky Public Pensions Authority. The State Treasurer currently produces and mails the checks for us. KPPA can either work with the Treasurer to program the printing of KRS or CERS on the appropriate envelopes or we can pursue a statutory change that allows for KPPA’s name to be on the mailing envelope. We will explore both options. 3. KPPA Office of Legal Services disagrees that counsel for CERS or KRS have any role in resolving this issue. KPPA Office of Legal Services disagrees that this issue needs to be addressed. As mentioned in the response to #2 above, the issue to be resolved is not the name on the payment, it is the name on the envelope, per Kentucky Revised Statutes 61.660(1). That issue can be resolved in one of two ways (see response to #2 above). There is no problem with issuing the payments in the correct name.
<p>Implementation Date:</p>	<p>12/31/2023</p>
<p>Auditor Response:</p>	<ol style="list-style-type: none"> 1. We appreciate your feedback on the title of the finding as we strive to ensure clear communication. Internal Audit staff believe that an incorrect return address on an envelope meets the definition of an improperly addressed item. In contrast, if there had been finding related to payments being made to the wrong person (as referenced in management's response), Internal Audit staff would likely have used "Payments Made to the Improper Vendor" as the title of the finding. 2. Management has offered a response to correcting the name listed on the envelopes. While this is being researched, we recommend legal counsels determine if payments made by direct deposit also need to be identified in some way as coming from CERS or KRS. 3. The third recommendation pertains to a review of determining whether eMARS is required to be utilized for payment to non-budgetary units. Internal Audit recommends this item be reviewed. 4. The statute referenced specifies Kentucky Retirement Systems and County Employee Retirement Systems; therefore, it seems pertinent that those Boards and their staff (CEO and/or General Counsel) be included in this review.

8. Activity in the Unfunded Liability Trust Fund is not Monitored

<p>Condition:</p>	<p>The Kentucky Retirement System Unfunded Liability Trust fund is not being monitored to ensure funds are being dispersed to KPPA.</p>
<p>Criteria:</p>	<p>Kentucky Revised Statutes 61.706 states, "(1) The Kentucky Retirement Systems unfunded liability trust fund is created and shall be administered by the Finance and Administration Cabinet...(2)(a)(3) The trust fund shall consist of...Any other proceeds from grants, appropriations, or other moneys made available for the purpose of the trust fund...(3)(a) Moneys in the trust fund shall be disbursed quarterly to the Kentucky Retirement Systems...."</p>

Cause:	Since this fund is controlled by Finance, reports on this account would have to be created by Finance staff. KPPA staff have not previously requested reports related to the Unfunded Liability Trust Fund.
Effect:	There could be funds owed to either CERS, KERS, or SPRS unknowingly sitting in the Unfunded Liability Trust Fund.
Recommendation:	Amounts held in the Unfunded Liability Trust Fund are owed to the various plans administered by KPPA; therefore, the KPPA Executive Management team should work with Finance staff to determine if a report can be provided to show the activity in the Unfunded Liability Trust Fund. If so, the KPPA Executive Management team should determine who will receive and review this report and how often this report should be received (it is recommended that the report be received at least quarterly). If this type of report is not available, KPPA Executive Management should work with Finance staff to determine how information related to the activity in the Unfunded Liability Trust Fund can be communicated to KPPA.
KPPA Executive Management Response:	KPPA Executive Management Response: Control of the Kentucky Retirement System Unfunded Liability Trust Fund rests with the State Finance Cabinet. In short, we cannot force distribution of those funds. However, KPPA Management will request a report from the Finance Cabinet regarding the balance in this fund.
Implementation Date:	12/29/2023
Auditor Response::	To clarify, the recommendation by Internal Audit did not indicate that KPPA management should attempt to "force distribution" of funds held in the Kentucky Retirement Systems Unfunded Liability Trust Fund. Internal Audit recommended that KPPA monitor the activity in this trust since any funds held in that trust are owed to the plans administered by KPPA.

9. Member Banking Information is not Protected

Condition:	Finance staff sends emails pertaining to NSF transactions to the KPPA Accounting Assistant Director, Cash Management branch. These emails contain files with member names and banking information. Accounting staff print and store the files on a bookshelf that is kept in an open space, which is accessible to anyone who has access to Building C of the KPPA Frankfort campus.
Criteria:	<ol style="list-style-type: none"> 1. Kentucky Revised Statute 61.932 (1)(a) states, "An agency or nonaffiliated third party that maintains or otherwise possesses personal information, regardless of the form in which the personal information is maintained, shall implement, maintain, and update security procedures and practices, including taking any appropriate corrective action, to project and safeguard against security breaches." 2. The KPPA Access Control Policy, Section 5 states, "All KPPA data shall be classified in accordance with the KPPA Data Classification Policy, its access determined by the business owner, and access granted based on the Principle of Least Privilege."
Cause:	Procedures have not been established to ensure files related to NSF transactions are securely stored and accessible only to those who have a business need to access the files.
Effect:	Member banking information could be stolen and misused. Since there are no cameras in office pointed towards this particular bookshelf, it may not be possible to track down who accessed this information in the case of theft.
Recommendation:	The CFO should ensure files related to NSF transactions are stored electronically, with access limited to employees who have a business need to review the files.

Accounting Management Response:	We concur with the finding, and took immediate action as follows: the emails pertaining to NSF transactions are no longer being physically printed. They are now being saved to a secure restricted access folder. In addition, the prior emails, that were printed, are now stored in a secure office.
Implementation Date:	12/9/2022
Auditor Response:	We commend Accounting staff for taking immediate action to begin working on a resolution to this issue when it was brought to their attention in December 2022. The space in the Frankfort office that is utilized by Accounting is currently undergoing carpet replacement so all items have been removed from the area. Once everything is back in place, Internal Audit staff will confirm that hard copies of NSF files have been secured.

10. Wording in Statute is Outdated

Condition:	Kentucky Revised Statutes 61.706 references the Kentucky Retirement Systems. However, this may be a reference to the former Kentucky Retirement Systems and not the Kentucky Retirement Systems as defined by Regular Session 2020 House Bill 484.
Criteria:	Regular Session 2020 House Bill 2020 created a separate Board of Trustees for CERS and KRS. KPPA was established to serve as the administrator of the various plans.
Cause:	Since this statute is not a commonly referenced statute for KPPA staff, it was overlooked when updates referencing KPPA were made to statutes.
Effect:	It may be unclear as to which entity is to receive funds from the Unfunded Liability Trust Fund, which could lead to funds being unintentionally disbursed to the wrong plan.
Recommendation:	KPPA Executive Director of Legal Services should review Kentucky Revised Statutes 61.706 and determine if this statute should be updated to reference the Kentucky Public Pensions Authority.
Office of Legal Services Response:	Kentucky Revised Statutes 61.706 creates the Kentucky Retirement System Unfunded Liability Trust Fund. This fund is administered by the Finance and Administration Cabinet. The KPPA Office of Legal Services can make suggestions to the Finance and Administration Cabinet, but the ultimate decision on whether to propose amendments to this statute lies with the agency that administers it.
Implementation Date:	8/31/2023
Auditor Response::	Kentucky Revised Statutes 61.706 is a retirement related statute. Internal Audit recommends KPPA Office of Legal Services work with the Finance and Administration Cabinet to ensure the wording of this statute is accurate.

11. Inaccurate Amounts Reported on the Administrative Expense Spreadsheet

Condition:	The administrative expenses recorded in Great Plains are used to generate the financial statements. Administrative expenses are also recorded on a spreadsheet, which is presented to KPPA Executive management and the multiple Boards of Trustees. As of June 30, 2022, there was a difference of \$2,940 in the total administrative expenses reported in Great Plains and reported on the Administrative Expense spreadsheet. After inquiry by Internal Audit staff on August 22, 2022, the Administrative Expense spreadsheet was updated to reflect changes to four of the line items. While the overall total for administrative expenses then matched between Great Plains and the Administrative Expense spreadsheet, there were still variances in seven individual line items:
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	<ol style="list-style-type: none"> 1. Account 111 - Salaries 2. Account 141A - Legal Hearing Officers 3. Account 141L - Legal Expense 4. Account 146 - Consulting Services-Actuary 5. Account 146A - Medical Reviewers 6. Account 381 - Dues and Subscriptions 7. Account 381I - Dues and Subscriptions-Investments <p>While the variances may not be material to the financial statements, materiality is not a consideration when reviewing internal controls because without proper controls, a material variance could occur.</p>
Criteria:	200 KAR 38:070 §2 states, "(2) Each fiscal officer shall develop and document internal controls to both prevent and detect abuse, unintentional errors, and the fraudulent disbursement of funds or use of state assets...(3) An internal control plan shall include...(c) Procedure that provides for the internal review of all transactions processed by the agency...The internal review shall include, but is not limited to, the following: (4) Review of transactions for appropriate accounting codes and accuracy..."
Cause:	<ol style="list-style-type: none"> 1. The individual who reconciles the Administrative Expense spreadsheet to Great Plains is the same individual who enters the transactions into the Administrative Expenses spreadsheet. This individual can also enter transactions into eMARS. 2. The procedures to reconcile the Administrative Expense spreadsheet are not documented. 3. The Administrative Expense spreadsheet contains information for several fiscal years. The formulas in the Administrative Expense spreadsheet that are used to match to the amounts in Great Plains were not updated properly when additional information was added. As a result, the variances in these accounts were not caught by Accounting staff.
Effect:	The Boards of Trustees may not be provided with an accurate reflection of administrative expenses incurred for the year.
Recommendations:	<ol style="list-style-type: none"> 1. An individual who is independent of the administrative expense process should review the reconciliation of the Administrative Expense spreadsheet to Great Plains and verify that the reconciliation is complete and accurate. This review should be documented. 2. The procedures to perform the reconciliation of the Administrative Expense spreadsheet should be documented. 3. The Administrative Expense spreadsheet should only contain information relevant to the current fiscal year. This would reduce the chances of the Administrative Expense spreadsheet becoming corrupt, which would cause data loss. It would also make it easier to ensure formulas are properly updated. <ol style="list-style-type: none"> a. Accounting staff should remove information related to prior fiscal years. Currently the spreadsheet contains information back to fiscal year since 2016, even though this information is retained elsewhere. b. Accounting staff should remove tabs that are no longer used.
Accounting Management Response:	We concur with the finding and have implemented a second review of the Administrative Expense Spreadsheet. In addition, we will review and enhance current controls where appropriate regarding the reconciliation of the Administrative Expense Spreadsheet to Great Plains. This will include the documentation of independent review of the reconciliation, presumably by the CFO, updated documentation of the procedures, and the determination of

	maintaining prior year data within the spreadsheet. This will be fully implemented by September 30, 2023.
Implementation Date:	9/30/2023
Auditor Response:	We appreciate the CFO's willingness to increase controls related to the review and reconciliation of the Administrative Review spreadsheet as well as staff's willingness to consider if the data maintained in the spreadsheet can be reduced.

12. Meeting minutes not uploaded timely – *Recurring Issue*

Condition:	The following meeting minutes were not posted to the KPPA website within 72 hours of the meeting minutes being approved: <ol style="list-style-type: none"> 1. CERS Finance Committee - February 24, 2022 2. KPPA - March 24, 2022 3. KERS Board of Trustees - April 12, 2022 4. CERS Board of Trustees - April 20, 2022 5. KPPA - April 28, 2022 6. CERS Finance Committee - June 2, 2022 7. KERS Board of Trustees - June 6, 2022 8. CERS Board of Trustees - June 14, 202 9. KPPA - June 16, 2022 10. CERS Board of Trustees - June 27, 2022
Criteria:	Kentucky Revised Statute 61.645 §19 states, "In order to improve public transparency regarding the administration of the systems, the board of trustees shall adopt a best practices model by posting the following information to the Kentucky Public Pensions Authority's Web site and shall make available to the public...(d) All board minutes or other materials that require adoption or ratification by the board of trustees. The items listed in this paragraph shall be posted within seventy-two (72) hours of adoption or ratification of the board..."
Cause:	<ol style="list-style-type: none"> 1. The KPPA By-laws have not established a backup to sign minutes in the event the Chair is unavailable. 2. The KPPA Executive Staff Assistant was adjusting to her new role and the increased volume of meeting minutes. 3. There were times when the 72-hour deadline fell on a weekend or other non-business day.
Effect:	Meeting minutes are not available to the public by the date required in statute.
Recommendations:	<ol style="list-style-type: none"> 1. The KPPA Executive Director should work with the CEOs of CERS and KRS as well as the KPPA Chair to determine if the CERS, KRS, and KPPA bylaws should be updated to include a process for allowing the Vice Chair to sign the meeting minutes in the event the Board Chair is unavailable. 2. The KPPA Executive Director should work with the Executive Staff Assistant to ensure all approved meeting minutes have been posted to the KPPA website. <p>Note: There is currently proposed legislation to change the 72-hour rule to three business days, which should provide additional time to ensure the minutes are posted timely.</p>
KPPA Executive Management Response:	We concur with the finding, as the onset of COVID required the Board and Committee meetings be conducted by video conferencing, reducing the availability of the Board Chair to immediately sign the approved meeting minutes. Further due to technology constraints, some Committee Chairs requested receipt of the approved meeting minutes by US Mail,

	<p>causing further delay in timely posting to the website. The proposed change in legislation will provide additional time to post the meeting minutes. However, it may not provide enough time for those Committee and/or Board Chairs who wish to have the minutes sent by US Mail for signature. To accommodate their request, while meeting the 72-hour or, if approved, 3 business day deadline for posting the minutes to the website, steps have immediately been enacted to post an unsigned version of the approved minutes, until such time the minutes can be properly signed by all parties. The unsigned minutes will then be replaced with the signed minutes on the website. This has been immediately implemented as of February 7, 2023.</p>
<p>Implementation Date:</p>	<p>2/7/2023</p>
<p>Auditor Response:</p>	<p>Internal Audit agrees with the proposal to post unsigned minutes to the website until a signed copy is available. Internal Audit staff reviewed the KPPA website on February 15, 2023, and confirmed that all approved minutes have been posted to the KPPA website.</p>

Appendix A: Segregation vs Unitization

Internal Audit staff started with ensuring the KPPA account structure at BNY Mellon was clear before testing any transactions because this understanding was the groundwork for determining what should be happening in the Chase accounts.

Definition of terms used:

A **unitized fund** is a type of investment fund structure that uses pooled money to invest with individually reported unit values for investors. Assets in the pool are managed to a specific objective, often with concentration in one stock. Investors are provided with a daily unitized value for their portion of the investment. Unitized funds are often used in employee benefit plans such as pensions. (Chen, 2022 June 22, [Unitized Fund \(investopedia.com\)](#))

Pooled funds are funds in a portfolio from many individual investors that are aggregated for the purposes of investment. Mutual funds, hedge funds, pension funds and **unit** investment trusts are all examples of professionally managed pooled funds. (Chen, 2022 March 26, Pooled Funds: Definition, Examples, Pros & Cons (Investopedia.com))

The accounts at BNY Mellon that pay out capital calls and receive dividends have been referred to as the pension and insurance cash accounts by KPPA staff. However, BNY Mellon representatives refer to these accounts as master trust accounts.

A **master trust** in an investment vehicle that collectively manages pooled investments. It can refer to the main fund where assets are pooled and collectively managed in a **master-feeder structure**, also called a hub and spoke structure. Employers can use a master trust structure for pooling investments in an employee benefit plan. (Chen, 2022 April 25, Master Trust (Investopedia.com)).

A **master-feeder structure** is a device commonly used by hedge funds to pool taxable and tax-exempt capital raised from investors in the United States and overseas into a master fund. Separate investment vehicles, otherwise known as feeders, are established for each group of investors. Investors put capital into their respective **feeder funds**, which ultimately invest assets into a **centralized vehicle** known as the master fund. The master fund is responsible for making all portfolio investments and conducting all trading activity. Management and performance fees are paid at the feeder-fund level. (Hayes, 2022 March 30, Master-Feeder Structure: Definition, How It Works, Pros & Cons (Investopedia.com))

A **feeder fund** is one of several sub-funds that put all of their investment capital into an overarching umbrella fund, known as a master fund, for which a single investment advisor handles all portfolio investments and trading. This two-tiered investment structure of a feeder fund and a master fund is commonly used by hedge funds as a means of assembling a larger portfolio account by pooling investment capital. **Profits from the master fund are then split, or distributed, proportionately to the feeder funds based on the percentage of investment capital they have contributed to the master fund.** (Chen, 2020 March 26, Bank Fees: Everything to Know About How Banks Make Money (Investopedia.com))

In contrast to the fund structure described on the previous page, BNY Mellon representatives confirmed that the segregated structure is the account structure used by KPPA at BNY Mellon

Segregation refers to the separation of assets from a larger group or creating accounts for specific group, assets or individuals. Investors can expect to pay a slightly higher total expense ratio on segregated funds due to their more complex structure. Additionally, these fund offerings typically do not have aggressive fund objectives. Therefore, returns from the funds tend to be more modest. (Chen, 2022 April 8, Segregated Fund: Definition, How it Works, Examples (Investopedia.com)).

Commingled fund is a portfolio consisting of assets from several accounts that are blended together. Commingled funds exist to reduce the cost of managing the constituent accounts separately. Commingled funds are a type of *pooled fund* that is not publicly listed or available to individual retail investors. Instead, these are used in closed retirement plans, pension funds, insurance policies, and other institutional accounts. (Hayes, 2022 April 24, Commingled Fund: Definition, Purpose, How They Work, and Example (Investopedia.com))

By definition, KPPA's pension and insurance master trust accounts are commingled because these are pooled funds. Units owed by each plan are accounted for using unitized accounting.

Please refer to Figure 1 below for a simplified version of Unitized and Segregated account structure.

Internal Audit staff asked BNY Mellon representatives which of the cash flow models in Figure 1 best represents what is happening at the plan level (KERS, KHAZ, CERS, CHAZ, SPRS) for outgoing or incoming wires at the custodial bank. BNY Mellon representatives confirmed, in an email, that the segregated model is the current structure for these accounts because this is how the accounts were originally set up when the contract was enacted. However, BNY Mellon representatives stated in the email conversation that the unitization model can be accomplished by changing the template used by KPPA Accounting. A change to the unitization method would pull cash from the master trust unit cash accounts instead of the segregated plan cash accounts. BNY Mellon Cash Management and Accounting teams would then record units owned by each system in an accounting transaction (i.e., on paper) and not an actual movement of cash. It is recommended that the CIO discuss this option with BNY Mellon representatives (refer to finding #1 in the report). A switch to the unitization method would reduce the number of times cash is touched. Each interaction is an opportunity for error and/or fraud. As this process stands, there are twelve separate interactions for each incoming wire transaction.

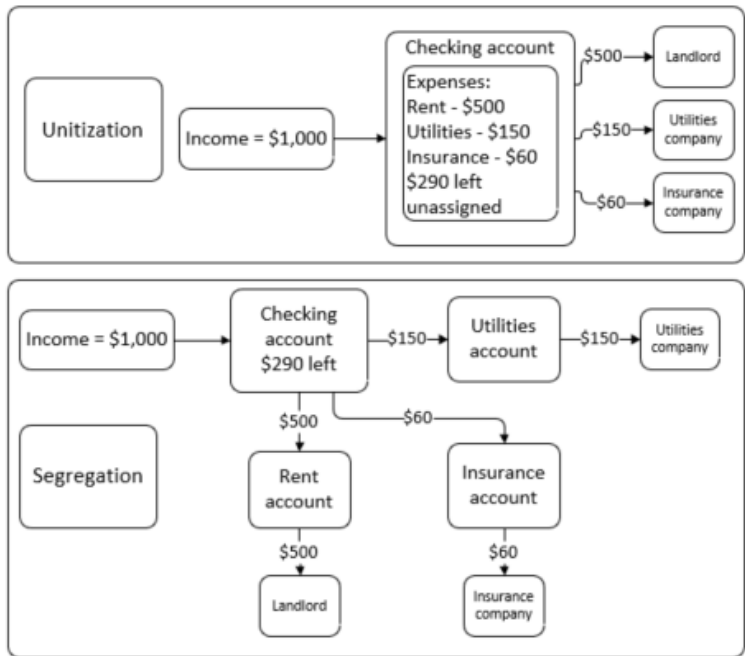


Figure 1: Simple example given to BNY and Chase representatives to confirm KPPA account structure.

For every transaction that moves from BNY Mellon to Chase or vice versa, the BNY Mellon Accounting team must manually move money from the pension or insurance master trust accounts to the five segregated cash accounts for each system. The daily qualification wire process is included as an example. See the cashflow map in Figure 2 for a visual of the cashflow and wire counts. The red dots represent the order of events, the dotted lines represent a process, and the solid lines represent movement of cash. Without counting the incoming wires or check submissions from employers, it takes two wires and ten transfers to complete the process. The daily qualification process is included in the cash flow diagrams to show that everything flowing through the Chase accounts is funded by member and employer contributions and to show the volume of wires and transfers used to complete each process associated with these contributions.

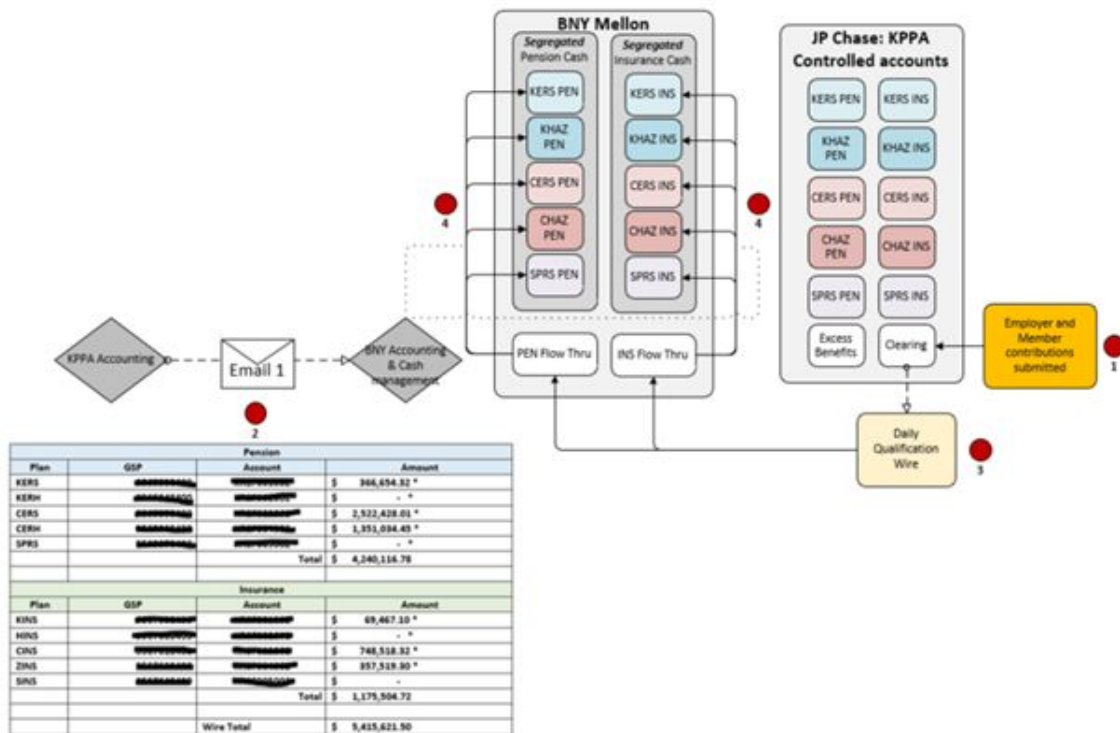


Figure 2: Daily qualification wire cash flow

For testing purposes in this audit, Internal Audit staff verified that transactions flowing in and out of the pension and insurance master trust accounts to the Chase plan accounts happened as directed in emails from KPPA Accounting to BNY Accounting and Cash Management teams. This enabled the Internal Audit staff to conclude that the BNY Mellon Accounting team moved the correct amount from the master trust pension and insurance accounts to the plan level segregated cash accounts and that KPPA Accounting staff correctly moved money out of or into the corresponding accounts at Chase.

Internal Audit staff spoke to Chase representatives about Chase’s capability to unitize our accounts using the same graphic provided in Figure 2. Greg Mullins, Vice President of the Government Banking branch at J.P Morgan Chase stated:

I’ve researched the question around the Bank’s ability to unitize accounts and learned that this is a service that the Commercial Bank is unable to support. As a point of reference, the Commercial Bank provides the banking services for KPPA under the General Banking Master Agreement managed through the Commonwealth of Kentucky’s Office of Financial Management. Unitized accounting is currently offered as part of our custodial banking capabilities (within J.P. Morgan’s Corporate & Investment Bank). In case you are interested, we can schedule a discussion with representatives from this area to further discuss the opportunity and potential solutions.

Appendix B: Process Descriptions and Testing Methodologies

This appendix will review the various types of transactions that flow through the non-custodial accounts. For each transaction type a description of the process will be provided as well as summary of how the transactions were tested during the audit. Internal Audit staff noted various processes that are being recommended for a future audit.

The process(es) that BNY Mellon Accounting and Cash Management teams take to move funds across various accounts at BNY Mellon will be reviewed in depth during Phase 3 of the Plan Liquidity Audit (this audit is currently in process).

1: Recurring and Supplemental Payrolls (retiree benefits)

There are two types of retiree payrolls that run each month: recurring and supplemental.

Both payrolls are submitted to Finance and the State Treasurer through a check writer file uploaded to the state accounting system, eMARS. This file is sent to Chase from Finance. The process that creates this file is recommended for a future audit.

Recurring payrolls

- Covers new retirees and ongoing retiree payments. It usually runs the first week of the month payroll has a schedule, but it must run earlier than the 14th of the month in order to generate checks to be mailed on the 14th and EFT files to be sent to financial institutions prior to the 14th of every month. Checks in this payroll can be a direct deposit (EFT) to a member's account or a paper check mailed to the address on file.

Supplemental payrolls

- Covers various scenarios such as member account refund, recalculated checks, and survivor benefit payments. This payroll runs every two weeks. Payments in this payroll are only paper checks mailed to the address on file.

Occasionally, insurance checks are processed through Supplemental payroll only. These are reimbursements to members who over paid health insurance premiums.

Excess benefits are also written in these payroll files. These checks are for members with benefits exceeding the Internal Revenue Code Section 415 limit. Whatever is needed each month to cover excess benefits is moved from the five pension plan accounts at Chase to the singular Excess Benefit account at Chase through a journal voucher (JV) transfer in eMARS. The transfer amount needed is entered into KPPA's accounting systems Great Plains (GP) which creates a JV document that is uploaded to eMARS. Finance staff send the digital document to Chase. Staff at Chase then move the money according to the instructions in the digital document.

After the payroll has been balanced by KPPA's Retiree Payroll and Accounting divisions, a Graduate Accountant prepares the wires in Nexen (BNY Mellon) to move the funds from the plan accounts at BNY Mellon to the individual bank accounts at JP Morgan Chase. An email is provided from KPPA Accounting to KPPA Investment OPS and BNY Mellon cash team to notify them of the outgoing wire. The notification of the upcoming wire prompts the BNY Mellon Cash Management team to initiate a transfer to move cash from the Pension Master Trust account to the plan accounts (*figure 1*).

The hazardous accounts, KHAZ and CHAZ, are set up at Chase so that neither checks nor direct deposits can be withdrawn from these accounts. KERS and CERS pension cash accounts at Chase do not have to be reimbursed for the KHAZ and CHAZ benefits paid from these accounts because the amounts KHAZ and CHAZ are obligated to pay are transferred from the proper hazardous pension plan account at BNY Mellon.

The EFT portion of recurring payrolls leaves the Chase accounts on the same day the wires are received from BNY Mellon. Paper checks are added to the outstanding check balance to recognize the expense and are taken under consideration when reviewing the accounts during the monthly reconciliation process. Paper checks must be cashed within one year of being written, otherwise the check will be voided and placed in a status called ESCHEAT which is a process handled by Finance and will also be discussed later.

There are potentially 15 wires and transfers needed to complete the supplemental/recurring payroll process:

- Five transfers from BNY Mellon pension master trust account to plan accounts at BNY Mellon.
- Five wires from the plan accounts to a corresponding Chase account.
- Five transfers from pension accounts at Chase to the Excess Benefits account, if needed.

When the total wires/transfers from the daily qualification process are included (12) it potentially takes 27 wires and/or transfers to fund these payments (Daily qualification wire count from Appendix A).

Testing Methodology

Internal Audit staff took the following steps for all 12 recurring and 27 supplement payrolls that occurred in fiscal year 2022:

1. Verified the total amount needed for payroll by reviewing the Recurring and Supplemental payroll Register reports in LOB.
 - a. Confirmed the amount on the LOB reports agreed to the email from KPPA Accounting to BNY Mellon.
 - b. Ensured proper amount was transferred from BNY Mellon to Chase.
 - c. Confirmed KERS and KHAZ totals were deposited correctly in the Chase KERS pension account. Confirmed that the accurate total for ETF payments left the Chase account by finding the matching transaction in eMARS.
 - d. Confirmed CERS and CHAZ totals were deposited correctly in the Chase CERS pension account. Confirmed that the accurate total for ETF payments left the Chase account by finding the matching transaction in eMARS.
 - e. Confirmed SPRS total was deposited correctly in the Chase SPRS pension account. Confirmed that the accurate total for ETF payments left The Chase account by finding the matching transaction in eMARS.
2. For payrolls that included excess benefits, the following steps were completed:
 - a. Confirmed that the system funding the excess benefits had a withdrawal matching the Payroll Register report from LOB.
 - b. Found the corresponding deposit in the Excess Benefit account. Confirmed that the accurate total for ETF payments left the Chase account by finding the matching transaction in eMARS.

- c. Verified all checks written for these benefits were cashed during the fiscal year.
 - i. Matched the total for each check recorded on the pay register to the checks cashed.
 - ii. Verified all checks were accounted for by looking for a break in the check number sequence.

Accounting Staff,

Please prepare instructions in Workbench (profiles noted below) to BNY Mellon, instructing them to wire **\$184,414,267.54** from the Pension Accounts, July 14, 2021, to Chase Bank per the following breakdown:

Instruction to BNY Mellon		
Pension - Recurring/Supplemental		
Account Number	Amount	Profile ID
KERS - [REDACTED]	\$ 81,719,270.85	KR2 WIRE OUT TO CHASE KERS*
KERH - [REDACTED]	\$ 6,033,579.69	KR2 WIRE OUT FROM KHAZ TO KERS*
CERS - [REDACTED]	\$ 67,229,258.41	KR2 WIRE OUT TO CHASE CERS*
CERH - [REDACTED]	\$ 24,219,524.95	KR2 WIRE OUT FROM CHAZ TO CERS*
SPRS - [REDACTED]	\$ 5,212,633.64	KR2 WIRE OUT TO CHASE SPRS*
Total	\$ 184,414,267.54	

Figure 1: Email from KPPA accounting to BNY Cash Management and Accounting. This is email 1 in the cash flow graphic shown in figure 2.

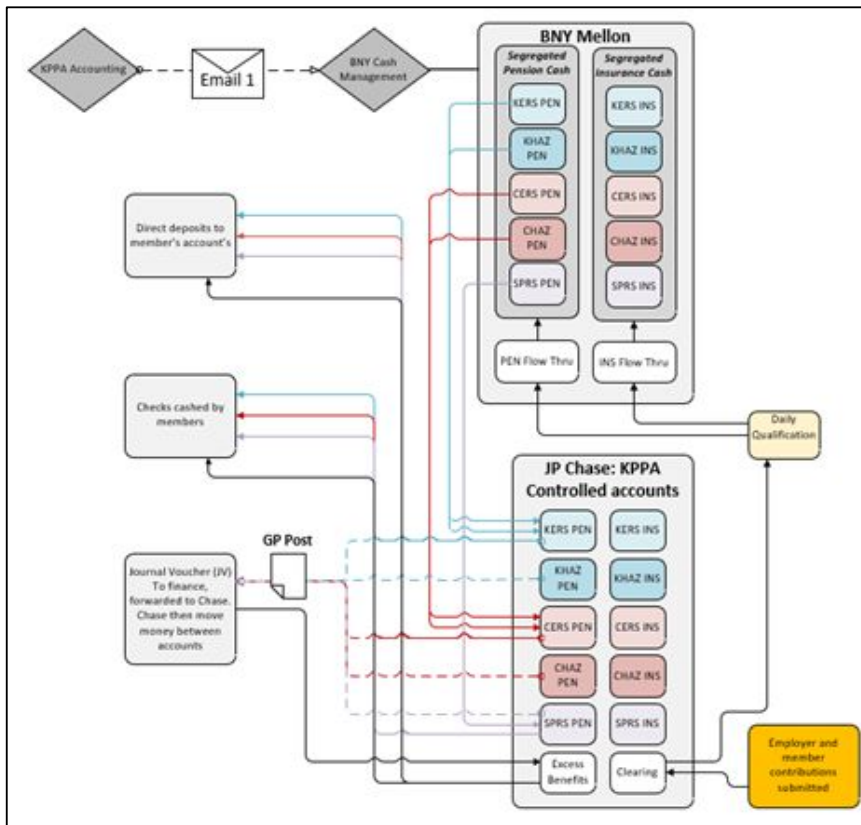


Figure 2: Retiree payroll cash flow

2: Cancelled checks, ESCHEATS, and accompanying re-issuances

Benefits issued in the retiree payroll process can be cancelled for various reasons such as, but not limited to, checks lost in the mail, death of retiree or beneficiary, incorrect banking information, recalculation of benefits, and checks not cashed within one year of issuance (ESCHEAT). The processes involved in correcting these issues have been recommended for future audits.

Finance writes off checks that go into ESCHEAT status through an accounting entry that decreases the outstanding check balance used in the monthly reconciliation process and increases the balance of KPPA's five ESCHEAT accounts.

Cancelled and ESHCEAT checks are still due to the member and can be called upon at any time. Even if a member has passed, they are still due all benefits written prior to the confirmed date of death per KRS 61.630. Re-issuance of a check is triggered by a proper member or beneficiary request. This request is sent to the State Treasurer where it will be re-written from the Finance controlled General Account (GA) as a GA check number. These items can be identified on the report from the Finance cabinet and are accounted for during reconciliations by reducing the outstanding check balance. The Finance report shows these transactions in the "re-issued check" section of their report with the original check number and the GA number. The amount needed to fund the re-issued check is transferred to the Finance account from the appropriate KERS, CERS or SPRS pension cash accounts at Chase, whichever account issued the original check.

Testing Methodology

For fiscal year 2022, a total of 43,652 paper checks were written or cashed from all Chase Accounts. For each paper check written, Internal Audit staff took the following steps:

1. Compared the check number and paid amount in Chase to the Check Register Report from LOB.
 - a. Reviewed the accompanying check picture and corrected check numbers in the testing spreadsheet for check numbers that were shown incorrectly in Chase.
 - b. Confirmed that Chase made a correcting transaction for checks that were cashed twice or cashed for the wrong amount.
2. Reviewed eMARS to obtain the status of each outstanding check.
 - a. If the check was marked as Cancelled or ESCHEAT and then re-issued with a GA check number, Internal Audit staff located the matching withdrawal in the corresponding Chase account to verify that the correct amount was withdrawn.
 - b. If the check was marked as ESCHEAT and not re-issued, this was noted in the testing worksheet.
 - c. If the check was less than a year old and still in “distributed” status, then this was marked as an outstanding check on the testing worksheet.

3: NSF from members

Member invoices are created for various reasons, such as, but not limited to members purchasing months of service, members paying health insurance premiums and member reimbursements due to KPPA for overpayments. Some invoices can be paid with paper checks from members, some withdrawals are automatically initiated by LOB, and others are paid by rolling over pre-tax dollars from another retirement account like an IRA or deferred compensation. The processes involving these invoices are recommended for future audits.

When an invoice is created for an amount that was overpaid to a member, Chase automatically credits the account that originally made the overpayment. If the invoice is unable to be paid due to insufficient funds in the member’s account, the amount is supposed to be withdrawn from the cash account that received the credit. However, during testing it was determined that these withdrawals are all made from KERS pension account, rather than from the account that received the original credit (see finding: KERS Funds Spent to Cover Expenses of Other Plans).

Finance staff generate a report from Chase showing all NSFs and upload this file to eMARS to generate the document code used to track these transactions in eMARS. The same staff member at Finance then sends this file, via an encrypted email, to the KPPA Accounting Assistant Director, Cash Management Branch. At the time of the audit, the email and attached documents were printed in the KPPA Frankfort office and stored on a bookshelf in the open space occupied by Accounting staff. This process was changed effective 12/13/2022 (see finding: Member Banking Information is not Protected).

Testing Methodology

Internal Audit staff took the following steps to test the NSF items:

1. Sorted through printed emails to determine population size of NFS transactions that occurred during fiscal year 2022.

2. Created a database including member, amount, system credited when invoice was created, and system charged to cover the NSF.
3. Obtained back-up documentation not found in the printed files at the KPPA Frankfort office.
4. Ensured each person on the NSF report was a KPPA member or beneficiary, that there was an invoice recorded in LOB for the amount withdrawn, and that the member participated in the system covering the NSF.

4: KPPA Administrative Expenses

The KPPA Accounting division calculates the total administrative budget at the beginning of each fiscal year. During the scope of the audit, that total was divided by 24 in order to determine the amount to be wired from the BNY Mellon master trust pension account twice a month.

KPPA Accounting staff prepare and email a breakdown of the needed amount to BNY Mellon Cash Management and Accounting teams. KPPA Accounting staff request that plan specific amounts be moved from the master trust pension account to the segregated pension accounts (figure 3). KPPA Accounting then initiates a wire from the segregated cash accounts at BNY Mellon to the corresponding Chase accounts (figure 3). Finally, the money is transferred from the Chase accounts to the state General Fund. All administrative expenses are paid from the General Fund. A reconciliation of the General Fund is being conducted in a current audit.

In order to move money from BNY Mellon to the General Fund, there are 15 wires and transfers:

- Five transfers from BNY Mellon pension master trust account to plan accounts at BNY Mellon.
- Five wires from the BNY Mellon plan accounts to corresponding Chase accounts.
- Five transfers from Chase to the General Fund.

When the total wires/transfers from the daily qualification process are included (12), it takes 27 wires/transfers to fund these payments (Daily qualification wire count from Appendix A).

Testing Methodology

Internal Audit staff took the following steps for all 24 administrative transfers that occurred during fiscal year 2022:

1. Confirmed that the proper amount was transferred from the master trust pension account.
2. Confirmed that plan specific amounts were correctly deposited into and withdrawn from the proper Chase accounts.
3. Confirmed that the proper amount was transferred to the General Fund.
4. Recalculated the amount spent on KPPA administrative expenses during the fiscal year to confirm that any excess funds transferred from BNY Mellon were properly returned to BNY Mellon.
5. Compared the KPPA Administrative Expense spreadsheet to Great Plains to ensure that each expense was coded properly.

Accounting Staff,
 Please prepare instructions in WorkBench (profiles noted below) to BNY Mellon, instructing them to wire \$2,000,230.00 from the Pension Accounts, August 3, 2021 to Chase Bank per the following breakdown (code as Administration Fees - 425):

Instruction to BNY Mellon		
Pension		
Account Number	Amount	Profile ID
KERS - [REDACTED]	\$ 624,799.70*	KR2 WIRE OUT TO CHASE KERS
KERH - [REDACTED]	\$ 66,817.80*	KR2 WIRE OUT TO CHASE KHAZ
CERS - [REDACTED]	\$ 1,190,231.50*	KR2 WIRE OUT TO CHASE CERS
CERH - [REDACTED]	\$ 104,863.40*	KR2 WIRE OUT TO CHASE CERH
SPRS - [REDACTED]	\$ 13,522.60*	KR2 WIRE OUT TO CHASE SPRS
Total	\$ 2,000,230.00	

Figure 3: Email from KPPA accounting to BNY Cash management and accounting for Admin expenses

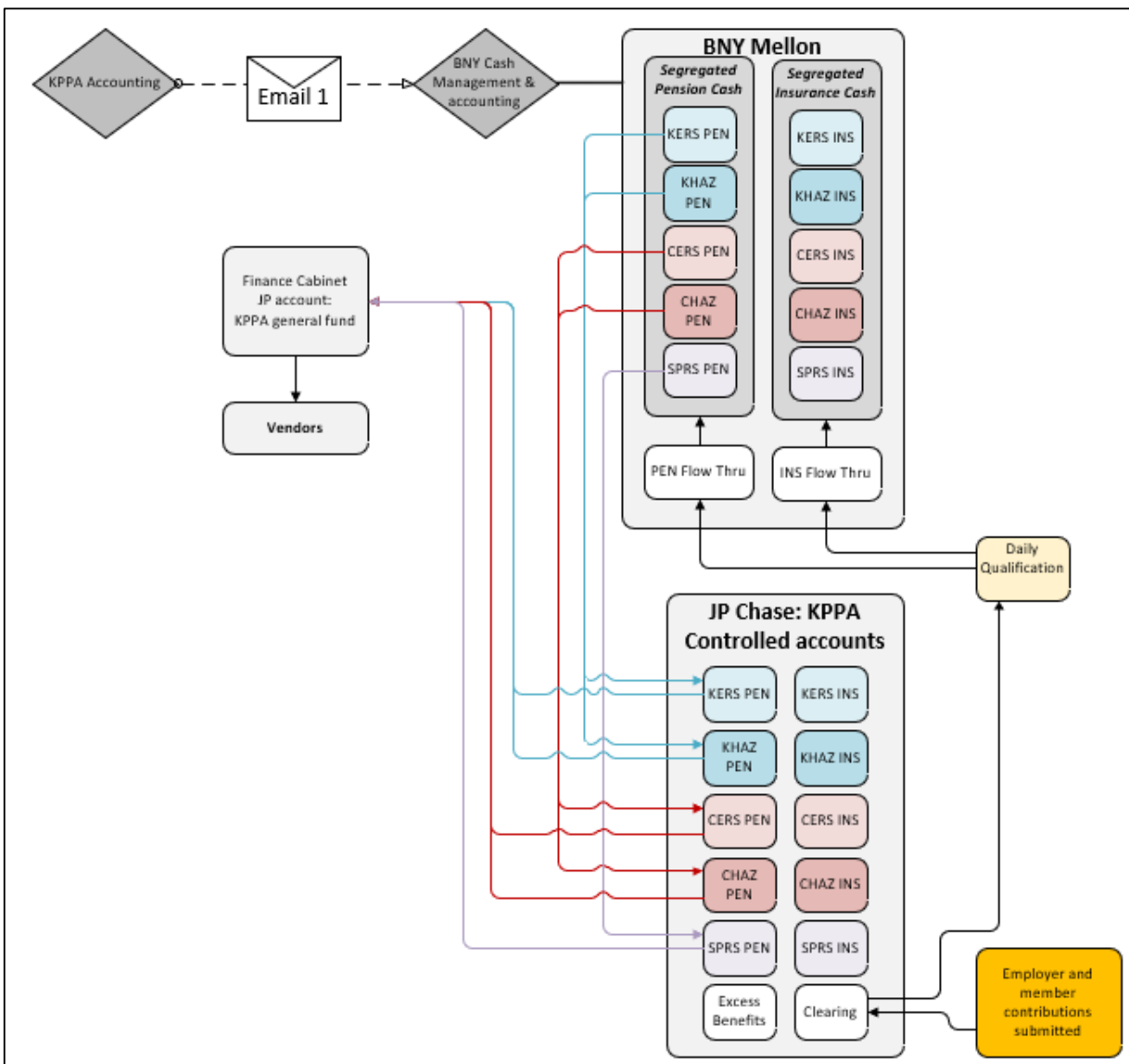


Figure 4: KPPA admin fee cash flow

5: Department of Employee Insurance (DEI) premiums and associated administrative fees

Once a month retiree insurance premiums and admin fees incurred by DEI are paid. These payments are for members who are under 65 and are not eligible for Medicare benefits. Payments for admin fees only come from the Insurance account, but the premium payments come from both the Insurance and Pension accounts at BNY (figure 8).

1. Accounting staff prepare three emails to BNY cash management and accounting groups to ask that plan specific amounts be moved from the master trust Pension and Insurance accounts to the segregated pension accounts (figures 5-7).
2. BNY cash management and accounting move money from the master trust Pension and Insurance accounts to the segregated plan accounts.
3. KPPA accounting wires the system specific amounts from the segregated plan accounts to the corresponding cash account at Chase.
4. The money is transferred from the Chase accounts directly to DEI.

To pay these benefits there are a total of 40 wires and transfers:

- 5 transfers from BNY Pension master trust account to plan accounts at BNY
- 10 transfers from BNY Insurance master trust account to plan accounts at BNY.
- 15 wires from the BNY plan accounts to Chase plan accounts.
- 10 transfers from Pension and Insurance accounts at Chase to DEI.

Adding the daily qualification process wire and transfer count (12) to ultimately fund these payments makes 52 wires and transfers (Daily qualification wire count from Appendix A).

Testing Methodology

Internal Audit staff took the following steps:

1. Confirmed that the total needed left the master trust pension account according to the email from KPPA Accounting.
2. Confirmed that plan specific amounts were deposited and withdrawn correctly from Chase accounts.
3. Confirmed that the totals arrived in the state's General Fund and that the overall total left correctly.

Accounting Staff,

Please prepare a letter of direction today to BNY Mellon, instructing them to wire \$203,664.56 from the **Insurance Account** July 15, 2021, to Chase Bank for Admin Fees per the following breakdown:

Instruction to BNY Mellon		
Insurance		
Account Number	Amount	Profile ID
KINS - [REDACTED]	\$ 68,376.00	KR3 KERS INS*
HINS - [REDACTED]	\$ 10,184.00	KR3 KHAZ INS*
CINS - [REDACTED]	\$ 77,808.56	KR3 CERS INS*
ZINS - [REDACTED]	\$ 41,799.64	KR3 CHAZ INS*
SINS - [REDACTED]	\$ 5,496.36	KR3 SPRS INS*
Total	\$ 203,664.56	Note: Use total on Profile, BNY Mellon will breakdown per email

Figure 5: Admin fees paid only from Insurance.

Accounting Staff,

Please prepare instructions in Workbench (profiles noted below) to BNY Mellon, instructing them to wire \$19,390,126.83 from the **Insurance Accounts**, July 15, 2021, to Chase Bank per the following breakdown:

Instruction to BNY Mellon		
Insurance		
Account Number	Amount	Profile ID
KINS - [REDACTED]	\$ 5,156,830.53	KR3 KERS INS *
HINS - [REDACTED]	\$ 1,287,904.58	KR3 KHAZ INS*
CINS - [REDACTED]	\$ 5,613,025.73	KR3 CERS INS*
ZINS - [REDACTED]	\$ 6,455,922.23	KR3 CHAZ INS*
SINS - [REDACTED]	\$ 876,443.76	KR3 SPRS INS*
Total	\$ 19,390,126.83	Note: Use total on Profile, BNY Mellon will breakdown per email

Figure 6: Insurance portion of premium payments.

Accounting Staff,
Please prepare instructions in Workbench (profiles noted below) to BNY Mellon, instructing them to wire \$4,096,958.76 from the Pension Accounts, July 15, 2021, to Chase Bank per the following breakdown:

Instruction to BNY Mellon		
Pension		
Account Number	Amount	Profile ID
KERS - [REDACTED]	\$ 1,679,479.19	KR2 WIRE OUT TO CHASE KERS*
KERH - [REDACTED]	\$ 105,540.00	KR2 WIRE OUT TO CHASE KHAZ*
CERS - [REDACTED]	\$ 2,009,806.74	KR2 WIRE OUT TO CHASE CERS*
CERH - [REDACTED]	\$ 277,425.51	KR2 WIRE OUT TO CHASE CERH*
SPRS - [REDACTED]	\$ 24,707.32	KR2 WIRE OUT TO CHASE SPRS*
Total	\$ 4,096,958.76	

Figure 7: Pension portion of premium payments.

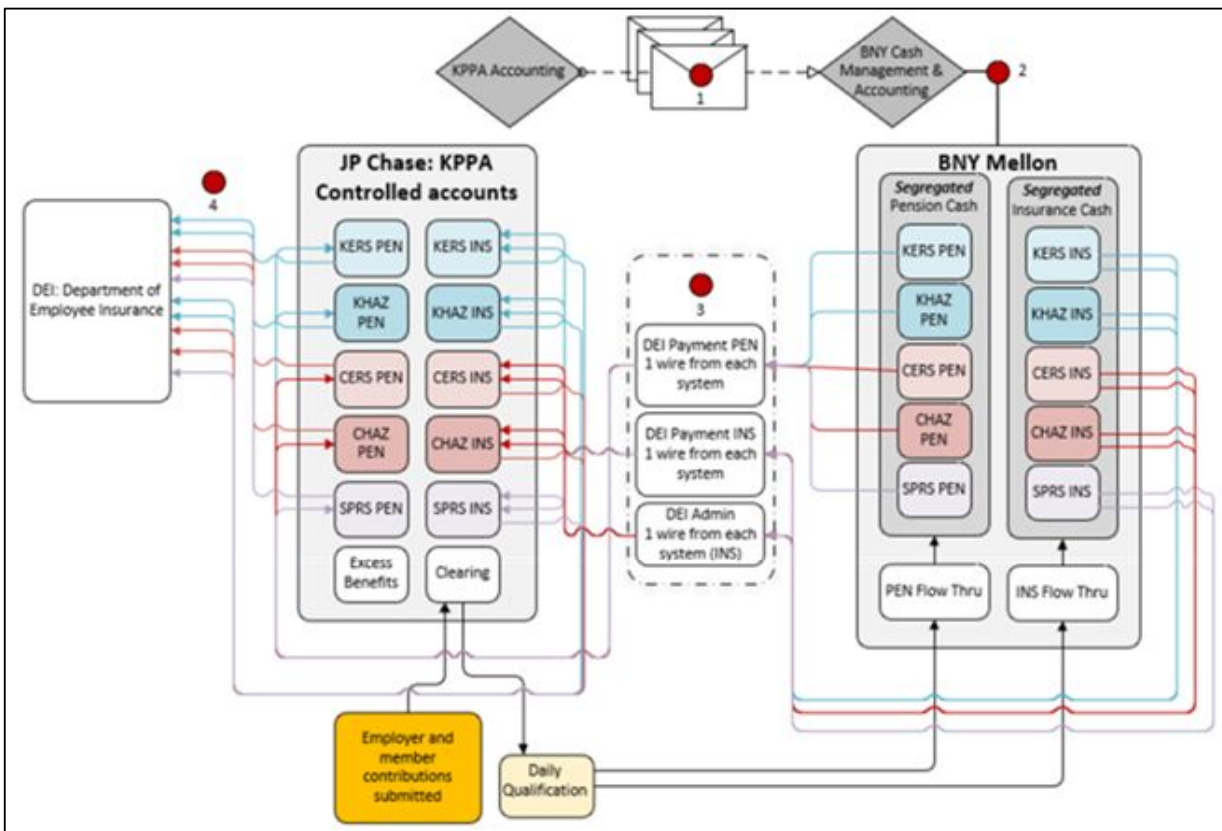


Figure 8: DEI Payment and Admin fee cash flow

6: Monthly Reconciliation procedures

Procedures for the monthly reconciliation compare activity at Chase against activity logged in GP. These two balances may differ because an expenses or deposit may be recorded in one system, but not yet logged in the other system. Figure 9 below shows the KERS pension reconciliation worksheet as an example.

1. The “pre-recon” balance is manually keyed in by the user (KPPA Accounting staff) from the GP balance as of the final day of the month.
2. Items in Chase that have not been recorded in GP are logged in the top section of the worksheet. The sum of deposits and expenses are populated in the corresponding cells of the rows labeled “2” below.
3. Items in GP that have not yet occurred in Chase are logged in the expense or deposit cells as a lump sum. There are no formulas in these cells.
4. The outstanding check total is calculated on the “Outstanding checks” tab in the reconciliation workbook (see figure 10). The outstanding check total is logged into GP to help reconcile GP to Chase.
 - a. The total monthly retiree benefits written (ETFs and checks) are manually keyed into the reconciliation worksheet. The sum is show in the bottom section of the tab in the corresponding row labeled “I.”
 - b. The total amount of checks cleared each day is manually keyed into a separate worksheet and then copied and pasted into this worksheet. The sum is show in the bottom section of this tab in the corresponding row labeled “II.”
 - c. Monthly adjustments in this section are re-issued checks, ESCHEATS written off, a daily NSF total if needed, reimbursements for checks that should not have been cashed, or cancelled checks. The sum is show in the bottom section of this tab in the corresponding row labeled “III.” These monthly adjustments will not show up in GP as individual items because they are accounted for in the monthly reconciliation process.
5. The “Chase Balance” value is manually keyed in by the staff member completing the reconciliation. This balance is obtained from the Chase monthly statement, which states the ending balance for the given month.

6. The “completed by” and “verified by” rows are provided for staff to sign.

Monthly Reconciliation - Chase Bank to Great Plains			
KERS ACCOUNT			
Period Ending:			
Date	Outstanding Chase Items	Chase Deposits	Chase Withdrawals
		\$0.00	
			\$0.00
	TOTAL OUTSTANDING ITEMS	\$0.00	\$0.00
	Pre-reconciled GP Balance	\$398,952.30	1
	Plus Outstanding Chase Deposits	\$0.00	
	Less Outstanding Chase Withdrawals	\$0.00	2
	Plus Outstanding GP Payments	\$0.00	
	Less Outstanding GP Deposits	\$0.00	3
	Post Reconciled GP Balance	\$398,952.30	
	Plus Outstanding Check Total - 2nd page	\$532,919.60	4
	GP Balance plus OC total	\$931,871.90	
	Chase Balance	\$931,871.90	5
	Difference	\$0.00	
	Completed By: _____		6
	Verified BY: _____		

Figure 9: Monthly reconciliation excel worksheet

3. If auditor work and Accounting work did not match, the line item was marked “disagree” and KPPA Accounting staff was asked to explain how the line item was calculated in order to resolve the difference.
4. If Internal Audit staff then could verify Accounting’s explanation of the difference, no further action was taken. If the explanation could not be verified, then the issue was counted as a finding.

In addition to testing the monthly reconciliation process as described above, Internal Audit staff also attempted to trace every transaction that occurred in Chase to the source document. Figure 11 below is a summary of transactions that Internal Audit staff was able to trace to source documents:

- Deposits – 34.08% of all deposits by count, which was 99.17% by value.
- Withdrawals – 88.24% of all withdraws by count, which was 99.92% by value.

Total transactions					Total explained in all tests					% Explained Overall				
Chase Plan	Deposits		Withdrawals		Chase Plan	Deposits		Withdrawals		Chase Plan	Deposits		Withdrawals	
	Count	Value	Count	Value		Count	Value	Count	Value		Count	Value	Count	Value
CHAZ PEN	132	\$ 7,063,515.93	44	\$ 7,122,235.84	CHAZ PEN	37	\$ 6,303,979.46	41	\$ 7,077,652.94	CHAZ PEN	28.03%	89.25%	93.18%	99.37%
CHAZ INS	67	\$ 81,512,549.80	38	\$ 81,544,100.00	CHAZ INS	30	\$ 81,454,110.73	17	\$ 81,244,282.96	CHAZ INS	44.78%	99.93%	44.74%	99.63%
CERS INS	175	\$ 86,075,896.10	56	\$ 85,945,770.03	CERS INS	28	\$ 78,704,204.29	50	\$ 85,911,691.60	CERS INS	16.00%	91.44%	89.29%	99.96%
CERS PEN	440	\$1,220,630,982.68	130	\$1,090,727,021.79	CERS PEN	128	\$1,213,817,384.52	114	\$1,090,277,554.79	CERS PEN	29.09%	99.44%	87.69%	99.96%
KHAZ PEN	88	\$ 3,639,575.56	43	\$ 3,659,386.07	KHAZ PEN	40	\$ 3,182,894.92	41	\$ 3,658,833.17	KHAZ PEN	45.45%	87.45%	95.35%	99.98%
KHAZ INS	54	\$ 17,106,544.30	27	\$ 17,140,234.02	KHAZ INS	28	\$ 17,039,359.39	17	\$ 17,078,325.46	KHAZ INS	51.85%	99.61%	62.96%	99.64%
KERS INS	128	\$ 93,755,112.03	31	\$ 85,242,264.64	KERS INS	27	\$ 90,566,964.02	28	\$ 85,172,913.25	KERS INS	21.09%	96.60%	90.32%	99.92%
KERS PEN	366	\$1,150,815,433.81	183	\$1,008,288,472.15	KERS PEN	121	\$1,145,048,477.71	171	\$1,007,003,042.66	KERS PEN	33.06%	99.50%	93.44%	99.87%
SPRS INS	31	\$ 12,180,437.87	17	\$ 12,178,776.73	SPRS INS	26	\$ 12,179,304.96	16	\$ 12,178,738.73	SPRS INS	83.87%	99.99%	94.12%	100%
SPRS PEN	83	\$ 279,901,203.53	60	\$ 272,840,475.32	SPRS PEN	68	\$ 279,774,637.26	60	\$ 272,840,475.32	SPRS PEN	81.93%	99.95%	100%	100%
Total	1564	\$2,952,681,251.61	629	\$2,664,688,736.59	Total	533	\$2,928,071,317.26	555	\$2,662,443,510.88	Total	34.08%	99.17%	88.24%	99.92%

Figure 11: Total count and value of transactions that occurred compared against total count and value of transactions that could be traced to source documents.

The charts above include items that were not easily traced to a source document. These items were tested with the following steps:

1. Auditor took a judgmental sample of withdraws and deposits from the ten Pension and Insurance accounts that had not been verified at the time of the first Exit Conference with Accounting staff. The sample was selected by picking the first transaction that had two eMARS document codes associated to one Chase transaction.
2. Each transaction was first located in the eMARS reports.
 - a. If the document code was “RMSLS,” then the last 5 digits from the code were entered in the "Maintain deposit" screen in LOB to verify that LOB has record of the deposit.
 - b. If the document code was “GAX,” then Accounting staff was asked for email or invoice to support the transaction.
 - c. If the document code was “ITA,” the auditor was able to locate back up in eMARS document catalog.
3. All general ledger transaction (GLTRX) items were filtered for in GP by value and transaction (TRX) date. The source document link was used to find more details about the transaction, such as a RMSLS code or explanation of the transaction.
 - a. If a RMSLS code was provided, this was put into the "maintain deposit" screen of LOB.
 - b. If a transaction description was provided, the auditor located the corresponding report in LOB.
 - c. If no other information was provided, Accounting staff were asked for the supporting documentation.

After this additional testing, the remaining left un-tested represented the following:

- Deposits – 65.92% of deposits by count and 0.83% by value.
- Withdrawals – 11.76% of withdraws by count and 0.08% by value.

Total transactions					Total remaining untested					% Untested				
Chase Plan	Deposits		Withdrawals		Chase Plan	Deposits		Withdrawals		Chase Plan	Deposits		Withdrawals	
	Count	Value	Count	Value		Count	Value	Count	Value		Count	Value	Count	Value
CHAZ PEN	132	\$ 7,063,515.93	44	\$ 7,122,235.84	CHAZ PEN	95	\$ 759,536.47	3	\$ 44,582.90	CHAZ PEN	71.97%	10.75%	6.82%	0.63%
CHAZ INS	67	\$ 81,512,549.80	38	\$ 81,544,100.00	CHAZ INS	37	\$ 58,439.07	21	\$ 299,817.04	CHAZ INS	55.22%	0.07%	55.26%	0.37%
CERS INS	175	\$ 86,075,896.10	56	\$ 85,945,770.03	CERS INS	147	\$ 7,371,691.81	6	\$ 34,078.43	CERS INS	84.00%	8.56%	10.71%	0.04%
CERS PEN	440	\$1,220,630,982.68	130	\$1,090,727,021.79	CERS PEN	312	\$ 6,813,598.16	16	\$ 449,467.00	CERS PEN	70.91%	0.56%	12.31%	0.04%
KHAZ PEN	88	\$ 3,639,575.56	43	\$ 3,659,386.07	KHAZ PEN	48	\$ 456,680.64	2	\$ 552.90	KHAZ PEN	54.55%	12.55%	4.65%	0.02%
KHAZ INS	54	\$ 17,106,544.30	27	\$ 17,140,234.02	KHAZ INS	26	\$ 67,184.91	10	\$ 61,908.56	KHAZ INS	48.15%	0.39%	37.04%	0.36%
KERS INS	128	\$ 93,755,112.03	31	\$ 85,242,264.64	KERS INS	101	\$ 3,188,148.01	3	\$ 69,351.39	KERS INS	78.91%	3.40%	9.68%	0.08%
KERS PEN	366	\$1,150,815,433.81	183	\$1,008,288,472.15	KERS PEN	245	\$ 5,766,956.10	12	\$ 1,285,429.49	KERS PEN	66.94%	0.50%	6.56%	0.13%
SPRS INS	31	\$ 12,180,437.87	17	\$ 12,178,776.73	SPRS INS	5	\$ 1,132.91	1	\$ 38.00	SPRS INS	16.13%	0.01%	5.88%	0.00%
SPRS PEN	83	\$ 279,901,203.53	60	\$ 272,840,475.32	SPRS PEN	15	\$ 126,566.27	0	\$ -	SPRS PEN	18.07%	0.05%	0.00%	0.00%
Total	1564	\$2,952,681,251.61	629	\$2,664,688,736.59	Total	1031	\$ 24,609,934.35	74	\$ 2,245,225.71	Total	65.92%	0.83%	11.76%	0.08%

Figure 12: Total transactions that occurred compared against total count and value of transactions left untested.

Internal Audit staff did not pursue source documents for the remaining untested transactions because these transactions will be reviewed in future audits. It is possible that these transactions are reconciled to the source document by another KPPA division as was the case with many of the transactions reviewed in this audit.

7: Miscellaneous emails

There is no set procedure for the various miscellaneous emails tested in this section. Internal Audit staff found these emails by pulling all emails from KPPA Accounting Cash Management staff sent to KPPA Investment Operations staff notifying them of movement from Chase to BNY Mellon or vice versa.

Emails that did not fall into the tests described above were reviewed in this section and most of these emails are a result of Accounting determining how much is considered excessive funds.

Testing Methodology

Internal Audit staff took the following steps:

1. Categorized emails located on the Accounting drive based on type – DEI, Daily Qualification Wire, Humana, KPPA Administrative, and Recurring/Supplemental. The remaining emails were considered “Other Emails.” These are predominantly Add-Ins and Add-Outs.
 - a. Add-in is defined as additional money sent to BNY Mellon from Chase. These should have a matching withdraw in the account that had too much money.
 - b. Add-out is defined as additional money called back from BNY Mellon to Chase. These should have a matching deposit in the account that did not have enough money.
2. Retrieved the BNY Mellon Settled Cash Statements and compared the date indicated for the transfer to the total for each corresponding email. Transfers to and from the pension accounts showed up in the KR2 account while the transfers to and from the insurance accounts showed up on KR3.
3. Generated the monthly reports for each Chase Account. Verified that the amounts of the deposits and withdrawals matched what was indicated in the corresponding email. In the

cases of Add-Ins the auditor looked for a withdrawal in the corresponding account, while for Add-Outs a deposit was expected.

4. Located the Daily Finance reports from the Accounting shared drive. Verified that an eMARS document was created for the transaction. These typically occurred within a day of the transfer. Every deposit into a Chase account had a "Receipt Document," indicated by a positive value. Likewise, every withdrawal from a Chase account had an "Expense Document," indicated by a negative value.

8: Review accounts for excessive funds

Internal audit staff were not able to test the process used to determine the amount of funds to be transferred from Chase back to BNY Mellon. Currently, this is an undocumented, judgement call process.

Internal Audit staff measured the liquidity of these accounts by calculating the current ratio using with the end of month outstanding check balance as current liabilities and the cash balance at end of month from Chase bank statements as current assets for the pension and insurance accounts.

$$\text{Current ratio} = \frac{\text{End of month outstanding check balance}}{\text{Historical account ending balance}}$$

Research indicated that the ideal ratio for account balances is 1.5. The ideal remaining balance in each account was calculated using the following formula:

$$\text{Ideal account ending balance} = (1.5)(\text{End of month outstanding check balance})$$

The ideal ending balance was then compared to the historical ending balance reported in Chase to determine the amount of funds that could potentially have been sent back to BNY Mellon. This calculation was completed for each month in scope for the Non-Hazardous accounts only because Hazardous accounts at Chase are not set up to write or receive checks. Since Hazardous accounts do not have liabilities like outstanding checks, all remaining balances within scope were considered excessive. These values were taken directly from Chase monthly bank statements (See finding: Excess Funds Remaining in Chase Accounts).



Schedules of Employer Allocations and
Pension Amounts by Employer

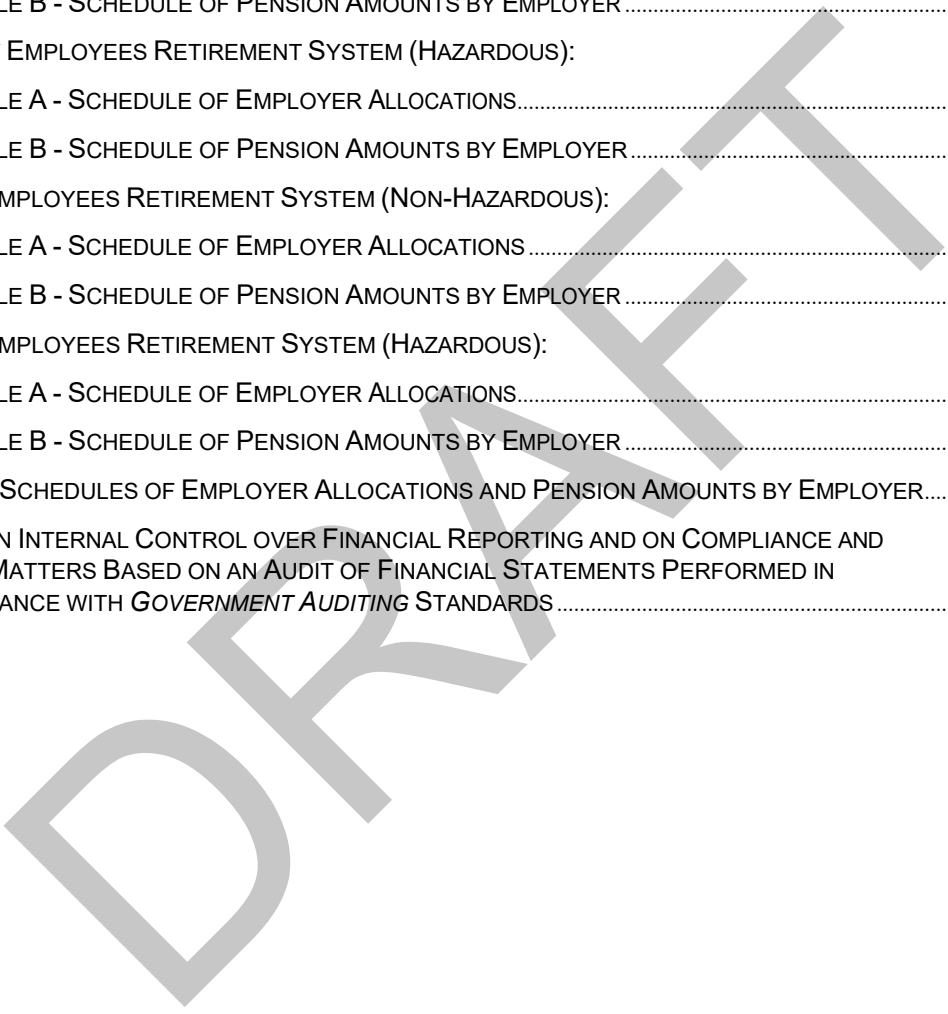
for

KENTUCKY PUBLIC PENSIONS AUTHORITY

For the Fiscal Year Ended June 30, 2022
with Report of Independent Auditors

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Report of Independent Auditors

Audit Committee
Kentucky Public Pensions Authority
Frankfort, Kentucky

Opinions

We have audited the accompanying schedules of employer allocations of Kentucky Employees Retirement System – Nonhazardous Pension Plan (KERS Nonhazardous), Kentucky Employees Retirement System – Hazardous Pension Plan (KERS Hazardous), County Employees Retirement System – Nonhazardous Pension Plan (CERS Nonhazardous) and County Employees Retirement System – Hazardous Pension Plan (CERS Hazardous) as of and for the fiscal year ended June 30, 2022, and the related notes. We have also audited the total for all entities of the columns titled net pension liability, total deferred outflows of resources, total deferred inflows of resources, and total pension expense (specified column totals) included in the accompanying schedules of pension amounts by employer of the KERS Nonhazardous, KERS Hazardous, CERS Nonhazardous, and CERS Hazardous as of and for the fiscal year ended June 30, 2022, and the related notes.

In our opinion, the schedules referred to above present fairly, in all material respects, the employer allocations and net pension liability, total deferred outflows of resources, total deferred inflows of resources, and total pension expense for the total of all participating entities for the KERS Nonhazardous, KERS Hazardous, CERS Nonhazardous, and CERS Hazardous Plans as of and for the fiscal year ended June 30, 2022, in accordance with accounting principles generally accepted in the United States of America.

Basis for Opinions

We conducted our audit in accordance with auditing standards generally accepted in the United States of America (GAAS) and *Government Auditing Standards*. Our responsibilities under those standards are further described in the Auditor's Responsibilities for the Audit of the Schedules section of our report. We are required to be independent of Kentucky Public Pensions Authority (KPPA) and to meet our other ethical responsibilities, in accordance with the relevant ethical requirements relating to our audit. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinions.

Responsibilities of Management for the Schedules

Management is responsible for the preparation and fair representation of these schedules in accordance with accounting principles generally accepted in the United States of America; this includes the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of the schedules that are free from material misstatement, whether due to fraud or error.

Auditor's Responsibility for the Audit Schedules

Our objectives are to obtain reasonable assurance about whether the schedule of employer allocations and specified column totals included in the schedule of pension amounts by employer are free from material misstatement, whether due to fraud or error, and to issue an auditor's report that includes our opinions. Reasonable assurance is a high level of assurance but is not absolute assurance and therefore is not a guarantee that an audit conducted in accordance with GAAS will always detect a material misstatement when it exists. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control. Misstatements are considered material if there is a substantial likelihood that, individually or in the aggregate, they would influence the judgment made by a reasonable user based on the schedule of employer allocations and specified column totals included in the schedule of pension amounts by employer.

**Kentucky Public Pensions Authority
Report of Independent Auditors
(Continued)**

In performing an audit in accordance with GAAS and *Government Auditing Standards*, we:

- Exercise professional judgment and maintain professional skepticism throughout the audit.
- Identify and assess the risks of material misstatement of the schedule of employer allocations and the specified totals included in the schedule of pension amounts by employer, whether due to fraud or error, and design and perform audit procedures responsive to those risks. Such procedures include examining, on a test basis, evidence regarding the amounts and disclosures in the schedule of employer allocations and the specified totals included in the schedule of pension amounts by employer.
- Obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of KPPA's internal control. Accordingly, no such opinion is expressed.
- Evaluate the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluate the overall presentation of the schedule of employer allocations and the specified totals included in the schedule of pension amounts by employer.
- Conclude whether, in our judgment, there are conditions or events, considered in the aggregate, that raise substantial doubt about KPPA's ability to continue as a going concern for a reasonable period of time.

We are required to communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit, significant audit findings, and certain internal control-related matters that we identified during the audit.

Other Matter

We have audited, in accordance with auditing standards generally accepted in the United States of America, the combining financial statements of the KPPA as of and for the fiscal year ended June 30, 2022, and our report thereon, dated December 7, 2022, expressed an unmodified opinion on those combining financial statements.

Other Reporting Required by Government Auditing Standards

In accordance with *Government Auditing Standards*, we have also issued our report dated **March 14, 2023**, on our consideration of the KPPA's internal control over the preparation of these Schedules and on our tests of its compliance with certain provisions of laws, regulations, contracts, and grant agreements and other matters. The purpose of this report is to describe the scope of our testing of internal control over financial reporting and compliance and the result of that testing, and not to provide an opinion of the internal control over financial reporting or on compliance. That report is an integral part of an audit performed in accordance with *Government Auditing Standards* in considering KPPA's internal control over financial reporting and compliance.

Restriction on Use

Our report is intended solely for the information and use of KPPA management, Audit Committee, Board of Trustees, KERS Nonhazardous, KERS Hazardous, CERS Nonhazardous, and CERS Hazardous Plans employers and their auditors and is not intended to be and should not be used by anyone other than these specified parties.

Blue & Co., LLC

Lexington, Kentucky
March 14, 2023

DRAFT

Kentucky Public Pensions Authority
Schedule A - Schedule of Employer Allocations
Fiscal Year Ended June 30, 2022

Kentucky Employees Retirement System (Non-Hazardous)

Employers are presented in order by assigned employer reporting code. There are separate schedules for Non-Hazardous and Hazardous and as such reporting employers may appear on multiple schedules.

Participating Employer Code	Participating Employer Name	FYE 2022 Salary	Allocation of Amortization Cost Portion of Required Contribution	Allocation of Normal Cost Portion of Required Contribution	2022 Proportionate Share
(1)	(2)	(3)	(4)	(5)	(6)
10005	LEGS GENERAL ASSEMBLY	1,419,304	0.000000%	0.104527%	0.010902%
10010	LEGS LEGISLATIVE RES COMM	20,870,737	1.825050%	1.537066%	1.795013%
SUBTOTAL	LEGISLATIVE BRANCH AGENCIES	22,290,041	1.825050%	1.641593%	1.805915%
7416	KY OFFICE OF BAR ADMISSIO	46,984	0.000000%	0.003460%	0.000361%
7716	MASTER COMMISSIONER BULLITT COUNTY	103,729	0.000000%	0.007639%	0.000797%
7718	MASTER COMM BOONE CO	176,188	0.000000%	0.012976%	0.001353%
7720	MASTER COMM CAMPBELL CO	68,000	0.000000%	0.005008%	0.000522%
7724	MASTER COMM CHRISTIAN CO	39,186	0.000000%	0.002886%	0.000301%
7725	MASTER COMM CLARK CO	21,834	0.000000%	0.001608%	0.000168%
7727	MASTER COMM CLINTON/CUMBE	50,013	0.000000%	0.003683%	0.000384%
7730	MASTER COMM DAVIESS CO	97,743	0.000000%	0.007199%	0.000751%
7734	MASTER COMM FAYETTE CO	188,083	0.000000%	0.013852%	0.001445%
7741	MASTER COMM GRANT CO	64,392	0.000000%	0.004742%	0.000495%
7743	MASTER COMM GRAYSON CO	44,167	0.000000%	0.003253%	0.000339%
7747	MASTER COMM HARDIN CO	162,557	0.000000%	0.011972%	0.001249%
7750	MASTER COMMISSIONER HART COUNTY	39,124	0.000000%	0.002881%	0.000300%
7752	HENRY/ TRIMBLE MASTER COM	48,900	0.000000%	0.003601%	0.000376%
7756	MASTER COMM JEFF CIRCUIT	398,609	0.000000%	0.029356%	0.003062%
7757	MASTER COMMISSIONER OF JESSAMINE COUNTY	38,713	0.000000%	0.002851%	0.000297%
7759	MASTER COMM KENTON CO	181,637	0.000000%	0.013377%	0.001395%
7763	MASTER COMM LAUREL CO	60,500	0.000000%	0.004456%	0.000465%
7773	MASTER COMM MCCracken CO	110,374	0.000000%	0.008129%	0.000848%
7776	MASTER COMM MADISON CO	98,043	0.000000%	0.007221%	0.000753%
7782	MASTER COMM MEADE CO	37,603	0.000000%	0.002769%	0.000289%
7790	MASTER COMM NELSON CO	69,565	0.000000%	0.005123%	0.000534%
7793	MASTER COMM OLDHAM CO	72,244	0.000000%	0.005321%	0.000555%
7794	MASTER COMM OWEN CO	23,795	0.000000%	0.001752%	0.000183%
7798	MASTER COMM PIKE CO	96,736	0.000000%	0.007124%	0.000743%
7805	MASTER COMM SCOTT CO	88,843	0.000000%	0.006543%	0.000682%
7807	MASTER COMM SIMPSON CO	46,518	0.000000%	0.003426%	0.000357%
7814	MASTER COMM WARREN CO	133,651	0.000000%	0.009843%	0.001027%
7820	MASTER COMM BARREN CO	29,910	0.000000%	0.002203%	0.000230%
7821	MASTER COMM MUHLENBERG CO	76,558	0.000000%	0.005638%	0.000588%
20020	JUDL JUDICIAL RET SYSTEM	170,896	0.000000%	0.012586%	0.001313%
20025	JUDL ADM OFF OF THE COURT	59,767,527	2.508010%	4.401697%	2.705522%
SUBTOTAL	JUDICIAL BRANCH AGENCIES	62,652,623	2.508010%	4.614175%	2.727684%
31030	UNIFIED PROSECUTORIAL SYS	51,724,900	3.992135%	3.809382%	3.973074%

The accompanying notes are an integral part of these schedules.

Kentucky Public Pensions Authority
Schedule A - Schedule of Employer Allocations
Fiscal Year Ended June 30, 2022 (Continued)

Kentucky Employees Retirement System (Non-Hazardous)

Employers are presented in order by assigned employer reporting code. There are separate schedules for Non-Hazardous and Hazardous and as such reporting employers may appear on multiple schedules.

Participating Employer Code	Participating Employer Name	FYE 2022 Salary	Allocation of Amortization Cost Portion of Required Contribution	Allocation of Normal Cost Portion of Required Contribution	2022 Proportionate Share
(1)	(2)	(3)	(4)	(5)	(6)
31035	DEPT OF AGRICULTURE	9,799,039	0.756291%	0.721669%	0.752680%
31040	ATTORNEY GENERALS OFFICE	8,594,710	0.663341%	0.632974%	0.660174%
31045	AUDITOR OF PUBLIC ACCOUNT	6,777,834	0.523114%	0.499167%	0.520616%
31066	REGISTRY OF ELECTION	636,024	0.049088%	0.046841%	0.048854%
31070	GOVERNORS OFFICE	1,609,249	0.124202%	0.118516%	0.123609%
31074	DEPT OF VETERANS AFFAIRS	22,199,703	1.713376%	1.634941%	1.705195%
31076	MILITARY AFFAIRS COMM	64,119	0.004949%	0.004722%	0.004925%
31082	KY INFRASTRUCTURE	703,979	0.054333%	0.051846%	0.054074%
31085	LT GOVERNORS OFFICE	420,234	0.032434%	0.030949%	0.032279%
31094	OFF OF HOMELAND SECURITY	833,601	0.064337%	0.061392%	0.064030%
31095	DEPT MILITARY AFFAIRS	15,907,288	1.227727%	1.171523%	1.221865%
31110	OFF OF SECRETARY TO CABIN	196,007	0.015128%	0.014435%	0.015056%
31112	GOV OFF LOCAL DEVELOPMENT	2,140,628	0.165214%	0.157651%	0.164425%
31120	SECRETARY OF STATE	1,556,325	0.120117%	0.114619%	0.119544%
31125	STATE TREASURERS OFFICE	1,429,785	0.110351%	0.105299%	0.109824%
31136	BOARD OF MEDICAL IMAGING & RADIATION TECHNOLOGY	125,498	0.009686%	0.009243%	0.009640%
31137	KY COMM NETWORK AUTH	815,287	0.062924%	0.060043%	0.062624%
31150	BOARD OF ACCOUNTANCY	198,727	0.015338%	0.014636%	0.015265%
31165	BOARD OF BARBERING	110,737	0.008547%	0.008155%	0.008506%
31180	BOARD OF DENTISTRY	262,481	0.020258%	0.019331%	0.020161%
31185	BOARD OF ELECTIONS	448,919	0.034648%	0.033062%	0.034483%
31190	BRD OF EMBALMERS/FUN DIR	64,359	0.004967%	0.004740%	0.004943%
31200	BOARD OF EXM ARCHITECTS	145,602	0.011238%	0.010723%	0.011184%
31205	KY LANDSCAPE ARCH REG BD	24,876	0.001920%	0.001832%	0.001911%
31215	BD EXAMINERS OF SOCIAL WK	66,015	0.005095%	0.004862%	0.005071%
31225	BD OF HAIRDRESSERS/CSMTG	663,011	0.051171%	0.048829%	0.050927%
31245	BD OF MEDICAL LICENSURE	695,823	0.053704%	0.051245%	0.053448%
31250	BOARD OF NURSING	2,870,705	0.221561%	0.211419%	0.220503%
31260	BOARD OF OPTOMETRIC EXM	80,750	0.006232%	0.005947%	0.006202%
31263	KY RESPIRATORY CARE BD	95,581	0.007377%	0.007039%	0.007342%
31268	PERSONNEL BOARD	336,309	0.025956%	0.024768%	0.025832%
31270	KY BOARD OF PHARMACY	1,061,724	0.081944%	0.078193%	0.081553%
31275	BD OF PHYSICAL THERAPY	156,562	0.012083%	0.011530%	0.012025%
31290	BD OF PROF ENGINEERS & LA	459,894	0.035495%	0.033870%	0.035326%
31345	SCHOOL FAC CONSTR COMM	137,599	0.010620%	0.010134%	0.010569%
31354	EXECUTIVE BRANCH ETH COMM	320,751	0.024756%	0.023622%	0.024638%
31370	COMMISSION ON HUMAN RIGHT	876,866	0.067677%	0.064579%	0.067354%
31415	KY COUNCIL POSTSEC EDUCAT	2,044,582	0.157801%	0.150577%	0.157048%
31765	OFFICE OF STATE BUD DIREC	1,250,366	0.096503%	0.092086%	0.096042%
35605	TRAN OFF OF THE SECRETARY	3,432,035	0.264885%	0.252759%	0.263620%
35607	TRAN OFFICE OF LEGAL SVC	1,906,413	0.147137%	0.140402%	0.146435%
35609	DIVISION OF FACILITY MANA	1,184,920	0.091452%	0.087266%	0.091015%
35615	TRAN DEPT OF AVIATION	1,022,892	0.078947%	0.075333%	0.078570%

The accompanying notes are an integral part of the schedules.

Kentucky Public Pensions Authority
Schedule A - Schedule of Employer Allocations
Fiscal Year Ended June 30, 2022 (Continued)

Kentucky Employees Retirement System (Non-Hazardous)

Employers are presented in order by assigned employer reporting code. There are separate schedules for Non-Hazardous and Hazardous and as such reporting employers may appear on multiple schedules.

Participating Employer Code	Participating Employer Name	FYE 2022 Salary	Allocation of Amortization Cost Portion of Required Contribution	Allocation of Normal Cost Portion of Required Contribution	2022 Proportionate Share
(1)	(2)	(3)	(4)	(5)	(6)
35616	TRAN OFFICE OF PERSONNEL	1,386,918	0.107043%	0.102142%	0.106532%
35617	OFFICE OF INFORMAT TECHNO	1,676,938	0.129426%	0.123501%	0.128808%
35618	OFFICE OF AUDITS	2,169,011	0.167405%	0.159741%	0.166606%
35619	DOT PAYROLL DIVISION	691,989	0.053408%	0.050963%	0.053153%
35625	TRAN DEPT OF HIGHWAYS	167,247,631	12.908195%	12.317277%	12.846562%
35628	TRAN DEPT OF INTERGOV PRO	692,504	0.053448%	0.051001%	0.053193%
35630	TRAN DEPT OF VEH REGULATE	7,014,071	0.541347%	0.516565%	0.538762%
36635	CAB FOR ECONOMIC DEVELOPMENT	3,878,880	0.299372%	0.285668%	0.297943%
39075	KHEAA DIV OF FINANCIAL AF	551,530	0.042567%	0.040619%	0.042364%
39079	COMMONWEALTH OF TECHNOL	13,383,447	1.032936%	0.985650%	1.028004%
39084	KY RIVER AUTHORITY	375,906	0.029012%	0.027684%	0.028873%
39103	OFFICE OF PVA'S	28,261,817	2.181251%	2.081397%	2.170836%
39130	DEPT OF REVENUE	31,035,892	2.395354%	2.285699%	2.383917%
39750	OFFICE OF SECRETARY	4,792,741	0.369904%	0.352971%	0.368138%
39757	FIN OFFICE OF INSP GENERAL	5,000	0.000386%	0.000368%	0.000384%
39758	OFF OF THE CONTROLLER	3,456,125	0.266744%	0.254533%	0.265470%
39785	DEPT FACILITIES SUPP SVCS	8,984,995	0.693463%	0.661718%	0.690152%
50235	KY STATE FAIR BOARD	7,451,052	0.575073%	0.548747%	0.572327%
50410	COMM KY HERITAGE COUNCIL	755,583	0.058316%	0.055646%	0.058038%
50529	KY ARTS COUNCIL	526,979	0.040672%	0.038810%	0.040478%
50550	KY HISTORICAL SOCIETY	1,486,202	0.114705%	0.109454%	0.114157%
50660	DEPT OF FISH & WILDLIFE	13,854,401	1.069285%	1.020335%	1.064180%
50665	COMM KY HORSE PARK	2,102,268	0.162253%	0.154826%	0.161478%
50670	DEPT OF PARKS	19,646,023	1.516283%	1.446870%	1.509043%
50850	COMM OFFICE OF SECRETARY	1,248,183	0.096335%	0.091925%	0.095875%
50852	KY ARTISANS CTR AT BEREA	482,451	0.037236%	0.035531%	0.037058%
50860	DEPT OF TOURISM	1,143,170	0.088230%	0.084191%	0.087809%
51340	KY COMM DEAF/HARD OF HEAR	526,743	0.040654%	0.038793%	0.040460%
51407	KY ENVIRONMENTAL EDUC COU	93,670	0.007229%	0.006899%	0.007195%
51530	EDUC OFFICE OF SECRETARY	3,972,625	0.306608%	0.292572%	0.305144%
51531	DEPT WORKFORCE INVESTMENT	7,564,571	0.583835%	0.557108%	0.581047%
51532	KY COMM ON PROPRIETARY ED	105,000	0.008104%	0.007733%	0.008065%
51540	EDUC DEPT OF EDUCATION	12,060,868	0.930859%	0.888246%	0.926414%
51545	KY EDUCATIONAL TV AUTHOR	6,250,672	0.482428%	0.460343%	0.480125%
51555	KY DEPT LIBRARY & ARCHIVE	2,197,759	0.169623%	0.161858%	0.168813%
53721	H&FS OFF OF THE SECRETARY	20,512,749	1.583177%	1.510702%	1.575618%
53723	OFFICE INSPECTOR GENERAL	8,193,950	0.632410%	0.603459%	0.629390%
53725	DEPT OF AGING/INDEP LIVIN	7,349,601	0.567243%	0.541276%	0.564535%
53727	DEPT FOR INCOME SUPPORT	17,329,065	1.337460%	1.276233%	1.331074%
53728	DEPT FOR PUBLIC HEALTH	17,949,781	1.385366%	1.321947%	1.378751%
53729	OFF HUMAN RESOURCE MANAGE	14,734,189	1.137187%	1.085128%	1.131757%
53730	SERVE KY	762,372	0.058840%	0.056146%	0.058559%
53736	H&FS DEPT FOR COMM BASE S	164,179,729	12.671414%	12.091338%	12.610912%
53739	HEALTH DATA AND ANALYTICS	913,978	0.070541%	0.067312%	0.070204%

The accompanying notes are an integral part of the schedules.

Kentucky Public Pensions Authority
Schedule A - Schedule of Employer Allocations
Fiscal Year Ended June 30, 2022 (Continued)

Kentucky Employees Retirement System (Non-Hazardous)

Employers are presented in order by assigned employer reporting code. There are separate schedules for Non-Hazardous and Hazardous and as such reporting employers may appear on multiple schedules.

Participating Employer Code	Participating Employer Name	FYE 2022 Salary	Allocation of Amortization Cost Portion of Required Contribution	Allocation of Normal Cost Portion of Required Contribution	2022 Proportionate Share
(1)	(2)	(3)	(4)	(5)	(6)
53746	DEPT FOR MEDICAID SERVICE	6,029,501	0.465358%	0.444054%	0.463136%
53767	OFFICE FOR CHILDREN WITH SPECIAL HEALTH CARE NEEDS	4,878,188	0.376499%	0.359264%	0.374701%
54500	J&PS OFF OF SECRETARY	7,226,935	0.557776%	0.532242%	0.555113%
54515	DEPT OF PUBLIC ADVOCACY	26,036,287	2.009484%	1.917493%	1.999889%
54520	J&PS DEPT OF KY STATE POL	32,819,224	2.532992%	2.417036%	2.520898%
54523	J&PS OF JUVENILE JUSTICE	25,494,991	1.967707%	1.877629%	1.958312%
54525	DEPT OF CRIMINAL JUST TRN	7,391,159	0.570451%	0.544336%	0.567727%
54527	J&PS DEPT OF CORRECTIONS	15,618,708	1.205454%	1.150270%	1.199698%
55790	OFFICE OF THE SECRETARY	4,692,759	0.362188%	0.345607%	0.360459%
55793	DEPT PERSONNEL ADMIN	1,860,227	0.143573%	0.137000%	0.142887%
55794	DEPT FOR EMPLOYEE INS	2,370,906	0.182987%	0.174610%	0.182113%
56102	OFFICE OF THE SECRETARY	5,187,734	0.400390%	0.382061%	0.398478%
56106	DEPT OF WRKPLACE STANDARD	4,627,570	0.357156%	0.340806%	0.355451%
56107	DEPT OF WORKERS CLAIMS	5,878,874	0.453732%	0.432961%	0.451566%
56113	KY OSH REVIEW COMMISSION	199,485	0.015396%	0.014691%	0.015322%
56114	WORKERS COMP FUNDING COMM	840,978	0.064907%	0.061935%	0.064597%
56142	OFFICE OF UNEMPLOYMENT INSURANCE	15,706,199	1.212207%	1.156714%	1.206419%
57123	KY PUBLIC SVC COMMISSION	3,759,890	0.290189%	0.276904%	0.288803%
57126	OFFICE OF THE SECRETARY	2,574,202	0.198677%	0.189582%	0.197728%
57128	DEPT FOR NATURAL RESOURCE	21,201,744	1.636353%	1.561444%	1.628540%
57129	DEPT FOR ENVIRONM PROTECT	29,495,974	2.276503%	2.172289%	2.265633%
57139	OFFICE OF ADMINISTRATIVE SERVICES	3,741,692	0.288784%	0.275564%	0.287405%
57140	KY NATURE PRESERVES	929,935	0.071773%	0.068487%	0.071430%
57141	OFFICE OF ENERGY POLICY	370,484	0.028594%	0.027285%	0.028457%
58374	KY HORSE RACING AUTHORITY	2,446,577	0.188827%	0.180183%	0.187925%
58672	OFFICE OF CLAIMS AND APPEALS	411,967	0.031796%	0.030340%	0.031644%
58675	OFFICE OF THE SECRETARY	3,206,227	0.247457%	0.236129%	0.246275%
58676	DEPT OF INSURANCE	3,193,124	0.246446%	0.235164%	0.245269%
58677	OFF OF OCCUP & PROFESSION	1,270,397	0.098049%	0.093561%	0.097581%
58678	KY BOXING & WRESTLING AUT	52,500	0.004052%	0.003866%	0.004033%
58680	DEPT OF ALCOHOL & BEVERA	618,339	0.047723%	0.045539%	0.047495%
58681	DEPT OF CHARITABLE GAMING	1,113,831	0.085966%	0.082030%	0.085555%
58685	DEPT OF FINANCIAL INSTITU	5,320,308	0.410622%	0.391825%	0.408661%
58690	DEPT OF HOUSING & BUILD C	8,736,394	0.674276%	0.643409%	0.671057%
SUBTOTAL	EXECUTIVE BRANCH AGENCIES	1,009,755,047	77.933030%	74.365386%	77.560921%
1430	EASTERN KY UNIV	4,615,608	1.270600%	0.339926%	1.173531%
1433	KET FOUNDATION	1,679,476	0.080090%	0.123688%	0.084637%
1435	CHILD WATCH ADVOCACY CTR	231,172	0.003820%	0.017025%	0.005197%
1436	LOTUS	1,142,920	0.005710%	0.084173%	0.013894%
1437	SANCTUARY INC	625,341	0.013340%	0.046054%	0.016752%

The accompanying notes are an integral part of the schedules.

Kentucky Public Pensions Authority
Schedule A - Schedule of Employer Allocations
Fiscal Year Ended June 30, 2022 (Continued)

Kentucky Employees Retirement System (Non-Hazardous)

Employers are presented in order by assigned employer reporting code. There are separate schedules for Non-Hazardous and Hazardous and as such reporting employers may appear on multiple schedules.

Participating Employer Code	Participating Employer Name	FYE 2022 Salary	Allocation of Amortization Cost Portion of Required Contribution	Allocation of Normal Cost Portion of Required Contribution	2022 Proportionate Share
(1)	(2)	(3)	(4)	(5)	(6)
1438	O A S I S	926,642	0.012250%	0.068244%	0.018090%
1439	BARREN RIVER CHILD ADVOCA	506,489	0.002160%	0.037301%	0.005825%
1440	MOREHEAD STATE UNIVERSITY	3,776,279	0.643190%	0.278111%	0.605112%
1445	MURRAY STATE UNIV	6,569,835	0.705340%	0.483848%	0.682238%
1451	SILVERLEALF	337,988	0.010730%	0.024892%	0.012207%
1452	SPRINGHAVEN INC	622,443	0.008120%	0.045841%	0.012054%
1453	SAFE HARBOR	882,111	0.006980%	0.064965%	0.013028%
1454	D.O.V.E.S.	619,814	0.007010%	0.045647%	0.011040%
1456	JUDI'S PLACE FOR KIDS, INC.	348,307	0.004130%	0.025652%	0.006375%
1457	KY RIVER CHILD ADVOCACY	164,137	0.001550%	0.012088%	0.002649%
1458	BLUEGRASS RAPE CRISIS CTR	733,102	0.014590%	0.053991%	0.018700%
1459	NURSING HOME OMBUDSMAN	268,683	0.004680%	0.019788%	0.006256%
1465	WESTERN KENTUCKY UNIV	14,020,022	0.961060%	1.032532%	0.968515%
1480	KASAP	661,008	0.005020%	0.048681%	0.009574%
1481	KDVA	1,100,793	0.012920%	0.081070%	0.020028%
1483	PENNYRILE CHILD ADV CTR	200,192	0.002450%	0.014744%	0.003732%
1484	BUFFALO TR CHILD ADV INC	194,775	0.001340%	0.014345%	0.002696%
1485	CUMBERLAND V C A CENTER	248,217	0.004370%	0.018280%	0.005821%
1486	LAKE CUMB CHILD ADV CTR	248,014	0.002900%	0.018266%	0.004503%
1487	B.R.A.S.S.	693,261	0.011330%	0.051057%	0.015474%
1488	WOMEN AWARE	253,463	0.005190%	0.018667%	0.006596%
1489	BETHANY HOUSE ABUSE SHEL	518,097	0.008900%	0.038156%	0.011951%
1490	HOPE HARBOR INC	602,466	0.004380%	0.044370%	0.008551%
1491	CHILD ADV CTR OF GRN RVR	190,049	0.003040%	0.013997%	0.004183%
1492	CSG HEADQUARTERS	3,759,330	0.102460%	0.276863%	0.120650%
1994	KY HIGHER ED STUD LN CORP	10,535,584	0.435330%	0.775914%	0.470853%
3022	LEX FAYETTE CO HLTH DEPT	6,885,842	0.466060%	0.507121%	0.470343%
3023	LAKE CUMBERLAND DISTRICT	5,709,264	0.391340%	0.420470%	0.394378%
3024	WEDCO DIST HEALTH DEPT	2,532,711	0.149760%	0.186526%	0.153595%
3025	NORTHERN KY DIST HLTH DEP	6,740,087	0.288080%	0.496387%	0.309806%
3026	BARREN RVR DIST HLTH DEPT	3,811,324	0.363480%	0.280692%	0.354845%
3027	GREEN RVR DIST HLTH DEPT	6,143,505	0.434500%	0.452450%	0.436372%
3028	LINCOLN TRL DIST HLTH DEP	3,780,802	0.353490%	0.278445%	0.345663%
3029	PURCHASE DIST HLTH DEPT	2,139,655	0.233680%	0.157579%	0.225743%
3030	MERCER CO HEALTH DEPT	498,297	0.047190%	0.036698%	0.046096%
3031	CUMBERLAND VLY DIST HEALT	2,929,696	0.478140%	0.215763%	0.450774%
3033	KY RIVER DIST HEALTH DEPT	3,132,825	0.373270%	0.230723%	0.358402%
3034	BOURBON CO HEALTH CENTER	658,370	0.041330%	0.048487%	0.042076%
3035	CLARK CO HEALTH DEPT	1,234,101	0.087510%	0.090888%	0.087862%
3036	GATEWAY DIST HEALTH DEPT	2,294,959	0.156670%	0.169017%	0.157958%
3037	BOYLE CO HEALTH DEPT	544,173	0.033740%	0.040077%	0.034401%
3038	PIKE CO HEALTH DEPT	1,780,209	0.128550%	0.131107%	0.128817%
3039	FLOYD CO HEALTH CENTER	1,049,756	0.065370%	0.077311%	0.066615%
3040	MARTIN CO HEALTH DEPT	368,847	0.028100%	0.027164%	0.028002%

The accompanying notes are an integral part of the schedules.

Kentucky Public Pensions Authority
Schedule A - Schedule of Employer Allocations
Fiscal Year Ended June 30, 2022 (Continued)

Kentucky Employees Retirement System (Non-Hazardous)

Employers are presented in order by assigned employer reporting code. There are separate schedules for Non-Hazardous and Hazardous and as such reporting employers may appear on multiple schedules.

Participating Employer Code	Participating Employer Name	FYE 2022 Salary	Allocation of Amortization Cost Portion of Required Contribution	Allocation of Normal Cost Portion of Required Contribution	2022 Proportionate Share
(1)	(2)	(3)	(4)	(5)	(6)
3042	BUFFALO TRACE HEALTH DEPT	707,194	0.057350%	0.052083%	0.056801%
3044	N CENTRAL DIST HLTH DEPT	1,472,729	0.114620%	0.108462%	0.113978%
3045	PENNYRILE DIST HLTH DEPT	1,542,524	0.083250%	0.113602%	0.086416%
3047	BREATHITT CO HEALTH DEPT	1,256,419	0.096340%	0.092531%	0.095943%
3048	GREENUP CO HLTH DEPT	947,749	0.061180%	0.069799%	0.062079%
3049	WHITLEY CO HEALTH DEPT	1,804,424	0.153570%	0.132890%	0.151413%
3050	LAUREL CO HEALTH DEPT	1,052,774	0.076950%	0.077534%	0.077011%
3051	KNOX CO HEALTH DEPT	1,869,089	0.149260%	0.137653%	0.148049%
3052	MONROE CO HEALTH DEPT	390,090	0.016680%	0.028729%	0.017937%
3053	BULLITT CO HEALTH DEPT	1,289,280	0.073480%	0.094952%	0.075720%
3054	THREE RIVERS DIST HLTH	1,870,981	0.121470%	0.137792%	0.123172%
3055	ESTILL CO HEALTH DEPT	299,374	0.029660%	0.022048%	0.028866%
3056	OLDHAM CO HEALTH DEPT	1,005,836	0.055710%	0.074077%	0.057626%
3057	LEWIS CO HEALTH DEPT	593,459	0.016270%	0.043706%	0.019132%
3058	FLEMING CO HEALTH DEP	374,065	0.023320%	0.027549%	0.023761%
3059	JESSAMINE CO HEALTH DEPT	1,369,896	0.044700%	0.100889%	0.050561%
3060	POWELL CO HEALTH DEPT	463,869	0.022330%	0.034163%	0.023564%
3061	ANDERSON CO HEALTH DEPT	549,398	0.026980%	0.040461%	0.028386%
3062	MADISON CO HEALTH DEP	2,907,677	0.284160%	0.214142%	0.276857%
3064	JOHNSON CO HEALTH DEPT	1,282,356	0.082310%	0.094442%	0.083575%
3065	MAGOFFIN CO HEALTH DEPT	500,046	0.034380%	0.036827%	0.034635%
3066	ALLEN CO HEALTH DEPT	754,093	0.042050%	0.055537%	0.043457%
3067	FRANKLIN CO HEALTH DEPT	2,364,737	0.118540%	0.174156%	0.124341%
3068	LINCOLN CO HEALTH DEPT	501,521	0.026030%	0.036936%	0.027167%
3069	WOODFORD CO HEALTH DEPT	783,608	0.028990%	0.057710%	0.031985%
3072	MUHLENBERG CO.HEALTH DEPT	874,685	0.041920%	0.064418%	0.044267%
3073	MARSHALL CO HEALTH DEPT	1,064,185	0.081130%	0.078374%	0.080843%
3074	CHRISTIAN CO HEALTH DEPT	1,237,428	0.071020%	0.091133%	0.073118%
3075	HOPKINS CO HEALTH DEPT	1,470,255	0.094700%	0.108280%	0.096116%
3076	TODD CO HEALTH DEPT	915,982	0.024920%	0.067459%	0.029357%
3077	BRACKEN CO HEALTH DEPT	351,886	0.012810%	0.025915%	0.014177%
3078	MONTGOMERY CO HEALTH DEPT	1,398,550	0.056880%	0.102999%	0.061690%
3079	GARRARD COUNTY HEALTH DPT	343,997	0.020870%	0.025334%	0.021336%
3080	BRECKINRIDGE CO HEALTH BD	348,185	0.040950%	0.025643%	0.039353%
3081	ASHLAND BOYD CO HEALTH DP	1,061,477	0.093380%	0.078175%	0.091794%
3082	LAWRENCE CO HEALTH DEPT	652,666	0.020560%	0.048067%	0.023429%
3083	GRAVES CO HEALTH CENTER	1,206,642	0.032480%	0.088866%	0.038361%
3084	CALLOWAY CO HEALTH DEPT	649,871	0.021990%	0.047861%	0.024688%
3085	BELL CO HEALTH DEPT	904,126	0.057050%	0.066586%	0.058045%
3086	GRAYSON COUNTY HEALTH DEPT	482,380	0.024440%	0.035526%	0.025596%
3087	HARLAN CO HEALTH DEPT	664,566	0.038370%	0.048943%	0.039473%
3088	CARTER CO HEALTH DEPT	543,538	0.029530%	0.040030%	0.030625%
3801	KENTUCKY STATE UNIVERSITY	3,668,609	0.235970%	0.270182%	0.239538%
5470	KCTCS	17,764,410	0.830280%	1.308295%	0.880137%

The accompanying notes are an integral part of the schedules.

Kentucky Public Pensions Authority
Schedule A - Schedule of Employer Allocations
Fiscal Year Ended June 30, 2022 (Continued)

Kentucky Employees Retirement System (Non-Hazardous)

Employers are presented in order by assigned employer reporting code. There are separate schedules for Non-Hazardous and Hazardous and as such reporting employers may appear on multiple schedules.

Participating Employer Code	Participating Employer Name	FYE 2022 Salary	Allocation of Amortization Cost Portion of Required Contribution	Allocation of Normal Cost Portion of Required Contribution	2022 Proportionate Share
(1)	(2)	(3)	(4)	(5)	(6)
7403	ASST OF COMMONWEALTH ATTY	1,160,664	0.030870%	0.085479%	0.036566%
7408	FRANKLIN CO COUNCIL AGING	270,009	0.011410%	0.019885%	0.012294%
7409	MUN ELEC POW ASSOC OF KY	132,668	0.009280%	0.009771%	0.009331%
7415	HIGHSCHOOL ATHLETIC ASSOC	-	0.007520%	0.000000%	0.006736%
7417	KY ASSOC OF REGIONAL PROG	118,750	0.009660%	0.008746%	0.009565%
8024	SEVEN CO SERVICES INC	-	0.819740%	0.000000%	0.734241%
8201	KY RIVER COMM CARE INC	-	0.141860%	0.000000%	0.127064%
8202	NORTHERN KY REG MHMR BD	154,801	0.304430%	0.011401%	0.273867%
8204	COMMUNICARE INC	5,649,996	0.353870%	0.416105%	0.360361%
8205	ADANTA/BEHAVIORAL HLTH SR	3,580,395	0.473160%	0.263685%	0.451312%
8208	CUMBERLAND RIVER MHMR	9,503,940	0.522270%	0.699936%	0.540801%
8209	WESTERN KY REG MHMR ADV	3,014,111	0.188850%	0.221980%	0.192305%
8210	NEW VISTA OF THE BLUEGRASS, INC.	35,008,382	0.976910%	2.578261%	1.143931%
8213	GREEN RVR REG MHMR BD	2,114,316	0.158670%	0.155713%	0.158362%
8216	COMPREHEND INC REG MHMR B	4,200,074	0.154500%	0.309323%	0.170648%
8220	LIFESKILLS INC	13,871,059	0.686860%	1.021561%	0.721769%
8221	MOUNTAIN COMP CARE CENTER	5,184,585	0.243500%	0.381829%	0.257928%
014A	BRECKINRIDGE CO ATTORNEY	66,665	0.005470%	0.004910%	0.005412%
024A	CHRISTIAN COUNTY ATTORNEY	26,015	0.005230%	0.001916%	0.004884%
031A	EDMONSON COUNTY ATTORNEY	57,900	0.002520%	0.004264%	0.002702%
060A	KNOTT COUNTY ATTORNEY	88,587	0.004790%	0.006524%	0.004971%
071A	LOGAN COUNTY ATTORNEY	70,492	0.009470%	0.005192%	0.009024%
086A	MONROE CO ATTORNEY	-	0.003280%	0.000000%	0.002938%
116A	WAYNE COUNTY ATTORNEY	-	0.003550%	0.000000%	0.003180%
W002	ALLEN COUNTY ATTORNEY	105,460	0.008820%	0.007767%	0.008710%
W003	ANDERSON COUNTY ATTORNEY	-	0.010480%	0.000000%	0.009387%
W005	BARREN COUNTY ATTORNEY	159,108	0.015280%	0.011718%	0.014908%
W006	BATH COUNTY ATTORNEY	-	0.000010%	0.000000%	0.000009%
W007	BELL COUNTY ATTORNEY	169,709	0.010270%	0.012499%	0.010502%
W008	BOONE COUNTY ATTORNEY	680,574	0.027070%	0.050122%	0.029474%
W011	BOYLE COUNTY ATTORNEY	17,179	0.000830%	0.001265%	0.000875%
W015	BULLITT COUNTY ATTORNEY	196,513	0.003740%	0.014473%	0.004859%
W018	CALLOWAY COUNTY ATTORNEY	-	0.000290%	0.000000%	0.000260%
W021	CARROLL COUNTY ATTORNEY	81,086	0.004640%	0.005972%	0.004779%
W022	CHILD SUPPORT ENFORCEMENT	77,770	0.001360%	0.005728%	0.001816%
W023	CASEY COUNTY ATTORNEY	62,543	0.005040%	0.004606%	0.004995%
W025	CLARK COUNTY ATTORNEY	184,234	0.007030%	0.013568%	0.007712%
W028	CRITTENDEN CO ATTORNEY	62,974	0.001940%	0.004638%	0.002221%
W030	DAVIESS COUNTY ATTORNEY	44,999	0.008390%	0.003314%	0.007861%
W036	FLOYD COUNTY ATTORNEY	157,630	0.005960%	0.011609%	0.006549%
W037	FRANKLIN COUNTY ATTORNEY	240,680	0.025700%	0.017725%	0.024868%
W040	GARRARD COUNTY ATTORNEY	73,768	0.005260%	0.005433%	0.005278%
W041	GRANT COUNTY CHILD SUPPOR	40,004	0.001930%	0.002946%	0.002036%
W042	GRAVES COUNTY ATTORNEY	166,764	0.017400%	0.012282%	0.016866%

The accompanying notes are an integral part of the schedules.

Kentucky Public Pensions Authority
Schedule A - Schedule of Employer Allocations
Fiscal Year Ended June 30, 2022 (Continued)

Kentucky Employees Retirement System (Non-Hazardous)

Employers are presented in order by assigned employer reporting code. There are separate schedules for Non-Hazardous and Hazardous and as such reporting employers may appear on multiple schedules.

Participating Employer Code	Participating Employer Name	FYE 2022 Salary	Allocation of Amortization Cost Portion of Required Contribution	Allocation of Normal Cost Portion of Required Contribution	2022 Proportionate Share
(1)	(2)	(3)	(4)	(5)	(6)
W046	HANCOCK COUNTY ATTORNEY	25,066	0.002050%	0.001846%	0.002029%
W049	HARRISON COUNTY ATTORNEY	65,435	0.000610%	0.004819%	0.001049%
W053	HICKMAN COUNTY ATTORNEY	54,413	0.005470%	0.004007%	0.005317%
W054	HOPKINS COUNTY ATTORNEY	364,760	0.009310%	0.026863%	0.011141%
W055	JACKSON COUNTY ATTORNEY	4,198	0.003720%	0.000309%	0.003364%
W056	JEFFERSON CO ATTORNEY	138,355	0.090800%	0.010189%	0.082392%
W058	JOHNSON COUNTY ATTORNEY	-	0.001230%	0.000000%	0.001102%
W061	KNOX COUNTY ATTORNEY	-	0.000030%	0.000000%	0.000027%
W062	LARUE COUNTY ATTORNEY	86,462	0.005540%	0.006368%	0.005626%
W063	LAUREL COUNTY ATTORNEY	25,400	0.001880%	0.001871%	0.001879%
W065	LEE COUNTY ATTORNEY	45,806	0.004720%	0.003373%	0.004580%
W073	MCCRACKEN COUNTY ATTORNEY	48,933	0.005810%	0.003604%	0.005580%
W074	MCCREARY COUNTY ATTORNEY	112,409	0.010210%	0.008279%	0.010009%
W076	MADISON COUNTY ATTORNEY	443,225	0.034400%	0.032642%	0.034217%
W077	MAGOFFIN CO ATTORNEY	78,313	0.001040%	0.005768%	0.001533%
W082	MEADE COUNTY ATTORNEY	91,238	0.007900%	0.006719%	0.007777%
W083	MENIFEE COUNTY ATTORNEY	19,800	0.003020%	0.001458%	0.002857%
W084	MERCER COUNTY ATTORNEY	40,953	0.002700%	0.003016%	0.002733%
W087	MONTGOMERY CO ATTORNEY	96,403	0.008960%	0.007100%	0.008766%
W088	MORGAN COUNTY ATTORNEY	101,464	0.009650%	0.007473%	0.009423%
W092	OHIO COUNTY ATTORNEY	12,734	0.000000%	0.000938%	0.000098%
W093	OLDHAM COUNTY ATTORNEY	247,446	0.008990%	0.018224%	0.009953%
W094	OWEN COUNTY ATTORNEY	51,568	0.002610%	0.003798%	0.002734%
W096	PENDLETON COUNTY ATTORNEY	-	0.000830%	0.000000%	0.000743%
W099	POWELL COUNTY ATTORNEY	-	0.000140%	0.000000%	0.000125%
W100	PULASKI COUNTY ATTORNEY	210,188	0.008520%	0.015480%	0.009246%
W102	ROCKCASTLE CO ATTORNEY	108,415	0.004120%	0.007984%	0.004523%
W103	ROWAN COUNTY ATTORNEY	62,868	0.004360%	0.004630%	0.004388%
W106	SHELBY COUNTY ATTORNEY	66,230	0.002130%	0.004878%	0.002417%
W107	SIMPSON COUNTY ATTORNEY	23,762	0.002770%	0.001750%	0.002664%
W108	SPENCER COUNTY ATTORNEY	52,745	0.006380%	0.003885%	0.006120%
W111	TRIGG COUNTY ATTORNEY	72,884	0.004960%	0.005368%	0.005003%
W112	TRIMBLE COUNTY ATTORNEY	52,576	0.003990%	0.003872%	0.003978%
W113	UNION COUNTY ATTORNEY	101,004	0.001560%	0.007439%	0.002173%
W117	WEBSTER COUNTY ATTORNEY	72,056	0.007510%	0.005307%	0.007280%
W118	WHITLEY COUNTY ATTORNEY	156,859	0.010710%	0.011552%	0.010798%
X034	FAYETTE CO ATTORNEY OFF	58,274	0.016670%	0.004292%	0.015379%
X059	KENTON COUNTY ATTORNEY	78,244	0.005430%	0.005762%	0.005465%
SUBTOTAL	ALL OTHER AGENCIES	263,131,562	17.733910%	19.378846%	17.905480%
TOTAL		1,357,829,273	100.000000%	100.000000%	100.000000%

The accompanying notes are an integral part of the schedules.

Kentucky Public Pensions Authority
Schedule A - Schedule of Employer Allocations
Fiscal Year Ended June 30, 2022 (Continued)

Kentucky Employees Retirement System (Non-Hazardous)

Employers are presented in order by assigned employer reporting code. There are separate schedules for Non-Hazardous and Hazardous and as such reporting employers may appear on multiple schedules.

Notes:

Column 4 - For employers within the Executive Branch, who are treated as one employer for the purposes of allocating the amortization cost under current statutes, the amortization cost has been allocated by actual salary for fiscal year ending June 30, 2022, within the Executive Branch. For example, for agency 31030, $3.992135\% = 51,724,900 / 1,009,755,047 \times 77.933030\%$

Column 5 - Normal cost portion of the required contribution allocated based on actual payroll for fiscal year ending 2022 for the entire plan. For example, for agency 31030, $3.809382\% = 51,724,900 / 1,357,829,273$

Column 6 - The final proportionate share calculation, which represents an employer's share of the long-term contribution effort, assumes the amortization cost is 89.57% of the aggregate required contribution for the plan.

Column 6 = $89.57\% \times \text{Column 4} + 10.43\% \times \text{Column 5}$

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Kentucky Public Pensions Authority
Schedule A - Schedule of Employer Allocations
Fiscal Year Ended June 30, 2022

Kentucky Employees Retirement System (Hazardous)

Employers are presented in order by assigned employer reporting code. There are separate schedules for Non-Hazardous and Hazardous and as such reporting employers may appear on multiple schedules.

Employer Code	Participating Participating Employer Name	Actual FYE 2022 Contributions	2022 Proportionate Share
(1)	(2)	(3)	(4)
1430	EASTERN KY UNIV	433,019	0.716272%
1440	MOREHEAD STATE UNIVERSITY	100,003	0.165418%
1445	MURRAY STATE UNIV	199,871	0.330614%
1450	NORTHERN KY UNIVERSITY	239,750	0.396579%
1465	WESTERN KENTUCKY UNIV	344,820	0.570380%
3801	KENTUCKY STATE UNIVERSITY	68,421	0.113178%
31030	UNIFIED PROSECUTORIAL SYS	-	0.000000%
31040	ATTORNEY GENERALS OFFICE	349,840	0.578683%
31095	DEPT MILITARY AFFAIRS	636,890	1.053504%
35615	TRAN DEPT OF AVIATION	43,906	0.072627%
39079	COMMONWEALTH OF TECHNOL	83,375	0.137914%
50660	DEPT OF FISH & WILDLIFE	1,918,258	3.173062%
50665	COMM KY HORSE PARK	101,359	0.167661%
50670	DEPT OF PARKS	379,788	0.628221%
53729	OFF HUMAN RESOURCE MANAGE	841,095	1.391287%
54520	J&PS DEPT OF KY STATE POL	1,836,804	3.038326%
54523	J&PS OF JUVENILE JUSTICE	4,982,236	8.241300%
54527	J&PS DEPT OF CORRECTIONS	47,266,227	78.184808%
58676	DEPT OF INSURANCE	92,768	0.153452%
58680	DEPT OF ALCOHOL & BEVERA	536,058	0.886714%
TOTAL		60,454,490	100.000000%

KPPA Board Meeting - Joint Audit Committee Report and Recommendations

Kentucky Public Pensions Authority
 Schedule B - Schedule of Pension Amounts by Employer
 Fiscal Year Ended June 30, 2022

Kentucky Employees Retirement System (Hazardous)

Employers are presented in order by assigned employer reporting code. There are separate schedules for Non-Hazardous and Hazardous and as such reporting employers may appear on multiple schedules.

Employer Code	Participating Employer Name	Net Pension Liability as of June 30, 2022			Pension Expense				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					
		Discount Rate 6.25%	Discount Rate Less 1.00% 5.25%	Discount Rate Plus 1.00% 7.25%	Proportionate Share of Aggregate Plan Pension Expense	From Changes in Proportion & Differences Between Employer Contrib. & Proportionate Share of Plan Contributions	Gross Employer Pension Expense	Proportionate Share of Nonemployer Contributions	Net Employer Pension Expense	Liability Experience	Assumption Change	Investment Experience	Change in Proportion & Differences Between Employer Contrib. & Proportionate Share of Plan Contributions	Total Deferred Outflow of Resources	Liability Experience	Investment Experience	Change in Proportion & Differences Between Employer Contrib. & Proportionate Share of Plan Contributions	Total Deferred Inflow of Resources	2023	2024	2025	2026
																			(1)	(2)	(3)	(4)
1440	EASTERN KY UNIV	3,636,195	4,800,376	3,688,535	286,763	37,224	334,097	-	324,097	31,556	-	712,067	32,370	772,99	65,207	558,265	-	632,661	12,480	12,480	126,230	150,882
1440	MOREHEAD STATE UNIVERSITY	839,523	1,109,306	820,884	66,226	140,990	(74,764)	-	(74,764)	7,288	-	164,447	17,735	171,735	15,080	128,950	110,325	254,315	(103,872)	(5,400)	(8,136)	34,648
1445	MORNING STAR UNIV	4,977,919	2,217,919	2,246,956	132,325	(87,453)	34,902	-	34,902	34,566	-	398,979	5,681	346,922	36,139	297,738	163,807	462,545	(1,052)	(19,261)	190,941	98,698
1450	NORTHERN KY UNIVERSITY	2,012,702	2,650,490	1,488,553	158,772	44,021	202,793	-	202,793	17,472	-	394,251	101,698	513,412	36,153	308,150	16,344	351,647	73,509	13,826	(19,506)	83,544
1465	WESTERN KENTUCKY UNIV	2,894,730	3,825,013	3,140,912	228,394	(126,398)	365,056	-	365,056	26,520	-	567,612	59,216	592,161	51,997	444,636	62,057	508,696	(63,749)	5,516	(28,054)	120,119
3001	KENTUCKY STATE UNIVERSITY	574,396	758,981	424,812	45,311	117,714	163,025	-	163,025	4,986	-	112,514	58,170	175,476	10,318	89,227	-	85,544	54,791	4,027	(5,567)	21,414
31000	UNIFIED PROFESSIONAL SYS	2,916,909	3,880,681	2,172,077	213,678	199,957	431,635	-	431,635	25,404	-	575,286	215,516	816,299	52,754	451,108	503,862	531,894	25,095	(28,463)	121,508	
31095	DEPT MILITARY AFFAIRS	1,346,202	2,064,880	1,354,339	421,275	39,996	461,271	-	461,271	46,413	-	1,047,119	48,724	1,139,499	36,046	821,262	124,146	1,041,438	(79,620)	7,522	(51,872)	221,933
35615	TRANS DEPT OF AVIATION	368,164	487,042	272,604	20,071	(840)	28,237	-	28,237	3,200	-	72,200	4,165	79,566	6,621	4,809	68,104	9,611	-	792	(3,572)	15,162
39079	COMMONWEALTH OF TECHNOLOGY	699,936	924,362	517,668	55,215	(67,386)	(12,171)	-	(12,171)	6,076	-	132,094	-	144,188	12,573	107,862	15,921	136,004	(16,421)	1,340	(6,743)	29,002
5060	DEPT OF FISH & WILDLIFE	16,103,798	21,278,802	11,910,038	1,276,350	209,668	1,486,018	-	1,486,018	139,792	-	1,154,844	265,128	1,559,544	289,263	2,473,538	-	2,762,802	211,664	68,110	(116,067)	608,444
50665	COMM KY HORSE PARK	800,906	1,124,348	629,913	49,124	(19,378)	49,746	-	49,746	2,386	-	166,872	15,284	179,516	21,175	167,514	11,908	1,092	(8,246)	35,919		
5070	DEPT OF PARKS	1,188,122	4,211,899	2,358,071	251,511	(288,144)	(37,633)	-	(37,633)	27,677	-	124,837	622,211	57,270	489,729	120,367	607,367	(121,205)	4,609	(30,899)	132,344	
5370	DEPT HUMAN RESOURCE MNGMNT	7,062,005	9,330,079	6,292,139	557,066	(11,799,822)	(92,844)	-	(92,844)	61,204	-	1,385,136	1,444,411	126,811	1,098,506	781,664	1,906,869	(207,428)	(27,294)	(68,411)	293,002	
54520	JBPS DEPT OF KY STATE POL	15,419,992	20,375,251	11,404,307	1,316,408	297,648	1,514,056	-	1,514,056	133,656	-	3,020,489	1,014,283	4,168,596	276,980	2,368,398	129,024	2,774,517	790,120	123,245	(149,440)	640,062
54523	JBPS DEPT OF JUVENILE JUSTICE	41,825,919	52,966,801	30,333,584	3,295,441	4,429,096	8,724,538	-	8,724,538	380,078	-	1,191,188	968,151	1,434,164	751,204	2,448,190	3,643,110	(4,403,988)	(69,841)	(602,398)	1,736,134	
54527	JBPS DEPT OF CONNECTIONS	396,800,437	524,313,430	293,455,395	31,301,058	(7,459,145)	28,842,513	-	28,842,513	3,444,508	-	77,725,813	2,689,009	83,859,318	7,127,489	60,948,436	470,202	68,546,127	1,348,223	1,439,886	(3,245,525)	16,470,619
5896	DEPT OF INSURANCE	778,784	1,029,081	579,969	65,495	(109,098)	(43,603)	-	(43,603)	9,260	-	192,551	108,311	301,869	18,922	286,293	194,000	18,820	(16,000)	(7,548)	32,327	
5880	DEPT OF ALCOHOL & BEVERA	4,500,216	5,946,373	3,328,266	350,000	(19,349)	335,751	-	335,751	39,065	-	81,508	158,459	1,079,022	80,835	691,232	50,937	823,004	67,035	25,809	(43,613)	186,797
TOTAL		597,516,035	676,607,811	375,344,363	40,025,471	1,273,289	41,208,860	-	41,208,860	4,406,296	-	99,612,936	5,864,178	109,281,710	9,116,209	77,954,318	4,595,100	91,652,621	(121,384)	1,640,707	(4,918,507)	21,066,201

The accompanying notes are an integral part of the schedules.

Kentucky Public Pensions Authority
Schedule A - Schedule of Employer Allocations
Fiscal Year Ended June 30, 2022

County Employees Retirement System (Non-Hazardous)

Employers are presented in order by assigned employer reporting code. There are separate schedules for Non-Hazardous and Hazardous and as such reporting employers may appear on multiple schedules.

Employer Code	Participating Participating Employer Name	Actual FYE 2022 Contributions	2022 Proportionate Share
(1)	(2)	(3)	(4)
10005	LEGS GENERAL ASSEMBLY	25,380	0.004029%
20025	JUDL ADM OFF OF THE COURT	13,587,025	2.156955%
35628	TRAN DEPT OF INTERGOV PRO	-	0.000000%
39931	JEFFERSON CO CLERK	2,420,196	0.384209%
39932	JEFFERSON CO SHERIFF	624,720	0.099175%
39933	KENTON CO COURT CLERK	344,213	0.054644%
39934	KENTON CO SHERIFF	133,109	0.021131%
39935	CAMPBELL COUNTY CLERK	249,178	0.039557%
39936	CAMPBELL CO SHERIFF	112,776	0.017903%
39937	FAYETTE CO CLERK	867,313	0.137687%
39938	FAYETTE CO SHERIFF	424,232	0.067347%
39939	DAVIESS CO CLERK	252,892	0.040147%
39940	DAVIESS CO SHERIFF	62,075	0.009854%
39941	PIKE CO CLERK	115,970	0.018410%
39942	PIKE CO SHERIFF	185,701	0.029480%
39943	HARDIN COUNTY CLERK OFFIC	300,057	0.047634%
39944	HARDIN COUNTY SHERIFF	124,685	0.019794%
39945	WARREN COUNTY CLERKS OFF	291,653	0.046300%
39946	WARREN COUNTY SHERIFF	407,368	0.064670%
39947	BOONE COUNTY CLERK	322,648	0.051221%
39948	BOONE COUNTY SHERIFF	94,827	0.015054%
39949	CHRISTIAN COUNTY CLERK	138,307	0.021956%
39950	CHRISTIAN COUNTY SHERIFF	441,031	0.070014%
39951	MADISON COUNTY CLERK	232,168	0.036857%
39952	MADISON COUNTY SHERIFF	65,763	0.010440%
39961	BULLITT COUNTY CLERK	266,145	0.042251%
39962	BULLITT CO SHERIFF	273,515	0.043421%
54527	J&PS DEPT OF CORRECTIONS	-	0.000000%
014A	BRECKINRIDGE CO ATTORNEY	1,349	0.000214%
116A	WAYNE COUNTY ATTORNEY	25,990	0.004126%
A051	HENDERSON CO TOURIST COMM	12,347	0.001960%
A073	HOUSING AUTH OF PADUCAH	304,194	0.048291%
A113	MORGANFIELD HOUSING AUTH	-	0.000000%
A156	CITY OF ANCHORAGE	114,286	0.018143%
AB19	BELLEVUE/DAYTON FIRE	8,640	0.001372%
AC19	CAMPBELL CO FIRE DIST 1	-	0.000000%
B008	BURLINGTON FIRE PRO DIST	11,703	0.001858%
B010	HOUSING AUTHORITY OF CATLETTSBURG	54,909	0.008717%
B015	CITY OF HILLVIEW	134,489	0.021350%
B017	PENNYRILE EMER ASST CTR	66,070	0.010489%
B018	W KY ED COOPERATIVE	32,865	0.005217%
B023	CITY OF LONDON TOURISM	13,710	0.002176%
B024	OAK GROVE TOURISM/CONVENTION COMMISSION	59,277	0.009410%
B030	OWENBORO/DAV CO ECO DEV	45,556	0.007232%
B035	GTR FLEMING CO WATER COMM	24,181	0.003839%

Kentucky Public Pensions Authority
Schedule A - Schedule of Employer Allocations
Fiscal Year Ended June 30, 2022

County Employees Retirement System (Non-Hazardous)

Employers are presented in order by assigned employer reporting code. There are separate schedules for Non-Hazardous and Hazardous and as such reporting employers may appear on multiple schedules.

Employer Code	Participating Participating Employer Name	Actual FYE 2022 Contributions	2022
			Proportionate Share
(1)	(2)	(3)	(4)
B038	CITY OF HICKMAN	107,841	0.017120%
B042	HOUSING AUTH OF MAYFIELD	132,983	0.021111%
B043	GRAYSON CO CONSERV DIST	6,279	0.000997%
B045	CITY OF BELLEFONTE	1,039	0.000165%
B048	CITY OF HARLAN	223,622	0.035500%
B051	HENDERSON CITY/CO PLANNIN	79,678	0.012649%
B052	HENRY CO WATER DIST #2	215,925	0.034278%
B054	CITY OF NORTONVILLE	46,001	0.007303%
B058	JOHNSON CO FISCAL COURT	455,995	0.072390%
B061	KNOX CO UTILITIES COMM	86,937	0.013801%
B072	LAKE BARKLEY TOUR COMM	10,137	0.001609%
B078	MARION CO WATER DISTRICT	111,148	0.017645%
B084	N MERCER WATER DISTRICT	129,328	0.020531%
B087	MONTGOMERY CO FIRE DIST	611,918	0.097143%
B097	KY RIVER REGIONAL JAIL	195,878	0.031096%
B098	PIKE CO SENIOR CITIZEN PR	43,266	0.006869%
B100	CITY OF SCIENCE HILL	26,825	0.004258%
B104	RUSSELL CO AMBULANCE SER	169,008	0.026830%
B106	NORTH SHELBY WATER CO	132,638	0.021056%
B109	CAMPBELL/TAYLOR CO I D A	21,643	0.003436%
B113	UNION CO ECONOMIC DEVELOP	18,797	0.002984%
B116	MONTICELLO/WAYNE TELE BOA	55,637	0.008832%
B118	WHITLEY CO CONSERV DIST	2,659	0.000422%
B124	HOPKINS-CHRIST CO PLANNIN	234,185	0.037177%
B156	LOU POLICE RETIRE FUND	25,730	0.004085%
B179	HOUSING AUTH OF BENTON	48,328	0.007672%
B230	RIVERPARK CTR OWENSBORO	103,162	0.016377%
B256	BUECHEL FIRE PROTECT DIST	13,435	0.002133%
B259	CITY OF LUDLOW	54,516	0.008654%
B356	CITY OF DOUGLASS HILLS	50,930	0.008085%
B456	ANCHORAGE MIDDLETOWN FIRE AND EMS	113,439	0.018008%
B656	LOUISVILLE AIRPORT AUTHOR	1,707,881	0.271128%
B756	LEGAL AID SOCIETY INC	612,419	0.097222%
B856	JEFF CO SOIL/CONSER DIST	5,253	0.000834%
B956	LAKE DREAMLAND FIRE DIST	-	0.000000%
C025	WINCHESTER CLARK COUNTY INDUSTRIAL AUTHORITY	20,815	0.003304%
C037	CIRCUIT CLERKS	-	0.000000%
C079	JONATHAN CREEK WATER DIST	69,273	0.010997%
C087	CITY OF JEFFERSONVILLE	46,557	0.007391%
C105	CITY OF SADIEVILLE	9,115	0.001447%
C106	CITY OF SIMPSONVILLE	94,225	0.014958%
C118	HOUSING AUTH OF CORBIN	65,397	0.010382%
C230	HOUSING AUTH OF OWENSBORO	261,091	0.041449%
C256	LOUISVILLE/JEFF CO METRO	35,911,828	5.701041%
D017	CALDWELL CO WATER DISTRIC	57,252	0.009089%

Kentucky Public Pensions Authority
Schedule A - Schedule of Employer Allocations
Fiscal Year Ended June 30, 2022

County Employees Retirement System (Non-Hazardous)

Employers are presented in order by assigned employer reporting code. There are separate schedules for Non-Hazardous and Hazardous and as such reporting employers may appear on multiple schedules.

Employer Code	Participating Participating Employer Name	Actual FYE 2022 Contributions	2022
			Proportionate Share
(1)	(2)	(3)	(4)
D025	WINCHESTER-CLARK COUNTY TOURISM	17,878	0.002838%
D052	CITY OF PLEASUREVILLE	6,937	0.001101%
D071	CITY OF LEWISBURG	45,656	0.007248%
D079	NORTH MARSHALL WATER DIST	136,122	0.021609%
D084	GTR H/MERCER PL&ZONING CO	15,255	0.002422%
D098	CITY OF COAL RUN VILLAGE	60,382	0.009586%
D106	SIMPSONVILLE RURAL FIRE	-	0.000000%
D113	UNION CO WATER DISTRICT	55,905	0.008875%
D118	WHITLEY CO WATER DIST	38,502	0.006112%
D135	WESTERN FLEMING WATER DIS	52,417	0.008321%
G015	ZONETON FIRE PROT DIST	8,544	0.001356%
G090	NELSON CO. DISPATCH	134,360	0.021330%
GS06	SHELBY CO SUB FIRE DIST	16,966	0.002693%
J001	ADAIR CO BD OF EDUCATION	882,105	0.140035%
J002	CITY OF SCOTTSVILLE	428,324	0.067997%
J003	CITY OF LAWRENCEBURG	537,446	0.085320%
J004	BALLARD CO BD OF ED	409,693	0.065039%
J005	GLASGOW BD OF EDUCATION	630,153	0.100037%
J006	BATH CO BD OF EDUC	649,469	0.103104%
J007	CITY OF MIDDLESBORO	286,538	0.045488%
J008	BOONE CO WATER DISTRICT	328,787	0.052195%
J009	BOURBON CO BD OF EDUCATIO	1,037,476	0.164700%
J010	FAIRVIEW BD OF EDUCATION	183,478	0.029127%
J011	DANVILLE CITY BD OF ED	603,925	0.095874%
J012	BRACKEN CO BD OF EDUC	329,313	0.052279%
J013	BREATHITT CO BD OF ED	633,420	0.100556%
J014	BRECKINRIDGE CO BD OF ED	913,058	0.144949%
J015	BULLITT CO BD OF ED	4,065,579	0.645415%
J016	BUTLER CO BD OF ED	617,542	0.098035%
J017	CALDWELL CO BD EDUCATION	653,893	0.103806%
J018	CALLOWAY CO BD OF EDUC	803,484	0.127554%
J019	SANITATION DISTRICT NO 1	3,096,835	0.491626%
J021	CARROLL CO BD OF ED	1,029,705	0.163467%
J022	CARTER CO BD OF ED	1,377,953	0.218752%
J023	CASEY CO BD OF ED	854,935	0.135722%
J024	CITY OF HOPKINSVILLE	1,325,625	0.210444%
J025	CLARK CO BD OF ED	1,905,058	0.302430%
J026	CLAY CO BD OF ED	942,222	0.149579%
J027	CLINTON CO BD OF ED	614,348	0.097528%
J028	CRITTENDEN CO BD OF ED	448,248	0.071160%
J029	CUMBERLAND CO BD OF ED	346,230	0.054964%
J030	DAVISS CO LIBRARY DIST	396,343	0.062920%
J031	EDMONSON CO BD OF EDUC	621,313	0.098634%
J032	ELLIOTT CO BD OF ED	282,169	0.044795%
J033	ESTILL CO CONSERVATION DI	19,209	0.003049%

Kentucky Public Pensions Authority
Schedule A - Schedule of Employer Allocations
Fiscal Year Ended June 30, 2022

County Employees Retirement System (Non-Hazardous)

Employers are presented in order by assigned employer reporting code. There are separate schedules for Non-Hazardous and Hazardous and as such reporting employers may appear on multiple schedules.

Employer Code	Participating Participating Employer Name	Actual FYE 2022 Contributions	2022
			Proportionate Share
(1)	(2)	(3)	(4)
J034	GREATER LEX CONV&VISITOR	349,035	0.055410%
J035	FLEMING CO BD OF ED	648,009	0.102872%
J037	CITY OF FRANKFORT	1,781,348	0.282791%
J038	FULTON COUNTY BD OF EDUC	152,612	0.024227%
J039	GALLATIN CO BD OF EDUC	588,492	0.093424%
J040	CITY OF LANCASTER	205,125	0.032564%
J041	WILLIAMSTOWN INDEPNDNT SC	324,567	0.051525%
J042	GRAVES CO LIBRARY	55,220	0.008766%
J043	GRAYSON CO BD OF ED	1,392,681	0.221090%
J044	GREEN CO BD OF EDUCATION	572,015	0.090808%
J045	RUSSELL INDPT BD OF ED	625,654	0.099323%
J046	HANCOCK CO BD EDUCATION	653,095	0.103679%
J047	HARDIN CO SOIL CN DIST	13,121	0.002083%
J048	HARLAN CO BD OF EDUCATION	1,475,026	0.234162%
J049	HARRISON CO BD OF ED	909,933	0.144453%
J050	HART CO BD OF ED	773,624	0.122814%
J051	HENDERSON PUBLIC LIBRARY	266,398	0.042291%
J052	EMINENCE INDEP BD OF EDUC	300,108	0.047642%
J053	HICKMAN CO BD OF ED	199,314	0.031641%
J054	HOPKINS CO BD OF ED	2,141,826	0.340017%
J055	JACKSON CO BD OF ED	635,503	0.100887%
J056	JEFF CO METRO SEWER DIST	11,537,630	1.831611%
J057	JESSAMINE CO BD OF ED	2,900,151	0.460402%
J058	PAINTSVILLE GAS/WATER SYS	422,679	0.067101%
J059	KENTON COUNTY AIRPORT BD	4,972,828	0.789442%
J060	KNOTT CO BD OF EDUCATION	846,322	0.134354%
J061	KNOX CO BD OF EDUCATION	1,630,210	0.258797%
J062	LARUE CO PUBLIC LIBRARY	35,902	0.005699%
J063	CITY OF LONDON	614,184	0.097502%
J064	LAWRENCE CO BD OF ED	862,171	0.136871%
J065	LEE CO BD OF ED	369,580	0.058671%
J066	LESLIE CO BD OF ED	609,396	0.096742%
J067	CITY OF WHITESBURG	264,384	0.041971%
J068	ELEC PLT BD OF VANCEBURG	226,764	0.035999%
J069	LINCOLN CO BD OF EDUC	1,211,078	0.192260%
J070	LIVINGSTON CO BD OF ED	540,230	0.085762%
J071	LOGAN CO BD OF EDUCATION	938,382	0.148969%
J072	LYON CO. PUBLIC LIBRARY	30,957	0.004914%
J073	PADUCAH WATER WORKS	744,890	0.118252%
J074	MCCREARY CO BD OF EDUCATN	1,074,794	0.170625%
J075	MCLEAN CO BD OF ED	458,289	0.072754%
J076	MADISON CO BD OF ED	3,553,883	0.564183%
J077	MAGOFFIN CO BD OF ED	735,461	0.116755%
J078	MARION CO BD OF EDUCATION	932,547	0.148043%
J079	MARSHALL COUNTY BD OF ED	1,376,664	0.218547%

**Kentucky Public Pensions Authority
Schedule A - Schedule of Employer Allocations
Fiscal Year Ended June 30, 2022**

County Employees Retirement System (Non-Hazardous)

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Employer Code	Participating Participating Employer Name	Actual FYE 2022 Contributions	2022
			Proportionate Share
(1)	(2)	(3)	(4)
J080	MARTIN CO BD OF ED	662,506	0.105173%
J081	MASON CO BD OF ED	784,912	0.124606%
J082	MEADE CO PUBLIC LIBRARY	77,610	0.012321%
J083	MENIFEE CO BD OF ED	384,883	0.061101%
J084	CITY OF HARRODSBURG	605,002	0.096045%
J085	METCALFE CO BD OF ED	582,850	0.092528%
J086	MONROE CO BOARD OF ED	808,404	0.128335%
J087	MT STERLING WATER WORKS	422,704	0.067105%
J088	MORGAN CO BD OF EDUCATION	675,722	0.107272%
J089	MUHLENBERG CO LIB BD DIST	95,303	0.015129%
J090	CITY OF BARDSTOWN	1,104,907	0.175405%
J091	NICHOLAS CO BD OF ED	351,595	0.055816%
J092	OHIO CO BD OF ED	1,480,513	0.235033%
J093	OLDHAM COUNTY BD OF ED	3,982,232	0.632184%
J094	OWEN CO BD OF ED	621,272	0.098628%
J095	OWSLEY CO BD OF EDUCATION	417,471	0.066274%
J096	PENDLETON CO BD OF ED	663,295	0.105299%
J097	HAZARD CITY SCHOOLS	333,257	0.052905%
J098	PIKE CO BD OF EDUCATION	3,118,538	0.495071%
J099	POWELL CO BD OF EDUCATION	890,618	0.141387%
J100	CITY OF SOMERSET	1,514,767	0.240471%
J101	ROBERTSON CO BD OF ED	212,921	0.033801%
J102	ROCKCASTLE CO BD OF ED	834,876	0.132537%
J103	ROWAN CO BD OF ED	1,162,504	0.184549%
J104	RUSSELL CO BD OF ED	983,568	0.156142%
J105	SCOTT CO BOARD OF ED	3,188,075	0.506110%
J106	SHELBY CO LIBRARY	89,514	0.014210%
J107	SIMPSON CO BD OF ED	1,003,273	0.159271%
J108	SPENCER CO BD OF EDUC	1,073,426	0.170407%
J109	TAYLOR CO BD OF ED	1,190,398	0.188977%
J110	TODD CO BD OF ED	808,218	0.128306%
J111	TRIGG CO BD OF ED	701,858	0.111421%
J112	TRIMBLE CO BD OF ED	390,818	0.062043%
J113	CITY OF MORGANFIELD	465,418	0.073886%
J115	SPRINGFIELD WATER & SEWER	189,428	0.030072%
J117	CITY OF SEBREE	54,279	0.008617%
J118	CITY OF CORBIN	426,810	0.067756%
J119	WOLFE CO BD OF EDUCATION	489,713	0.077742%
J120	WOODFORD CO BD OF ED	1,402,497	0.222648%
J124	PENNYRILE NAR TASK FORCE	7,107	0.001128%
J134	LEX-FAY CO HUM RIGHTS COM	33,277	0.005283%
J135	FLEMING CO EMS	148,922	0.023642%
J154	CITY OF EARLINGTON	37,616	0.005972%
J156	CITY OF JEFFERSONTOWN	920,594	0.146145%
J178	LEBANON HOUSING AUTHORITY	64,436	0.010229%

**Kentucky Public Pensions Authority
Schedule A - Schedule of Employer Allocations
Fiscal Year Ended June 30, 2022**

County Employees Retirement System (Non-Hazardous)

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Employer Code	Participating Participating Employer Name	Actual FYE 2022 Contributions	2022 Proportionate Share
(1)	(2)	(3)	(4)
J179	MARSHALL CO TOURIST COMM	14,238	0.002260%
J190	CITY OF BLOOMFIELD	68,192	0.010825%
J200	SOMERSET-PULASKI CONV & V	32,096	0.005095%
J203	FRONTIER HOUSING INC	54,418	0.008639%
J205	GEORGETOWN-SCOTT CO P COM	118,798	0.018859%
J210	BOYD CO AMBULANCE SERVICE	13,430	0.002132%
J214	COMM ACTION SOUTHERN KY	1,206,334	0.191507%
J217	CITY OF PROVIDENCE	404,436	0.064205%
J219	CAMPBELL CO PUBLIC LIBRAR	421,457	0.066907%
J224	HOUSING AUTH OF HOPKINSVL	124,722	0.019800%
J234	LFUC HOUSING AUTHORITY	743,613	0.118049%
J256	CITY OF ST MATTHEWS	357,061	0.056684%
J259	CITY OF PARK HILLS	27,850	0.004421%
J305	SCOTT CO SOIL CONSER DIST	-	0.000000%
J310	CANNONSBURG WATER DIST	107,353	0.017042%
J314	BOWL GRN WARREN AIRPRT BD	50,150	0.007961%
J317	PROVIDENCE MUN HOUSING AU	33,044	0.005246%
J319	CITY OF ALEXANDRIA	163,342	0.025931%
J324	CITY OF OAK GROVE	210,556	0.033426%
J334	CENTRAL KY ED COOPERATIVE	22,417	0.003559%
J356	CITY OF WEST BUECHEL	50,498	0.008017%
J359	CITY OF FORT WRIGHT	83,123	0.013196%
J405	GEORGETOWN HOUSING AUTHOR	92,456	0.014677%
J414	WARREN CO PLANNING COMM	163,962	0.026029%
J417	WEBSTER CO CONSER DIST	16,002	0.002540%
J419	CITY OF COLD SPRING	81,778	0.012982%
J424	CITY OF CROFTON	4,311	0.000684%
J434	KY LEAGUE OF CITIES	1,325,337	0.210399%
J456	CITY OF SHIVELY	188,827	0.029977%
J459	N KY AREA PLAN COMMISSION	571,650	0.090750%
J510	CITY OF CATLETTSBURG	82,590	0.013111%
J514	BARREN RIVER AREA DEV	411,903	0.065390%
J519	NORTHERN KY COOP ED SER	272,125	0.043200%
J524	HOPKINSVILLE S W AUTHORI	590,337	0.093717%
J534	BLUEGRASS AREA DEV DISRIC	617,284	0.097995%
J556	LOUISVILLE CONV BUREAU	967,879	0.153652%
J559	CITY OF CRESCENT SPRINGS	57,740	0.009166%
J610	BOYD CO CONSERVATION DIST	9,869	0.001567%
J614	BOWL GRN CONV & VISIT BUR	74,286	0.011793%
J619	CITY OF FORT THOMAS	447,018	0.070965%
J656	OHIO VALLEY ED COOP	776,249	0.123230%
J710	BIG SANDY WATER DISTRICT	62,542	0.009929%
J714	BOWLING GR/WARREN COMM ED	122,496	0.019446%
J719	CITY OF SOUTHGATE	53,498	0.008493%
J734	ACCESS TO JUSTICE FNDTION	-	0.000000%

Kentucky Public Pensions Authority
Schedule A - Schedule of Employer Allocations
Fiscal Year Ended June 30, 2022

County Employees Retirement System (Non-Hazardous)

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Employer Code	Participating Participating Employer Name	Actual FYE 2022 Contributions	2022
			Proportionate Share
(1)	(2)	(3)	(4)
J756	CITY OF PROSPECT	74,969	0.011901%
J759	N KY COMMUNITY ACT COMM	993,678	0.157747%
J810	HOUSING AUTH OF ASHLAND	151,733	0.024088%
J814	HOUSING AUTH BOWLING GRN	350,830	0.055695%
J819	CITY OF BELLEVUE	140,818	0.022355%
J834	KY LEGAL SERVICE PROGRAMS	124,847	0.019820%
J856	LOUISVILLE WATER COMPANY	7,645,256	1.213692%
J859	CITY OF VILLA HILLS	92,522	0.014688%
J910	SANITATION DISTRICT #4	112,251	0.017820%
J914	BOWLING GRN HUM RIGHT COM	17,457	0.002771%
J919	CITY OF DAYTON	96,760	0.015361%
J956	OKOLONA FIRE DISTRICT	31,263	0.004963%
J959	CITY OF INDEPENDENCE	214,657	0.034077%
K001	CITY OF COLUMBIA	186,703	0.029639%
K002	ALLEN CO BD OF ED	934,624	0.148373%
K003	ANDERSON CO BD OF ED	1,141,601	0.181230%
K004	CITY OF WICKLIFFE	55,917	0.008877%
K005	BARREN CO BD OF EDUCATION	1,675,518	0.265990%
K006	CITY OF OWINGSVILLE	117,756	0.018694%
K007	BELL CO BD OF ED	890,713	0.141402%
K009	PARIS BD OF EDUCATION	351,405	0.055786%
K010	CITY OF ASHLAND	1,988,123	0.315617%
K011	CITY OF DANVILLE	1,009,335	0.160233%
K012	AUGUSTA BD OF ED	64,259	0.010201%
K013	JACKSON CITY SCHOOLS	136,414	0.021656%
K014	CLOVERPORT INDEPENDENT SC	110,750	0.017582%
K015	BULLITT CO PUBLIC LIBRARY	419,794	0.066643%
K016	CITY OF MORGANTOWN	188,779	0.029969%
K017	GEORGE COON PUBLIC LIBRAR	29,123	0.004623%
K018	CITY OF MURRAY	985,051	0.156378%
K019	CITY OF NEWPORT	659,696	0.104728%
K020	CARLISLE CO BD OF ED	203,402	0.032290%
K021	CARROLL CO PUBLIC LIBRARY	80,771	0.012823%
K022	CARTER CO EMER AMBUL DIST	339,910	0.053961%
K023	CASEY CO AMBULANCE SERV	130,025	0.020642%
K025	CLARK CO LIBRARY BD	189,488	0.030081%
K026	CITY OF MANCHESTER	231,720	0.036786%
K027	CLINTON CO PUBLIC LIBRARY	15,507	0.002462%
K028	CITY OF MARION	210,930	0.033485%
K029	CITY OF BURKESVILLE	162,104	0.025734%
K030	OWENSBORO BD OF ED	2,159,291	0.342790%
K032	ELLIOTT CO AMB SERVICE	-	0.000000%
K033	ESTILL CO BD OF EDUCATION	740,544	0.117562%
K034	LEX/FAYETTE URBAN CO GOVT	19,390,468	3.078257%
K035	LICKING VALLEY COM ACTION	402,162	0.063844%

**Kentucky Public Pensions Authority
Schedule A - Schedule of Employer Allocations
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County Employees Retirement System (Non-Hazardous)

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Employer Code	Participating Participating Employer Name	Actual FYE 2022 Contributions	2022 Proportionate Share
(1)	(2)	(3)	(4)
K036	FLOYD CO SCHOOLS	2,483,253	0.394219%
K038	FULTON CITY SCHOOLS	127,025	0.020165%
K039	GALLATIN CO PUBLIC LIB	41,377	0.006569%
K040	GARRARD CO BD OF ED	761,891	0.120951%
K041	CITY OF WILLIAMSTOWN	432,770	0.068703%
K042	GRAVES CO BD OF ED	1,275,906	0.202551%
K043	CITY OF LEITCHFIELD	332,425	0.052773%
K044	CITY OF GREENSBURG	175,511	0.027862%
K045	GREENUP CO BD OF ED	1,003,822	0.159358%
K046	CITY OF HAWESVILLE	69,773	0.011077%
K047	HARDIN CO BD OF ED	4,961,627	0.787663%
K048	HARLAN INDEPENDENT SCHOOL	171,721	0.027261%
K049	CITY OF CYNTHIANA	354,629	0.056298%
K050	CAVERNA INDEPENDENT SCH	279,526	0.044375%
K052	HENRY CO BD OF EDUCATION	712,082	0.113044%
K055	JACKSON CO CONSERV DIST	-	0.000000%
K057	JESSAMINE CO PUBLIC LIBRA	384,833	0.061093%
K058	JOHNSON CO BD OF ED	1,097,015	0.174152%
K060	LKLP COMM ACTION COUNCIL	2,151,710	0.341586%
K061	BARBOURVILLE CITY SCHOOLS	128,257	0.020361%
K062	LARUE CO BD OF EDUCATION	703,831	0.111734%
K063	LONDON UTILITY COMM	339,087	0.053830%
K064	CITY OF LOUISA	144,310	0.022909%
K065	CITY OF BEATTYVILLE	167,803	0.026639%
K066	LESLIE CO PUBLIC LIBRARY	48,413	0.007686%
K067	LETCHER CO BD OF ED	1,049,653	0.166634%
K068	LEWIS CO BD OF ED	708,511	0.112477%
K069	LINCOLN CO PUBLIC LIBRARY	50,958	0.008090%
K070	LIVINGSTON CO CONSERV DIS	11,529	0.001830%
K071	CITY OF RUSSELLVILLE	446,714	0.070916%
K072	LYON CO BD OF EDUCATION	318,585	0.050576%
K073	PADUCAH BOARD OF ED	1,090,102	0.173055%
K074	MCCREARY CO WATER DIST	291,342	0.046251%
K075	CITY OF CALHOUN	49,738	0.007896%
K077	MAGOFFIN CO LIBRARY	9,799	0.001556%
K078	CITY OF LEBANON	387,462	0.061510%
K079	CITY OF BENTON	381,050	0.060492%
K080	MARTIN COUNTY LIBRARY	43,883	0.006967%
K081	MAYSVILLE UTILITY COMM	-	0.000000%
K082	CITY OF MULDRAUGH	73,321	0.011640%
K083	CITY OF FRENCHBURG	68,479	0.010871%
K085	METCALFE HEALTH CARE CTN	393,867	0.062527%
K086	MONROE CO CONSERV DIST	15,249	0.002421%
K087	MONTGOMERY CO BD OF ED	1,391,477	0.220898%
K088	GATEWAY COMM SER ORGANIZ	1,380,607	0.219173%

Kentucky Public Pensions Authority
Schedule A - Schedule of Employer Allocations
Fiscal Year Ended June 30, 2022

County Employees Retirement System (Non-Hazardous)

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Employer Code	Participating Participating Employer Name	Actual FYE 2022 Contributions	2022
			Proportionate Share
(1)	(2)	(3)	(4)
K089	MUHLENBERG CO BD OF ED	1,842,895	0.292562%
K090	NELSON COUNTY BD OF ED	1,519,951	0.241294%
K091	CITY OF CARLISLE	198,102	0.031449%
K092	OHIO CO LIBRARY	88,998	0.014129%
K093	OLDHAM CO LIBRARY BD	196,418	0.031182%
K094	OWEN CO PUBLIC LIBRARY	51,483	0.008173%
K095	OWSLEY CO PUBLIC LIBRARY	12,738	0.002022%
K096	PENDLETON CO LIBRARY	62,581	0.009935%
K097	PERRY CO BD OF EDUCATION	1,393,888	0.221281%
K098	PIKEVILLE INDEPENDENT SCH	272,764	0.043302%
K099	CITY OF STANTON	65,697	0.010429%
K100	SOMERSET BD OF EDUCATION	464,706	0.073773%
K101	CITY OF MOUNT OLIVET	4,433	0.000704%
K102	ROCKCASTLE CONSERV DIST	10,200	0.001619%
K103	CITY OF MOREHEAD	359,719	0.057106%
K104	RUSSELL CO CONS DIST	4,739	0.000752%
K105	CITY OF GEORGETOWN	927,760	0.147283%
K106	CITY OF SHELBYVILLE	386,011	0.061280%
K107	FRANKLIN/SIMPSON PARKS BD	41,122	0.006528%
K108	CITY OF TAYLORSVILLE	188,680	0.029953%
K109	CAMPBELLSVLE MUN WTR&SEWR	436,524	0.069299%
K110	TODD COUNTY WATER DIST	80,949	0.012851%
K111	CITY OF CADIZ	240,031	0.038105%
K112	TRIMBLE CO LIBRARY	59,104	0.009383%
K113	UNION CO BD OF EDUCATION	906,763	0.143950%
K114	CITY OF BOWLING GREEN	2,822,313	0.448045%
K115	CITY OF SPRINGFIELD	180,960	0.028728%
K116	WAYNE CO BD OF ED	1,179,081	0.187180%
K117	WEBSTER CO PUBLIC LIBRARY	35,069	0.005567%
K118	WHITLEY CO BD OF ED	1,509,536	0.239640%
K119	WOLFE COUNTY LIBRARY	16,177	0.002568%
K120	CITY OF VERSAILLES	565,566	0.089784%
K137	KY MAGISTRATES/COMM ASSOC	48,581	0.007712%
K141	GRANT CO PLANNING COMM	12,314	0.001955%
K181	WESTERN LEWIS-RECTORVILLE	46,701	0.007414%
K200	CITY OF FERGUSON	108	0.000017%
K214	GREEN RIVER EDUC COOP	31,228	0.004958%
K219	NORTHERN KY WATER SER DIS	2,149,111	0.341174%
K237	KY CO JUDGE/EX ASSOC	50,511	0.008019%
K256	JEFFERSONTOWN FIRE DIST	22,841	0.003626%
K314	KY LEGAL AID	565,447	0.089765%
K315	MT WASHINGTON FIRE P DIST	15,361	0.002438%
K319	CITY OF SILVER GROVE	25,265	0.004011%
K337	KY COUNCIL OF ADD'S	-	0.000000%
K356	ST MATTHEWS FIRE DIST.	14,271	0.002266%

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Fiscal Year Ended June 30, 2022

County Employees Retirement System (Non-Hazardous)

Employers are presented in order by assigned employer reporting code. There are separate schedules for Non-Hazardous and Hazardous and as such reporting employers may appear on multiple schedules.

Employer Code	Participating Participating Employer Name	Actual FYE 2022 Contributions	2022 Proportionate Share
(1)	(2)	(3)	(4)
K414	CITY OF SMITHS GROVE	-	0.000000%
K419	ALEXANDRIA FIRE DISTRICT	10,741	0.001705%
K459	CITY OF LAKESIDE PARK	19,169	0.003043%
K519	CITY OF MELBOURNE	8,328	0.001322%
K559	CITY OF TAYLOR MILL	116,707	0.018527%
K614	WARREN CO PUBLIC LIBRARY	191,883	0.030462%
K619	CAMPBELL CO CONS DISPATCH	335,327	0.053233%
K656	MCMAHAN FIRE PRO DIST 14	-	0.000000%
K659	CITY OF EDGEWOOD	222,343	0.035297%
K719	CENTRAL CAMPBELL CO FIRE	6,908	0.001097%
K759	LAKESIDE/CRESTVIEWHLS POL	13,913	0.002209%
K856	HIGHVIEW FIRE DISTRICT	22,526	0.003576%
K859	CITY OF FORT MITCHELL	146,976	0.023333%
K956	CITY OF MEADOW VALE	-	0.000000%
K959	HOUSING AUTH OF COVINGTON	344,711	0.054723%
L001	ADAIR CO AMBULANCE SER	-	0.000000%
L002	ALLEN CO CONSERVATION DIS	9,373	0.001488%
L003	ANDERSON PUBLIC LIBRARY	72,614	0.011528%
L004	CITY OF BARLOW	21,161	0.003359%
L005	CITY OF GLASGOW	943,924	0.149849%
L006	BATH CO WATER DISTRICT	84,429	0.013403%
L007	BELL CO COURT CLERK	61,027	0.009688%
L008	BOONE CO BD OF ED	7,148,519	1.134835%
L009	CITY OF PARIS	1,132,789	0.179831%
L010	FIVCO AREA DEVELOPMT DIST	257,315	0.040849%
L011	DANVILLE BOYLE CO REC	-	0.000000%
L012	BRACKEN COUNTY PUB LIBRAR	31,931	0.005069%
L013	BREATHITT CO PUBLIC LIB	42,642	0.006769%
L014	BRECKINRIDGE CO CLERK OFF	76,802	0.012192%
L015	CITY OF MT WASHINGTON	528,222	0.083856%
L016	BUTLER CO AMBULANCE SVC	137,995	0.021907%
L017	CALDWELL COUNTY EMS	-	0.000000%
L018	MURRAY PUBLIC SCHOOLS	1,064,087	0.168925%
L020	BALLARD/CARLISLE/LIV PB L	-	0.000000%
L021	CITY OF CARROLLTON	336,384	0.053401%
L022	NORTHEAST KY CAA	707,353	0.112293%
L023	CITY OF LIBERTY	193,642	0.030741%
L024	HOPKINSVLE CHRIST LIBRARY	83,521	0.013259%
L025	CITY OF WINCHESTER	582,821	0.092523%
L026	DANIEL BOONE COMM AGENCY	870,768	0.138235%
L027	CITY OF ALBANY	280,104	0.044467%
L028	CRITTENDEN/LIV CO WAT DIS	114,172	0.018125%
L029	CUMBERLAND CO SOIL & WAT	7,845	0.001245%
L031	EDMONSON CO AMBULANCE DIS	76,502	0.012145%
L032	SANDY HOOK WATER DISTRICT	50,003	0.007938%

Kentucky Public Pensions Authority
Schedule A - Schedule of Employer Allocations
Fiscal Year Ended June 30, 2022

County Employees Retirement System (Non-Hazardous)

Employers are presented in order by assigned employer reporting code. There are separate schedules for Non-Hazardous and Hazardous and as such reporting employers may appear on multiple schedules.

Employer Code	Participating Participating Employer Name	Actual FYE 2022 Contributions	2022
			Proportionate Share
(1)	(2)	(3)	(4)
L033	CITY OF IRVINE	138,139	0.021930%
L035	CITY OF FLEMINGSBURG	147,730	0.023452%
L036	FLOYD CO LIBRARY	108,229	0.017181%
L038	FULTON CO LIBRARY	29,634	0.004704%
L039	CITY OF WARSAW	67,955	0.010788%
L041	GRANT CO PUBLIC LIBRARY	76,004	0.012066%
L042	MAYFIELD CITY SCHOOLS	864,883	0.137301%
L043	LEITCHFIELD UTILITY COMM	334,095	0.053038%
L044	GREEN CO AMBULANCE SVC	69,002	0.010954%
L045	RACELAND BOARD OF EDUC	265,413	0.042135%
L046	HANCOCK CO PUBLIC LIBRARY	64,744	0.010278%
L047	WEST POINT INDEPENDENT SC	-	0.000000%
L049	CYNTHIANA/HARRISON LIBRAR	48,035	0.007626%
L050	CITY OF MUNFORDVILLE	61,750	0.009803%
L051	HENDERSON CO WATER DIST	101,718	0.016148%
L052	CITY OF EMINENCE	90,490	0.014365%
L054	DAWSON SPRINGS PUBLIC SCH	184,992	0.029368%
L057	CITY OF NICHOLASVILLE	1,502,965	0.238597%
L058	PAINTSVILLE BD OF ED	208,354	0.033076%
L060	KNOTT CO SOIL CONV DIST	7,631	0.001211%
L061	CITY OF BARBOURVILLE	177,473	0.028174%
L062	CITY OF HODGENVILLE	251,106	0.039863%
L063	LAUREL CO PUBLIC LIB DIST	195,312	0.031006%
L064	LOUISA WATER & SEWER COMM	114,821	0.018228%
L065	LEE CO PUBLIC LIBRARY	24,851	0.003945%
L066	CITY OF HYDEN	30,094	0.004777%
L067	LETCHER COUNTY CONS DIST	8,145	0.001293%
L068	HOUSING AUTH OF VANCEBURG	19,585	0.003109%
L069	STANFORD WATER COMMISSION	126,741	0.020120%
L070	KY WESTERN WATERLAND	-	0.000000%
L071	RUSSELLVILLE CITY SCHOOLS	341,313	0.054184%
L072	CITY OF EDDYVILLE	79,896	0.012684%
L073	CITY OF PADUCAH	1,990,286	0.315960%
L074	HOUSING AUTH MCREARY CO	37,518	0.005956%
L075	CITY OF LIVERMORE	54,157	0.008598%
L076	BEREA BD OF ED	319,932	0.050790%
L077	CITY OF SALYERSVILLE	184,639	0.029312%
L078	MARION FREE PUBLIC LIBRAR	54,642	0.008674%
L079	MARSHALL CO SOIL & WATER	8,004	0.001271%
L080	MARTIN CO CONSERV DIST	5,413	0.000859%
L082	MEADE CO BD OF ED	1,436,429	0.228035%
L083	MENIFEE CO PUBLIC LIBRARY	9,522	0.001512%
L084	BURGIN INDEPENDENT SCH	118,127	0.018753%
L085	METCALFE CO PUBLIC LIB	32,582	0.005172%
L086	CITY OF TOMPKINSVILLE	178,018	0.028261%

The accompanying notes are an integral part of the schedules.

Kentucky Public Pensions Authority
Schedule A - Schedule of Employer Allocations
Fiscal Year Ended June 30, 2022

County Employees Retirement System (Non-Hazardous)

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Employer Code	Participating Participating Employer Name	Actual FYE 2022 Contributions	2022 Proportionate Share
(1)	(2)	(3)	(4)
L087	MONTGOMERY CO SAN DIST #2	22,226	0.003528%
L088	MORGAN COUNTY LIBRARY	31,036	0.004927%
L090	CITY OF NEW HAVEN	21,633	0.003434%
L091	NICHOLAS COUNTY LIBRARY	5,239	0.000832%
L092	OHIO CO WATER DIST	210,125	0.033358%
L093	LAGRANGE UTILITY COMM	131,374	0.020856%
L096	PENDLETON COUNTY WATER	70,958	0.011265%
L099	POWELLS VALLEY WATER DIST	62,776	0.009966%
L100	SCIENCE HILL BD OF ED	137,754	0.021869%
L102	CITY OF MOUNT VERNON	259,351	0.041172%
L103	MOREHEAD UTILITY PLANT BD	481,912	0.076504%
L104	LAKE CUMBERLAND ADD	598,014	0.094935%
L105	GEORGETOWN/SCOTT CO PARKS	195,670	0.031063%
L106	TRIPLE S PLANNING & ZONIN	39,399	0.006255%
L107	CITY OF FRANKLIN	504,398	0.080074%
L108	SPENCER CO FIRE DIST	10,426	0.001655%
L109	CAMPBELLSVILLE CITY SCHOO	395,835	0.062839%
L110	CITY OF ELKTON	151,814	0.024101%
L111	HOUSING AUTH OF CADIZ	27,956	0.004438%
L112	CITY OF BEDFORD	28,092	0.004460%
L113	UNION CO PLANNING COMM	14,126	0.002243%
L114	WARREN COUNTY BD OF ED	4,730,962	0.751045%
L115	WASHINGTON CO SCHOOLS	573,849	0.091099%
L118	CORBIN BD OF ED	678,599	0.107728%
L119	CITY OF CAMPTON	77,318	0.012274%
L120	FALLING SPRINGS ARTS	123,682	0.019635%
L141	CORINTH WATER DISTRICT	20,871	0.003313%
L156	CITY OF LYNDON	48,603	0.007716%
L159	ELSMERE FIRE PROTECTION	13,904	0.002207%
L256	CITY OF HURSTBOURNE	33,404	0.005303%
L259	KY CRIME PREVENT COALITIO	-	0.000000%
L356	EASTWOOD FIRE PROT DIST	-	0.000000%
L456	HARRODS CREEK FIRE DIST	-	0.000000%
L656	FERN CREEK FIRE PROT DIST	29,086	0.004617%
L756	PLEASURE RIDGE PARK FIRE	57,867	0.009186%
L959	NORTHERN KY CONV CTR CORP	287,853	0.045697%
M001	COLUMBIA/ADAIR UTILITIES	213,010	0.033815%
M003	LAWBG-ANDERSON PLAN COMM	4,123	0.000654%
M005	GLASGOW WATER COMPANY	588,127	0.093366%
M006	GATEWAY AREA DEV DISTRICT	195,414	0.031022%
M007	MIDDLESBORO CITY SCHOOL	350,664	0.055668%
M008	WALTON/VERONA BD OF ED	551,943	0.087622%
M009	PARIS BOURBON CO LIBRARY	84,113	0.013353%
M010	BOYD CO BD OF ED	1,533,886	0.243506%
M011	BOYLE COUNTY BD OF EDUC	676,856	0.107452%

Kentucky Public Pensions Authority
Schedule A - Schedule of Employer Allocations
Fiscal Year Ended June 30, 2022

County Employees Retirement System (Non-Hazardous)

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Employer Code	Participating Participating Employer Name	Actual FYE 2022 Contributions	2022
			Proportionate Share
(1)	(2)	(3)	(4)
M012	EAST PENDLETON WATER DIST	73,208	0.011622%
M013	BREATHITT CO SOIL CONSERV	5,795	0.000920%
M014	CITY OF HARDINSBURG	45,862	0.007281%
M015	BULLITT CO FISCAL COURT	1,559,185	0.247522%
M017	CITY OF FREDONIA	6,178	0.000981%
M018	CALLOWAY CO PUBLIC LIBRAR	75,351	0.011962%
M019	CAMPBELL CO COURTHOUSE	17,919	0.002845%
M020	CITY OF BARDWELL	107,931	0.017134%
M021	CARROLL CO WATER DISTRICT	117,695	0.018684%
M022	CITY OF OLIVE HILL	203,135	0.032248%
M023	E CASEY CO WATER DISTRICT	58,921	0.009354%
M024	CHRISTIAN CO BD OF ED	2,960,914	0.470048%
M025	WINCHESTER MUNICIPAL UTIL	750,344	0.119118%
M026	CLAY COUNTY 911 BOARD	64,637	0.010261%
M027	HOUSING AUTH OF ALBANY	37,190	0.005904%
M029	CUMBERLAND CO FISCAL CT	254,182	0.040352%
M030	DAVIESS CO BD OF EDUC	4,025,805	0.639101%
M031	EDMONSON CO CONSERV DIST	6,202	0.000985%
M033	IRVINE MUNICIPAL UTILITY	169,647	0.026932%
M034	FAYETTE CO BD EDUCATION	15,665,743	2.486953%
M035	FLEMING COUNTY LIBRARY	36,404	0.005779%
M037	FRANKLIN CO BD OF ED	2,494,420	0.395992%
M038	HICKMAN/FULTON RIV PRT AU	69,347	0.011009%
M039	GALLATIN CO WATER DIS	64,562	0.010249%
M040	GARRARD CO PUBLIC LIBRARY	40,921	0.006496%
M041	GRANT CO BD OF ED	1,152,182	0.182910%
M042	CITY OF MAYFIELD	226,950	0.036029%
M043	CITY OF CANEYVILLE	15,831	0.002513%
M044	GREEN/TAYLOR WATER DIST	106,914	0.016973%
M045	CITY OF FLATWOODS	288,440	0.045790%
M046	CITY OF LEWISPORT	161,630	0.025659%
M047	HARDIN CO PUBLIC LIBRARY	71,982	0.011427%
M048	CITY OF BENHAM	30,999	0.004921%
M049	HARRISON CO CONSERVA DIST	16,010	0.002542%
M050	HART CO CONSERVATION DIST	10,341	0.001642%
M051	HENDERSON CO BD OF ED	2,438,147	0.387058%
M052	HENRY CO LIBRARY	36,052	0.005723%
M054	CITY OF DAWSON SPRINGS	125,864	0.019981%
M056	JEFF CO MED CTR STM & CHL	267,904	0.042530%
M057	NICH-VLE/JESS CO PK & REC	80,614	0.012798%
M058	CITY OF PAINTSVILLE	637,757	0.101245%
M059	KENTON COUNTY FISCAL CT	2,293,517	0.364098%
M060	CITY OF HINDMAN	13,732	0.002180%
M061	KNOX CO E M S	331,170	0.052574%
M062	LARUE CO WATER DIST #1	52,892	0.008397%

Kentucky Public Pensions Authority
Schedule A - Schedule of Employer Allocations
Fiscal Year Ended June 30, 2022

County Employees Retirement System (Non-Hazardous)

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Employer Code	Participating Participating Employer Name	Actual FYE 2022 Contributions	2022
			Proportionate Share
(1)	(2)	(3)	(4)
M064	HOUSING AUTH/ LAWRENCE CO	38,521	0.006115%
M065	LEE CO SOIL CONSERV DIST	8,607	0.001366%
M067	JENKINS BD OF ED	119,527	0.018975%
M068	CITY OF VANCEBURG	95,071	0.015093%
M069	CITY OF STANFORD	42,205	0.006700%
M070	LEDBETTER WATER DISTRICT	58,227	0.009244%
M073	W MCCRACKEN CO WATER DIST	14,391	0.002285%
M075	CITY OF SACRAMENTO	44,610	0.007082%
M076	CITY OF RICHMOND	1,238,523	0.196617%
M077	MAGOFFIN CO COURT CLERK	52,680	0.008363%
M078	LEBANON WATER WORKS	170,795	0.027114%
M079	MARSHALL CO REF DISP DIST	152,684	0.024239%
M080	MARTIN CO HOUSING AUTH	-	0.000000%
M081	CITY OF MAYSVILLE	809,883	0.128570%
M082	CITY OF BRANDENBURG	120,627	0.019150%
M084	MERCER CO BOARD OF ED	821,095	0.130350%
M085	CITY OF EDMONTON	186,351	0.029583%
M087	MT STERL/MONTGOMERY LIB	79,409	0.012606%
M088	MORGAN CO CONSERVAT DIST	7,469	0.001186%
M090	BARDSTOWN BD OF ED	1,173,448	0.186286%
M091	NICHOLAS CO WATER DIST	32,705	0.005192%
M092	CITY OF BEAVER DAM	193,812	0.030768%
M093	OLDHAM CO WATER DIST	277,643	0.044076%
M096	CITY OF FALMOUTH	201,790	0.032034%
M097	E KY CONCEN EMPLOY PRO	530,332	0.084191%
M098	PIKE CO HOUSING AUTHORITY	45,802	0.007271%
M099	BEECH FORK WATER COMM	80,264	0.012742%
M100	PULASKI CO BD OF ED	2,620,031	0.415933%
M104	RUSSELL CO PUBLIC LIBRARY	56,340	0.008944%
M105	SCOTT COUNTY LIBRARY	219,028	0.034771%
M106	SHELBY CO BD OF ED	2,318,311	0.368034%
M107	FRANKLIN ELECTRIC PLNT BD	319,432	0.050710%
M108	SPENCER CO PUBLIC LIB	56,195	0.008921%
M109	CITY OF CAMPBELLSVILLE	538,168	0.085435%
M110	CITY OF GUTHRIE	109,273	0.017347%
M111	TRIGG CO CONS DISTRICT	8,729	0.001386%
M112	CITY OF MILTON	67,458	0.010709%
M113	CITY OF STURGIS	137,472	0.021824%
M115	WASHINGTON CO LIBRARY BD	35,974	0.005711%
M116	WAYNE CO PUBLIC LIBRARY	45,198	0.007175%
M117	WEBSTER CO BD OF ED	784,761	0.124582%
M118	WHITLEY CO FISCAL COURT	1,063,963	0.168905%
M119	WOLFE CO FISCAL COURT	335,683	0.053290%
M120	WOODFORD COUNTY LIBRARY	120,258	0.019091%
M215	SHEPHER/BULLIT CO TOURIST	118,501	0.018812%

Kentucky Public Pensions Authority
Schedule A - Schedule of Employer Allocations
Fiscal Year Ended June 30, 2022

County Employees Retirement System (Non-Hazardous)

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Employer Code	Participating Participating Employer Name	Actual FYE 2022 Contributions	2022
			Proportionate Share
(1)	(2)	(3)	(4)
M315	CITY OF PIONEER VILLAGE	11,177	0.001774%
M356	MIDDLETOWN FIRE PROT DIST	-	0.000000%
M415	BULLITT CO SANITATION DIS	75,999	0.012065%
N001	ADAIR CO CONSERVATION DIS	22,842	0.003626%
N006	HOUSING AUTH OWINGSVILLE	21,218	0.003368%
N007	PINEVILLE BD OF EDUCATION	140,814	0.022354%
N008	CITY OF FLORENCE	1,149,396	0.182468%
N009	CITY OF MILLERSBURG	11,328	0.001798%
N010	BOYD CO PUBLIC LIBRARY	157,929	0.025071%
N011	CITY OF PERRYVILLE	6,195	0.000984%
N012	CITY OF BROOKSVILLE	61,626	0.009783%
N013	MIDDLE KY COMM ACT PART	521,725	0.082824%
N014	CITY OF IRVINGTON	43,086	0.006840%
N015	BULLITT CO CONSERVAT DIST	7,527	0.001195%
N017	PRINCETON ELECTRIC PL BD	321,092	0.050974%
N018	MURRAY/CALLOWAY CO AIRPRT	10,552	0.001675%
N020	CARLISLE CO SANIT DIST 1	19,740	0.003134%
N021	CARROLLTON UTILITIES COMM	356,777	0.056639%
N022	CITY OF GRAYSON	76,085	0.012079%
N025	EAST CLARK CO WATER DIST	74,298	0.011795%
N029	CUMBERLAND CO PUBLIC LIB	27,156	0.004311%
N033	ESTILL CO WATER DIST NO 1	75,155	0.011931%
N035	HOUSING AUTH FLEMINGSBURG	10,060	0.001597%
N036	PRESTONSBURG CITY UTIL	599,004	0.095093%
N037	FRANKFORT INDEP SCHOOLS	330,050	0.052396%
N038	HOUSING AUTH OF HICKMAN	42,659	0.006772%
N041	BULLOCK PEN WATER DIST	181,002	0.028734%
N042	PURCHASE AREA DEV DIST	472,816	0.075060%
N043	GRAYSON CO LIBRARY	51,601	0.008192%
N044	HOUSING AUTH OF GREENSBUR	-	0.000000%
N045	KENTUCKY ED DEV CORP	191,887	0.030462%
N047	ELIZABETHTOWN BD OF EDUC	660,733	0.104892%
N049	CYNTHIANA HARRISON CO JPC	22,184	0.003522%
N050	CITY OF HORSE CAVE	96,239	0.015278%
N051	CITY OF HENDERSON	1,725,216	0.273880%
N052	CITY OF NEW CASTLE	35,878	0.005696%
N054	CITY OF MADISONVILLE	2,218,440	0.352180%
N057	NICHOLASVILLE HOUSING AUT	14,299	0.002270%
N058	JOHNSON CO LIBRARY	66,891	0.010619%
N060	KNOTT CO WATER & SEWER	139,390	0.022128%
N061	KNOX CO SOIL CONSERV DIS	8,562	0.001359%
N063	CUMBERLAND VAL AREA DEV	230,523	0.036596%
N065	THREE FORKS REG JAIL	270,152	0.042887%
N067	HOUSING ORIENTED MINISTRI	93,836	0.014897%
N068	GAR,QUI,KY-O-HTS WTR DIST	51,998	0.008255%

Kentucky Public Pensions Authority
Schedule A - Schedule of Employer Allocations
Fiscal Year Ended June 30, 2022

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Employer Code	Participating Participating Employer Name	Actual FYE 2022 Contributions	2022
			Proportionate Share
(1)	(2)	(3)	(4)
N069	CITY OF CRAB ORCHARD	10,202	0.001620%
N071	CITY OF AUBURN	89,578	0.014221%
N072	LYON CO AMBULANCE SERVICE	159,963	0.025394%
N075	CITY OF ISLAND	29,393	0.004666%
N076	MADISON CO EMS	20,381	0.003236%
N077	MAGOFFIN CO WATER DIST	83,732	0.013292%
N078	CENTRAL KY COMM ACTION	1,485,790	0.235871%
N079	BENTON ELECTRIC SYSTEM	190,117	0.030181%
N080	MARTIN CO WATER DISTRICT	-	0.000000%
N081	BUFFALO TRACE AR DEV DIST	361,006	0.057310%
N082	MEADE CO WATER DISTRICT	108,341	0.017199%
N084	MERCER CO PUBLIC LIBRARY	94,357	0.014979%
N085	METCALFE CO CONSERV DIST	7,167	0.001138%
N087	CITY OF MT STERLING	242,274	0.038461%
N088	MORGAN CO AMBULANCE SERV	81,209	0.012892%
N089	MUHLENBERG CO WATER DIST	169,294	0.026876%
N090	BARDSTOWN-NELSON CO TOURI	50,892	0.008079%
N092	CITY OF HARTFORD	173,723	0.027579%
N093	CITY OF LAGRANGE	164,936	0.026184%
N094	CITY OF OWENTON	18,095	0.002873%
N097	KY VALLEY ED COOPERATIVE	32,066	0.005091%
N098	PIKE CO LIBRARY DISTRICT	200,218	0.031785%
N099	CITY OF CLAY CITY	57,690	0.009158%
N100	CITY OF BURNSIDE	61,093	0.009699%
N103	HOUSING AUTH OF MOREHEAD	84,272	0.013378%
N104	CITY OF JAMESTOWN	259,387	0.041178%
N106	W SHELBY WATER DISTRICT	55,448	0.008802%
N107	SIMPSON CO CONSER DIST	6,533	0.001037%
N110	LOGAN/TODD REG. WATER COM	138,648	0.022011%
N111	BARKLEY LAKE WATER DIST	159,190	0.025272%
N112	TRIMBLE CO WATER DIST	30,902	0.004906%
N113	UNION CO LIBRARY BD	59,366	0.009424%
N114	BOWLING GRN MUNICIPAL UTI	3,259,160	0.517395%
N115	WASHINGTON CO CONSER DIST	7,253	0.001151%
N116	MONTICELLO UTILITY COMM	283,788	0.045052%
N117	CITY OF DIXON	22,322	0.003544%
N118	CITY OF WILLIAMSBURG	540,019	0.085729%
N119	WOLFE CO CONSER DISTRICT	10,027	0.001592%
N120	WOODFORD CO PLAN ZONING	62,545	0.009929%
N959	N KY CONV & VISITORS BUR	148,734	0.023612%
P001	HOUSING AUTH OF COLUMBIA	21,285	0.003379%
P005	GLASGOW ELECTRIC PLANT BD	931,107	0.147814%
P006	BATH COUNTY E.M.S.	108,137	0.017167%
P007	CITY OF PINEVILLE	76,354	0.012121%
P008	BOONE CO PLANNING COMM	235,890	0.037448%

**Kentucky Public Pensions Authority
Schedule A - Schedule of Employer Allocations
Fiscal Year Ended June 30, 2022**

County Employees Retirement System (Non-Hazardous)

Employers are presented in order by assigned employer reporting code. There are separate schedules for Non-Hazardous and Hazardous and as such reporting employers may appear on multiple schedules.

Employer Code	Participating Participating Employer Name	Actual FYE 2022 Contributions	2022 Proportionate Share
(1)	(2)	(3)	(4)
P009	HOUSING AUTHORITY PARIS	45,351	0.007200%
P010	REGIONAL PUBLIC SAFETY	181,419	0.028800%
P011	CITY OF JUNCTION CITY	33,463	0.005312%
P013	CITY OF JACKSON	320,747	0.050919%
P014	BRECKINRIDGE CO PUBLIC LI	58,496	0.009286%
P015	CITY OF LEBANON JUNCTION	61,990	0.009841%
P017	PRINCETON WATER/WASTEWATE	161,909	0.025703%
P018	MURRAY/CALLOWAY TRANS AUT	93,360	0.014821%
P022	RATTLESNAKE RIDGE WATER	149,673	0.023761%
P023	LIBERTY TOURISM	10,737	0.001704%
P025	CLARK CO CONSVATION DIST	5,477	0.000869%
P033	ESTILL COUNTY EMS	-	0.000000%
P035	FLEMING CO DISPATCH	44,464	0.007059%
P037	COMMUNITY ACTION KENTUCKY	179,442	0.028487%
P038	HICKMAN ELECTRIC SYSTEM	93,359	0.014821%
P041	CITY OF DRY RIDGE	66,956	0.010629%
P043	CITY OF CLARKSON	39,885	0.006332%
P045	GREENUP CO ENVIR COMM	33,112	0.005257%
P047	CITY OF WEST POINT	34,735	0.005514%
P048	HARLAN COUNTY C A A	304,097	0.048276%
P049	HOUSING AUTHORITY OF CYNT	92,676	0.014712%
P050	HART CO SOLID WASTE SVC	186,545	0.029614%
P051	HENDERSON MUN POWER&LIGHT	860,781	0.136650%
P052	LITTLE KY RV WS CONV DIST	15,126	0.002401%
P054	HOUSING AUTH DAWSON SPG	64,554	0.010248%
P057	VALLEY VIEW FERRY AUTHORI	37,399	0.005937%
P061	BARBOURVILLE UTILITY COMM	615,665	0.097738%
P063	LAUREL CO WATER DIST #2	188,717	0.029959%
P068	LEWIS CO PUBLIC LIBRARY	22,545	0.003579%
P069	LINCOLN CO CLERK	99,821	0.015847%
P071	LOGAN CO CONS DISTRICT	21,017	0.003337%
P072	LYON CO WATER DISTRICT	33,315	0.005289%
P075	MCLEAN CO REG WATER COMM	53,399	0.008477%
P076	MADISON CO PUBLIC LIBRARY	261,204	0.041466%
P077	SALYERS/MAG CO JOINT HOUS	30,046	0.004770%
P078	MARION CO CONSERVAT DIST	7,135	0.001133%
P079	CITY OF CALVERT CITY	300,743	0.047743%
P081	MASON COUNTY LIBRARY	36,393	0.005777%
P084	ANDERSON-DEAN COMM PARK	12,256	0.001946%
P087	MONTGOMERY CTY WATER DIST	12,996	0.002063%
P088	MORGAN CO WATER DIST	69,286	0.010999%
P089	MUHLENBERG WATER DIST #3	63,048	0.010009%
P090	NORTH NELSON WATER DIST	50,025	0.007942%
P092	OHIO CO REG WASTEWATER D	59,339	0.009420%
P097	KY RIVER AREA DEV DIST	360,156	0.057175%

**Kentucky Public Pensions Authority
Schedule A - Schedule of Employer Allocations
Fiscal Year Ended June 30, 2022**

County Employees Retirement System (Non-Hazardous)

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Employer Code	Participating Participating Employer Name	Actual FYE 2022 Contributions	2022 Proportionate Share
(1)	(2)	(3)	(4)
P100	LAKE CUMBERLAND CAA, INC	943,231	0.149739%
P103	MOREHEAD TOURISM COMMISSI	58,227	0.009244%
P104	RUSSELL CO TOURIST COMM	15,397	0.002444%
P105	GEORGETOWN/SCOTT TOURISM	29,991	0.004761%
P106	MULTI PURPOSE COMM ACTION	92,181	0.014634%
P107	SIMPSON CO LIBRARY DIST	48,881	0.007760%
P110	TODD COUNTY CONSERVATION DISTRICT	10,424	0.001655%
P111	JOHN L STREET LIBRARY	25,346	0.004024%
P113	STURGIS HOUSING AUTHORITY	14,246	0.002262%
P115	HOUSING AUTH SPRINGFIELD	20,182	0.003204%
P116	CITY OF MONTICELLO	97,073	0.015410%
P117	CITY OF CLAY	78,056	0.012391%
P120	WOODFORD CO CONSERV DIST	16,795	0.002666%
P959	CITY OF CRESTVIEW HILLS	57,482	0.009125%
R003	SOUTH ANDERSON WATER DIST	57,797	0.009175%
R005	BARREN CO SOIL CONS DIS	7,347	0.001166%
R008	BOONE CO LIBRARY DIST	735,271	0.116725%
R010	ASHLAND BD OF ED	1,074,210	0.170532%
R011	DANVILLE BOYLE PLANNING	20,730	0.003291%
R013	BREATHITT COUNTY WATER DISTRICT	45,351	0.007200%
R015	CITY OF SHEPHERDSVILLE	327,706	0.052024%
R017	CITY OF PRINCETON	127,102	0.020178%
R018	MURRAY ELECTRIC SYSTEM	649,497	0.103108%
R019	FORT THOMAS BOARD OF ED	787,488	0.125015%
R021	CARROLLTON/CARR CO REC TR	12,380	0.001965%
R024	CHRISTIAN CO WATER DIST	137,882	0.021889%
R030	DAVIESS CO AIRPORT BD	54,866	0.008710%
R033	CITY OF RAVENNA	14,771	0.002345%
R034	LEXINGTON PUBLIC LIBRARY	1,197,948	0.190176%
R036	CITY OF PRESTONSBURG	634,857	0.100784%
R037	PAUL SAWYIER LIBRARY	260,388	0.041337%
R038	CITY OF FULTON	298,075	0.047320%
R041	CITY OF CRITTENDEN	23,903	0.003795%
R042	MAYFIELD ELEC & WATER SYS	945,320	0.150071%
R045	CITY OF RUSSELL	230,503	0.036593%
R047	LINCOLN TRAIL AREA DEV DI	360,723	0.057265%
R048	HARLAN CO CONSERV DIST	9,648	0.001532%
R050	HART CO AMB SERVICE	242,323	0.038469%
R051	HENDERSON MUN W & S DEPT	891,012	0.141449%
R052	CITY OF CAMPBELLSBURG	13,969	0.002218%
R054	SOUTH HOPKINS WATER DIST	63,284	0.010046%
R057	CITY OF WILMORE	225,431	0.035787%
R058	HOUSING AUTH OF PAINTSVLE	117,301	0.018622%
R061	KY COMM ECONOMIC OPPORT	1,762,663	0.279825%
R063	WOODCREEK WATER DISTRICT	538,799	0.085535%

Kentucky Public Pensions Authority
Schedule A - Schedule of Employer Allocations
Fiscal Year Ended June 30, 2022

County Employees Retirement System (Non-Hazardous)

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Employer Code	Participating Participating Employer Name	Actual FYE 2022 Contributions	2022
			Proportionate Share
(1)	(2)	(3)	(4)
R071	LOGAN CO PUBLIC LIBRARY	112,860	0.017917%
R072	LYON CO HOUSING AUTHORITY	59,840	0.009500%
R073	MCCRACKEN CO BD OF ED	2,244,839	0.356370%
R076	RICHMOND UTILITIES	757,356	0.120231%
R078	CITY OF LORETTO	5,795	0.000920%
R079	MARSHALL CO PUB LIBRARY	172,191	0.027335%
R088	CITY OF WEST LIBERTY	311,922	0.049518%
R089	CENTRAL CITY MUN WTR&SEWR	242,798	0.038544%
R090	NELSON CO PUBLIC LIBRARY	254,581	0.040415%
R093	TRI CO COMM ACTION AGENCY	62,030	0.009847%
R097	PERRY COUNTY PUBLIC LIB	133,384	0.021175%
R103	ROWAN CO PUBLIC LIBRARY	92,543	0.014691%
R104	CITY OF RUSSELL SPRINGS	236,411	0.037531%
R105	CITY OF STAMPING GROUND	5,309	0.000843%
R106	SHELBY CO PARK RECREATION	105,975	0.016824%
R109	TAYLOR CO PUBLIC LIBRARY	67,258	0.010677%
R114	BOWLING GREEN PUBLIC SCHO	1,507,953	0.239389%
R115	S W E D A	15,035	0.002387%
R116	WAYNE CO CONSERV DIST	13,411	0.002129%
R117	WEBSTER COUNTY WATER DIST	96,406	0.015305%
R118	WILLIAMSBURG IND BD OF ED	237,737	0.037741%
R120	CITY OF MIDWAY	73,818	0.011719%
R959	N KY LEGAL AID SOCIETY	654,250	0.103863%
T036	FLOYD COUNTY CONSV DIST	24,032	0.003815%
V001	ADAIR COUNTY FISCAL COURT	504,027	0.080015%
V002	ALLEN COUNTY FISCAL COURT	550,073	0.087325%
V003	ANDERSON CO FISCAL COURT	756,570	0.120106%
V004	BALLARD COUNTY FISCAL CT	587,824	0.093318%
V005	BARREN CO FISCAL CT	406,725	0.064568%
V006	BATH CO FISCAL COURT	320,843	0.050934%
V007	BELL CO FISCAL CT	520,815	0.082680%
V008	BOONE CO FISCAL CT	2,490,992	0.395448%
V009	BOURBON CO FISCAL COURT	604,018	0.095888%
V010	BOYD COUNTY FISCAL COURT	1,826,712	0.289992%
V011	BOYLE COUNTY FISCAL COURT	794,502	0.126128%
V012	BRACKEN CO FISCAL COURT	327,435	0.051981%
V013	BREATHITT CO FISCAL COURT	328,983	0.052226%
V014	BRECKINRIDGE CO FISCAL CT	589,512	0.093586%
V016	BUTLER COUNTY FISCAL CT	526,089	0.083517%
V017	CALDWELL CO FISCAL COURT	348,361	0.055303%
V018	CALLOWAY CO FISCAL COURT	928,513	0.147402%
V019	CAMPBELL CO FISCAL CT	1,963,786	0.311753%
V020	CARLISLE CO FISCAL COURT	260,834	0.041408%
V021	CARROLL CO FISCAL CT	670,687	0.106472%
V022	CARTER CO FISCAL CT	949,033	0.150660%

**Kentucky Public Pensions Authority
Schedule A - Schedule of Employer Allocations
Fiscal Year Ended June 30, 2022**

County Employees Retirement System (Non-Hazardous)

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Employer Code	Participating Participating Employer Name	Actual FYE 2022 Contributions	2022
			Proportionate Share
(1)	(2)	(3)	(4)
V023	CASEY CO FISCAL COURT	525,668	0.083450%
V024	CHRISTIAN CO FISCAL COURT	801,235	0.127197%
V025	CLARK COUNTY FISCAL COURT	803,294	0.127524%
V026	CLAY COUNTY FISCAL CT	1,152,083	0.182894%
V027	CLINTON CO FISCAL COURT	408,590	0.064864%
V028	CRITTENDEN CO FIS CT	529,760	0.084100%
V030	DAVIESS CO FISCAL COURT	1,540,882	0.244617%
V031	EDMONSON CO FISCAL CRT	436,972	0.069370%
V032	ELLIOTT CO FISCAL CT	196,638	0.031216%
V033	ESTILL CO FISCAL COURT	492,668	0.078212%
V035	FLEMING CO FISCAL COURT	299,320	0.047517%
V036	FLOYD CO FISCAL COURT	939,493	0.149145%
V037	FRANKLIN CO FISCAL COURT	1,247,368	0.198021%
V038	FULTON COUNTY FIS CT	651,865	0.103484%
V039	GALLATIN CO FISCAL COURT	517,779	0.082198%
V040	GARRARD CO FISCAL COURT	553,268	0.087832%
V041	GRANT COUNTY FISCAL COURT	775,410	0.123097%
V042	GRAVES COUNTY FISCAL CT	980,810	0.155705%
V043	GRAYSON CO FISCAL COURT	1,114,344	0.176903%
V044	GREEN COUNTY FISCAL COURT	189,851	0.030139%
V045	GREENUP CO FISCAL CT	1,075,432	0.170726%
V046	HANCOCK CO FISCAL COURT	553,057	0.087798%
V047	HARDIN CO FISCAL COURT	836,377	0.132776%
V048	HARLAN CO FIS CT	848,781	0.134745%
V049	HARRISON CO FISCAL COURT	337,561	0.053588%
V050	HART COUNTY FISCAL COURT	640,356	0.101657%
V051	HENDERSON CO FISCAL COURT	1,510,731	0.239830%
V052	HENRY CO FISCAL COURT	287,367	0.045620%
V053	HICKMAN CO FISCAL COURT	261,848	0.041569%
V054	HOPKINS CO FISCAL COURT	1,080,635	0.171552%
V055	JACKSON CO FISCAL COURT	621,759	0.098705%
V057	JESSAMINE CO FISCAL COURT	1,472,805	0.233809%
V060	KNOTT CO FISCAL CT	393,854	0.062525%
V061	KNOX CO FISCAL CT	881,003	0.139860%
V062	LARUE CO FISCAL COURT	526,155	0.083528%
V063	LAUREL COUNTY FISCAL COUR	1,570,280	0.249284%
V064	LAWRENCE CO FISCAL CT	607,494	0.096440%
V065	LEE COUNTY FISCAL COURT	482,192	0.076548%
V066	LESLIE CO FISCAL COURT	608,590	0.096614%
V067	LETCHER CO FISCAL COURT	513,833	0.081572%
V068	LEWIS COUNTY FISCAL COURT	388,975	0.061750%
V069	LINCOLN CO FISCAL COURT	366,559	0.058192%
V070	LIVINGSTON CO FISCAL CT	488,850	0.077605%
V071	LOGAN COUNTY FISCAL COURT	924,600	0.146781%
V072	LYON COUNTY FISCAL COURT	228,725	0.036310%

Kentucky Public Pensions Authority
Schedule A - Schedule of Employer Allocations
Fiscal Year Ended June 30, 2022

County Employees Retirement System (Non-Hazardous)

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Employer Code	Participating Participating Employer Name	Actual FYE 2022 Contributions	2022
			Proportionate Share
(1)	(2)	(3)	(4)
V073	MCCRACKEN CO FISCAL COURT	876,495	0.139144%
V074	MCCREARY CO FISCAL CT	687,062	0.109072%
V075	MCLEAN COUNTY FISCAL CT	467,964	0.074290%
V076	MADISON CO FISCAL COURT	1,331,970	0.211452%
V077	MAGOFFIN CO FISCAL COURT	302,975	0.048098%
V078	MARION CO FISCAL COURT	1,155,258	0.183399%
V079	MARSHALL CO FISCAL COURT	965,461	0.153268%
V080	MARTIN CO FISCAL COURT	378,637	0.060109%
V081	MASON CO FIS CT	753,414	0.119605%
V082	MEADE COUNTY FISCAL COURT	1,435,855	0.227944%
V083	MENIFEE CO FISCAL COURT	216,792	0.034416%
V084	MERCER COUNTY FISCAL COUR	474,818	0.075378%
V085	METCALFE CO FISCAL COURT	258,046	0.040965%
V086	MONROE CO FISCAL COURT	230,341	0.036567%
V087	MONTGOMERY CO FISCAL CT	857,258	0.136091%
V088	MORGAN CO FISCAL CT	371,587	0.058990%
V089	MUHLENBERG CO FISCAL CT	1,193,337	0.189443%
V090	NELSON CO FISCAL CT	1,560,554	0.247740%
V091	NICHOLAS CO FISCAL COURT	359,024	0.056995%
V092	OHIO COUNTY FISCAL CRT	739,660	0.117422%
V093	OLDHAM CO FISCAL COURT	1,061,251	0.168475%
V094	OWEN COUNTY FISCAL COURT	508,932	0.080794%
V095	OWSLEY CO FISCAL COURT	182,908	0.029037%
V096	PENDLETON CO FISCAL COURT	343,681	0.054560%
V097	PERRY COUNTY FISCAL COURT	954,643	0.151551%
V098	PIKE COUNTY FISCAL COURT	1,951,212	0.309757%
V099	POWELL CO FISCAL CT	805,329	0.127847%
V100	PULASKI CO FISCAL CT	1,728,767	0.274444%
V101	ROBERTSON CO FISCAL CT	110,987	0.017619%
V102	ROCKCASTLE CO FISCAL CT	618,234	0.098145%
V103	ROWAN CO FISCAL COURT	990,623	0.157262%
V104	RUSSELL CO FISCAL COURT	673,476	0.106915%
V105	SCOTT CO FISCAL CT	1,003,859	0.159364%
V106	SHELBY CO FISCAL COURT	843,063	0.133837%
V107	SIMPSON CO FISCAL COURT	686,236	0.108941%
V108	SPENCER CO TREASURER	348,618	0.055343%
V109	TAYLOR COUNTY FISCAL COUR	704,734	0.111877%
V110	TODD COUNTY FISCAL COURT	464,826	0.073792%
V111	TRIGG COUNTY FISCAL COURT	530,898	0.084281%
V112	TRIMBLE CO FISCAL COURT	305,544	0.048505%
V113	UNION COUNTY FISCAL COURT	688,373	0.109280%
V114	WARREN COUNTY FISCAL COUR	2,119,906	0.336537%
V115	WASHINGTON CO FIS COURT	422,794	0.067119%
V116	WAYNE COUNTY FISCAL COURT	1,038,850	0.164919%
V117	WEBSTER CO FISCAL COURT	605,537	0.096130%

**Kentucky Public Pensions Authority
Schedule A - Schedule of Employer Allocations
Fiscal Year Ended June 30, 2022**

County Employees Retirement System (Non-Hazardous)

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Employer Code	Participating Participating Employer Name	Actual FYE 2022 Contributions	2022 Proportionate Share
(1)	(2)	(3)	(4)
V119	CITY OF HIGHLAND HEIGHTS	127,722	0.020276%
V120	WOODFORD CO FISCAL COURT	675,573	0.107248%
V122	FAMILY HEALTH CENTER	4,165,849	0.661333%
V125	LOUISVILLE MEM COMM	33,459	0.005312%
V126	LOU & JEFF CO RIVERPORT	20,502	0.003255%
V127	LOU LABOR MANAGER COM	15,405	0.002446%
V129	T A R C	7,352,034	1.167143%
V130	ANCHORAGE BD OF EDUCATION	205,168	0.032571%
V136	MOUNTAIN ARTS CENTER	-	0.000000%
V137	FRANKLIN CO CONS DIST	11,306	0.001795%
V145	CITY OF WURLAND	20,778	0.003298%
V147	HARDIN CO WATER DIST #2	927,623	0.147261%
V151	HOUSING AUTH OF HENDERSON	249,429	0.039597%
V156	JEFF CO BD OF ED	49,035,319	7.784391%
V158	BIG SANDY AREA COMM PRO	447,833	0.071094%
V159	CITY OF ERLANGER	428,238	0.067983%
V163	EAST BERNSTADT BD OF ED	91,645	0.014549%
V171	CITY OF ADAIRVILLE	42,260	0.006709%
V176	MADISON CO CONSERVAT DIST	9,339	0.001483%
V179	MARSHALL CO SEN CITIZENS	-	0.000000%
V189	CITY OF CENTRAL CITY	338,611	0.053755%
V196	CITY OF BUTLER	10,555	0.001676%
V197	CITY OF HAZARD	849,475	0.134855%
V198	MOUNTAIN WATER DISTRICT	496,749	0.078859%
V200	PULASKI COUNTY LIBRARY	120,520	0.019133%
V205	BARREN/METCALFE CO AMB SR	39,072	0.006203%
V206	SHELBYVLE MUN WATER&SEWER	335,288	0.053227%
V207	BELL CO PUBLIC LIBRARY	64,350	0.010216%
V208	CITY OF WALTON	104,603	0.016606%
V218	MURRAY TOURISM COMMISSION	21,799	0.003461%
V219	BELLEVUE BD OF EDUCATION	259,121	0.041136%
V224	PENNYROYAL AREA MUSEUM	10,715	0.001701%
V230	OWENSBORO RIVERPORT AUTH	616,191	0.097821%
V236	BIG SANDY AREA DEV DIST	502,064	0.079703%
V237	BLUE GRASS COMM ACTION	1,306,351	0.207385%
V247	HARDIN CO WATER DIST #1	888,362	0.141028%
V251	HENDERSON CO RIVER AUTH	178,398	0.028321%
V259	KENTON CO PUBLIC LIBRARY	1,175,478	0.186608%
V263	LAUREL CO BD OF EDUCATION	2,219,602	0.352364%
V271	RUSSELLVILLE ELEC PL BD	303,939	0.048251%
V281	HOUSING AUTH OF MAYSVILLE	94,432	0.014991%
V298	CITY OF PIKEVILLE	802,437	0.127388%
V300	HOUSING AUTH OF SOMERSET	109,187	0.017334%
V305	CITY OF CAVE CITY	141,995	0.022542%
V306	HOUSING AUTH OF SHELBYVLE	23,469	0.003726%

**Kentucky Public Pensions Authority
Schedule A - Schedule of Employer Allocations
Fiscal Year Ended June 30, 2022**

County Employees Retirement System (Non-Hazardous)

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Employer Code	Participating Participating Employer Name	Actual FYE 2022 Contributions	2022
			Proportionate Share
(1)	(2)	(3)	(4)
V308	NORTHERN KY AREA DEV.DIST	723,707	0.114889%
V319	CAMPBELL CO BD OF ED	1,989,215	0.315790%
V324	CHRISTIAN CO CONS DIST	10,815	0.001717%
V330	CITY OF OWENSBORO	2,625,010	0.416723%
V336	SANDY VALLEY TRANS SER IN	487,729	0.077427%
V337	FRANKFORT ELEC WATER BD	3,527,421	0.559982%
V347	CITY OF RADCLIFF	518,313	0.082283%
V359	CITY OF ELSMERE	128,850	0.020455%
V363	LONDON LAUREL CO COMM CTR	177,595	0.028193%
V373	PADUCAH MCCRACKEN CO TOUR	75,081	0.011919%
V376	CITY OF BERE A	1,071,781	0.170146%
V398	CITY OF ELKHORN CITY	25,776	0.004092%
V400	PULASKI CO SOIL CONS DIST	24,814	0.003939%
V405	MARY W WELDON MEM PUB LIB	57,356	0.009105%
V407	BELL/WHITLEY COMM ACTION	685,117	0.108763%
V408	UNION EMERGENCY SERVICES	17,951	0.002850%
V419	DAYTON CITY SCHOOLS	306,781	0.048702%
V424	PENNYRILE ALLIED COMM SER	1,006,965	0.159857%
V430	OWENSBORO MUN UTILITIES	3,244,185	0.515018%
V436	APPALACHIAN RES & DEFENSE	548,720	0.087110%
V437	FKT/FKLN CO TOUR&CONV COM	27,116	0.004305%
V447	CITY OF ELIZABETHTOWN	1,913,861	0.303827%
V459	LUDLOW BD OF EDUCATION	147,266	0.023379%
V463	LONDON LAUREL TOURIST COM	36,896	0.005857%
V473	PADUCAH POWER SYSTEM	1,413,730	0.224431%
V476	KY RIVER FOOTHILLS DEV CO	1,327,855	0.210798%
V500	WEST PULASKI WATER DISTR	129,010	0.020481%
V505	CITY OF PARK CITY	8,994	0.001428%
V507	BELL CO SOLID WASTE OFFIC	36,243	0.005754%
V508	CITY OF UNION	38,167	0.006059%
V524	HOPKINSVL WATER ENV ATH	1,065,233	0.169107%
V530	AUDUBON AREA COMM SER INC	3,906,652	0.620185%
V537	CAPITAL COMMUNITY E I D A	22,780	0.003616%
V547	ELIZABETHTOWN TOUR/CON BU	48,507	0.007700%
V559	BEECHWOOD BOARD OF EDUC	298,575	0.047399%
V563	LONDON-LAUREL CO IDA	24,488	0.003888%
V576	SOUTHERN MADISON WATER DT	68,935	0.010944%
V607	PINEVILLE UTILITY COMM	262,444	0.041663%
V608	WALTON FIRE DIST/EMS	4,580	0.000727%
V619	SOUTHGATE BD OF ED	66,926	0.010625%
V624	HOPKINSVL ELECTRIC SYSTEM	935,097	0.148448%
V630	CITY OF WHITESVILLE	36,030	0.005720%
V637	FARMDALE WATER DISTRICT	29,552	0.004691%
V647	CITY OF VINE GROVE	151,291	0.024018%
V659	KENTON CO BD OF ED	4,337,284	0.688548%

**Kentucky Public Pensions Authority
Schedule A - Schedule of Employer Allocations
Fiscal Year Ended June 30, 2022**

County Employees Retirement System (Non-Hazardous)

Employers are presented in order by assigned employer reporting code. There are separate schedules for Non-Hazardous and Hazardous and as such reporting employers may appear on multiple schedules.

Employer Code	Participating Participating Employer Name	Actual FYE 2022 Contributions	2022 Proportionate Share
(1)	(2)	(3)	(4)
V663	LAUREL CO CONSERV DIST	13,499	0.002143%
V673	PADUCAH-MCCRACKEN CO JOIN	350,181	0.055592%
V676	MADISON CO UTILITIES DIST	141,586	0.022477%
V707	BELL CO CONSERVATION DIST	3,932	0.000624%
V708	HEBRON FIRE PROTECTION DI	17,577	0.002790%
V719	SILVER GROVE BD OF ED	-	0.000000%
V724	PENNYRILE AREA DEVP DIST	399,553	0.063429%
V730	GREEN RIV AREA DEL DIST	562,901	0.089361%
V737	KY ASSOC OF CO (KACO)	892,230	0.141643%
V756	JEFF CO MED CENTER LAUNDR	517,142	0.082097%
V759	ERLANGER/ELSMERE BD OF ED	827,715	0.131401%
V773	MCCRACKEN CO PUB LIBRARY	237,193	0.037655%
V808	POINT PLEASANT FIRE DIST	28	0.000005%
V819	NEWPORT BD OF ED	765,849	0.121579%
V830	REGIONAL WTR RESOURCE AGY	1,233,316	0.195790%
V856	KYIANA REG PLANNING DEV	945,990	0.150177%
V859	COVINGTON BD OF ED	2,083,379	0.330739%
V873	PADUCAH-MCCRACKEN CO RIV	107,324	0.017038%
V919	CITY OF WILDER	57,580	0.009141%
V930	OWENSBORO METRO PLAN COMM	162,717	0.025831%
V937	HOUSING AUTH OF FRANKFORT	138,169	0.021935%
V959	CITY OF COVINGTON	1,942,188	0.308324%
W001	ADAIR COUNTY ATTORNEY	25,399	0.004032%
W003	ANDERSON COUNTY ATTORNEY	14,269	0.002265%
W004	BALLARD COUNTY ATTORNEY	18,475	0.002933%
W010	BOYD COUNTY ATTORNEY	47,578	0.007553%
W011	BOYLE COUNTY ATTORNEY	20,046	0.003182%
W013	BREATHITT CO ATTORNEY	6,866	0.001090%
W015	BULLITT COUNTY ATTORNEY	85,591	0.013588%
W016	BUTLER COUNTY ATTORNEY	14,797	0.002349%
W017	CALDWELL COUNTY ATTORNEY	23,582	0.003744%
W018	CALLOWAY COUNTY ATTORNEY	48,605	0.007716%
W019	CAMPBELL COUNTY ATTORNEY	117,720	0.018688%
W020	CARLISLE COUNTY ATTORNEY	-	0.000000%
W021	CARROLL COUNTY ATTORNEY	6,462	0.001026%
W022	CHILD SUPPORT ENFORCEMENT	17,246	0.002738%
W024	CHRISTIAN COUNTY ATTORNEY	83,337	0.013230%
W026	CLAY COUNTY ATTORNEY	31,955	0.005073%
W027	CLINTON CO ATTORNEY	18,617	0.002956%
W028	CRITTENDEN CO ATTORNEY	-	0.000000%
W029	CUMBERLAND CO ATTORNEY	12,620	0.002003%
W031	EDMONSON COUNTY ATTORNEY	6,834	0.001085%
W032	ELLIOTT COUNTY ATTORNEY	13,440	0.002134%
W033	ESTILL COUNTY ATTORNEY	24,247	0.003849%
W035	FLEMING COUNTY ATTORNEY	43,004	0.006827%

Kentucky Public Pensions Authority
Schedule A - Schedule of Employer Allocations
Fiscal Year Ended June 30, 2022

County Employees Retirement System (Non-Hazardous)

Employers are presented in order by assigned employer reporting code. There are separate schedules for Non-Hazardous and Hazardous and as such reporting employers may appear on multiple schedules.

Employer Code	Participating Participating Employer Name	Actual FYE 2022 Contributions	2022
			Proportionate Share
(1)	(2)	(3)	(4)
W036	FLOYD COUNTY ATTORNEY	41,830	0.006641%
W039	GALLATIN COUNTY ATTORNEY	-	0.000000%
W041	GRANT COUNTY CHILD SUPPOR	17,971	0.002853%
W043	GRAYSON COUNTY ATTORNEY	22,383	0.003553%
W044	GREEN COUNTY ATTORNEY	11,986	0.001903%
W045	GREENUP CO ATTY/CHILD SUP	-	0.000000%
W047	HARDIN COUNTY ATTORNEY	149,173	0.023681%
W048	HARLAN COUNTY ATTORNEY	61,255	0.009724%
W050	HART COUNTY ATTORNEY	40,639	0.006452%
W051	HENDERSON CO ATTORNEY	55,113	0.008749%
W052	HENRY COUNTY ATTORNEY	9,240	0.001467%
W055	JACKSON COUNTY ATTORNEY	19,118	0.003035%
W056	JEFFERSON CO ATTORNEY	1,099,324	0.174519%
W058	JOHNSON CO ATTORNEY	36,179	0.005743%
W060	KNOTT COUNTY ATTORNEY	23,598	0.003746%
W061	KNOX COUNTY ATTORNEY	44,677	0.007093%
W063	LAUREL COUNTY ATTORNEY	83,616	0.013274%
W064	LAWRENCE COUNTY ATTORNEY	14,509	0.002303%
W066	LESLIE COUNTY ATTORNEY	18,452	0.002929%
W067	LETCHER COUNTY ATTORNEY	33,083	0.005252%
W069	LINCOLN COUNTY ATTORNEY	29,717	0.004718%
W070	LIVINGSTON CO ATTORNEY	15,346	0.002436%
W071	LOGAN COUNTY ATTORNEY	597	0.000095%
W073	MCCRACKEN COUNTY ATTORNEY	10,460	0.001661%
W075	MCLEAN COUNTY ATTORNEY	3,490	0.000554%
W076	MADISON COUNTY ATTORNEY	16,603	0.002636%
W077	MAGOFFIN CO ATTORNEY	7,869	0.001249%
W078	MARION COUNTY ATTORNEY	11,152	0.001770%
W079	MARSHALL COUNTY ATTORNEY	8,084	0.001283%
W080	MARTIN COUNTY ATTORNEY	27,586	0.004379%
W082	MEADE COUNTY ATTORNEY	19,671	0.003123%
W083	MENIFEE COUNTY ATTORNEY	10,075	0.001599%
W084	MERCER COUNTY ATTORNEY	25,680	0.004077%
W085	METCALFE COUNTY ATTORNEY	19,998	0.003175%
W087	MONTGOMERY CO ATTORNEY	2,278	0.000362%
W090	NELSON COUNTY ATTORNEY	59,419	0.009433%
W091	NICHOLAS COUNTY ATTORNEY	10,032	0.001593%
W092	OHIO COUNTY ATTORNEY	997	0.000158%
W095	OWSLEY COUNTY ATTORNEY	13,354	0.002120%
W096	PENDLETON COUNTY ATTORNEY	20,891	0.003316%
W097	PERRY COUNTY ATTORNEY	60,062	0.009535%
W098	PIKE COUNTY ATTORNEY	113,779	0.018063%
W099	POWELL COUNTY ATTORNEY	28,404	0.004509%
W103	ROWAN COUNTY ATTORNEY	13,149	0.002087%
W104	RUSSELL COUNTY ATTORNEY	31,433	0.004990%

**Kentucky Public Pensions Authority
Schedule A - Schedule of Employer Allocations
Fiscal Year Ended June 30, 2022**

County Employees Retirement System (Non-Hazardous)

Employers are presented in order by assigned employer reporting code. There are separate schedules for Non-Hazardous and Hazardous and as such reporting employers may appear on multiple schedules.

Employer Code	Participating Participating Employer Name	Actual FYE 2022 Contributions	2022 Proportionate Share
(1)	(2)	(3)	(4)
W105	SCOTT COUNTY ATTORNEY	-	0.000000%
W106	SHELBY COUNTY ATTORNEY	12,470	0.001980%
W107	SIMPSON COUNTY ATTORNEY	10,233	0.001625%
W109	TAYLOR COUNTY ATTORNEY	32,094	0.005095%
W110	TODD COUNTY ATTORNEY	-	0.000000%
W113	UNION COUNTY ATTORNEY	2,586	0.000410%
W114	WARREN CO ATTY/CHILD SUPP	120,026	0.019054%
W115	WASHINGTON CO ATTORNEY	13,024	0.002068%
W118	WHITLEY COUNTY ATTORNEY	-	0.000000%
W119	WOLFE COUNTY ATTORNEY	14,663	0.002328%
W120	WOODFORD COUNTY ATTORNEY	30,430	0.004831%
X030	OWENSBORO DAVIESS CO TOUR	78,485	0.012460%
X034	FAYETTE CO ATTORNEY OFF	325,650	0.051697%
X059	KENTON COUNTY ATTORNEY	169,192	0.026859%
X105	GEORGETOWN WATER & SEWER	811,964	0.128900%
X956	LOU FIREFIGHTERS PENS FUN	44,511	0.007066%
TOTAL		629,917,086	100.000000%

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KPPA Board Meeting - Joint Audit Committee Report and Recommendations

Kentucky Public Pensions Authority
Schedule B-Schedule of Pension Amounts by
Employer Fiscal Year Ended June 30, 2022

County Employees Retirement System (Non-Hazardous)

Employers are presented in order by assigned employer reporting code. There are separate schedules for Non-Hazardous and Hazardous and as such reporting employers may appear on multiple schedules.

Employer Code	Participating Employer Name	Net Pension Liability as of June 30, 2022			Deferred Amounts from Change in Plan			Proportionate Share of Aggregate Plan Pension Experience	Gross Pension Experience	Proportionate Share of Nonemployer Pension Contributions	Net Employer Pension Experience	Outstanding Balance of Deferred Outflows of Resources			Change in Proportionate & Differences Between Employer Contributions & Proportionate Share of Plan Contributions			Outstanding Balance of Deferred Inflows of Resources			Recognition of Existing Deferred Outflows (Inflows) of Resources for Future Measurement Period Ending June 30, 2025							
		Discount Rate 6.25%	Discount Rate Less 1.00% 5.25%	Discount Rate Plus 1.00% 7.25%	(1)	(2)	(3)					(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
		(A)	(B)	(C)	(D)	(E)	(F)					(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)
0005	MISS GENERAL ASSISTANT	261,257	266,085	271,805	27,807	96,964	32,008	-	322,888	311	38,834	388,265	2,923	5,294	31,835	2,781	36,959	80,258	98,381	(2,486)	8,279							
20025	JUN ADM OFF OF THE COUNTY	155,505,568	154,888,864	173,701,516	12,477,479	(6,143,424)	(6,466,045)	-	1,626,405	166,705	21,246,935	134,410	21,518,059	1,388,194	17,219,544	13,139,857	31,747,995	(7,861,701)	(5,487,456)	(1,130,318)	4,429,514							
35028	THIRD DIST OF INTERGOV PRO	2,774,520	34,714,705	22,034,412	2,222,529	1,779,280	4,980,333	-	26,094	26,094	1,719,280	4,980,333	347,344	3,607,242	2,729	1,314,566	624,669	418,446	(33,041)	799,011								
39932	JEFFERSON COUNTY SHERIFF	7,669,374	8,969,839	5,987,699	578,204	380,739	954,443	-	954,443	7,665	975,577	374,860	4,358,965	83,646	796,750	859,388	247,307	111,795	(80,247)	203,669								
39933	KENTON CO COURTYER	9,902,222	4,937,269	1,133,117	2,222,529	200,251	58,966,256	-	4,223	200,251	4,937,269	1,133,117	6,006,265	25,456	312,794	20,678	2,767	474,183	241,984	113,992	(81,105)	112,212						
39934	KENTON CO SHERIFF	1,527,563	1,909,284	1,231,864	122,238	35,515	197,753	-	157,733	7,665	975,577	374,860	6,006,265	269,955	13,604	148,604	1,640	383,098	46,235	15,533	(22,817)	43,366						
39935	CAMPBELL COUNTY CLERK	2,851,582	1,574,122	2,706,937	228,838	65,315	184,780	-	184,780	2,851,582	1,574,122	2,706,937	1,548,116	86,819	312,794	20,678	1,811,122	108,759	65,503	(43,030)	81,212							
39936	CAMPBELL CO SHERIFF	1,284,210	1,637,602	1,026,738	105,565	39,173	193,738	-	133,738	1,284,210	1,637,602	1,026,738	1,334,141	176,203	236,259	11,236	243,566	5,430	(48,669)	(10,876)	36,766							
39937	FAYETTE CO SHERIFF	81,422	12,448,150	7,206,597	796,487	10,461	1,341,831	-	1,341,831	81,422	12,448,150	7,206,597	20,313	1,148,116	86,819	312,794	20,678	1,601,212	108,759	65,503	(43,030)	81,212						
39938	DAVIES CO CLERK	2,902,232	1,627,420	2,102,413	232,241	(70,841)	164,400	-	241,400	2,902,232	1,627,420	2,102,413	1,524,666	551,656	25,446	120,640	38,174	730,346	122,930	(171,601)	114,389							
39939	DAVIES CO SHERIFF	782,287	896,361	566,328	40,609	40,609	30,607	-	30,607	782,287	896,361	566,328	40,609	6,344	78,607	15,009	66,606	14,849	(9,866)	26,284								
39941	PIKE CO CLERK	1,136,861	1,663,412	1,105,411	106,468	(82,458)	24,400	-	24,400	1,136,861	1,663,412	1,105,411	1,103	18,090	182,513	11,832	148,972	63,689	230,315	(52,300)	(12,117)	(11,384)	27,447					
39942	PIKE COUNTY SHERIFF	2,113,113	2,663,827	1,690,286	1,414,961	141,496	369,889	-	369,889	2,113,113	2,663,827	1,690,286	4,988	84,124	86,363	772,389	156,278	184,289	144,491	(9,286)	126,261							
39943	HARDIN COUNTY CLERK OFF	3,443,468	4,303,508	2,731,811	275,552	13,913	307,505	-	307,505	3,443,468	4,303,508	2,731,811	3,672	468,155	61,807	558,042	30,866	180,275	15,978	426,919	43,532	(28,137)	97,621					
39944	HARDIN COUNTY SHERIFF	1,875,005	2,484,174	1,768,889	174,501	14,146	34,887	-	34,887	1,875,005	2,484,174	1,768,889	1,438	235,901	22,844	208,057	37,200	237,821	14,658	174,663	(11,909)	(10,909)	60,866					
39945	WARRIN COUNTY CLERKS OFF	3,477,031	4,181,176	2,655,308	367,835	47,731	315,006	-	315,006	3,477,031	4,181,176	2,655,308	3,678	451,431	34,456	493,405	29,807	169,625	20,732	420,116	16,532	(8,185)	14,587	97,621				
39946	WARRIN COUNTY SHERIFF	4,875,005	5,841,174	3,768,889	374,501	14,146	34,887	-	34,887	4,875,005	5,841,174	3,768,889	4,988	84,124	86,363	772,389	156,278	184,289	144,491	(9,286)	126,261							
39947	BOONE COUNTY CLERK	3,702,773	4,628,007	2,937,528	296,301	114,019	430,330	-	430,330	3,702,773	4,628,007	2,937,528	1,959	503,856	32,475	537,070	32,475	408,611	47,265	405,160	(3,456)	(22,060)	(11,146)	105,111				
39948	BOONE COUNTY SHERIFF	1,098,206	1,396,185	863,938	87,046	30,672	102,376	-	102,376	1,098,206	1,396,185	863,938	1,363	146,079	49,889	185,811	9,691	120,340	109,877	26,287	(19,469)	(3,466)	20,934					
39949	CHRISTIAN COUNTY CLERK	1,547,202	1,983,958	1,279,117	147,019	1,547,202	1,279,117	-	1,279,117	1,547,202	1,983,958	1,279,117	1,607	175,917	14,513	190,430	810	162,216	150	162,216	45,082	(1,380)	45,082					
39950	CHRISTIAN COUNTY SHERIFF	5,061,322	6,336,024	4,015,598	405,015	91,781	496,796	-	496,796	5,061,322	6,336,024	4,015,598	5,411	688,694	76,627	769,735	45,073	558,900	11,959	503,930	(42,532)	143,709						
39951	MADISON COUNTY CLERK	2,564,398	3,100,166	2,113,211	112,209	52,086	268,225	-	268,225	2,564,398	3,100,166	2,113,211	2,869	302,565	50,163	423,927	12,128	284,219	52,381	370,364	21,274	(11,815)	(2,300)	75,092				
39952	MADISON COUNTY SHERIFF	794,700	943,293	598,733	60,393	30,269	106,622	-	106,622	794,700	943,293	598,733	60,393	100,693	4,079	107,573	6,721	183,345	29,174	132,241	(16,627)	(7,698)	(6,342)	21,446				
39953	BULLITT COUNTY CLERK	4,944,230	1,837,634	1,432,008	154,421	156,241	302,723	-	302,723	4,944,230	1,837,634	1,432,008	5,023	1,046,281	51,201	1,100,000	37,200	237,821	14,268	214,553	71,148	(1,465)	14,645					
39954	BULLITT CO SHERIFF	3,138,810	3,923,248	2,496,197	251,380	16,444	267,624	-	267,624	3,138,810	3,923,248	2,496,197	3,356	427,112	69,043	498,599	27,953	346,641	179,266	553,865	(35,805)	(81,339)	(63,378)	89,179				
39957	BUSBY COFF CO CONNECTIONS	15,470	18,336	12,279	1,238	(17,433)	(6,195)	-	(6,195)	15,470	18,336	12,279	16,195	17	2,105	126	2,248	138	1,708	1,208	6,450	8,396	(6,008)	(449)	(140)	444		
4103	WAYNE COUNTY ASSISTANT	298,269	372,729	236,612	23,688	36,468	10,336	-	10,336	298,269	372,729	236,612	3,119	46,385	25,855	66,654	2,656	32,619	42,111	47,740	37,706	(2,566)	37,706					
4105	JEFFERSON COUNTY BOARDMAN	143,481	177,083	112,812	12,812	143,481	112,812	-	112,812	143,481	177,083	112,812	12,812	143,481	112,812	112,812	112,812	112,812	112,812	112,812	112,812	112,812	112,812	112,812	112,812	112,812	112,812	
4107	HOUSING AUTH OF PADUCAH	3,400,963	4,363,270	2,769,402	279,532	97,688	377,040	-	377,040	3,400,963	4,363,270	2,769,402	3,732	475,015	51,757	689,248	31,089	336,520	12,639	433,240	155,975	134,229	(2,300)	98,147				
4113	MONROEVILLE SHERIFF	1,131,560	1,439,287	1,040,502	104,593	3,075	108,208	-	108,208	1,131,560	1,439,287	1,040,502	1,402	178,464	13,708	193,574	11,840	144,840	28,128	184,738	(4,730)	(12,871)	(11,022)	17,202				
4119	CITY OF ANCHORAGE	184,315	187,877	128,844	11,548	11,548	11,548	-	11,548	184,315	187,877	128,844	11,548	11,548	11,548	11,548	11,548	11,548	11,548	11,548	11,548	11,548	11,548	11,548	11,548	11,548		
4121	CAMPBELL CO FIRE DIST 1	1,154,151	1,437,873	988,466	104,626	104,626	104,626	-	104,626	1,154,151	1,437,873	988,466	104,626	104,626	104,626	104,626	104,626	104,626	104,626	104,626	104,626	104,626	104,626	104,626	104,626	104,626		
4122	HOUSING AUTHORITY OF CANTONBURGH	630,113	787,613	499,921	50,426	110,477	39,979	-	39,979	630,113	787,613	499,921	630,113	630,113	630,113	630,113	630,113	630,113	630,113	630,113	630,113	630,113	630,113	630,113	630,113	630,113		
4123	CITY OF HILLVIEW	1,544,394	1,909,051	1,238,624	123,865	10,437	208,726	-	208,726	1,544,394	1,909,051	1,238,624	1,544,394	1,544,394	1,544,394	1,544,394	1,544,394	1,544,394	1,544,394	1,544,394	1,544,394	1,544,394	1,544,394	1,544,394	1,544,394			
4124	PIKENETTE EMER ASST CTB	794,251	947,729	621,449	60,478	85,113	30,449	-	30,449	794,251	947,729	621,449	60,478	85,113	30,449	124,841	61,713	81,756	114,420	146,174	(1,570)	(114,420)	(6,372)	21,540				
4125	W KY CO COOPERATIVE	377,138	474,373	299,199	30,178	(67,583)	(9,404)	-	(9,404)	377,138	474,373	299,199	30,178	30,178	30,178	30,178	30											

KPPA Board Meeting - Joint Audit Committee Report and Recommendations

Kentucky Public Services Authority
Schedule B-Schedule of Pension Amounts by
Employer Fiscal Year Ending June 30, 2022

County Employees Retirement System (Non-Hazardous)

Employers are presented in order by assigned employer reporting code. There are separate schedules for Non-Hazardous and Hazardous and as such reporting employers may appear on multiple schedules.

Employer Code	Participating Employer Name	Net Pension Liability as of June 30, 2022			Pension Expenses					Outstanding Balance of Deferred Outflows of Resources					Recognition of Existing Deferred Outflows (Inflows) of Resources for Future Measurement Period Ending June 30, 2025										
		Discount Rate 6.25%	Discount Rate Less 1.00% 5.25%	Discount Rate Plus 1.00% 7.25%	Proportionate Share of Aggregate Plan Pension Experience	Deferred Amounts from Changes in Plan Contributions		Gross Employer Pension Expenses	Proportionate Share of Nonemployer Pension Expenses	Net Employer Pension Expense	Liability Experience	Investment Experience	Change in Proportionate & Proportionate Share of Plan Contributions		Total Deferred Outflows of Resources	Liability Experience	Investment Experience	Change in Differences Between Employer Contributions & Proportionate Share of Plan Contributions		Total Deferred Resources	2023	2024	2025	2026	
						(A)	(B)						(C)	(D)				(E)	(F)						(G)
0017	CADWELL CO BO OF EDUC	7,584,150	5,979,355	5,953,938	555,493	(85,739)	114,774	-	514,754	8,033	1,021,080	175,405	1,199,513	85,828	128,711	144,239	1,025,058	(61,861)	78,897	(85,861)	(61,861)				211,171
0018	CALDWELL CO BO OF EDUC	9,220,890	11,524,975	7,915,313	797,870	6,653	744,533	-	744,533	9,758	1,254,658	273,200	1,527,768	82,116	1,018,297	18,214	1,118,627	107,186	127,476	(77,487)	(77,487)				261,968
0019	SALAMATION DISTRICT NO 1	5,530,710	44,420,238	28,194,785	2,845,941	(61,565)	2,228,265	-	2,228,265	37,956	4,831,880	79,139	4,911,025	316,866	3,074,781	1,371,834	5,099,111	(89,588)	(97,467)	(298,625)	(298,625)				1,009,620
0020	CARRICK CO BO OF EDUC	1,847,953	14,769,848	9,374,904	965,618	307,866	1,269,249	-	1,269,249	1,807,947	11,913,911	1,933,941	13,855,800	992,366	1,395,200	76,799	1,597,095	34,432	34,432	(1,597,095)	(1,597,095)				35,806
0021	CARTER CO BO OF EDUC	15,813,612	19,765,052	12,545,442	1,265,429	(398,875)	865,554	-	865,554	16,007	2,151,759	130,315	2,307,986	140,827	1,746,355	781,739	2,644,923	(312,588)	(344,699)	(123,889)	(123,889)				449,211
0022	CARY CO BO OF EDUC	9,841,262	12,262,982	7,783,656	929,200	(1,700,000)	2,749,880	-	2,749,880	196,629	2,442,298	229,538	2,671,836	182,944	1,895,206	65,659	2,060,890	65,659	65,659	(1,895,206)	(1,895,206)				182,298
0024	CITY OF HOPKINSVILLE	15,213,025	19,034,394	12,088,978	1,217,369	1,517,825	2,455,194	-	2,455,194	1,317,265	2,070,937	1,533,265	3,604,467	1,587,979	1,480,200	1,077,637	4,682,616	(1,499,449)	472,058	(127,842)	(127,842)				432,265
0025	CENTURY CO BO OF EDUC	2,828,708	22,252,656	13,924,683	1,740,887	1,020,000	2,760,887	-	2,760,887	1,208,487	1,652,500	1,208,487	2,861,000	1,208,487	1,652,500	1,208,487	2,861,000	1,208,487	1,208,487	(1,652,500)	(1,652,500)				1,208,487
0026	CLAY CO BO OF EDUC	10,833,086	13,515,016	8,578,364	865,279	(542,004)	332,755	-	332,755	11,551	1,471,337	167,000	1,638,337	96,295	1,394,149	674,413	1,664,813	(453,120)	(445,125)	(66,867)	(66,867)				307,174
0027	COLUMBIANA CO BO OF EDUC	7,095,823	48,232,656	31,924,983	1,642,277	(1,642,277)	3,284,554	-	3,284,554	2,298	3,631,881	313,889	3,945,770	82,796	2,920,888	2,920,888	6,866,658	(2,920,888)	(2,920,888)	(2,920,888)	(2,920,888)				265,284
0028	COURTNEY CO BO OF EDUC	5,144,146	4,429,569	4,081,011	411,644	(1,174)	401,170	-	401,170	11,560	69,957	705,467	717,027	45,111	568,095	9,340	621,240	(46,120)	(46,120)	(46,120)	(46,120)				146,113
0029	DUMBARROW CO BO OF EDUC	3,979,305	4,966,201	3,152,039	317,964	109,644	427,598	-	427,598	4,248	54,655	193,184	247,839	35,848	438,792	6,379	471,350	(47,139)	(47,139)	(47,139)	(47,139)				112,891
0030	DAVIES CO LIBRARY DIST	4,548,495	4,685,055	3,608,464	363,877	7,845	371,162	-	371,162	4,880	618,914	26,239	623,153	42,506	507,607	152,719	660,326	(6,608)	(70,901)	(81,211)	(81,211)				128,214
0031	EDMONSON CO BO OF EDUC	7,138,261	8,911,947	5,026,669	703,575	(144,830)	526,745	-	526,745	7,424	970,216	22,886	977,642	83,498	747,681	6,456	911,339	(28,740)	(27,501)	(89,419)	(89,419)				202,909
0032	ELIOTT CO BO OF EDUC	1,238,237	1,467,179	1,042,432	132,217	(31,275)	246,954	-	246,954	1,462	460,427	121,022	581,449	3,480	357,400	82,244	479,624	(15,710)	(14,432)	(47,906)	(47,906)				51,974
0033	ENTIRELY CONSERVATION DIST	220,431	279,488	173,860	47,818	(11,517)	107,377	-	107,377	236	39,992	71,968	102,190	1,960	24,841	82	26,388	(6,603)	(6,247)	(18,882)	(18,882)				6,247
0034	GREATER LEICESTER DISTRICT	4,005,455	4,005,455	1,177,131	1,828,324	1,828,324	1,177,131	-	1,177,131	4,283	145,063	548,134	149,347	153,347	442,213	149,799	622,878	(129,094)	(142,621)	(142,621)	(142,621)				111,765
0035	FLEMING CO BO OF EDUC	2,436,631	3,924,866	5,899,714	596,290	(199,350)	3,961,341	-	3,961,341	1,824	1,021,961	183,723	1,205,977	66,224	824,264	170,997	1,075,467	(59,714)	(70,944)	(82,488)	(82,488)				214,266
0037	CITY OF FLEMINGTON	26,411,020	25,553,213	15,118,211	1,651,880	(501,185)	1,150,695	-	1,150,695	21,856	1,805,340	291,137	2,096,477	104,024	3,217,506	19,843	3,514,111	(1,149,449)	(1,149,449)	(1,149,449)	(1,149,449)				581,161
0038	FRANKLIN COUNTY BO OF EDUC	1,251,377	1,158,949	1,389,409	140,148	40,488	1,016,460	-	1,016,460	1,497	278,140	291,137	569,277	15,597	394,411	200,000	574,311	(37,310)	(40,863)	(49,708)	(49,708)				49,708
0039	GALLATIN CO BO OF EDUC	6,753,634	4,441,204	5,517,873	540,438	(110,860)	430,578	-	430,578	7,220	58,937	1,024,837	1,032,077	60,144	745,629	38,544	844,201	(143,530)	(101,915)	(67,574)	(67,574)				191,863
0040	CITY OF GARRARD COUNTY	2,354,262	2,842,278	2,959,637	374,344	(1,887,219)	2,887,219	-	2,887,219	3,287	2,887,219	13,382	2,890,606	3,287	2,887,219	3,287	2,890,606	(3,287)	(3,287)	(3,287)	(3,287)				66,804
0041	WILLIAMSTOWN INDEPENDENT SC	3,724,740	4,655,474	2,954,562	286,600	(130,507)	127,553	-	127,553	3,982	58,827	15,946	74,755	5,941	69,881	233,452	1,009,209	(119,449)	(106,588)	(131,301)	(131,301)				105,882
0042	GARRARD COUNTY BO OF EDUC	3,818,959	793,041	5,002,931	392,700	249,200	641,488	-	641,488	7,908	88,223	29,720	117,928	10,885	97,043	78,827	175,870	(19,997)	(20,300)	(20,300)	(20,300)				18,000
0043	GAYLORD CO BO OF EDUC	15,892,426	18,976,239	12,679,572	1,728,554	(100,451)	1,799,355	-	1,799,355	1,987	2,174,757	186,762	2,379,526	143,332	1,765,020	92,675	2,006,007	(149,449)	(149,449)	(149,449)	(149,449)				454,021
0044	GERRARD COUNTY BO OF EDUC	1,204,888	1,204,888	1,204,888	1,204,888	1,204,888	1,204,888	-	1,204,888	801	1,204,888	1,204,888	2,409,776	1,204,888	1,204,888	1,204,888	2,409,776	(1,204,888)	(1,204,888)	(1,204,888)	(1,204,888)				1,204,888
0045	RUSSELL INDEPENDENT BO OF EDUC	7,180,073	8,874,200	5,696,181	574,560	(138,079)	436,481	-	436,481	7,676	97,939	183,256	1,167,925	63,942	792,252	409,420	1,569,274	(55,013)	(176,379)	(307,367)	(307,367)				203,968
0046	GERRARD COUNTY BO OF EDUC	9,865,888	9,309,781	5,965,489	588,888	588,888	588,888	-	588,888	801	1,204,888	1,204,888	2,409,776	1,204,888	1,204,888	1,204,888	2,409,776	(1,204,888)	(1,204,888)	(1,204,888)	(1,204,888)				1,204,888
0047	HAROLD CO SOLID DIST	150,800	188,207	119,460	12,500	21,892	37,942	-	37,942	1,341	16,409	43,633	64,283	1,341	16,409	1,341	24,994	(6,267)	(6,267)	(6,267)	(6,267)				4,277
0048	HAROLD COUNTY BO OF EDUC	16,027,603	21,157,407	13,429,023	1,584,572	(79,556)	1,664,100	-	1,664,100	18,098	2,301,340	882,580	3,107,020	150,748	1,469,377	148,380	3,448,534	(330,270)	(409,207)	(442,250)	(442,250)				480,877
0049	HARRISON CO BO OF EDUC	10,445,227	12,053,883	8,284,188	789,241	(114,867)	703,711	-	703,711	11,164	1,420,915	92,877	1,432,089	92,877	1,153,207	141,510	1,434,316	(141,510)	(141,510)	(141,510)	(141,510)				1,292,806
0050	HART CO BO OF EDUC	8,897,241	12,096,693	7,043,939	740,650	(82,841)	660,209	-	660,209	9,492	1,268,063	196,277	1,464,340	79,995	990,657	138,857	1,198,379	(42,942)	(50,701)	(62,608)	(62,608)				252,211
0051	HENDERSON PUBLIC LIBRARY	3,072,222	1,821,148	2,455,437	244,644	304,524	950,524	-	950,524	4,596	32,400	425,137	367,626	42,506	337,620	392,844	730,470	(42,506)	(42,506)	(42,506)	(42,506)				327,964
0052	HENDERSON INDEPENDENT BO OF EDUC	3,844,047	4,304,431	2,732,279	275,598	(50,477)	2,055,511	-	2,055,511	3,629	46,442	43,009	50,614	30,672	300,319	16,310	477,303	(49,111)	(47,742)	(28,942)	(28,942)				97,881
0053	HENDRICK COUNTY BO OF EDUC	1,171,311	1,171,311	1,171,311	1,171,311	1,171,311	1,171,311	-	1,171,311	1,171,311	1,171,311	1,171,311	2,342,622	1,171,311	1,171,311	1,171,311	2,342,622	(1,171,311)	(1,171,311)	(1,171,311)	(1,171,311)				1,171,311
0054	HOPKINS CO BO OF EDUC	15,875,875	18,976,239	12,679,572	1,728,554	(100,451)	1,799,355	-	1,799,355	1,987	2,174,757	186,762	2,379,526	143,332	1,765,020	92,675	2,006,007	(149,449)	(149,449)	(149,449)	(149,449)				454,021

KPPA Board Meeting - Joint Audit Committee Report and Recommendations

Kentucky Public Employees Authority
Schedule B-Schedule of Pension Amounts by
Employer Fiscal Year Ended June 30, 2022

County Employees Retirement System (Non-Hazardous)

Employers are presented in order by assigned employer reporting code. There are separate schedules for Non-Hazardous and Hazardous and as such reporting employers may appear on multiple schedules.

Employer Code	Participating Employer Name	Net Pension Liability as of June 30, 2022			Pension Expenses					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, 2025				
		Discount Rate 6.25%	Discount Rate Less 1.00% 5.25%	Discount Rate 7.25%	Proportionate Share of Aggregate Plan Pension Expense	Deferred Amounts from Changes in Plan Contributions	Proportionate Share of Pension & Differences Between Employer Contributions & Proportionate Share of Plan Contributions	Gross Employer Pension Expense	Nonemployer Contribution	Net Employer Pension Expense	Liability Experience	Investment Experience	Differences Between Employer Contributions & Proportionate Share of Plan Contributions	Total Deferred Inflow of Resources	Liability Experience	Investment Experience	Differences Between Employer Contributions & Proportionate Share of Plan Contributions	Total Deferred Inflow of Resources	2023	2024	2025	2026		
																							(A)	(B)
K001	MONROE CO CONSERV DIST	175,044	218,748	158,945	14,005	5,883	10,888	-	19,888	187	21,814	5,538	23,352	1,539	10,537	1,046	21,583	21,583	7,725	371	1,471	4,372		
K087	MONTGOMERY CO BO OF ED	16,968,746	18,958,915	12,688,515	1,277,843	(147,558)	1,130,335	-	1,130,335	17,073	2,172,884	871,451	3,064,372	142,409	1,763,487	548,278	2,444,972	2,444,972	(86,422)	375,775	(184,940)	453,613		
K088	GATEWAY COMMERC ORGNZ	15,844,404	10,803,091	12,569,538	1,267,864	(2,107,577)	3,388,441	-	3,388,441	16,939	2,155,900	1,689,759	3,862,588	140,688	1,749,726	1,890,514	3,862,588	3,862,588	1,075,415	579,419	(133,144)	450,290		
K090	MURKINBERG CO BO OF ED	21,984,386	26,438,000	16,778,851	1,292,403	(151,720)	1,170,700	-	1,170,700	29,811	2,817,798	2,817,798	5,635,596	188,544	2,355,666	231,343	2,777,000	2,777,000	1,958,914	134,927	(18,262)	64,886		
K092	NELSON COUNTY BO OF ED	17,443,176	21,801,806	13,838,227	1,395,429	(1,277,229)	1,523,058	-	1,523,058	18,649	2,172,494	298,302	2,890,533	155,839	1,926,314	56,522	2,174,242	2,174,242	11,027	(5,712)	(146,582)	495,527		
K091	CITY OF GARRISON	2,843,823	3,844,533	1,800,600	181,225	(174,887)	266,338	-	266,338	16,442	1,056,416	309,125	1,365,541	70,946	588,868	3,897	725,006	725,006	150,911	134,927	(8,263)	164,586		
K090	OHIO CO LIBRARY	1,021,387	1,276,507	810,399	87,133	(84,111)	97,844	-	97,844	1,052	138,880	37,174	172,243	9,806	112,786	10,203	134,500	134,500	55,450	17,248	(5,583)	29,014		
K092	OSAGE CO LIBRARY BO	2,292,152	2,827,408	1,789,398	182,281	(169,888)	212,393	-	212,393	1,246	84,888	24,309	109,197	20,716	38,944	7,238	37,488	37,488	48,639	3,314	(18,498)	4,384		
K094	OWEN CO LIBRARY	590,827	738,461	468,722	47,279	(5,500)	56,779	-	56,779	632	80,394	20,848	101,874	5,262	62,247	430	70,938	70,938	9,388	1,177	(4,965)	16,744		
K096	OSAGE COUNTY LIBRARY	740,173	748,695	515,396	48,487	(48,487)	0	-	0	256	3,888	14,309	18,443	1,246	8,456	1,246	10,148	10,148	1,141	(1,141)	(8,488)	4,384		
K096	PENDLETON CO LIBRARY	718,202	807,664	569,771	57,472	(85,132)	97,656	-	97,656	768	97,726	107,621	205,347	6,396	79,314	(6,035)	81,737	81,737	13,117	10,047	(1,317)	20,740		
K097	PERRY CO LIBRARY	16,996,431	10,993,517	12,689,498	1,280,059	(160,207)	90,852	-	90,852	17,102	2,176,465	13,704	2,205,444	142,615	1,766,566	41,899	2,066,599	2,066,599	146,099	(29,871)	(184,420)	454,421		
K098	PYRELL WOODPOINT CO	3,130,307	3,512,496	2,481,171	350,492	(3,267)	149,224	-	149,224	3,267	425,941	60,312	489,399	27,217	145,661	10,263	155,924	155,924	472,903	(81,247)	(2,300)	88,821		
K098	WAYNE CO LIBRARY	739,814	842,295	598,048	60,329	(89,824)	26,513	-	26,513	806	102,285	19,814	118,834	6,714	47,827	18,549	266,599	266,599	4,405	(8,773)	(8,348)	23,617		
K101	SOMERSET CO EDUCATION	1,531,060	1,460,663	1,000,000	155,515	(47,517)	492,517	-	492,517	1,105	724,670	235,137	961,729	47,833	588,908	246,475	822,151	822,151	75,196	(164,811)	(84,816)	151,502		
K101	CITY OF MOUNTAIN DRIVE	50,892	63,409	40,374	4,092	(4,899)	(797)	-	(797)	14	6,295	1,232	8,231	3,613	6,000	371	6,446	6,446	212	145	(428)	3,448		
K103	BOCKWINE CO BOARD DIST	14,362	67,448	43,127	4,350	(12,423)	(8,073)	-	(8,073)	5	7,197	19	7,174	484	6,083	19	25,168	25,168	(10,421)	(8,741)	(657)	1,544		
K103	CITY OF MOREHEAD	4,128,300	5,159,738	3,275,033	390,345	(3,756)	338,571	-	338,571	4,414	541,724	25,461	541,999	36,781	458,827	14,547	511,000	511,000	(5,239)	(16,546)	(84,641)	131,274		
K105	RUSSELL CO BOARD DIST	54,362	67,448	43,127	4,350	(12,423)	(8,073)	-	(8,073)	5	7,197	19	7,174	484	6,083	19	25,168	25,168	(10,421)	(8,741)	(657)	1,544		
K105	CITY OF GEORGETOWN	10,647,108	13,307,584	8,446,968	851,998	(191,596)	1,188,904	-	1,188,904	11,988	1,444,252	547,720	2,000,803	94,817	1,179,799	39,177	1,279,996	1,279,996	132,429	(99,612)	(89,472)	306,468		
K106	CITY OF SHELVILLE	4,429,919	5,536,875	3,114,412	354,409	(343,969)	388,989	-	388,989	4,736	602,782	14,083	621,656	39,415	489,214	13,311	661,978	661,978	(68,209)	(60,814)	(37,227)	125,843		
K107	FRANKLIN COUNTY PARKS BO	475,967	588,828	378,452	47,923	(47,923)	0	-	0	1,138	1,138	0	2,276	2,276	0	4,552	4,552	0	0	0	0	0		
K108	CITY OF TAYLORVILLE	2,165,306	2,766,316	1,717,807	173,271	(57,307)	115,964	-	115,964	2,315	284,633	298,948	298,948	19,283	238,123	16,983	275,389	275,389	(20,248)	(14,430)	(8,896)	61,511		
K108	CAMBERLETT COUNTY FIREWORKS	5,009,624	6,265,421	3,974,300	400,878	(344,897)	56,981	-	56,981	3,366	681,663	86,202	768,211	44,613	693,281	34,288	768,211	768,211	81,798	5,381	(92,288)	142,864		
K110	TODD COUNTY WATER DIST	920,001	1,161,135	737,004	74,340	(12,486)	77,854	-	77,854	933	136,409	18,716	148,118	8,774	102,593	32,523	145,388	145,388	(10,428)	(14,430)	(7,807)	26,304		
K111	CITY OF CANTON	1,882,828	2,388,687	1,582,828	184,887	(184,887)	0	-	0	1,882,828	1,882,828	0	3,765,656	3,765,656	0	7,531,312	7,531,312	0	0	0	0	0		
K112	TRIMBLE CO LIBRARY	678,298	847,789	538,116	54,278	(81,117)	80,415	-	80,415	745	22,296	44,428	137,449	6,941	74,907	2,000	87,497	87,497	29,623	(20,419)	(5,700)	19,248		
K114	WINN CO BOARD OF EDUCATION	18,098,157	18,098,454	12,555,311	1,255,311	(1,255,311)	0	-	0	1,848	1,848	0	3,696	3,696	0	7,392	7,392	7,392	0	0	0	0		
K114	CITY OF BOWLING GREEN	31,389,234	3,267,856	25,695,411	2,591,835	(696,011)	3,267,856	-	3,267,856	7,428	445,598	630,074	1,071,864	1,284,400	3,576,862	8,854	4,466,348	4,466,348	1,805,304	188,914	(18,814)	5,700		
K115	CITY OF SPRINGFIELD	2,076,751	2,095,081	1,447,678	186,385	(48,308)	234,693	-	234,693	2,220	28,284	47,389	332,100	18,494	229,938	14,146	258,186	258,186	33,373	(2,791)	(17,452)	18,899		
K115	WAYNE CO OF ED	1,189,727	1,612,959	1,074,748	118,922	(148,922)	1,474,748	-	1,474,748	14,467	1,490,200	912,277	2,772,904	120,027	1,494,908	65,443	1,688,257	1,688,257	392,320	424,737	(113,729)	384,214		
K117	WERTICER PUBLIC LIBRARY	402,439	502,995	319,958	32,404	(34,488)	(2,084)	-	(2,084)	4,220	49,780	37,720	55,198	3,194	44,643	20,101	66,129	66,129	10,230	(8,741)	(10,230)	8,741		
K117	WERTICER COUNTY BOARD OF EDUCATION	17,213,608	21,632,381	13,741,180	1,445,241	(1,912,818)	1,912,818	-	1,912,818	1,912,818	1,912,818	0	3,825,636	154,274	1,761,760	154,274	2,174,780	2,174,780	19,000	(14,710)	(16,878)	49,124		
K119	CITY OF MERTON	18,461	23,028	14,729	1,835	(1,222)	5,613	-	5,613	186	26,200	15,245	40,708	3,630	20,504	37,811	59,085	59,085	(6,477)	(16,501)	(15,460)	5,272		
K120	CITY OF MERTON BOARD OF EDUCATION	111,117	158,117	5,011	111,117	(111,117)	0	-	0	181,637	158,117	23,520	339,754	57,889	271,869	17,918	289,787	289,787	1,073	(1,073)	0	0		
K137	KY MARRIAGES/ROMANCE ASSOC	557,502	696,804	442,284	113,439	(89,883)	54,537	-	54,537	596	78,389	84,939	163,328	4,965	64,507	8,499	73,006	73,006	(6,276)	(14,546)	(6,468)	15,818		
K137	ADANT CITY OF MERTON	141,127	176,118	112,118	14,112	(14,112)	0	-	0	151	15,218	16,729	31,947	1,639	15,607	2,129	17,736	17,736	(1,161)	(1,161)	(2,129)	1,161		
K141	WESTERN HAVES/SCOTTSVILLE	58,561	646,882	404,882	24,882	(24,882)	0	-	0	74,939	101,417	46,882	149,301	4,779	94,888	14,728	114,606	114,606	14,680	(14,680)	(4,680)	15,238		
K142	CITY OF FERGUSON	1,229	1,136	975	28	(1,644)	(1,586)	-	(1,586)	1	1	1	2	1	1	1	2	2	0	(0)	(0)	0		
K142	GREEN RIVER EDUCATION	394,424	424,294	284,294	28,424	(28,424)	0	-	0	3,812	34,986	31,174	28,397	1,816	32,581	1,816	34,397	34,397	1,816	(1,816)	(1,816)	1,816		
K142	NORTHERN INDIAN WATER SER	24,663,511	30,826,133	19,566,511	1,973,412	(388,381)	2,361,993	-	2,361,993	26,388	1,336,966	341,586	1,725,900	219,619	2,723,403	437,018	3,160,344	3,160,344	42,208	(100,006)	(207,258)	700,011		
K142																								

KPPA Board Meeting - Joint Audit Committee Report and Recommendations

Kentucky Public Pensions Authority
Schedule B-Schedule of Pension Amounts by
Employer Fiscal Year Ended June 30, 2022

County Employees Retirement System (Non-Hazardous)

Employers are presented in order by assigned employer reporting code. There are separate schedules for Non-Hazardous and Hazardous and as such reporting employers may appear on multiple schedules.

Employer Code	Participating Employer Name	Net Pension Liability as of June 30, 2022			Pension Expenses			Deferred Amounts from Changes in Pension Plan			Outstanding Balance of Deferred Resources			Change in Pension Expense & Proportionate Share of Plan Contributions			Outstanding Balance of Deferred Resources			Recognition of Existing Deferred Outflows (Inflows) of Resources for Future Measurement Period Ending June 30						
		Discount Rate 6.25%	Discount Rate Less 1.00% 5.25%	Discount Rate Plus 1.00% 7.25%	Proportionate Share of Aggregate Plan Pension Expense	Proportionate Share of Pension & Proportionate Share of Plan Contributions	Gross Pension Expense	Proportionate Share of Nonemployer Contributions	Net Pension Expense	Liability Experience	Investment Experience	Pension Expense & Proportionate Share of Plan Contributions	Total Deferred Outflows of Resources	Liability Experience	Investment Experience	Pension Expense & Proportionate Share of Plan Contributions	Total Deferred Outflows of Resources	Liability Experience	Investment Experience	Pension Expense & Proportionate Share of Plan Contributions	2023	2024	2025	2026		
																									(1)	(2)
L067	LEITCH COUNTY CONSOLID	16,475	15,857	16,510	7,401	1,006	8,086	-	8,086	300	16,739	1,517	14,838	7,401	10,552	176,300	14,838	10,552	176,300	1,250	1,406	1,574	1,742	2,000		
L068	HOUSING AUTH OF VANCEBURG	224,750	280,510	178,301	17,885	1,833,927	1,827,755	-	1,827,755	240	30,582	3,847	34,669	17,885	24,820	1,939	38,766	24,820	1,939	38,766	45,213	58,384	72,501	86,601		
L070	STANFORD WATER COMMISSION	430,569	528,547	343,377	34,654	6,400	1,827,755	-	1,827,755	1,505	197,941	-	199,466	34,654	160,623	30,567	204,145	34,654	160,623	30,567	204,145	23,631	30,567	39,453	46,382	
L071	RUSSELLVILLE CITY SCHOOLS	3,916,969	4,899,725	3,107,458	313,422	(9,877)	237,565	-	237,565	4,188	532,382	11,104	548,736	313,422	432,565	339,934	796,489	313,422	432,565	339,934	796,489	1,211,233	1,551,522	1,929,518	2,329,518	
L072	CITY OF FORTY	926,203	1,146,096	737,348	73,274	1,963	651,911	-	651,911	4,546	29,564	216,300	230,410	73,274	115,776	115,776	230,410	73,274	115,776	115,776	230,410	28,344	36,848	47,342	58,846	
L073	CITY OF PADUCAH	12,840,791	28,548,135	18,130,327	1,827,755	4,167	1,833,927	-	1,833,927	24,400	3,107,947	209,830	3,529,100	1,827,755	2,529,933	380,889	3,165,889	1,827,755	2,529,933	380,889	3,165,889	15,849	188,137	241,943	314,889	
L074	HOUSING AUTH MCKAYSBY CO	430,569	528,547	343,377	34,654	6,400	1,827,755	-	1,827,755	1,505	197,941	-	199,466	34,654	160,623	30,567	204,145	34,654	160,623	30,567	204,145	4,128	5,318	6,508	7,698	
L075	CITY OF LIVERMORE	621,551	739,861	493,096	49,737	30,866	80,933	-	80,933	2,665	34,574	35,662	72,861	49,737	66,400	6,743	74,143	49,737	66,400	6,743	74,143	26,286	33,800	42,314	50,828	
L076	BEWA CO	3,871,634	4,508,054	2,912,618	293,888	(223,939)	11,849	-	11,849	8,125	109,197	228,043	246,185	293,888	405,478	251,142	647,148	293,888	405,478	251,142	647,148	(79,727)	10,349	21,541	32,733	
L077	CITY OF SALVERSVALE	2,186,968	2,644,448	1,681,866	169,569	249	189,789	-	189,789	2,665	286,134	169,569	455,313	169,569	234,005	128,759	363,274	169,569	234,005	128,759	363,274	4,066	5,346	6,626	7,906	
L078	MARION FREE PUBLIC LIBRARY	627,041	781,728	497,454	50,177	(17,300)	(7,131)	-	(7,131)	60	8,522	10,750	18,972	50,177	65,848	6,354	136,186	50,177	65,848	6,354	136,186	(44,727)	17,749	35,201	52,653	
L079	MIRABELL COOKS & BATES	20,881	24,846	16,200	7,302	3,884	10,792	-	10,792	98	12,569	16,177	31,797	7,302	8,814	9,507	24,307	7,302	8,814	9,507	24,307	1,096	1,431	1,767	2,102	
L080	MARTIN CO CONSERV DIST	62,097	77,614	49,734	4,569	(1,024)	3,945	-	3,945	14	8,420	1,377	8,653	4,569	6,088	1,629	136,186	4,569	6,088	1,629	136,186	(7,749)	(5,700)	(3,651)	(1,602)	
L081	LEWIS & CLARK COUNTY	18,484,681	20,800,000	13,077,611	1,848,811	(40,823)	832,394	-	832,394	17,624	2,243,021	1,377	2,360,966	1,848,811	1,800,404	494,484	3,769,229	1,848,811	1,800,404	494,484	3,769,229	199,706	264,607	339,508	414,409	
L082	MINIFIELD CO PUBLIC LIBRARY	109,301	136,615	86,713	8,747	(7,566)	671	-	671	117	14,873	40,160	55,150	8,747	12,071	18,181	131,225	8,747	12,071	18,181	131,225	(17,470)	(5,200)	(1,781)	(716)	
L083	BURGESS COUNTY	2,062,992	2,555,468	1,600,799	163,481	(18,813)	649,390	-	649,390	2,488	348,644	189,299	537,943	163,481	224,933	129,208	779,228	163,481	224,933	129,208	779,228	119,829	152,360	194,891	237,422	
L084	METCALFE CO PUBLIC LIB	373,881	463,309	296,615	29,919	(14,157)	15,762	-	15,762	70	107	14,873	40,160	29,919	37,107	51,510	3,130	25,586	29,919	37,107	51,510	(15,438)	(11,751)	(8,064)	(4,378)	
L085	MONTGOMERY CO SAN DIST #2	256,400	318,768	202,311	20,409	32,068	25,477	-	25,477	273	3,208	71,931	105,707	20,409	28,165	1,279	131,719	20,409	28,165	1,279	131,719	39,481	50,608	61,735	72,861	
L086	MORGAN COUNTY LIBRARY	396,174	486,173	302,624	28,502	(3,073)	25,229	-	25,229	361	46,465	1,106	49,571	28,502	37,312	24,796	97,299	28,502	37,312	24,796	97,299	(15,500)	(10,602)	(5,704)	(1,200)	
L087	CITY OF NEW MADRID	286,244	350,275	196,248	28,502	(3,073)	25,229	-	25,229	361	46,465	1,106	49,571	28,502	37,312	24,796	97,299	28,502	37,312	24,796	97,299	(15,500)	(10,602)	(5,704)	(1,200)	
L091	NICHOLAS COUNTY LIBRARY	60,145	75,374	47,718	4,813	(681,500)	(633,377)	-	(633,377)	54	8,184	321	8,399	4,813	6,602	14,588	130,940	4,813	6,602	14,588	130,940	(24,133)	(19,055)	(13,970)	(8,886)	
L092	CHILD OF WATER COUNTY	2,411,454	3,044,023	1,913,094	329,268	(81,300)	215,728	-	215,728	2,578	338,123	3,328	344,013	329,268	417,475	266,306	110,023	402,804	329,268	417,475	266,306	110,023	139,077	182,061	225,045	268,029
L093	LARSHUR FRUIT COOP	1,509,883	1,884,437	1,198,098	120,647	(11,541)	109,106	-	109,106	1,612	205,151	51,531	256,738	120,647	162,489	102,553	342,479	120,647	162,489	102,553	342,479	(48,343)	(74,002)	(102,670)	(138,328)	
L096	PENICONT COUNTY WATER	1,509,883	1,884,437	1,198,098	120,647	(11,541)	109,106	-	109,106	1,612	205,151	51,531	256,738	120,647	162,489	102,553	342,479	120,647	162,489	102,553	342,479	(48,343)	(74,002)	(102,670)	(138,328)	
L099	POWELLVILLE WATER DIST	720,443	900,465	575,253	57,651	(17,820)	39,731	-	39,731	3,700	44,981	40,447	138,448	57,651	79,561	5,322	139,209	57,651	79,561	5,322	139,209	14,945	19,384	23,823	28,262	
L100	SENECA HI CO OF ED	1,509,883	1,884,437	1,198,098	120,647	(11,541)	109,106	-	109,106	1,612	205,151	51,531	256,738	120,647	162,489	102,553	342,479	120,647	162,489	102,553	342,479	(48,343)	(74,002)	(102,670)	(138,328)	
L102	CITY OF MOUNT VERNON	2,976,329	3,720,043	2,363,211	238,170	(28,939)	2,071	-	2,071	3,192	40,883	40,447	138,448	238,170	312,479	205,566	326,827	238,170	312,479	205,566	326,827	131,518	172,560	213,604	254,646	
L103	MOREHEAD UTILITY PLANT ED	5,533,484	6,816,419	4,387,518	442,528	(10,629)	431,899	-	431,899	5,913	751,313	97,983	850,226	442,528	610,752	386,730	1,044,073	442,528	610,752	386,730	1,044,073	(123,209)	(177,480)	(231,749)	(286,017)	
L105	GREENWOOD COUNTY	2,425,540	2,952,057	1,781,465	179,622	(16,737)	162,885	-	162,885	1,809	22,185	202,739	224,924	179,622	237,814	152,808	432,622	179,622	237,814	152,808	432,622	149,828	198,470	247,112	295,654	
L106	GREENSPAN COUNTY	429,275	540,183	338,448	34,654	(3,884)	30,770	-	30,770	4,007	50,884	5,008	55,892	34,654	45,864	14,144	100,048	34,654	45,864	14,144	100,048	18,481	24,642	30,803	37,312	
L107	CITY OF FRANKLIN	5,788,560	7,234,982	4,592,249	463,209	(118,440)	372,069	-	372,069	6,189	797,450	3,094	798,639	463,209	619,252	208,285	897,668	463,209	619,252	208,285	897,668	(156,833)	(215,118)	(284,444)	(364,441)	
L109	FRANKLIN COUNTY	1,509,883	1,884,437	1,198,098	120,647	(11,541)	109,106	-	109,106	1,612	205,151	51,531	256,738	120,647	162,489	102,553	342,479	120,647	162,489	102,553	342,479	(48,343)	(74,002)	(102,670)	(138,328)	
L110	CAMPBELLVILLE CITY SCHO	1,547,460	1,977,736	1,301,621	163,509	(14,381)	509,200	-	509,200	4,887	63,117	246,189	250,936	163,509	214,626	1,546	340,867	163,509	214,626	1,546	340,867	102,418	133,240	164,062	194,891	
L111	FRANKLIN COUNTY	1,509,883	1,884,437	1,198,098	120,647	(11,541)	109,106	-	109,106	1,612	205,151	51,531	256,738	120,647	162,489	102,553	342,479	120,647	162,489	102,553	342,479	(48,343)	(74,002)	(102,670)	(138,328)	
L112	HOUSING AUTH OF CADIZ	320,824	400,990	254,210	25,673	3,444	30,117	-	30,117	343	4,154	4,664	48,161	25,673	34,400	7,968	46,202	25,673	34,400	7,968	46,202	6,571	8,551	10,531	12,511	
L113	CITY OF BORDO	320,824	400,990	254,210	25,673	3,444	30,117	-	30,117	343	4,154	4,664	48,161	25,673	34,400	7,968										

KPPA Board Meeting - Joint Audit Committee Report and Recommendations

Kentucky Public Pensions Authority
Schedule B-Schedule of Pension Amounts by
Employer Fiscal Year Ended June 30, 2022

County Employees Retirement System (Non-Hazardous)

Employers are presented in order by assigned employer reporting code. There are separate schedules for Non-Hazardous and Hazardous and as such reporting employers may appear on multiple schedules.

Employer Code	Participating Employer Name	Net Pension Liability as of June 30, 2022				Pension Expenses				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															
		Discount Rate 6.25%		Discount Rate Less 1.00% 5.25%		Proportionate Share of Aggregate Plan Pension Expense		Deferred Amounts from Changes in Proportionate Share of Aggregate Plan Pension Expense and Proportionate Share of Plan Contributions		Gross Employer Pension Expense		Proportionate Share of Nonemployer Pension Expense		Net Employer Pension Expense		Liability Experience		Investment Experience		Differences Between Employer Contributions and Proportionate Share of Plan Contributions		Total Deferred Inflow of Resources		Total Deferred Outflow of Resources		2023		2024		2025		2026	
		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	(Y)	(Z)	(AA)	(AB)	(AC)	(AD)		
M075	LEBANON WATER WORKS	1,960,075	1,448,850	1,554,099	1,554,099	155,848	145,509	171,357	171,357	171,357	171,357	171,357	171,357	2,006	266,397	4,777	273,550	17,455	161,658	1,354	255,457	1,354	255,457	(2,138)	1,350	(16,471)	(55,881)	(55,881)	(55,881)	(55,881)			
M079	MARSHALL CO RESERVE DIST	1,752,241	1,290,081	1,390,518	1,390,518	140,247	(13,931)	127,886	127,886	127,886	127,886	127,886	127,886	1,873	284,427	7,364	247,656	15,504	193,556	126,381	335,485	126,381	335,485	(63,483)	(9,417)	(14,725)	(40,778)	(40,778)	(40,778)	(40,778)	(40,778)		
M080	MARTIN CO HOUSING AUTH	9,294,343	11,658,775	7,973,948	7,973,948	784,747	180,763	934,510	934,510	934,510	934,510	934,510	934,510	9,937	1,264,682	53,517	1,807,131	82,776	1,006,408	1,006,408	1,006,408	1,006,408	1,006,408	1,006,408	1,006,408	1,006,408	1,006,408	1,006,408	1,006,408	1,006,408	1,006,408	1,006,408	
M082	CITY OF BRANDBURG	1,384,356	1,750,273	1,098,254	1,098,254	110,728	(103,107)	50,761	50,761	50,761	50,761	50,761	50,761	1,480	188,369	45,611	235,460	12,328	152,880	300,825	466,433	118,379	(139,887)	(118,379)	(139,887)	(118,379)	(139,887)	(118,379)	(139,887)	(118,379)	(139,887)		
M084	MERCER COUNTY BOARD OF	9,424,031	11,777,095	7,470,581	7,470,581	704,644	(163,481)	561,163	561,163	561,163	561,163	561,163	561,163	10,816	1,000,938	62,165	1,063,103	10,816	1,000,938	1,000,938	1,000,938	1,000,938	1,000,938	1,000,938	1,000,938	1,000,938	1,000,938	1,000,938	1,000,938	1,000,938	1,000,938	1,000,938	
M085	CITY OF EDMONTON	2,138,559	2,472,933	1,696,587	1,696,587	171,311	52,976	236,107	236,107	236,107	236,107	236,107	236,107	2,539	290,994	15,210	306,490	19,945	269,169	12,240	267,454	63,732	(5,377)	(17,971)	(63,732)	(63,732)	(63,732)	(63,732)	(63,732)	(63,732)	(63,732)	(63,732)	
M086	MERCER COUNTY BOARD OF	921,289	1,108,999	722,865	722,865	72,832	27,884	112,693	112,693	112,693	112,693	112,693	112,693	6,057	62,147	49,794	80,446	4,146	60,657	23,208	223,605	23,208	223,605	23,208	223,605	23,208	223,605	23,208	223,605	23,208	223,605	23,208	223,605
M088	MORGAN CO CONSERVAT DIST	85,736	107,159	68,011	68,011	6,861	(2,092)	3,969	3,969	3,969	3,969	3,969	3,969	92	1,166	1,000	11,658	764	9,608	7,752	17,984	(2,564)	(4,777)	(2,564)	(4,777)	(2,564)	(4,777)	(2,564)	(4,777)	(2,564)	(4,777)	(2,564)	(4,777)
M090	MADISON TWP BELE ED	16,466,448	18,433,432	10,083,511	10,083,511	1,077,821	(1,077,821)	5,345,496	5,345,496	5,345,496	5,345,496	5,345,496	5,345,496	14,388	1,424,846	62,145	2,449,996	119,924	5,482,111	96,465	209,846	209,846	209,846	209,846	209,846	209,846	209,846	209,846	209,846	209,846	209,846	209,846	209,846
M091	KETCHICAN CO WATER DIST	375,310	465,115	297,742	297,742	30,035	9,217	5,349	5,349	5,349	5,349	5,349	5,349	405	41,076	31,477	69,709	3,342	44,449	454	45,207	1,044	(634)	(1,044)	(634)	(1,044)	(634)	(1,044)	(634)	(1,044)	(634)	(1,044)	
M092	CITY OF BEAVER DAM	2,224,221	2,780,001	1,764,549	1,764,549	177,866	(63,998)	238,584	238,584	238,584	238,584	238,584	238,584	2,376	302,665	19,823	364,849	19,408	266,629	14,446	266,243	34,000	26,417	(18,691)	(34,000)	(18,691)	(34,000)	(18,691)	(34,000)	(18,691)	(34,000)	(18,691)	
M093	COSMATH CO WATER DIST	1,186,260	1,932,420	1,137,762	1,137,762	154,699	(116,683)	386,652	386,652	386,652	386,652	386,652	386,652	1,407	431,555	118,914	551,879	28,175	353,670	21,146	404,396	17,644	(48,111)	(28,175)	(48,111)	(28,175)	(48,111)	(28,175)	(48,111)	(28,175)	(48,111)	(28,175)	
M094	CITY OF FARMINGTON	2,316,742	2,894,396	1,837,412	1,837,412	185,309	(48,796)	130,523	130,523	130,523	130,523	130,523	130,523	2,478	313,201	79,212	390,999	20,623	275,796	114,892	390,263	(4,040)	(48,462)	(14,460)	(48,462)	(14,460)	(48,462)	(14,460)	(48,462)	(14,460)	(48,462)	(14,460)	
M097	CITY OF CONCORDY PARK PRO	6,086,179	7,600,460	4,484,749	4,484,749	468,004	(48,796)	536,565	536,565	536,565	536,565	536,565	536,565	6,057	628,147	49,794	678,046	40,000	621,139	92,551	621,678	(22,574)	(44,491)	(22,574)	(44,491)	(22,574)	(44,491)	(22,574)	(44,491)	(22,574)	(44,491)	(22,574)	
M098	PAVE CO HOUSING AUTHORITY	52,482	65,962	418,969	418,969	42,664	(64,986)	(10,977)	(10,977)	(10,977)	(10,977)	(10,977)	(10,977)	362	71,521	23,476	72,088	4,481	58,006	10,257	79,908	(10,977)	(5,441)	(4,481)	(4,481)	(4,481)	(4,481)	(4,481)	(4,481)	(4,481)	(4,481)	(4,481)	
M099	TRIGGS COUNTY DISTRICT	801,211	978,331	732,919	732,919	80,848	(24,687)	86,666	86,666	86,666	86,666	86,666	86,666	8,603	123,197	15,736	138,796	8,203	103,233	10,000	103,233	(10,000)	(11,441)	(10,000)	(11,441)	(10,000)	(11,441)	(10,000)	(11,441)	(10,000)	(11,441)	(10,000)	(11,441)
M100	PULASKI CO RD NO 10	1,007,853	1,053,082	218,576	218,576	2,066,275	(1,053,082)	1,348,523	1,348,523	1,348,523	1,348,523	1,348,523	1,348,523	5,166	4,091,344	11,413	4,123,480	267,767	3,320,503	1,402,082	1,402,082	1,402,082	1,402,082	1,402,082	1,402,082	1,402,082	1,402,082	1,402,082	1,402,082	1,402,082	1,402,082	1,402,082	
M104	RUSSELL CO PUBLIC LIBRARY	446,563	608,133	210,711	210,711	21,527	(21,527)	75,096	75,096	75,096	75,096	75,096	75,096	491	71,778	18,413	111,417	5,768	74,483	11,136	89,496	15,164	(4,481)	(4,481)	(4,481)	(4,481)	(4,481)	(4,481)	(4,481)	(4,481)	(4,481)	(4,481)	
M106	SHELBY CO PD OF ID	2,605,228	3,351,233	21,066,775	21,066,775	2,128,590	(825,007)	2,953,917	2,953,917	2,953,917	2,953,917	2,953,917	2,953,917	28,444	1,620,175	1,418,304	3,068,932	236,911	1,121,125	4,295,146	1,121,125	4,295,146	(262,720)	502,242	(232,575)	755,796	755,796	755,796	755,796	755,796	755,796	755,796	
M108	SPENCER CO PUBLIC OF	644,900	806,045	511,623	511,623	51,626	(55,576)	67,182	67,182	67,182	67,182	67,182	67,182	1,681	87,752	6,684	95,132	5,743	72,129	15,650	92,612	(23,202)	(17,478)	(23,202)	(17,478)	(23,202)	(17,478)	(23,202)	(17,478)	(23,202)	(17,478)	(23,202)	
M109	TRIGGS COUNTY DISTRICT	801,211	978,331	732,919	732,919	80,848	(24,687)	86,666	86,666	86,666	86,666	86,666	86,666	8,603	123,197	15,736	138,796	8,203	103,233	10,000	103,233	(10,000)	(11,441)	(10,000)	(11,441)	(10,000)	(11,441)	(10,000)	(11,441)	(10,000)	(11,441)	(10,000)	
M110	CITY OF GUTHRIE	1,258,017	1,567,366	994,852	994,852	103,348	(82,214)	189,522	189,522	189,522	189,522	189,522	189,522	3,341	170,534	71,473	248,448	11,188	138,466	70,886	220,542	(17,320)	(17,320)	(17,320)	(17,320)	(17,320)	(17,320)	(17,320)	(17,320)	(17,320)	(17,320)	(17,320)	
M111	TRIGGS COUNTY DISTRICT	801,211	978,331	732,919	732,919	80,848	(24,687)	86,666	86,666	86,666	86,666	86,666	86,666	8,603	123,197	15,736	138,796	8,203	103,233	10,000	103,233	(10,000)	(11,441)	(10,000)	(11,441)	(10,000)	(11,441)	(10,000)	(11,441)	(10,000)	(11,441)	(10,000)	
M112	CITY OF MILTON	774,155	967,598	614,162	614,162	61,449	(208)	61,744	61,744	61,744	61,744	61,744	61,744	828	105,339	14,880	120,747	6,894	85,493	11,990	106,367	4,094	(5,000)	(5,000)	(5,000)	(5,000)	(5,000)	(5,000)	(5,000)	(5,000)	(5,000)	(5,000)	
M113	WEST STUBBS	1,577,668	1,878,478	1,255,288	1,255,288	123,337	(16,432)	106,905	106,905	106,905	106,905	106,905	106,905	2,487	234,676	35,643	270,319	14,650	212,627	17,200	229,827	(17,200)	(17,200)	(17,200)	(17,200)	(17,200)	(17,200)	(17,200)	(17,200)	(17,200)	(17,200)	(17,200)	(17,200)
M115	WASHINGTON CO LIBRARY BD	412,849	516,010	327,216	327,216	33,037	(16,432)	49,379	49,379	49,379	49,379	49,379	49,379	481	56,135	15,200	71,007	8,694	65,493	10,067	75,565	(10,067)	(10,067)	(10,067)	(10,067)	(10,067)	(10,067)	(10,067)	(10,067)	(10,067)	(10,067)	(10,067)	
M116	WAYNE CO PUBLIC LIBRARY	518,082	648,281	411,619	411,619	45,506	(16,003)	(21,495)	(21,495)	(21,495)	(21,495)	(21,495)	(21,495)	1,555	103,377	7,132	110,510	4,610	97,260	7,236	108,638	(53,170)	(22,005)	(53,170)	(22,005)	(53,170)	(22,005)	(53,170)	(22,005)	(53,170)	(22,005)	(53,170)	
M117	WAYNE CO PUBLIC LIBRARY	9,005,050	11,256,465	4,144,786	4,144,786	729,278	(55,448)	722,256	722,256	722,256																							

KPPA Board Meeting - Joint Audit Committee Report and Recommendations

Kentucky Public Pensions Authority
Schedule B-Schedule of Pension Annuities by
Employer Fiscal Year Ended June 30, 2022

County Employees Retirement System (Non-Hazardous)

Employers are presented in order by assigned employer reporting code. There are separate schedules for Non-Hazardous and Hazardous and as such reporting employers may appear on multiple schedules.

Employer Code	Participating Employer Name	Net Pension Liability as of June 30, 2022			Pension Expenses					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, 2025					
		Discount Rate 6.25%	Discount Rate Less 1.00% 5.25%	Discount Rate Plus 1.00% 7.25%	Proportionate Share of Aggregate Plan Pension Expense (a)	Deferred Amounts from Changes in Proportionate Share of Aggregate Plan Pension Expense (b)	Proportionate Share of Pension Expense (c)	Gross Pension Expense (d)	Proportionate Share of Nonemployer Pension Expense (e)	Net Pension Expense (f)	Liability Experience (g)	Investment Experience (h)	Proportionate Share of Differences Between Employer Contributions & Proportionate Share of Plan Contributions (i)	Total Deferred Outflows of Resources (j)	Liability Experience (k)	Investment Experience (l)	Proportionate Share of Differences Between Employer Contributions & Proportionate Share of Plan Contributions (m)	Total Deferred Inflows of Resources (n)	2023	2024	2025	2026			
																							(o)	(p)	(q)
T036	FLOYD COUNTY CONV DIST	725,787	544,689	718,779	27,609	5,215	25,394	-	25,394	395	27,730	5,481	41,110	7,405	30,405	4,082	37,407	845	15,740	13,138	7,822				
V001	ADAM COUNTY FISCAL COURT	5,788,255	9,228,051	4,538,866	462,868	279,423	742,291	-	742,291	6,749	787,059	552,154	1,345,407	5,512	638,745	4,030	694,333	2,760	258,023	146,688	164,338				
V002	ANDERSON COUNTY FISCAL COURT	6,332,736	7,890,137	5,038,095	505,155	1,803,292	311,655	-	311,655	6,149	854,774	552,154	1,345,407	5,512	638,745	4,030	694,333	2,760	258,023	146,688	164,338				
V003	ANDERSON COUNTY FISCAL COURT	8,649,479	10,832,023	6,888,987	694,795	2,458,211	1,905,228	-	1,905,228	9,241	1,148,225	781,987	1,925,065	77,232	546,627	41,800	598,427	3,467	322,381	172,803	226,625				
V004	BALLARD COUNTY FISCAL CT	6,745,971	8,431,637	5,351,794	539,823	2,148,438	726,261	-	726,261	7,212	917,252	178,459	4,103,596	60,076	744,982	249,700	1,054,765	25,425	105,540	66,689	151,613				
V005	BARRER COUNTY FISCAL CT	6,670,248	8,833,958	5,702,078	572,511	7,592	380,727	-	380,727	4,900	4,900	4,900	4,900	41,907	315,633	38,674	465,212	46,878	190,232	102,220	132,268				
V006	BATH CO FISCAL COURT	3,682,026	4,650,275	2,921,068	294,611	3,097	297,738	-	297,738	3,077	297,738	80,713	588,823	33,790	406,620	33,790	460,410	23,322	462,732	22,425	130,742				
V007	BEAR CREEK FISCAL COURT	5,876,544	7,470,644	4,762,294	472,644	1,470,461	358,288	-	358,288	2,641	358,288	272,349	574,279	52,122	360,096	405,233	2,133,266	128,092	184,079	102,220	132,268				
V008	BOONE CO FISCAL CT	28,586,989	35,730,110	22,679,970	2,287,574	382,700	2,670,274	-	2,670,274	20,553	3,889,533	50,142	3,970,138	234,840	3,158,066	45,531	3,457,079	15,028	137,448	104,220	132,268				
V009	BURTON COUNTY FISCAL COURT	8,819,796	10,848,834	6,762,298	849,690	1,248,288	378,488	-	378,488	2,641	378,488	272,349	574,279	52,122	360,096	405,233	2,133,266	128,092	184,079	102,220	132,268				
V010	BYRD COUNTY FISCAL COURT	20,561,561	26,203,105	16,631,004	1,677,536	499,401	2,176,937	-	2,176,937	35,513	2,851,533	296,461	3,048,017	186,670	2,151,083	30,845	2,577,728	10,545	138,466	104,220	132,268				
V011	BOYD COUNTY FISCAL COURT	9,317,801	11,996,131	7,233,449	720,621	88,724	798,335	-	798,335	9,746	1,246,641	91,384	1,342,151	81,118	606,913	117,691	1,229,504	24,941	142,580	104,220	132,268				
V012	BRACKEN CO FISCAL COURT	3,757,744	4,696,078	2,981,114	300,609	84,287	216,965	-	216,965	4,057	511,312	143,107	654,418	31,664	414,878	47,410	532,285	79,829	121,415	111,778	106,244				
V013	BRADLET COUNTY FISCAL COURT	3,725,425	4,718,812	2,995,145	375,425	16,265	348,380	-	348,380	4,098	351,722	34,924	351,800	33,422	410,984	22,270	472,254	30,424	7,076	181,272	107,201				
V014	BRECKENRIDGE COUNTY FISCAL COURT	6,261,345	8,450,181	5,185,111	612,713	9,818	551,011	-	551,011	7,233	920,561	119,119	1,046,103	62,148	347,272	370,654	1,185,364	100,211	171,177	116,452	152,181				
V015	BUTLER COUNTY FISCAL CT	6,097,455	7,546,052	4,789,700	488,126	92,840	579,846	-	579,846	4,455	841,517	114,136	944,188	33,746	666,718	4,157	734,665	34,974	44,797	60,730	173,815				
V017	BULLOCK COUNTY FISCAL COURT	9,973,885	12,600,000	7,892,200	987,885	1,122,222	2,110,107	-	2,110,107	4,214	541,089	26,710	574,173	35,603	441,409	37,283	548,645	15,623	121,763	104,220	132,268				
V018	CALLOWAY COUNTY FISCAL COURT	10,656,710	13,318,134	8,453,313	882,486	119,843	678,643	-	678,643	10,828	1,449,211	7,724	1,456,939	94,804	1,176,729	134,960	1,606,611	128,992	132,738	104,220	132,268				
V019	CAMPBELL COUNTY FISCAL COURT	22,348,688	28,148,181	17,879,910	1,801,488	1,042,796	2,844,284	-	2,844,284	24,025	1,046,106	112,811	1,158,917	20,099	2,488,887	2,022,476	4,891,111	1,167,949	1,771,175	1,891,381	642,212				
V020	CARLETON COUNTY FISCAL COURT	2,998,390	3,824,189	2,479,795	298,538	65,111	363,649	-	363,649	3,900	404,311	186,201	590,512	24,657	340,751	2,022,476	4,891,111	1,167,949	1,771,175	1,891,381	642,212				
V021	CARROLL CO FISCAL COURT	7,696,875	9,826,139	6,106,176	615,916	117,580	733,496	-	733,496	8,229	1,040,314	111,811	1,152,125	68,544	848,954	6,918	918,538	84,885	8,139	64,400	218,621				
V022	CARRIAGE COUNTY FISCAL CT	6,086,282	7,821,688	4,946,131	608,282	183,813	424,469	-	424,469	4,844	579,268	75,769	655,037	81,888	542,769	2,022,476	4,891,111	1,167,949	1,771,175	1,891,381	642,212				
V023	CADEY COUNTY FISCAL COURT	6,032,612	7,540,015	4,785,863	487,739	107,240	352,495	-	352,495	6,450	820,853	3,179	830,487	53,723	666,203	286,469	1,006,395	199,408	88,737	107,665	173,774				
V024	CALDWELL COUNTY FISCAL COURT	9,382,988	11,942,705	7,294,923	935,985	1,492,538	343,345	-	343,345	3,821	541,136	29,376	570,512	81,888	416,587	439,968	1,377,565	183,973	312,343	172,708	252,243				
V025	CLARK COUNTY FISCAL COURT	9,128,727	11,522,155	7,313,511	973,696	83,729	890,275	-	890,275	9,652	1,254,393	598,013	1,852,738	82,097	1,018,028	215,775	1,315,938	92,338	199,408	107,665	173,774				
V026	CLAY COUNTY FISCAL COURT	6,032,612	7,540,015	4,785,863	487,739	107,240	352,495	-	352,495	6,450	820,853	3,179	830,487	53,723	666,203	286,469	1,006,395	199,408	88,737	107,665	173,774				
V027	CLINTON CO FISCAL COURT	4,689,027	5,860,702	3,719,955	375,223	207,898	483,424	-	483,424	5,008	637,258	56,465	693,723	45,478	517,827	584,104	1,127,688	158,151	120,200	132,268	132,268				
V028	CUTLER COUNTY FISCAL COURT	6,032,612	7,540,015	4,785,863	487,739	107,240	352,495	-	352,495	6,450	820,853	3,179	830,487	53,723	666,203	286,469	1,006,395	199,408	88,737	107,665	173,774				
V029	DARTMOUTH COUNTY FISCAL COURT	17,683,396	22,102,101	14,028,801	1,415,052	200,182	1,555,844	-	1,555,844	18,036	207,258	24,888	222,146	15,748	1,052,842	61,129	2,178,440	138,144	113,351	148,601	150,241				
V031	EDMONSON COUNTY FISCAL COURT	5,024,787	6,287,838	3,978,718	460,289	30,884	722,125	-	722,125	5,361	662,380	479,364	1,157,965	46,659	533,799	296,885	862,101	296,885	362,101	424,241	142,469				
V032	ELLIOTT COUNTY FISCAL COURT	2,525,609	2,820,891	1,790,248	269,623	20,893	230,890	-	230,890	2,413	240,622	6,812	249,026	32,096	249,266	1,306	270,648	25,828	15,919	27,048	34,252				
V033	ETHEL OF FISCAL COURT	5,653,956	7,296,744	4,485,466	452,438	125,452	607,890	-	607,890	6,985	785,334	127,270	912,604	50,151	628,847	32,844	671,531	32,844	47,513	100,607	140,617				
V034	ETHEL OF FISCAL COURT	8,453,010	10,791,137	6,715,111	815,010	47,812	872,822	-	872,822	10,242	1,175,133	87,403	1,262,536	62,148	725,211	2,000	948,421	81,839	121,415	116,561	97,116				
V036	FLOYD COUNTY CONV DIST	10,769,712	13,475,801	8,533,478	862,769	203,526	1,066,295	-	1,066,295	11,927	1,447,004	136,095	1,583,199	90,516	1,306,664	105,283	1,411,948	128,889	105,283	147,803	306,246				
V038	FULTON COUNTY FISCAL COURT	18,114,165	23,156,111	14,651,111	1,813,665	1,077,816	3,891,481	-	3,891,481	15,728	1,877,222	174,444	2,051,666	112,811	1,566,854	140,111	1,706,965	104,111	144,611	184,611	214,611				
V039	FULTON COUNTY FISCAL COURT	7,488,872	9,856,142	5,934,814	998,811	133,199	264,472	-	264,472	11,598	1,043,293	77,444	1,120,737	66,426	826,340	334,135	1,160,475	123,943	75,427	106,803	212,518				
V040	GADSDEN COUNTY FISCAL COURT	4,184,109	5,248,109	3,184,109	418,109	1,118,109	618,109	-	618,109	4,184	4,184	4,184	4,184	4,184	4,184	4,184	4,184	4,184	4,184	4,184	4,184				
V040	GADSDEN COUNTY FISCAL COURT	6,349,387	7,939,944	5,077,917	608,088	96,543																			

KPPA Board Meeting - Joint Audit Committee Report and Recommendations

Kentucky Public Pensions Authority
Schedule B-Schedule of Employer Contributions by
Employer Fiscal Year Ended June 30, 2022

County Employees Retirement System (Non-Hazardous)

Employers are presented in order by assigned employer reporting code. There are separate schedules for Non-Hazardous and Hazardous and as such reporting employers may appear on multiple schedules.

Employer Code	Participating Employer Name	Net Pension Liability as of June 30, 2022			Pension Expense					Outstanding Balance of Deferred Outflows of Resources					Recognition of Existing Deferred Outflows (Inflows) of Resources for Future Measurement Period Ending June 30, 2025						
		Discount Rate 6.25%	Discount Rate Less 1.00% 5.25%	Discount Rate Plus 1.00% 7.25%	Proportionate Share of Aggregate Plan Pension Expense	Deferred Amortization		Proportionate Share of Pension Expense	Gross Pension Expense	Proportionate Share of Nonemployer Contributions	Net Pension Expense	Change in Outstanding Balance of Deferred Outflows of Resources		Total Deferred Outflows of Resources	Change in Recognition of Existing Deferred Outflows (Inflows) of Resources		Total Deferred Inflows of Resources	2023	2024	2025	
						Proportionate Share of Pension Expense	Proportionate Share of Differences Between Employer Contributions & Proportionate Share of Plan Contributions					Liability Experience	Investment Experience		Liability Experience	Investment Experience					
V186	INDEPENDENCE BOARD OF EDUCATION	2,354,592	2,294,912	1,867,899	188,416	(111,308)	77,106	167,338	177,338	2,517	346,295	44,130	367,023	20,292	260,023	18,147	265,180	23,598	(2,411)	(10,786)	66,880
V136	FRANKLIN CO COMM DIST	120,761	162,187	102,938	30,398	(20,596)	(20,187)	12,618	12,618	159	17,657	17,796	1,136	14,330	16,446	34,139	16,050	(2,418)	(1,000)	3,689	
V145	CITY OF WARTLAND	238,413	291,987	189,141	102,351	102,351	29,411	29,411	2,465	35,441	15,448	46,344	7,238	35,103	18,205	49,207	12,007	(2,403)	4,712	6,274	
V147	HERFORD CO WATER DIST #2	10,645,518	13,395,576	8,445,438	850,870	1,274,411	979,311	979,311	11,381	1,448,538	140,264	8,000,389	98,683	1,176,624	397,087	1,627,514	177,543	(162,746)	(89,459)	302,423	
V141	HOUSING AUTH OF HENDERSON	2,862,472	1,577,755	2,170,391	220,059	(69,681)	183,614	183,614	3,000	2,000	1,163	374,702	2,900	316,113	148,363	469,668	22,055	(10,700)	1,821	81,215	
V156	JEFF CO BLDG OF ED	562,738,879	700,348,541	446,435,348	45,308,840	7,396,022	52,336,892	52,336,892	601,648	16,717,351	1,077,893	5,017,893	42,798	3,877,563	8,936,764	207,055	985,387	108,549	(162,855)	(42,189)	145,964
V159	CITY OF EARLE	4,934,500	6,642,536	3,898,838	393,266	(24,848)	148,382	148,382	1,586	5,254	66,716	112,889	788,839	43,766	540,276	341,490	927,882	87,661	(155,803)	(41,299)	239,619
V139	EAST BENDT BLDG OF ED	1,051,740	1,134,556	534,184	84,483	213,148	148,669	148,669	1,161	144,119	8,209	149,445	9,166	118,149	24,722	150,210	19,331	(2,499)	(8,831)	18,627	
V171	CITY OF ADAMS	463,469	658,183	394,762	18,810	14,883	15,689	15,689	18,810	14,883	74,031	14,883	35,689	4,000	44,883	7,878	37,006	3,878	(2,878)	38,278	
V176	MADISON CO CONSOLIDATED DIST	107,206	133,195	85,026	8,579	152	8,731	8,731	1,179	15,548	1,401	16,124	16,124	955	118,839	1,327	116,512	607	(1,505)	(1,001)	3,044
V172	MARSHALL CO CENTRAL	1,885,956	4,856,963	3,082,813	310,960	3,290	324,043	324,043	4,155	528,782	59,064	591,981	34,606	4,270,607	12,772	56,131	18,474	(2,508)	(10,265)	110,972	
V189	CITY OF CENTRAL CITY	131,318	151,413	96,118	32,960	32,960	32,960	32,960	3,000	34,960	2,972	794,166	50,787	400,932	248,388	369,266	248,388	(47,886)	(47,886)	361,866	
V197	CITY OF HAZARD	9,748,488	12,184,448	7,733,144	780,105	(100,740)	679,361	679,361	10,423	1,326,504	27,430	1,364,337	86,816	1,076,583	280,125	1,444,712	248,559	(25,425)	(61,922)	276,611	
V188	HENDERSON COUNTY DISTRICT	2,219,207	2,819,207	1,619,207	169,207	169,207	169,207	169,207	6,000	779,606	2,272	794,166	50,787	400,932	248,388	369,266	248,388	(47,886)	(47,886)	361,866	
V200	PULASKI COUNTY LIBRARY	1,183,127	1,728,717	1,097,719	110,850	(67,724)	42,956	42,956	1,429	149,202	1,211	150,912	12,117	152,744	111,006	174,212	74,683	(40,195)	(11,623)	97,216	
V206	SHELBY TWP WATER/SERVE	3,847,787	4,800,256	3,052,372	307,506	58,137	366,323	366,323	4,154	531,895	54,766	576,870	34,666	4,244,255	114,079	597,270	314,489	(63,525)	(12,231)	109,120	
V207	BELLE PUBLIC LIBRARY	738,536	923,053	585,688	59,097	1,070	160,197	160,197	790	160,990	10,154	148,844	6,777	165,577	12,550	160,300	16,330	(1,000)	(2,300)	20,799	
V208	MURKIN TOWNSHIP COMMISSION	1,205,458	1,500,644	924,811	120,544	1,205,458	1,205,458	1,205,458	1,205,458	1,205,458	1,205,458	1,205,458	1,205,458	1,205,458	1,205,458	1,205,458	1,205,458	1,205,458	1,205,458	1,205,458	1,205,458
V218	MURKIN TOWNSHIP COMMISSION	292,396	371,714	238,648	20,021	3,917	26,618	26,618	27	30,444	4,930	39,244	2,428	27,680	14,357	31,299	7,437	(2,497)	(1,038)	7,807	
V217	GULLETT CO WATER DIST	2,973,727	3,746,790	2,359,152	327,862	1,524,648	372,800	372,800	3,129	400,635	10,851	513,957	26,482	328,600	75,375	371,751	24,880	(2,480)	84,452		
V224	PENNSYLVANIA AREA MUSEUM	120,266	153,692	97,553	9,840	(7,512)	(6,672)	6,672	151	16,732	16,732	16,732	1,095	13,880	16,584	33,299	69,408	1,345	(1,038)	3,407	
V230	BLUE GRASS COUNTY ACTION	1,458,698	1,738,022	1,103,844	166,317	166,317	166,317	166,317	1,600	168,018	68,018	1,012,000	42,879	1,655,689	228,123	1,883,812	82,644	(52,819)	(5,434)	83,648	
V236	BE SARDY AREA REV DIST	1,761,746	2,306,462	1,470,972	161,043	(160,820)	26,388	26,388	6,300	79,000	19,388	809,518	53,111	636,200	796,862	1,394,468	385,561	(194,704)	(48,418)	166,828	
V237	BE SARDY AREA WATER DIST	1,458,698	1,738,022	1,103,844	166,317	166,317	166,317	166,317	1,600	168,018	68,018	1,012,000	42,879	1,655,689	228,123	1,883,812	82,644	(52,819)	(5,434)	83,648	
V247	HARDEN CO WATER DIST #1	164,933	12,742,402	8,887,360	164,933	(24,058)	6,487,758	6,487,758	13,000	1,897,225	69,701	1,427,226	90,790	1,126,844	679,126	1,806,088	386,503	(100,483)	(85,272)	209,618	
V251	HENDERSON CO HEALTH AUTH	2,047,329	2,558,907	1,624,711	163,830	(12,000)	143,830	143,830	2,119	278,580	7,558	2,883,377	18,132	2,264,044	124,718	360,044	64,033	(17,479)	(17,205)	181,165	
V252	KENTON CO PUBLIC LIBRARY	1,438,914	1,860,724	1,020,861	120,844	(220,348)	879,268	879,268	14,642	1,885,514	14,642	1,899,256	120,214	1,488,742	248,388	1,737,130	138,847	(182,887)	(113,826)	381,218	
V263	LAUREL CO BLDG OF ED	2,472,441	3,187,391	2,008,009	2,038,143	(880,580)	1,157,763	1,157,763	27,239	1,446,036	70,320	2,883,377	226,843	2,613,015	700,390	1,743,246	61,010	(143,538)	(124,056)	723,617	
V276	BARREN COUNTY	6,848,071	8,848,421	5,384,421	568,421	1,368,421	2,368,421	2,368,421	38,260	2,368,421	38,260	2,368,421	38,260	2,368,421	38,260	2,368,421	38,260	(2,368,421)	(2,368,421)	38,260	
V281	HOUSING AUTH OF MARSHVILLE	1,083,701	1,354,402	859,713	86,719	21,113	107,822	107,822	1,159	147,459	17,334	155,952	9,651	136,677	18,231	147,567	14,817	(8,549)	(1,107)	30,790	
V282	HOUSING AUTH OF MORGANTOWN	1,358,071	1,708,071	1,028,071	102,807	102,807	102,807	102,807	1,119	102,807	1,119	102,807	1,119	102,807	1,119	102,807	1,119	(102,807)	(102,807)	1,119	
V280	HOUSING AUTH OF SOMERSET	1,253,071	1,566,191	994,104	102,273	(7,920)	36,353	36,353	26,532	140,126	23,882	154,428	11,519	138,382	154,207	277,844	(48,470)	(15,307)	(10,307)	30,790	
V283	HOUSING AUTH OF WINDY HOLLOW	1,253,071	1,566,191	994,104	102,273	(7,920)	36,353	36,353	26,532	140,126	23,882	154,428	11,519	138,382	154,207	277,844	(48,470)	(15,307)	(10,307)	30,790	
V306	HOUSING AUTH OF SHELBYVILLE	206,351	336,658	211,844	24,504	(1,743)	10,811	10,811	2,878	16,651	8,821	42,760	2,399	29,746	18,353	50,060	(1,706)	(8,199)	(2,263)	7,612	
V38	NORTHERN KY AREA DEV DIST	8,306,341	10,380,446	6,188,892	646,606	(179,642)	468,964	468,964	6,899	1,136,106	87,408	1,226,399	73,683	837,889	314,488	1,152,377	106,960	(137,401)	(269,793)	268,009	
V212	CAMPBELL CO OF ED	2,838,502	4,512,795	2,110,118	1,609,771	2,488,617	2,110,118	2,110,118	2,488,617	2,488,617	2,488,617	2,488,617	2,488,617	2,488,617	2,488,617	2,488,617	2,488,617	2,488,617	2,488,617	2,488,617	2,488,617
V214	CHRISTIAN CO COMM DIST	124,122	155,137	98,676	9,932	3,516	14,488	14,488	13,488	13,488	13,488	13,488	1,195	13,488	13,488	13,488	1,195	(1,195)	(1,195)	13,488	
V130	CITY OF OWENSBORO	2,831,962	3,632,465	2,061,465	201,465	201,465	201,465	201,465	2,831,962	4,000,000	14,000	14,000	14,000	14,000	14,000	14,000	14,000	14,000	14,000	14,000	
V136	SARDY AREA TRANS SERV INC	5,997,308	6,999,836	4,480,444	447,897	(163,070)	284,827	284,827	5,997,308	76,112	21,008	788,056	49,846	6,818,120	299,176	927,442	106,073	(131,073)	(47,938)	139,000	
V137	SARDY AREA WATER DIST	60,411,121	75,850,445	41,155,628	4,115,628	4,115,628	4,115,628	4,115,628	4,115,628	4,115,628	4,115,628	4,115,628	4,115,628	4,115,628	4,115,628	4,115,628	4,115,628	4,115,628	4,115,628	4,115,628	
V147	CITY OF BARDOLUP	1,848,440	2,434,573	1,478,938	175,888	(261,853)	184,035	184,035	6,359	800,379	23,557	815,738	52,872	656,867	297,460	1,000,899	111,780	(68,989)	(49,886)	188,716	
V147	CITY OF BARDOLUP	1,848,440	2,434,573	1,478,938	175,888	(261,853)	184,035	184,035	6,359	800,379	23,557	815,738	52,872	656,867	297,460	1,000,899	111,780	(68,989)	(49,886)	188,716	
V343	CITY OF MORGANTOWN																				

KPPA Board Meeting - Joint Audit Committee Report and Recommendations

Kentucky Public Pensions Authority
Schedule B-Schedule of Pension Amounts by
Employer Fiscal Year Ended June 30, 2022

County Employees Retirement System (Non-Hazardous)

Employers are presented in order by assigned employer reporting code. There are separate schedules for Non-Hazardous and Hazardous and as such reporting employers may appear on multiple schedules.

Employer Code	Participating Employer Name	Net Pension Liability as of June 30, 2022			Pension Expense								Outstanding Balance of Deferred Outflows of Resources				Outstanding Balance of Deferred Outflows of Resources				Recognition of Existing Deferred Outflows (Inflows) of Resources for Future Measurement Period Ending June 30,			
		Discount Rate 6.25%	Discount Rate Less 1.00% 5.25%	Discount Rate Plus 1.00% 7.25%	Proportionate Share of Aggregate Plan Pension Expense	Deferred Amounts from Changes in Proportionate Share of Aggregate Plan Pension Expense		Gross Employer Pension Expense	Proportionate Share of Nonemployer Contributions	Net Employer Pension Expense	Liability Experience	Investment Experience	Proportionate Share of Differences Between Employer Contributions & Proportionate Share of Plan Contributions	Total Defined Outflows of Resources	Liability Experience	Investment Experience	Change in Differences Between Employer Contributions & Proportionate Share of Plan Contributions	Total Defined Inflow of Resources	2023	2024	2025	2026		
						(1)	(2)																(3)	(4)
W004	CHRISTIAN COUNTY ATTORNEY	956,898	1,195,979	758,794	76,512	(86,368)	111,560	-	11,188	1,023	148,137	-	131,445	8,517	105,819	54,518	168,456	(82,801)	(123,825)	(8,837)	27,171			
W005	CLAY COUNTY ATTORNEY	366,728	458,964	290,987	29,346	(39,139)	10,027	-	10,627	392	148,951	-	50,193	3,366	40,499	26,817	68,762	(14,540)	(12,390)	(5,082)	10,449			
W006	CRISSIAN COUNTY ATTORNEY	213,690	267,086	169,527	17,100	(7,625)	9,475	-	9,475	228	29,077	-	647	1,903	23,599	12,719	38,222	(6,144)	(5,296)	(1,796)	6,071			
W009	CUMBERLAND CO ATTORNEY	144,797	180,979	114,872	11,587	(12,259)	(6,672)	-	(6,672)	155	18,703	-	19,838	1,289	15,900	26,668	43,347	(17,643)	(9,347)	(1,217)	4,111			
W032	ELLIOTT COUNTY ATTORNEY	154,367	192,815	123,383	12,345	(7,805)	4,540	-	4,540	165	20,991	-	13,774	1,036	17,036	10,707	29,020	(5,002)	(5,002)	(1,296)	4,382			
W036	ESTILL COUNTY ATTORNEY	278,249	347,975	230,246	22,246	(14,886)	7,360	-	7,360	248	30,238	-	646	2,476	28,762	14,875	44,642	(8,708)	(14,642)	(2,448)	7,886			
W038	FLEMING COUNTY ATTORNEY	493,525	616,845	391,528	39,493	(37,203)	2,290	-	2,290	528	67,154	-	7,562	4,395	56,622	52,283	111,188	(22,161)	(13,648)	(4,147)	14,001			
W039	FLOYD COUNTY ATTORNEY	480,079	600,091	386,862	38,417	(35,139)	3,278	-	3,278	513	65,234	-	89,266	155,113	50,817	87,164	142,422	(4,479)	(2,416)	(6,094)	18,691			
W041	GRANT COUNTY CHILD SUPP	206,344	257,779	163,620	16,504	(10,446)	(6,059)	-	(6,059)	221	28,064	-	29,791	1,817	22,776	46,557	70,170	(36,902)	(34,238)	(12,719)	5,899			
W043	GRAYSON COUNTY ATTORNEY	256,847	321,027	201,761	20,513	(24,200)	(3,687)	-	(3,687)	147	14,469	-	4,872	17,099	2,387	28,865	24,513	(20,260)	(2,948)	(1,158)	7,294			
W044	GREEN COUNTY ATTORNEY	137,564	174,941	109,117	11,008	(12,293)	(16,190)	-	(16,190)	149	18,719	-	18,896	1,225	15,812	8,690	24,959	(6,494)	(24,959)	(1,156)	3,909			
W045	GREENUP CO ATTORNEY SUP	(141,165)	(141,165)	-	-	(141,165)	-	-	(141,165)	-	-	-	-	-	-	-	-	-	-	-	-			
W047	HARDIN COUNTY ATTORNEY	1,731,900	2,139,466	1,384,107	136,989	(881,130)	48,851	-	48,851	1,830	242,999	-	234,709	15,240	189,072	181,000	385,939	(111,420)	(173,420)	(43,846)	88,612			
W048	HARLAN COUNTY ATTORNEY	702,949	878,959	557,873	56,251	(97,446)	(41,193)	-	(41,193)	752	89,659	-	96,402	6,300	77,629	17,885	157,774	(61,640)	(11,811)	(5,807)	19,919			
W050	HART COUNTY ATTORNEY	466,416	582,962	370,021	37,333	(33,699)	3,634	-	3,634	1,490	18,465	-	2,843	6,609	14,478	7,442	63,018	(6,430)	(9,983)	(5,919)	13,248			
W051	HENRY COUNTY ATTORNEY	432,468	796,105	501,794	50,611	(75,187)	(24,576)	-	(24,576)	679	86,060	-	86,736	5,612	80,448	104,478	190,175	(74,020)	(51,861)	(8,983)	17,763			
W052	HENDERSON COUNTY ATTORNEY	106,650	133,540	84,518	8,486	(5,238)	3,248	-	3,248	113	14,440	-	16,164	3,621	14,715	15,402	29,000	(4,851)	(8,893)	(6,641)	3,611			
W055	JACKSON COUNTY ATTORNEY	219,401	274,223	174,027	17,557	(15,510)	2,047	-	2,047	235	37,854	-	11,501	42,504	1,654	24,229	6,769	(31,902)	(1,844)	(1,844)	6,211			
W056	JEFFERSON COUNTY ATTORNEY	1,616,002	19,708,487	10,008,077	1,706,502	(11,719,798)	(162,398)	-	(162,398)	14,488	1,756,668	-	1,756,668	112,811	1,393,241	1,511,022	3,048,636	(1,046,789)	(492,462)	(106,618)	308,811			
W058	JACKSON COUNTY ATTORNEY	415,167	518,901	329,361	32,222	(32,577)	30,865	-	30,865	444	56,491	-	63,326	3,697	43,848	32,523	82,068	(11,713)	(15,134)	(4,489)	11,794			
W062	KANSAS COUNTY ATTORNEY	229,799	338,865	214,813	21,627	(15,638)	6,006	-	6,006	100	10,448	-	10,548	2,412	20,906	20,388	59,295	(5,418)	(29,592)	(2,728)	7,686			
W063	KNOX COUNTY ATTORNEY	512,754	640,879	406,784	41,031	(42,783)	18,268	-	18,268	548	69,770	-	22,229	92,547	4,566	56,625	396	9,944	(4,300)	(4,300)	14,566			
W064	KNOX COUNTY ATTORNEY	959,979	1,299,965	762,680	76,767	(89,848)	13,081	-	13,081	1,606	209,920	-	211,966	8,540	209,910	203,293	284,669	(54,809)	(29,592)	(6,864)	27,266			
W064	LAWRENCE COUNTY ATTORNEY	166,484	208,085	132,077	13,322	(19,522)	(6,300)	-	(6,300)	178	27,854	-	28,232	1,483	18,385	97,187	77,052	(38,118)	(19,436)	(1,399)	4,728			
W066	LESIE COUNTY ATTORNEY	251,738	264,664	187,078	18,944	(16,618)	2,326	-	2,326	106	20,678	-	20,592	2,686	23,385	23,385	56,507	(22,239)	(27,799)	(6,569)	8,084			
W067	LEITCH COUNTY ATTORNEY	379,668	474,538	301,203	30,382	(41,900)	8,480	-	8,480	406	46,551	-	5,442	57,009	3,381	49,528	43,314	(17,061)	(17,061)	(3,191)	10,748			
W069	LINCOLN COUNTY ATTORNEY	345,085	426,281	270,718	27,293	(36,846)	(9,547)	-	(9,547)	365	46,400	-	37,899	83,994	3,637	37,665	16,244	56,946	(3,495)	(6,698)	(2,866)	9,699		
W071	LONDON COUNTY ATTORNEY	179,091	220,102	139,701	14,092	(11,222)	2,870	-	2,870	188	19,962	-	24,877	1,568	18,447	7,570	29,566	(4,200)	(12,132)	(1,480)	5,001			
W071	LOGAN COUNTY ATTORNEY	6,884	8,584	5,448	558	(12,498)	(13,946)	-	(13,946)	7	994	-	2	945	61	798	22,199	(22,603)	(9,548)	(688)	189			
W073	MCKENZIE COUNTY ATTORNEY	120,074	150,077	95,218	9,608	(5,719)	3,887	-	3,887	128	14,338	-	3,941	1,069	13,269	8,242	20,574	(2,972)	(2,138)	(1,000)	1,417			
W075	MCGUIRE COUNTY ATTORNEY	40,489	50,094	31,772	3,205	(4,071)	2,276	-	2,276	97	5,449	-	311	5,808	897	4,433	2,435	(1,200)	(1,008)	(817)	1,311			
W077	MAGOFFIN COUNTY ATTORNEY	90,290	112,822	71,938	7,235	(9,236)	14,581	-	14,581	43	23,286	-	1,085	15,468	804	9,971	604	7,129	2,471	(849)	(759)	2,646		
W078	MADISON COUNTY ATTORNEY	192,657	238,173	151,171	15,249	(21,085)	8,134	-	8,134	204	22,929	-	2,256	29,189	1,697	21,044	13,936	(4,620)	(6,499)	(1,651)	5,411			
W078	MADISON COUNTY ATTORNEY	127,664	159,924	101,510	10,139	(14,311)	8,174	-	8,174	117	17,413	-	18,249	31,797	1,819	14,110	11,318	(4,144)	(15,260)	(8,075)	1,618			
W082	MARSHALL COUNTY ATTORNEY	62,748	79,924	49,746	7,422	(4,331)	3,090	-	3,090	99	12,000	-	12,796	1,458	10,481	14,548	19,222	(3,190)	(4,978)	(7,791)	2,618			
W083	MARTIN COUNTY ATTORNEY	311,509	395,659	251,114	25,311	(31,706)	23,625	-	23,625	338	43,074	-	35,641	2,819	34,659	61,776	37,776	(1,912)	(2,670)	(2,660)	8,993			
W084	MAYES COUNTY ATTORNEY	225,962	283,179	179,304	18,066	(19,048)	(9,861)	-	(9,861)	241	29,219	-	29,862	2,911	24,682	15,966	42,916	(4,778)	(14,871)	(8,497)	6,841			
W083	MEHERRIN COUNTY ATTORNEY	115,597	144,476	91,701	9,250	(13,921)	5,888	-	5,888	124	15,729	-	2,028	17,880	1,029	12,765	8,044	(21,830)	(15,921)	(9,721)	3,207			
W084	MENSCHEWICZ COUNTY ATTORNEY	268,922	348,372	218,811	22,644	(22,278)	3,666	-	3,666	315	40,344	-	901	43,001	2,831	32,848	45,838	(6,968)	(4,118)	(2,475)	8,261			
W085	METCALFE COUNTY ATTORNEY	229,521	286,873	182,084	18,367	(19,409)	8,958	-	8,958	245	31,231	-	31,476	2,044	25,347	14,636	42,027	(9,230)	(13,411)	(9,721)	6,321			
W087	MERCERSBURG COUNTY ATTORNEY	26,368	33,768	20,360	2,044	(2,646)	1,602	-	1,602	66	3,881	-	76	3,466	333	2,880	1,364	(786)	(837)	(248)	784			
W090	MESLEN COUNTY ATTORNEY	681,913	853,306	540,983	54,588	(51,832)	38,736	-	38,736	729	92,788	-	93,517	6,073	79,396	118,833	93,111	(8,422)	(4,913)	(5,730)	19,171			
W092	MIDDLEBURY COUNTY ATTORNEY	114,422	143,913	91,259	9,255	(12,248)	13,008	-	13,008	123	15,678	-	16,898	1,006	12,773	12,007	26,999	(1,512)	(1,744)	(698)	3,279			
W092	MIDDLEBURY COUNTY ATTORNEY	114,422	143,913	91,259	9,255	(12,248)	13,008	-	13,008	123	15,678	-	16,898	1,006	12,773	12,007	26,999	(1,512)	(1,744)	(698)	3,279			
W092	MIDDLEBURY COUNTY ATTORNEY	114,422	143,913	91,259	9,255	(12,248)	13,008	-	13,008	123	15,678	-	16,898	1,006	12,773	12,007	26,999	(1,512)	(1,744)	(698)	3,279			
W092	MIDDLEBURY COUNTY ATTORNEY	114,422	143,913	91,259	9,255	(12,248)	13,008	-	13,008	123	15,678	-	16,898	1,006	12,773	12,007	26,999	(1,512)	(1,744)	(698)	3,279			
W092	MIDDLEBURY COUNTY ATTORNEY																							

Kentucky Public Pensions Authority
Schedule A - Schedule of Employer Allocations
Fiscal Year Ended June 30, 2022

County Employees Retirement System (Hazardous)

Employers are presented in order by assigned employer reporting code. There are separate schedules for Non-Hazardous and Hazardous and as such reporting employers may appear on multiple schedules.

Employer Code	Participating Participating Employer Name	Actual FYE 2022 Contributions	2022 Proportionate Share
(1)	(2)	(3)	(4)
39932	JEFFERSON CO SHERIFF	2,226,926	0.960525%
39934	KENTON CO SHERIFF	515,370	0.222291%
39936	CAMPBELL CO SHERIFF	20,892	0.009011%
39938	FAYETTE CO SHERIFF	895,681	0.386328%
39940	DAVIESS CO SHERIFF	695,683	0.300064%
39944	HARDIN COUNTY SHERIFF	476,973	0.205730%
39946	WARREN COUNTY SHERIFF	766,828	0.330751%
39948	BOONE COUNTY SHERIFF	3,389,397	1.461925%
39952	MADISON COUNTY SHERIFF	407,627	0.175819%
39962	BULLITT CO SHERIFF	548,115	0.236415%
A156	CITY OF ANCHORAGE	31,746	0.013693%
AB19	BELLEVUE/DAYTON FIRE	470,141	0.202783%
AC19	CAMPBELL CO FIRE DIST 1	201,451	0.086890%
AD19	SOUTHERN CAMPBELL F DIST	178,518	0.076999%
AJ00	SOMERSET POLICE & FIRE	-	0.000000%
AS02	ALLEN CO AMBULANCE SVC	286,082	0.123394%
AS20	WOODFORD CO FIRE DISTRICT	104,627	0.045128%
B008	BURLINGTON FIRE PRO DIST	581,651	0.250880%
B015	CITY OF HILLVIEW	382,338	0.164911%
B045	CITY OF BELLEFONTE	80,435	0.034693%
B048	CITY OF HARLAN	15,891	0.006854%
B256	BUECHEL FIRE PROTECT DIST	852,673	0.367778%
B259	CITY OF LUDLOW	339,216	0.146312%
B456	ANCHORAGE MIDDLETOWN FIRE AND EMS	5,674,397	2.447499%
B656	LOUISVILLE AIRPORT AUTHOR	681,831	0.294090%
B956	LAKE DREAMLAND FIRE DIST	-	0.000000%
C106	CITY OF SIMPSONVILLE	153,052	0.066015%
C156	FAIRDALE FIRE DISTRICT	359,074	0.154877%
C256	LOUISVILLE/JEFF CO METRO	60,090,527	25.918441%
C356	INDIAN HILLS POLICE DEPT	74,448	0.032111%
D024	CITY OF PEMBROKE	-	0.000000%
D071	CITY OF LEWISBURG	18,461	0.007963%
D098	CITY OF COAL RUN VILLAGE	53,549	0.023097%
D106	SIMPSONVILLE RURAL FIRE	187,192	0.080740%
G015	ZONETON FIRE PROT DIST	387,304	0.167053%
GS06	SHELBY CO SUB FIRE DIST	28,009	0.012081%
J002	CITY OF SCOTTSVILLE	239,371	0.103246%
J003	CITY OF LAWRENCEBURG	294,929	0.127210%
J007	CITY OF MIDDLESBORO	875,625	0.377677%
J024	CITY OF HOPKINSVILLE	3,307,676	1.426677%
J037	CITY OF FRANKFORT	3,293,576	1.420596%
J040	CITY OF LANCASTER	94,268	0.040660%
J059	KENTON COUNTY AIRPORT BD	2,954,180	1.274206%
J063	CITY OF LONDON	832,257	0.358972%
J067	CITY OF WHITESBURG	154,328	0.066565%
J084	CITY OF HARRODSBURG	132,084	0.056971%
J090	CITY OF BARDSTOWN	765,847	0.330328%

The accompanying notes are an integral part of the schedules.

**Kentucky Public Pensions Authority
Schedule A - Schedule of Employer Allocations
Fiscal Year Ended June 30, 2022**

County Employees Retirement System (Hazardous)

Employers are presented in order by assigned employer reporting code. There are separate schedules for Non-Hazardous and Hazardous and as such reporting employers may appear on multiple schedules.

Employer Code	Participating Participating Employer Name	Actual FYE 2022 Contributions	2022 Proportionate Share
(1)	(2)	(3)	(4)
J100	CITY OF SOMERSET	2,321,342	1.001249%
J113	CITY OF MORGANFIELD	66,336	0.028612%
J118	CITY OF CORBIN	670,621	0.289255%
J154	CITY OF EARLINGTON	-	0.000000%
J156	CITY OF JEFFERSONTOWN	1,662,277	0.716978%
J210	BOYD CO AMBULANCE SERVICE	825,625	0.356111%
J256	CITY OF ST MATTHEWS	730,242	0.314970%
J259	CITY OF PARK HILLS	93,989	0.040540%
J319	CITY OF ALEXANDRIA	344,164	0.148446%
J324	CITY OF OAK GROVE	315,939	0.136272%
J356	CITY OF WEST BUECHEL	127,476	0.054984%
J359	CITY OF FORT WRIGHT	586,857	0.253125%
J410	CANNONSBURG VOL FIRE DEPT	26,629	0.011486%
J419	CITY OF COLD SPRING	198,437	0.085590%
J456	CITY OF SHIVELY	1,536,132	0.662570%
J510	CITY OF CATLETTSBURG	193,015	0.083252%
J619	CITY OF FORT THOMAS	1,469,423	0.633796%
J719	CITY OF SOUTHGATE	43,348	0.018697%
J756	CITY OF PROSPECT	45,386	0.019576%
J819	CITY OF BELLEVUE	239,248	0.103193%
J859	CITY OF VILLA HILLS	243,284	0.104934%
J919	CITY OF DAYTON	222,495	0.095967%
J956	OKOLONA FIRE DISTRICT	1,518,574	0.654996%
J959	CITY OF INDEPENDENCE	636,532	0.274551%
K001	CITY OF COLUMBIA	231,592	0.099891%
K010	CITY OF ASHLAND	2,660,959	1.147733%
K011	CITY OF DANVILLE	1,221,214	0.526738%
K016	CITY OF MORGANTOWN	114,815	0.049522%
K018	CITY OF MURRAY	1,223,902	0.527897%
K019	CITY OF NEWPORT	2,281,166	0.983920%
K026	CITY OF MANCHESTER	163,106	0.070351%
K029	CITY OF BURKESVILLE	98,194	0.042353%
K034	LEX/FAYETTE URBAN CO GOVT	5,207,765	2.246230%
K041	CITY OF WILLIAMSTOWN	164,737	0.071055%
K043	CITY OF LEITCHFIELD	375,403	0.161920%
K049	CITY OF CYNTHIANA	526,751	0.227200%
K065	CITY OF BEATTYVILLE	86,540	0.037327%
K071	CITY OF RUSSELLVILLE	549,871	0.237172%
K078	CITY OF LEBANON	277,135	0.119535%
K079	CITY OF BENTON	178,662	0.077061%
K090	NELSON COUNTY BD OF ED	-	0.000000%
K091	CITY OF CARLISLE	11,366	0.004902%
K099	CITY OF STANTON	170,820	0.073679%
K103	CITY OF MOREHEAD	365,643	0.157710%
K105	CITY OF GEORGETOWN	2,520,004	1.086936%
K106	CITY OF SHELBYVILLE	1,076,453	0.464299%
K108	CITY OF TAYLORSVILLE	52,498	0.022644%
K111	CITY OF CADIZ	116,283	0.050155%

The accompanying notes are an integral part of the schedules.

Kentucky Public Pensions Authority
Schedule A - Schedule of Employer Allocations
Fiscal Year Ended June 30, 2022

County Employees Retirement System (Hazardous)

Employers are presented in order by assigned employer reporting code. There are separate schedules for Non-Hazardous and Hazardous and as such reporting employers may appear on multiple schedules.

Employer Code	Participating Participating Employer Name	Actual FYE 2022 Contributions	2022
			Proportionate Share
(1)	(2)	(3)	(4)
K114	CITY OF BOWLING GREEN	6,137,693	2.647330%
K115	CITY OF SPRINGFIELD	160,535	0.069243%
K120	CITY OF VERSAILLES	1,000,064	0.431351%
K200	CITY OF FERGUSON	-	0.000000%
K256	JEFFERSONTOWN FIRE DIST	2,121,298	0.914965%
K315	MT WASHINGTON FIRE P DIST	370,733	0.159906%
K319	CITY OF SILVER GROVE	-	0.000000%
K356	ST MATTHEWS FIRE DIST.	2,504,057	1.080058%
K414	CITY OF SMITHS GROVE	41,569	0.017930%
K419	ALEXANDRIA FIRE DISTRICT	438,105	0.188965%
K456	CAMP TAYLOR FIRE PRO DIST	16,966	0.007318%
K559	CITY OF TAYLOR MILL	414,731	0.178883%
K656	MCMAHAN FIRE PRO DIST 14	-	0.000000%
K659	CITY OF EDGEWOOD	666,566	0.287505%
K719	CENTRAL CAMPBELL CO FIRE	621,060	0.267877%
K759	LAKESIDE/CRESTVIEWHLS POL	300,709	0.129703%
K856	HIGHVIEW FIRE DISTRICT	584,950	0.252302%
K859	CITY OF FORT MITCHELL	691,811	0.298394%
K956	CITY OF MEADOW VALE	-	0.000000%
L001	ADAIR CO AMBULANCE SER	280,219	0.120865%
L005	CITY OF GLASGOW	1,379,615	0.595060%
L009	CITY OF PARIS	405,636	0.174960%
L015	CITY OF MT WASHINGTON	485,191	0.209274%
L025	CITY OF WINCHESTER	1,779,761	0.767652%
L031	EDMONSON CO AMBULANCE DIS	82,909	0.035761%
L035	CITY OF FLEMINGSBURG	96,568	0.041652%
L039	CITY OF WARSAW	80,896	0.034892%
L044	GREEN CO AMBULANCE SVC	115,103	0.049646%
L050	CITY OF MUNFORDVILLE	63,835	0.027534%
L052	CITY OF EMINENCE	142,030	0.061261%
L057	CITY OF NICHOLASVILLE	2,578,740	1.112270%
L061	CITY OF BARBOURVILLE	91,326	0.039391%
L072	CITY OF EDDYVILLE	62,726	0.027055%
L073	CITY OF PADUCAH	3,645,522	1.572398%
L077	CITY OF SALYERSVILLE	89,731	0.038703%
L086	CITY OF TOMPKINSVILLE	111,866	0.048251%
L090	CITY OF NEW HAVEN	7,810	0.003369%
L107	CITY OF FRANKLIN	423,349	0.182600%
L108	SPENCER CO FIRE DIST	50,872	0.021942%
L110	CITY OF ELKTON	39,545	0.017057%
L159	ELSMERE FIRE PROTECTION	274,099	0.118225%
L356	EASTWOOD FIRE PROT DIST	-	0.000000%
L456	HARRODS CREEK FIRE DIST	-	0.000000%
L556	LYNDON FIRE PROTECT DIST	-	0.000000%
L656	FERN CREEK FIRE PROT DIST	995,247	0.429273%
L756	PLEASURE RIDGE PARK FIRE	2,263,023	0.976094%
L956	WORTHINGTON FIRE DEPT	-	0.000000%
M014	CITY OF HARDINSBURG	67,134	0.028956%

The accompanying notes are an integral part of the schedules.

Kentucky Public Pensions Authority
Schedule A - Schedule of Employer Allocations
Fiscal Year Ended June 30, 2022

County Employees Retirement System (Hazardous)

Employers are presented in order by assigned employer reporting code. There are separate schedules for Non-Hazardous and Hazardous and as such reporting employers may appear on multiple schedules.

Employer Code	Participating Participating Employer Name	Actual FYE 2022 Contributions	2022
			Proportionate Share
(1)	(2)	(3)	(4)
M015	BULLITT CO FISCAL COURT	17,537	0.007564%
M022	CITY OF OLIVE HILL	112,893	0.048693%
M042	CITY OF MAYFIELD	1,181,048	0.509413%
M054	CITY OF DAWSON SPRINGS	82,908	0.035760%
M059	KENTON COUNTY FISCAL CT	1,087,321	0.468987%
M069	CITY OF STANFORD	218,753	0.094353%
M076	CITY OF RICHMOND	2,630,590	1.134634%
M081	CITY OF MAYSVILLE	981,949	0.423538%
M082	CITY OF BRANDENBURG	78,113	0.033692%
M085	CITY OF EDMONTON	110,438	0.047634%
M096	CITY OF FALMOUTH	-	0.000000%
M109	CITY OF CAMPBELLSVILLE	460,367	0.198567%
M110	CITY OF GUTHRIE	-	0.000000%
M113	CITY OF STURGIS	-	0.000000%
M118	WHITLEY CO FISCAL COURT	62,071	0.026773%
M315	CITY OF PIONEER VILLAGE	98,638	0.042545%
M356	MIDDLETOWN FIRE PROT DIST	-	0.000000%
N008	CITY OF FLORENCE	3,606,179	1.555429%
N009	CITY OF MILLERSBURG	-	0.000000%
N011	CITY OF PERRYVILLE	12,379	0.005339%
N012	CITY OF BROOKSVILLE	-	0.000000%
N014	CITY OF IRVINGTON	67,799	0.029243%
N022	CITY OF GRAYSON	285,298	0.123056%
N050	CITY OF HORSE CAVE	24,626	0.010622%
N051	CITY OF HENDERSON	2,344,878	1.011400%
N054	CITY OF MADISONVILLE	2,468,146	1.064569%
N071	CITY OF AUBURN	-	0.000000%
N076	MADISON CO EMS	992,555	0.428112%
N087	CITY OF MT STERLING	475,243	0.204983%
N088	MORGAN CO AMBULANCE SERV	61,480	0.026518%
N093	CITY OF LAGRANGE	239,265	0.103201%
N094	CITY OF OWENTON	56,257	0.024265%
N099	CITY OF CLAY CITY	-	0.000000%
N100	CITY OF BURNSIDE	55,508	0.023942%
N104	CITY OF JAMESTOWN	17,909	0.007725%
P007	CITY OF PINEVILLE	76,479	0.032987%
P015	CITY OF LEBANON JUNCTION	56,889	0.024538%
P033	ESTILL COUNTY EMS	242,125	0.104434%
P041	CITY OF DRY RIDGE	389,220	0.167880%
P043	CITY OF CLARKSON	15,584	0.006722%
P079	CITY OF CALVERT CITY	174,365	0.075208%
P093	SOUTH OLDHAM FIRE DEPT	341,804	0.147428%
P116	CITY OF MONTICELLO	135,757	0.058555%
P117	CITY OF CLAY	-	0.000000%
R015	CITY OF SHEPHERDSVILLE	1,682,279	0.725606%
R017	CITY OF PRINCETON	197,590	0.085225%
R036	CITY OF PRESTONSBURG	-	0.000000%
R045	CITY OF RUSSELL	307,312	0.132551%

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Kentucky Public Pensions Authority
Schedule A - Schedule of Employer Allocations
Fiscal Year Ended June 30, 2022

County Employees Retirement System (Hazardous)

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Employer Code	Participating Participating Employer Name	Actual FYE 2022 Contributions	2022
			Proportionate Share
(1)	(2)	(3)	(4)
R057	CITY OF WILMORE	160,578	0.069261%
R104	CITY OF RUSSELL SPRINGS	147,468	0.063606%
R105	CITY OF STAMPING GROUND	15,983	0.006894%
TS59	INDEPENDENCE FIRE DIST	953,199	0.411137%
V001	ADAIR COUNTY FISCAL COURT	152,875	0.065939%
V002	ALLEN COUNTY FISCAL COURT	282,447	0.121826%
V003	ANDERSON CO FISCAL COURT	227,391	0.098079%
V005	BARREN CO FISCAL CT	612,632	0.264242%
V007	BELL CO FISCAL CT	119,513	0.051549%
V008	BOONE CO FISCAL CT	868,849	0.374755%
V009	BOURBON CO FISCAL COURT	135,640	0.058505%
V011	BOYLE COUNTY FISCAL COURT	800,225	0.345156%
V012	BRACKEN CO FISCAL COURT	37,126	0.016013%
V013	BREATHITT CO FISCAL COURT	34,226	0.014762%
V014	BRECKINRIDGE CO FISCAL CT	137,512	0.059312%
V017	CALDWELL CO FISCAL COURT	145,097	0.062583%
V019	CAMPBELL CO FISCAL CT	845,444	0.364660%
V023	CASEY CO FISCAL COURT	95,349	0.041126%
V025	CLARK COUNTY FISCAL COURT	737,863	0.318257%
V030	DAVIESS CO FISCAL COURT	1,525,688	0.658064%
V032	ELLIOTT CO FISCAL CT	55,021	0.023732%
V035	FLEMING CO FISCAL COURT	106,677	0.046012%
V037	FRANKLIN CO FISCAL COURT	1,675,103	0.722511%
V041	GRANT COUNTY FISCAL COURT	345,598	0.149064%
V043	GRAYSON CO FISCAL COURT	658,010	0.283815%
V047	HARDIN CO FISCAL COURT	1,511,920	0.652126%
V049	HARRISON CO FISCAL COURT	115,448	0.049795%
V052	HENRY CO FISCAL COURT	103,628	0.044697%
V054	HOPKINS CO FISCAL COURT	582,488	0.251241%
V057	JESSAMINE CO FISCAL COURT	1,336,048	0.576269%
V060	KNOTT CO FISCAL CT	59,617	0.025714%
V062	LARUE CO FISCAL COURT	71,358	0.030778%
V063	LAUREL COUNTY FISCAL COUR	87,489	0.037736%
V067	LETCHER CO FISCAL COURT	113,790	0.049080%
V070	LIVINGSTON CO FISCAL CT	105,598	0.045547%
V072	LYON COUNTY FISCAL COURT	61,844	0.026675%
V073	MCCRACKEN CO FISCAL COURT	1,670,983	0.720734%
V076	MADISON CO FISCAL COURT	330,096	0.142378%
V077	MAGOFFIN CO FISCAL COURT	-	0.000000%
V078	MARION CO FISCAL COURT	174,780	0.075387%
V079	MARSHALL CO FISCAL COURT	780,920	0.336829%
V081	MASON CO FIS CT	208,867	0.090089%
V083	MENIFEE CO FISCAL COURT	80,473	0.034710%
V087	MONTGOMERY CO FISCAL CT	255,446	0.110180%
V088	MORGAN CO FISCAL CT	15,648	0.006749%
V090	NELSON CO FISCAL CT	549,868	0.237171%
V093	OLDHAM CO FISCAL COURT	1,451,249	0.625957%
V094	OWEN COUNTY FISCAL COURT	57,971	0.025004%

The accompanying notes are an integral part of the schedules.

Kentucky Public Pensions Authority
Schedule A - Schedule of Employer Allocations
Fiscal Year Ended June 30, 2022

County Employees Retirement System (Hazardous)

Employers are presented in order by assigned employer reporting code. There are separate schedules for Non-Hazardous and Hazardous and as such reporting employers may appear on multiple schedules.

Employer Code	Participating Participating Employer Name	Actual FYE 2022 Contributions	2022
			Proportionate Share
(1)	(2)	(3)	(4)
V096	PENDLETON CO FISCAL COURT	82,633	0.035641%
V100	PULASKI CO FISCAL CT	1,275,945	0.550345%
V103	ROWAN CO FISCAL COURT	145,261	0.062654%
V105	SCOTT CO FISCAL CT	3,160,881	1.363361%
V106	SHELBY CO FISCAL COURT	1,270,499	0.547996%
V107	SIMPSON CO FISCAL COURT	256,635	0.110692%
V108	SPENCER CO TREASURER	326,225	0.140708%
V109	TAYLOR COUNTY FISCAL COUR	182,495	0.078714%
V112	TRIMBLE CO FISCAL COURT	33,620	0.014501%
V113	UNION COUNTY FISCAL COURT	85,686	0.036958%
V115	WASHINGTON CO FIS COURT	136,181	0.058738%
V119	CITY OF HIGHLAND HEIGHTS	218,690	0.094326%
V120	WOODFORD CO FISCAL COURT	377,862	0.162981%
V159	CITY OF ERLANGER	1,615,084	0.696623%
V171	CITY OF ADAIRVILLE	-	0.000000%
V196	CITY OF BUTLER	18,802	0.008110%
V197	CITY OF HAZARD	23,194	0.010004%
V205	BARREN/METCALFE CO AMB SR	752,831	0.324713%
V298	CITY OF PIKEVILLE	310,300	0.133840%
V330	CITY OF OWENSBORO	4,392,491	1.894583%
V347	CITY OF RADCLIFF	1,216,584	0.524741%
V359	CITY OF ELSMERE	308,276	0.132967%
V376	CITY OF BEREA	818,215	0.352915%
V408	UNION EMERGENCY SERVICES	782,204	0.337383%
V447	CITY OF ELIZABETHTOWN	2,346,356	1.012038%
V608	WALTON FIRE DIST/EMS	638,945	0.275592%
V647	CITY OF VINE GROVE	123,663	0.053339%
V708	HEBRON FIRE PROTECTION DI	1,141,472	0.492343%
V808	POINT PLEASANT FIRE DIST	319,091	0.137632%
V919	CITY OF WILDER	523,625	0.225852%
V959	CITY OF COVINGTON	7,314,266	3.154813%
TOTAL		231,844,704	100.000000%

KPPA Board Meeting - Joint Audit Committee Report and Recommendations

Kentucky Retirement Systems
Schedule B-Schedule of Pension Amounts by Employer
Fiscal Year Ended June 30, 2022

County Employees Retirement System (Hazardous)

Employers are presented in order by assigned employer reporting code. There are separate schedules for Non-Hazardous and Hazardous and as such reporting employers may appear on multiple schedules.

Employer Code	Participating Employer Name	Net Pension Liability as of June 30, 2022			Pension Expense			Outstanding Balance of Deferred Outflows of Resources				Change in				Recognition of Existing Deferred Outflows (Ending June 30, 2022)				
		Discount Rate 6.25%	Discount Rate Less 0.05%	Discount Rate 7.25%	Proportionate Share of Aggregate Plan Contributions Expense	From Changes in Proportionate Share Between Employer Contrib. & Proportionate Share of Plan Contributions	Gross Employer Pension Expense	Net Employer Pension Expense	Liability Experience	Investment Experience	Total Deferred Outflows of Resources	Change in Proportionate & Difference Between Employer Contrib. & Proportionate Share of Plan Contributions	Total Deferred Outflows of Resources	Change in Proportionate & Difference Between Employer Contrib. & Proportionate Share of Plan Contributions	Total Deferred Outflows of Resources	2023	2024	2025	2026	
																				(1)
3992	JEFFERSON CO SHERIFF	29,310,050	36,510,414	23,483,729	2,634,050	(1,497,658)	1,196,392	1,196,392	86,370	3,265,598		4,190,398	3,492,528	3,492,528	6,049,989	(843,198)	(765,877)	(842,544)	548,468	
3994	KENTON CO SHERIFF	4,781,115	6,449,480	5,423,564	603,589	(311,746)	291,843	291,843	10,519	270,659		311,112	270,659	270,659	704,449	1,351,298	(207,651)	(207,121)	1,131,212	
3996	CAMPBELL CO SHERIFF	274,967	354,518	219,952	74,714	(111,865)	(87,153)	(87,153)	7,884	26,672		38,555	26,672	26,672	26,672	(6,265)	(6,475)	(8,934)	2,412	
3998	DAVIES CO SHERIFF	1,156,325	1,405,701	723,942	82,864	(263,562)	560,394	560,394	283,228	1,031,381		1,284,909	89,995	585,552	1,379,445	(86,911)	(86,911)	(130,499)	207,618	
3994	HARDEN COUNTY SHERIFF	1,277,763	1,781,365	5,021,722	524,166	(1,153,576)	576,327	576,327	179,995	700,279		1,347,675	552,280	308,116	863,396	(11,910)	(47,633)	8,620	109,206	
3996	WARREN COUNTY SHERIFF	6,090,726	8,227,214	8,027,396	907,078	(243,977)	663,101	663,101	34,833	1,148,483		1,492,266	695,300	1,548,160	(17,463)	(18,119)	(19,243)	208,006		
3948	BOONE COUNTY SHERIFF	44,652,017	55,560,077	33,684,544	4,000,400	(280,491)	3,724,549	3,724,549	1,779,048	4,978,212		14,464,745	7,720,025	3,945,844	21,372,144	6,248,305	603,776	438,755	(419,160)	508,577
3992	WANKAMON COUNTY SHERIFF	5,306,042	6,826,003	4,826,048	482,744	(84,877)	397,867	397,867	19,988	740,698		840,686	36,988	456,962	718,422	(1,288)	(1,288)	(1,288)	1,288	
3992	BULLITT CO SHERIFF	7,214,120	8,986,346	5,770,720	643,121	(1,244,441)	521,677	521,677	220,841	804,727		1,310,403	1,310,403	212,820	804,620	79,570	138,133	85,388	201,818	
4002	ADAMS COUNTY SHERIFF	437,936	520,483	328,236	37,979	(106,022)	168,050	168,050	13,988	246,988		260,976	168,050	45,926	168,050	(1,728)	(1,728)	(1,728)	1,728	
4019	HILLVIEW/DAYTON FIRE	11,827,817	7,707,963	4,949,767	554,092	(113,248)	666,330	666,330	17,416	690,248		297,009	1,164,477	547,326		547,326	207,713	166,842	73,077	170,618
4019	SOUTHERN CAMPBELL F DIST	2,345,520	2,326,801	1,879,409	211,155	(6,495)	209,660	209,660	67,362	282,025		58,779	180,341	207,282	26,249	42,005	12,577	67,412	67,412	
4000	KNOXVILLE POLICE & FIRE																			
4002	ALLEN CO AMBULANCE SVC	3,763,315	4,690,316	3,011,959	338,384	(6,402)	331,802	331,802	107,958	420,018		48,841	578,117	331,050	36,649	55,382	46,875	9,006	95,970	
4020	WOODFORD CO FIRE DISTRICT	1,377,262	1,716,356	1,010,542	123,255	(76,492)	206,586	206,586	39,483	193,651		37,219	56,311	121,894	16,938	18,174	86,709	80,179	80,179	
4008	BURLINGTON CO FIRE DISTRICT	7,653,496	9,336,317	6,306,357	800,336	(63,817)	736,519	736,519	67,244	1,042,263		672,941	1,042,263	672,941	672,941	672,941	672,941	672,941	672,941	
4015	CITY OF HILLVIEW	5,053,189	6,368,415	4,025,389	452,236	(240,285)	692,022	692,022	14,288	563,337		663,101	1,066,720	465,107	403,788	272,862	178,341	34,002	139,720	
4005	CITY OF BELLEVILLE	1,084,642	1,218,713	846,814	61,109	(3,113)	113,713	113,713	20,318	111,091		193,777	217,621	62,639	4,833	68,464	51,655	65,739	50,716	
4048	CITY OF HANLAN	209,147	269,527	167,263	18,798	(44,522)	92,448	92,448	5,997	78,330		131,253	105,588	34,998	49,252	46,669	28,068	8,812	44,544	
4048	INDIAN HOLLOW DIST	1,122,529	1,137,574	877,117	108,528	(1,750)	232,308	232,308	32,172	128,827		288,997	420,623	90,269	453	1,775,386	502,327	658,664	495,544	
4029	CITY OF LUSKING	4,464,648	5,563,490	3,737,171	403,123	(14,938)	388,296	388,296	214,009	490,028		186,256	678,885	384,907	306,877	24,904	(10,099)	(68,245)	84,728	
4056	ANCHORAGE MIDDLETOWN FIRE AND EMS	7,484,386	9,033,626	5,741,675	617,782	(9,702)	167,404	167,404	1,633	833,983		137,765	241,782	6,665,961	1,925,468	8,511,469	9,734,425	4,665,248	(243,622)	1,674,456
4056	KNOXVILLE AIRPORT AUTHORITY	8,879,031	10,179,824	7,173,266	898,464	(166,921)	731,543	731,543	10,569	742,112		1,729,722	2,129,628	1,326,688	2,129,628	793,183	(133,487)	(133,487)	39,600	
4056	LAKE DREAMLAND FIRE DIST																			
4056	CITY OF WINDSORWOOD	2,054,420	2,500,280	1,613,130	181,033	(153,830)	(153,830)	(153,830)	57,757	224,707		33,900	53,900	468,000	468,000	(157,039)	(168,919)	(3,368)	53,311	
4156	FAIRDALE FIRE DISTRICT	4,782,046	5,887,013	3,780,438	424,720	(80,284)	465,544	465,544	135,503	572,187		113,465	776,152	418,024	337,722	445,744	14,072	93,189	4,345	112,770
4056	INDIAN HOLLOW DIST	790,290,514	985,823,230	630,660,539	68,200,219	(1,020,220)	67,180,999	67,180,999	128,228	1,020,220		1,020,220	1,020,220	8,423,688	8,423,688	8,423,688	8,423,688	8,423,688	8,423,688	
4156	INDIAN HOLLOW DIST	978,813	1,220,568	781,804	88,054	(27,207)	60,851	60,851	20,094	109,302		112,020	2,441,414	86,670	79,479	166,149	(4,501)	22,603	32,288	12,617
4071	CITY OF LEWISBURG	244,988	302,081	154,711	21,837	(6,048)	16,211	16,211	4,967	27,105		89	34,161	21,493	12,149	15,682	15	(1,038)	(3,610)	52,811
4086	CITY OF EDNA BURG FIRE	794,795	877,898	561,782	64,189	(9,473)	14,866	14,866	20,298	78,420		38,203	181,889	18,241	116,728	177,689	3,280	(16,919)	(6,292)	23,899
4156	INDIAN HOLLOW DIST	2,461,747	3,060,000	1,979,675	224,413	(15,874)	178,287	178,287	50,640	270,427		84,262	379,891	217,923	188,643	147,893	65,460	65,460	75,574	
6015	ZIONTON FIRE PRO DIST	5,097,351	6,349,834	4,077,646	493,110	(120,445)	578,551	578,551	149,176	568,424		301,770	1,064,548	400,888	1,024,244	577,313	206,645	96,711	4,292	138,807
4056	INDIAN HOLLOW DIST	364,647	459,210	279,489	36,447	(10,544)	25,903	25,903	7,329	18,574		11,117	47,712	11,117	7,983					
3002	CITY OF SCOTTSVILLE	3,150,508	3,924,473	2,526,162	283,132	(106,492)	388,224	388,224	96,311	314,117		184,227	501,919	276,669	155,546	330,219	68,706	49,649	29,991	86,803
3007	CITY OF MORGANTOWN	1,881,759	4,831,346	2,845,162	348,915	(148,915)	200,000	200,000	11,171	178,829		167,658	444,444	1,425,339	5,475,339	61,213	31,705	101,293	101,293	
3007	CITY OF MORGANTOWN	11,154,452	14,355,943	9,124,824	1,104,824	(74,404)	1,130,308	1,130,308	390,412	1,520,720		1,601,378	1,520,720	1,520,720	1,520,720	1,520,720	1,520,720	1,520,720	1,520,720	
4024	CITY OF FRANKFORT	4,142,219	5,142,219	3,142,219	380,000	(142,219)	337,781	337,781	128,888	466,669		1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	
3007	CITY OF FRANKFORT	4,348,848	5,198,114	3,467,778	335,703	(425,425)	347,078	347,078	124,889	471,967		352,291	648,714	348,924	1,939,677	573,995	307,272	(15,178)	(91,940)	923,568
4040	CITY OF LANCASTER	1,240,723	1,543,523	992,482	111,503	(39,747)	71,755	71,755	15,734	118,402		17,911	177,317	109,744	120,022	220,707	(15,428)	(23,343)	(55,841)	21,784
4059	INDIAN HOLLOW DIST	4,881,822	6,184,822	3,184,822	380,000	(142,219)	237,781	237,781	128,888	466,669		1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	
4063	CITY OF LONDON	10,953,877	13,644,847	8,742,349	988,240	(85,544)	902,696	902,696	34,027	1,218,966		666,542	2,265,502	968,892	1,749,649	1,540,574	100,577	116,252	137,663	321,071
4063	CITY OF LONDON	2,081,203	2,539,165	1,629,804	182,249	(62,249)	120,000	120,000	38,249	158,249		120,000	158,249	120,000	120,000	120,000	120,000	120,000	120,000	
4084	CITY OF HARDSBURG	1,738,446	2,165,519	1,390,622	158,212	(128,793)	27,939	27,939	49,849	193,922		24,762	153,769	159,369	348,078	(80,882)	(91,133)	(66,669)	31,472	
4090	CITY OF HARDSBURG	1,029,888	1,359,969	829,808	98,000	(32,219)	65,781	65,781	12,888	78,669		62,888	132,557	80,669	113,222	113,222	113,222	113,222	113,222	
4100	CITY OF SOMERSET	30,552,885	38,058,370	24,438,768	2,745,727	(570,356)	3,136,083	3,136,083	87,000	3,498,128		1,235,365	5,374,493	2,792,445	709,974	3,414,214	1,055,448	533,890	(14,724)	689,366
4113	CITY OF WINDSORWOOD	878,083																		

KPPA Board Meeting - Joint Audit Committee Report and Recommendations

Key Retirement Systems
Schedule B-Schedule of Pension Amounts by Employer
Fiscal Year Ended June 30, 2022

County Employees Retirement System (Hazardous)

Employers are presented in order by assigned employer reporting code. There are separate schedules for Non-Hazardous and Hazardous and as such reporting employers may appear on multiple schedules.

Employer Code	Participating Employer Name	Net Pension Liability as of June 30, 2022			Pension Expenses			Outstanding Balance of Deferred Outflows of Resources			Change in Proportion & Employer Contributions		Change in Proportion & Employer Contributions		Recognition of Existing Deferred Outflows (Inflows) of Resources for Future Measurement Period Ending June 30,				
		Discount Rate 6.25%	Discount Rate Less 1.00% 5.25%	Discount Rate Plus 1.00% 7.25%	Proportionate Share of Aggregate Pension Expense	Proportion & Differences Between Employer Contributions & Proportionate Share of Plan Contributions	Gross Employer Pension Expense	Net Employer Pension Expense	Liability Experience	Investment Experience	Total Deferred Outflow of Resources	Investment Experience	Total Deferred Inflow of Resources	2023	2024	2025	2026		
1001	CITY OF WINCHESTER	28,424,673	29,179,139	18,737,938	2,105,234	(65,473)	4,443,237	4,443,237	67,624	2,512,207	37,048	3,297,956	2,071,926	1,493,334	3,765,206	(29,251)	(93,251)	(39,326)	4,581
1031	EMMONSON CO AMBLIANCE DIST	1,091,232	1,359,308	877,908	98,067	(83,777)	14,200	14,200	13,288	111,776	7,019	160,033	65,522	282,239	378,781	(64,293)	(47,427)	(87,179)	51,949
1035	CITY OF EMMERSBURG	1,076,095	1,385,206	855,669	114,222	(103,989)	28,259	28,259	36,448	147,776	8,258	144,622	114,222	109,882	233,388	(103,989)	(103,989)	(60,628)	26,529
1039	CITY OF WARSAW	1,064,714	1,326,279	851,689	95,644	(88,975)	28,659	28,659	26,577	118,798	45,463	165,744	54,176	176,827	231,003	(88,975)	(88,975)	(65,446)	31,502
1044	GREYSTOCK AMBLIANCE SVC	1,534,926	1,987,089	1,211,829	136,444	(111,026)	126,114	126,114	44,836	366,989	30,298	252,822	139,398	140,718	279,726	37,848	(60,361)	(89,326)	28,907
1050	8461188	1,046,188	1,046,188	1,046,188	75,507	51,122	126,114	126,114	19,472	21,284	14,200	27,484	14,200	14,200	27,484	14,200	14,200	27,484	14,200
1052	CITY OF EMERSON	1,860,393	2,238,586	1,495,317	167,296	(86,759)	226,755	226,755	53,598	286,255	28,219	409,427	165,388	175,411	382,839	87,592	(87,592)	(85,562)	63,828
1057	CITY OF WINDHAM	13,940,444	14,272,537	17,491,712	3,050,183	(2,913,422)	3,050,183	3,050,183	13,700,341	1,700,341	3,000,000	3,000,000	1,186,314	1,186,314	1,001,000	1,186,314	1,186,314	1,001,000	552,361
1061	CITY OF BARBOURVILLE	1,200,000	1,497,287	961,956	168,022	(99,314)	88,708	88,708	34,463	114,082	17,792	136,317	36,339	140,718	174,931	(88,708)	(88,708)	(82,444)	26,608
1072	CITY OF GAYDONVILLE	825,172	1,028,385	660,393	74,133	(68,408)	1,869	1,869	1,869	15,712	7,022	22,734	189,466	181,329	212,327	(68,408)	(68,408)	(61,237)	31,644
1073	CITY OF PADUCAH	47,983,053	50,780,254	38,381,108	4,411,990	(4,681,611)	4,411,990	4,411,990	1,757,202	5,324,248	1,504,649	8,242,599	4,243,088	1,079,937	5,324,248	1,086,425	(64,307)	(128,283)	1,046,131
1077	CITY OF CALDWELL	1,141,000	1,471,136	946,712	196,135	(62,627)	166,717	166,717	1,184	11,747	15,441	10,460	10,460	10,460	10,460	10,460	10,460	10,460	10,460
1086	CITY OF TOMPKINSVILLE	1,472,370	1,814,064	1,197,572	132,919	(125,266)	105,960	105,960	42,821	184,641	18,211	202,852	18,211	27,649	406,462	(125,266)	(125,266)	(118,861)	26,814
1090	CITY OF NEW HAVEN	102,804	124,059	82,235	9,239	(11,525)	(2,286)	(2,286)	2,948	11,448	1,441	6,091	6,091	6,091	6,091	(11,525)	(11,525)	(12,042)	(1,034)
1097	CITY OF HAZARD	836,798	1,046,798	682,798	57,744	(51,969)	48,929	48,929	19,798	14,668	26,907	40,728	40,728	40,728	40,728	40,728	40,728	40,728	40,728
1108	SPENCER CO FIRE DIST	668,151	834,015	531,588	60,172	(7,917)	68,089	68,089	19,157	74,688	33,700	117,588	10,213	87,349	168,211	13,763	(14,914)	(3,889)	16,607
1110	CITY OF BARKERSVILLE	536,487	646,823	433,969	68,279	(61,966)	46,609	46,609	14,929	36,629	19,229	146,209	46,088	52,961	111,049	32,961	(32,961)	(33,600)	12,386
1119	ELMIRE FIRE PROTECTION	1,607,385	1,493,838	2,881,787	324,209	(56,909)	381,118	381,118	10,436	402,421	497,386	1,001,243	319,098	1,647,7	481,755	124,011	(134,896)	(137,758)	127,615
1156	HARRIS CREEK FIRE DIST	-	-	-	-	(1,103,260)	(1,103,260)	(1,103,260)	-	-	-	-	-	-	-	3,110,818	3,110,818	(87,417)	-
1158	EMERSON FIRE PROTECTION	-	-	-	-	(726,976)	(726,976)	(726,976)	-	-	-	-	-	-	-	-	-	-	-
1159	FERD CREEK FIRE DIST	-	-	-	-	4,413,515	2,590,711	2,590,711	376,574	1,441,152	3,380,026	5,237,771	1,158,640	2,930,48	2,865,698	3,498,424	1,424,133	674,544	409,774
1159	PLEASURE RIDGE PARK FIRE	10,090,082	16,311,051	10,474,244	1,171,196	(3,148,007)	5,970,752	5,970,752	85,991	3,321,501	5,890,456	10,069,339	2,634,550	2,930,48	2,865,698	3,498,424	2,463,830	330,200	709,467
1159	WORTHINGTON FIRE DIST	-	-	-	-	(1,186,245)	(1,186,245)	(1,186,245)	-	-	-	-	-	-	-	-	-	-	-
1164	CITY OF HARRISBURG	881,580	1,006,448	796,799	79,426	(42,819)	76,787	76,787	2,834	98,561	21,051	146,399	78,541	262,467	346,623	(42,819)	(42,819)	(9,903)	3,577
1165	MAINT CIVIL SERVICE DIST	238,821	293,524	194,613	20,743	(18,212)	167,739	167,739	2,834	98,561	21,051	146,399	78,541	262,467	346,623	(18,212)	(18,212)	(9,903)	3,577
1166	CITY OF OLIVE HILL	1,485,846	1,858,864	1,188,864	133,531	(37,332)	450,883	450,883	42,628	366,745	61,547	139,899	134,248	131,429	139,899	34,271	(30,072)	(29,138)	18,049
1167	CITY OF BARTON	15,546,329	16,255,244	12,434,484	1,716,111	(1,416,623)	1,716,111	1,716,111	445,689	1,716,111	1,171,716	2,121,238	1,716,111	1,551,169	2,121,238	(1,416,623)	(1,416,623)	(40,241)	288,141
1168	CITY OF DANBURY SPRINGS	1,091,232	1,359,308	877,908	98,067	(83,777)	14,200	14,200	13,288	111,776	7,019	160,033	65,522	282,239	378,781	(83,777)	(83,777)	(87,179)	51,949
1169	KENTON COUNTY FISCAL COURT	14,316,538	17,826,615	11,447,538	2,814,541	(2,814,541)	2,814,541	2,814,541	410,520	1,356,714	17,100	219,604	1,263,811	1,403,422	2,693,512	(2,814,541)	(2,814,541)	(401,621)	240,241
1170	CITY OF RICHMOND	14,822,872	14,128,453	17,095,051	3,111,509	(3,111,509)	3,111,509	3,111,509	99,029	3,862,154	72,525	5,673,378	3,062,461	688,600	3,751,111	7,077,448	335,965	(18,982)	871,599
1171	MAINT CIVIL SERVICE DIST	238,821	293,524	194,613	20,743	(18,212)	167,739	167,739	2,834	98,561	21,051	146,399	78,541	262,467	346,623	(18,212)	(18,212)	(9,903)	3,577
1172	CITY OF BRANDENBURG	1,020,007	1,280,663	822,309	92,384	(22,491)	37,885	37,885	27,477	114,683	78,101	87,261	90,937	28,811	90,937	24,025	(23,766)	(24,713)	83,702
1173	CITY OF DANBURY SPRINGS	1,091,232	1,359,308	877,908	98,067	(83,777)	14,200	14,200	13,288	111,776	7,019	160,033	65,522	282,239	378,781	(83,777)	(83,777)	(87,179)	51,949
1174	CITY OF FALMOUTH	6,095,187	7,547,208	4,844,872	544,531	(52,806)	(52,806)	(52,806)	173,224	675,897	32,744	37,744	585,941	242,156	242,156	(52,806)	(52,806)	(54,728)	14,214
1175	CITY OF HARRISBURG	881,580	1,006,448	796,799	79,426	(42,819)	76,787	76,787	2,834	98,561	21,051	146,399	78,541	262,467	346,623	(42,819)	(42,819)	(9,903)	3,577
1176	CITY OF GUTHRIE	6,095,187	7,547,208	4,844,872	544,531	(52,806)	(52,806)	(52,806)	173,224	675,897	32,744	37,744	585,941	242,156	242,156	(52,806)	(52,806)	(54,728)	14,214
1177	WHITELY CO FISCAL COURT	11,816,7	1,011,666	651,510	71,420	(11,816)	11,816	11,816	71,420	4,554	15,111	72,262	95,314	11,816	8,023	(4,371)	(6,398)	12,341	
1178	PROXIMA FIRE DIST	1,298,240	1,617,274	1,038,489	116,671	(116,671)	116,671	116,671	37,279	144,811	50,001	232,044	144,811	118,817	106,669	34,964	(26,644)	(9,755)	35,909
1179	CITY OF MILLERSBURG	47,463,151	58,123,247	37,966,905	4,263,456	(4,455,551)	4,263,456	4,263,456	1,360,855	5,748,448	388,127	7,034,473	4,188,218	301,382	4,499,660	673,025	(607,239)	(61,440)	1,377,689
1180	CITY OF PERRYSVILLE	163,917	204,940	133,311	14,641	(9,049)	12,592	12,592	4,524	18,173	399	23,248	14,410	10,627	15,260	(9,049)	(9,049)	(2,443)	1,139
1181	CITY OF WINCHESTER	28,424,673	29,179,139	18,737,938	2,105,234	(65,473)	4,443,237	4,443,237	67,624	2,512,207	37,048	3,297,956	2,071,926	1,493,334	3,765,206	(29,251)	(93,251)	(39,326)	4,581
1182	CITY OF GAYDONVILLE	825,172	1,028,385	660,393	74,133	(68,408)	1,869	1,869	1,869	15,712	7,022	22,734	189,466	181,329	212,327	(68,408)	(68,408)	(61,237)	31,644
1183	CITY OF DANBURY SPRINGS	1,091,232	1,359,308	877,908	98,067	(83,777)	14,200	14,200	13,288	111,776	7,019	160,033	65,522	282,239	378,781	(83,777)	(83,777)	(87,179)	51,949
1184	CITY OF DANBURY SPRINGS	1,091,232	1,359,308	877,908	98,067	(83,777)	14,200	14,200	13,288	111,776	7,019	160,033	65,522	282,239	378,781	(83,777)	(83,777)	(87,179)	51,949
1185	KENTON COUNTY FISCAL COURT	14,316,538	17,826,615	11,447,538	2,814,541	(2,814,541)	2,814,541	2,814,541	410,520	1,356,714	17,100	219,604	1,263,811	1,403,422	2,693,512	(2,814,541)	(2,814,541)	(401,621)	240,241
1186	CITY OF RICHMOND	14,822,872	14,128,453	17,095,051	3,111,509	(3,111,509)	3,111,509	3,111,509	99,029	3,862,154	72,525	5,673,378							

KPPA Board Meeting - Joint Audit Committee Report and Recommendations

Kentucky Retirement Systems
Schedule B-Schedule of Pension Amounts by Employer
Fiscal Year Ended June 30, 2022

County Employees Retirement System (Hazardous)

Employers are presented in order by assigned employer reporting code. There are separate schedules for Non-Hazardous and Hazardous and as such reporting employers may appear on multiple schedules.

Employer Code	Participating Employer Name	Net Pension Liability as of June 30, 2022			Pension Expense			Outstanding Balance of Deferred Outflows of Resources				Change in Proportion & Differences Between Employer Contrib. & Proportionate Share of Plan Contributions		Change in Proportion & Differences Between Employer Contrib. & Proportionate Share of Plan Contributions		Recognition of Existing Deferred Outflows (Inflows) of Resources for Future Measurement Period Ending June 30,						
		Discount Rate 6.25%	Discount Rate Less 1.00% 5.25%	Discount Rate Plus 1.00% 7.25%	Proportionate Share of Aggregate Plan Pension Expense	Proportion & Differences Between Employer Contrib. & Proportionate Share of Plan Contributions	Gross Employer Pension Expense	Net Employer Pension Expense	Liability Experience	Investment Experience	Change in Proportion & Differences Between Employer Contrib. & Proportionate Share of Plan Contributions	Total Deferred Outflow of Resources	Investment Experience	Change in Proportion & Differences Between Employer Contrib. & Proportionate Share of Plan Contributions	Total Deferred Inflow of Resources	2023	2024	2025	2026			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	
V094	OWEN COUNTY FISCAL COURT	752,996	959,824	619,338	68,559	199,707	38,783	38,783	21,876	36,114	30,907	157,298	67,488	161,679	185,160	161,679	161,679	161,679	161,679	161,679	161,679	161,679
V095	PENDLETON CO FISCAL COURT	1,087,570	1,354,746	869,971	97,738	(147,809)	(50,071)	(50,071)	11,183	11,318	66,377	218,871	86,198	136,153	431,357	136,153	136,153	136,153	136,153	136,153	136,153	136,153
V100	PULASKI CO FISCAL CT	36,791,560	20,919,136	13,453,536	2,576,212	387,079	2,089,093	2,089,093	461,028	1,813,306	2,089,500	214,162	1,469,420	551,115	1,538,633	300,760	300,760	300,760	300,760	300,760	300,760	300,760
V101	ROWAN CO FISCAL COURT	1,951,960	2,385,159	1,525,159	171,845	(405,289)	(237,473)	(237,473)	52,815	212,265	-	268,039	149,108	715,651	920,759	(309,818)	309,818	309,818	309,818	309,818	309,818	309,818
V105	SCOTT CO FISCAL CT	41,602,378	58,822,975	33,278,660	3,738,748	1,533,333	4,870,081	4,870,081	1,193,854	4,640,712	2,243,698	8,087,224	3,879,812	1,850,070	3,864,882	1,850,070	1,850,070	1,850,070	1,850,070	1,850,070	1,850,070	1,850,070
V106	SHERIFF CO FISCAL COURT	56,721,864	20,820,818	11,375,189	1,502,771	(295,995)	1,202,122	1,202,122	479,445	1,863,100	(33,092)	2,437,847	1,470,082	920,532	2,388,614	31,401	31,401	31,401	31,401	31,401	31,401	31,401
V107	SIMPSON CO FISCAL COURT	3,377,739	4,207,562	2,701,912	383,551	(46,645)	350,196	350,196	56,845	378,782	189,364	642,991	298,786	32,880	331,744	100,977	100,977	100,977	100,977	100,977	100,977	100,977
V108	SPENCER CO TREASURER	4,293,644	5,340,417	3,434,583	385,864	(42,531)	343,333	343,333	123,195	478,953	282,273	644,262	379,787	88,707	468,574	84,707	84,707	84,707	84,707	84,707	84,707	84,707
V109	TAYLOR COUNTY FISCAL COURT	2,401,924	2,991,990	1,921,382	215,858	19,566	235,424	235,424	68,867	263,811	76,870	413,679	32,455	104,133	316,604	37,413	37,413	37,413	37,413	37,413	37,413	37,413
V112	TREMBLE CO FISCAL COURT	442,492	551,196	351,919	39,766	11,024	51,790	51,790	12,687	49,103	62,663	144,710	79,339	14,823	131,962	32,649	32,649	32,649	32,649	32,649	32,649	32,649
V113	UNION COUNTY FISCAL COURT	1,127,758	1,404,807	920,118	101,350	1,830	106,180	106,180	32,335	125,800	14,658	248,791	99,792	16,211	146,073	20,422	20,422	20,422	20,422	20,422	20,422	20,422
V115	WASHINGTON CO FTS COURT	1,792,360	2,212,684	1,411,762	161,077	(2,422)	158,645	158,645	51,930	199,917	110,111	361,431	158,538	13,779	212,317	25,138	25,138	25,138	25,138	25,138	25,138	25,138
V116	CITY OF HIGHLAND HEIGHTS	2,878,118	3,806,454	2,302,048	294,076	(164,366)	458,360	458,360	162,526	345,074	294,591	480,660	480,240	700,848	(107,248)	700,848	700,848	700,848	700,848	700,848	700,848	700,848
V120	WOODFORD CO FISCAL COURT	4,973,296	6,195,054	3,972,249	446,943	108,051	554,996	554,996	142,593	554,767	288,639	981,599	439,890	20,378	460,270	178,813	178,813	178,813	178,813	178,813	178,813	178,813
V130	CITY OF BRANSON	21,262,515	26,479,261	17,026,002	3,963,511	1,648,848	3,648,848	3,648,848	609,480	2,311,628	1,442,248	4,282,241	3,880,377	2,444,846	4,461,138	235,492	235,492	235,492	235,492	235,492	235,492	235,492
V171	CITY OF ADRIANVILLE	247,471	304,268	197,900	23,240	(46,011)	(46,011)	(46,011)	10,338	30,907	30,907	103,601	34,486	(46,011)	(46,011)	103,601	103,601	103,601	103,601	103,601	103,601	103,601
V196	CITY OF BURGESS	301,268	380,261	244,150	27,434	(4,493)	22,941	22,941	6,751	34,052	578	43,131	18,175	(2,002)	45,171	(500)	(500)	(500)	(500)	(500)	(500)	(500)
V197	CITY OF HAZARD	301,268	380,261	244,150	27,434	(4,493)	22,941	22,941	6,751	34,052	578	43,131	18,175	(2,002)	45,171	(500)	(500)	(500)	(500)	(500)	(500)	(500)
V198	BARREN METROPOLITAN COLLEGE	2,008,478	2,240,520	1,709,011	290,461	270,448	270,448	270,448	260,020	1,802,248	765,440	2,514,828	856,424	397,761	232,300	497,761	232,300	232,300	232,300	232,300	232,300	232,300
V208	CITY OF PHOENIXVILLE	4,084,070	5,087,378	3,268,938	387,030	(711,998)	(344,968)	(344,968)	117,098	495,751	572,671	1,068,422	361,244	1,569,184	1,030,608	(54,759)	(469,695)	(469,695)	(469,695)	(469,695)	(469,695)	(469,695)
V210	CITY OF DUNDRIDGE	37,814,391	27,044,394	46,240,418	3,318,538	387,976	3,706,514	3,706,514	3,603,386	844,628	196,185	8,242,091	3,111,620	9,322,801	636,508	636,508	636,508	636,508	636,508	636,508	636,508	636,508
V247	CITY OF PADUCAH	16,602,247	19,845,877	12,808,511	1,433,989	(468,413)	1,155,585	1,155,585	459,069	1,766,115	-	2,261,251	1,416,115	704,716	2,193,551	(18,860)	(65,161)	(65,161)	(65,161)	(65,161)	(65,161)	(65,161)
V250	CITY OF ELSBIE	4,057,491	5,054,195	3,246,629	366,636	52,254	418,890	418,890	116,324	502,021	79,523	648,466	358,888	64,829	453,737	88,871	88,871	88,871	88,871	88,871	88,871	88,871
V276	CITY OF BESSA	10,760,050	13,414,615	8,614,402	967,800	2,261,963	3,329,763	3,329,763	389,768	3,269,079	7,700,000	9,210,047	992,544	-	992,544	2,515,464	2,490,518	2,490,518	2,490,518	2,490,518	2,490,518	2,490,518
V288	UNION EMERGENCY SERVICES	10,295,008	12,824,230	8,235,277	925,206	242,867	1,167,873	1,167,873	285,179	1,148,440	493,874	1,907,463	910,622	1,618,802	1,073,704	439,629	338,014	(29,509)	(29,509)	(29,509)	(29,509)	(29,509)
V447	CITY OF ELIZABETHTOWN	10,961,007	13,461,469	8,740,121	1,271,514	121,907	2,000,311	2,000,311	885,439	3,644,852	378,209	4,294,020	2,715,565	550,091	3,261,651	555,818	555,818	555,818	555,818	555,818	555,818	555,818
V468	WALTON FIRE DISTRICTS	8,408,572	10,475,488	6,727,063	755,757	89,869	825,628	825,628	241,117	1,048,081	218,617	1,388,811	743,843	44,880	788,823	130,575	130,575	130,575	130,575	130,575	130,575	130,575
V547	CITY OF VINE GROVE	1,627,617	2,027,463	1,281,965	146,272	161,839	307,111	307,111	46,657	383,559	338,946	667,171	141,966	12,671	115,631	156,363	149,626	149,626	149,626	149,626	149,626	149,626
V578	HEBRON FIRE PROTECTION DIST	10,021,636	13,714,398	12,017,739	1,350,111	1,426	1,351,079	1,351,079	430,754	1,673,825	336,770	2,441,399	1,348,870	499,118	1,428,088	87,056	87,056	87,056	87,056	87,056	87,056	87,056
V808	POINT PLEASANT FIRE DIST	4,191,762	5,211,515	3,159,488	377,429	(101,651)	275,778	275,778	120,415	466,481	268,908	877,807	371,479	522,225	893,704	(9,448)	(9,448)	(9,448)	(9,448)	(9,448)	(9,448)	(9,448)
V910	CITY OF WALDEN	6,861,772	8,586,817	5,551,065	649,364	(86,761)	538,561	538,561	187,688	748,772	188,162	1,486,561	609,911	37,043	646,864	7,681	7,681	7,681	7,681	7,681	7,681	7,681
V959	CITY OF COVINGTON	56,267,771	118,917,614	77,004,726	8,651,450	1,337,763	9,989,211	9,989,211	2,760,167	10,789,591	3,220,795	16,729,555	8,515,074	-	8,515,074	2,615,400	2,172,542	2,172,542	2,172,542	2,172,542	2,172,542	2,172,542
TOTAL		3,049,452,270	3,807,089,415	2,440,924,199	274,730,210	6,088,527	280,118,717	280,118,717	87,409,677	340,586,511	118,113,186	646,193,671	269,407,195	104,424,908	374,132,103	54,819,749	41,002,105	374,132,103	374,132,103	374,132,103	374,132,103	374,132,103

The accompanying notes are an integral part of these schedules.

Kentucky Public Pensions Authority (KPPA)
Notes to Schedules of Employer Allocations and Pension Amounts by Employer
For the Fiscal Year Ended June 30, 2022

Organization

Under the provisions of Kentucky Revised Statute Section 78.782 and 61.645 the Kentucky Public Pensions Authority oversees the administration and operation of the personnel and accounting systems for the County Employees Retirement System – Nonhazardous Pension Plan (CERS Nonhazardous) County Employees Retirement System – Hazardous Pension Plan (CERS Hazardous) collectively CERS, the Kentucky Employees Retirement System – Nonhazardous (KERS Nonhazardous), Kentucky Employees Retirement System – Hazardous (KERS Hazardous), collectively KERS, and State Police Retirement System (SPRS) which are administered by KPPA. Although the assets of the funds are invested as a whole, each plan's assets are accounted for separately, invested according to plan-specific asset allocation goals, and are used only for the payment of benefits to the members of that fund and a pro rata share of administrative costs, in accordance with the provisions of Kentucky Revised Statute Sections 78.630, 61.570 and 16.555.

The KPPA Board is comprised of elected and appointed representatives from the CERS and Kentucky Retirement System (KRS) boards. The KPPA Board, as of December 7, 2022, is comprised of Jerry W. Powell, Chair, elected by CERS, selected by CERS Board Chair; C. Prewitt Lane, Vice Chair, Governor Appointee, KRS Investment Committee Chair; Betty Pendergrass, elected by CERS, CERS Board Chair; Dr. Merl Hackbart, Governor Appointee, CERS Investment Committee Chair; William O'Mara, Governor Appointee, selected by CERS Chair; Ellen Lynn Hampton, Governor Appointee, KRS Board Chair; Keith Peercy, elected by SPRS, selected by KRS Chair; and John Cheshire III, Governor Appointee, selected by KRS Chair.

The CERS Board and the KRS Board each have nine trustees. Three elected by the membership and six appointed by the Governor. For more information on the Boards and their makeup including bios for each trustee, please visit the KPPA website, kyret.ky.gov.

CERS Nonhazardous, CERS Hazardous, KERS Nonhazardous, and KERS Hazardous are cost-sharing multiple-employer defined benefit plans that cover all regular full-time members employed in non-hazardous and hazardous positions of any state department, board, agency, county, city, school board, and any additional eligible local agencies electing to participate. The plans provide for retirement, disability, and death benefits to plan members. Retirement benefits may be extended to beneficiaries of plan members under certain circumstances.

SPRS is a single-employer defined benefit plan that covers all full-time state troopers employed in a hazardous duty position by the Kentucky State Police. The plan provides for retirement, disability, and death benefits to plan members. Retirement benefits may be extended to beneficiaries of plan members under certain circumstances. No schedule has been presented for SPRS, since it is a single-employer defined benefit pension plan.

Relationship to Combining Financial Statements

The components associated with pension expense and deferred outflows and inflows of resources have been determined based on the net increase in fiduciary net position as shown in the Combining Statement of Changes in Fiduciary Net Position and in accordance with requirements promulgated by Governmental Accounting Standards Board (GASB) Statements No. 67 and 68. The net pension liability at June 30, 2022, is reported in the Notes to Combining Financial Statements and Required Supplementary Information.

Based on guidance issued by GASB in connection with GASB statement No. 74, the 1% of pay member

Kentucky Public Pensions Authority
Notes to Schedules of Employer Allocations and Pension Amounts by Employer
For the Fiscal Year Ended June 30, 2022
(Continued)

contribution 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 positions as of June 30, 2017 and later are net of the 401(h) asset balance.

Summary of Significant Accounting Policies

Employer contributions to KPPA are calculated based upon creditable compensation for active members reported by employers for CERS Hazardous, CERS Non Hazardous and KERS Hazardous. House Bill 8 passed during the 2021 legislative session changed how employer contributions are allocated and collected from the participating employers in the KERS Non-Hazardous fund. Therefore, the calculation of the proportionate share of the Collective Pension Amounts for employers that participate in the KERS Non-Hazardous pension fund has been updated since June 30, 2020. The proportionate share of the Collective Pension Amounts for employers that participate in the KERS Non-Hazardous fund is based upon their allocation of the amortization cost, as specified under the revised statutes. It is further based upon their allocation of the normal cost portion of the required contribution, as allocated by actual salary for fiscal year ending June 30, 2022. The final proportionate share calculation, which represents an employer's share of the long-term contribution effort assumes the amortization cost is approximately 90 % of the aggregate required contribution for the fund. Employer contributions are accrued when earned and the employer has made a formal commitment to provide the contributions.

Net Investment income represents realized and unrealized gains and losses based on the fair value of investments, interest, and dividends, net of investment expenses. Investment income/loss is allocated to each plan based on the plan's ownership in the respective investment account.

The Schedule of Employer Allocations reflects employer contributions received for the fiscal year ended June 30, 2022, and includes the following for each individual employer:

- employer contributing entity and reporting code;
- the amount of the employer contributing entity's contributions; and,
- the employer contributing entity's contributions as a percentage of total employer contributions, as defined by this allocation.

The Employer Allocation Percentage has been rounded to six decimal places.

The components of the net pension liability of CERS and KERS for participating employers as of June 30, 2022, calculated in accordance with GASB Statement No. 67, are as follows (dollars in thousands):

	CERS Non-Hazardous	CERS Hazardous	KERS Non-Hazardous	KERS Hazardous
Total Pension Liability	\$ 15,192,599	\$ 5,769,691	\$ 16,281,188	\$ 1,318,494
Fiduciary Net Position	7,963,586	2,718,234	3,013,845	810,978
Net Pension Liability	<u>\$ 7,229,013</u>	<u>\$ 3,051,457</u>	<u>\$ 13,267,343</u>	<u>\$ 507,516</u>

**Kentucky Public Pensions Authority
Notes to Schedules of Employer Allocations and Pension Amounts by Employer
For the Fiscal Year Ended June 30, 2022
(Continued)**

Actuarial Methods and Assumptions for Determining the Total Pension Liability and Net Pension Liability

For financial reporting, the actuarial valuation as of June 30, 2022, was performed by Gabriel Roeder Smith (GRS). The total pension liability, net pension liability, and sensitivity information as of June 30, 2022 were based on an actuarial valuation date of June 30, 2021. The total pension liability was rolled-forward from the valuation date (June 30, 2021) to the plan’s fiscal year ending June 30, 2022, using generally accepted actuarial principles.

There have been no actuarial assumption or method changes since June 30, 2021. Additionally, there have been no plan provision changes that would materially impact the total pension liability since June 30, 2012.

House Bill 1 passed during the 2022 legislative session and included a provision that provided an approximate 8% across-the-board salary increase for KERS members effective July 1, 2022, for eligible State employees. While this salary increase may produce an actuarial loss with respect to the liability attributable to Tier 1 and Tier 2 active members (i.e. a higher total pension liability than expected based on current actuarial assumptions), there was not sufficient information available at the time the roll-forward Total Pension Liability was calculated to make a reasonable adjustment to reflect these anticipated salary increases. It is GRS’s opinion that these procedures for determining the information contained in this report are reasonable, appropriate, and comply with applicable requirements under GASB No. 68.

The actuarial assumptions are:

Inflation	2.30%
Payroll Growth Rate	2.0% for CERS Non-Hazardous and Hazardous, and 0.0% for KERS Non-Hazardous and Hazardous
Salary Increases	3.30% to 10.30%, varies by service for CERS Non-Hazardous; 3.55% to 19.05% varies by service for CERS Hazardous 3.30 % to 15.30%, varies by service for KERS Non-Hazardous 3.55% to 20.05%, varies by service for KERS Hazardous
Investment Rate of Return	6.25% for CERS Non-Hazardous, and Hazardous, and KERS Hazardous, 5.25% for KERS Non-Hazardous

The mortality table used for active members was a Pub-2010 General Mortality table, for the Non-Hazardous System, and the Pub-2010 Public Safety Mortality table for the Hazardous System, projected with the ultimate rates from the MP-2014 mortality improvement scale using a base year of 2010. The mortality table used for healthy retired members was a system-specific mortality table based on mortality experience from 2013-2018, projected with the ultimate rates from MP-2014 mortality improvement scale using a base year of 2019. The mortality table used for the disabled members was PUB-2010 Disabled Mortality table, with a 4-year set-forward for both male and female rates, projected with the ultimate rates from the MP-2014 mortality improvement scale using a base year of 2010.

Discount Rate

The projection of cash flows used to determine the discount rate of 6.25% for CERS Non-hazardous and CERS Hazardous assumes that the funds receive the required employer contributions each future year,

**Kentucky Public Pensions Authority
Notes to Schedules of Employer Allocations and Pension Amounts by Employer
For the Fiscal Year Ended June 30, 2022
(Continued)**

as determined by the current funding policy established in Statute, as amended by House Bill 362, (passed in 2018) over the remaining 29 years (closed) amortization period of the unfunded actuarial accrued liability.

The projection of cash flows used to determine the discount rate of 5.25% for the KERS Non-hazardous, and 6.25% for KERS Hazardous, assumes that the funds receive the required employer contributions each future year, as determined by the current funding policy, established in Statute as amended by House Bill 8, passed during the 2021 legislative session, over the remaining 29 years (closed) amortization period of the unfunded actuarial accrued liability.

The discount rate determination does not use a municipal bond rate. The target asset allocation and best estimates of arithmetic real rates of return for each major asset class are summarized in the Annual Comprehensive Financial Report (ACFR).

Basis of Accounting

The underlying financial information used to prepare allocation schedules is based on KPPA's combining financial statements. KPPA's combining financial statements for all plans are prepared using the accrual basis of accounting and are prepared in accordance with accounting principles generally accepted in the United State of America (GAAP) that apply to governmental accounting for fiduciary funds.

Use of Estimates in Preparation of the Schedules

The preparation of the schedules in conformity with Generally Accepted Accounting Principles (GAAP) requires management to make estimates and assumptions that affect certain amounts and disclosures. KPPA accrues employer contributions using estimates based on historical data. Actual results could differ from those estimates.

Reconciliation of Employer Contributions

The reconciliation between the employer contributions used for the Schedule of Employer Allocations and the Combining Statements of Changes in Fiduciary Net Position as of June 30, 2022, are presented below (\$ in thousands):

	CERS Non-Hazardous	CERS Hazardous	KERS Hazardous
Per GRS Schedule A	\$ 629,917,086	\$ 231,844,704	\$ 60,454,490
Retired Reemployed	14,419,110	5,113,444	2,669,333
Other Employer Contributions	1,507,338	261,080	(58,725)
Interest	72,155	10,852	12,825
Write-Offs/Refunds	(116,210)	(55,620)	63,783
Employer Pay Credit	(42,201,325)	(16,751,275)	(5,496,362)
Sick Leave	3,072,493	1,545,214	1,406,986
Outstanding Checks	100,643	-	-
PC001 Adj for half 7/21pp reported at 6/21 rate			
KRS			
KTRS			
Total	\$ 606,771,290	\$ 221,968,401	\$ 59,052,328
Employer Contributions per Statement of Change in Fiduciary Net Position	\$ 606,771,290	\$ 221,968,401	\$ 59,052,328
	\$ -	\$ -	\$ -
	0.00%	0.00%	0.00%

***Other Employer Contributions**-contributions from prior period adjustments; omitted contributions/invoices; and, other ER invoice not sick leave.

Kentucky Public Pensions Authority
Notes to Schedules of Employer Allocations and Pension Amounts by Employer
For the Fiscal Year Ended June 30, 2022
(Continued)

The items listed above are included in the contributions on the Combining Statements of Changes in Fiduciary Net Position, but are not included in the Schedule A (GRS reports). The contributions per Schedule A (GRS reports) represent actual contributions made related to the measurement period.

Actuarial Methods and Assumptions used to determine the Actuarial Determined Contributions for the Fiscal Year 2022

The following actuarial methods and assumptions were used to determine the actuarially determined contributions effective for fiscal year ending June 30, 2022:

Valuation Date	June 30, 2020 for CERS Non- Hazardous and CERS Hazardous June 30, 2020 for KERS Non-Hazardous and KERS Hazardous
Experience Study	July 1, 2013 to June 30, 2018
Actuarial Cost Method	Entry Age Normal
Amortization Method	Level percent of pay
Remaining Amortization Period	30 years closed period at June 30, 2019 <i>Gains/losses incurring after 2019 will be amortized over separate closed 20-year amortization bases</i>
Payroll Growth Rate	2.0% for CERS Non-Hazardous and Hazardous 0.0% for KERS Non-Hazardous and Hazardous
Asset Valuation Method	20% of the difference between the market value of assets and the expected actuarial value of assets is recognized
Inflation	2.30%
Salary Increase	3.30% to 10.30%, varies by service for CERS Non-Hazardous 3.55 % to 19.05%, varies by service for CERS Hazardous 3.30% to 15.30% varies by service, for KERS Non-Hazardous 3.55% to 20.05% varies by service for KERS Hazardous
Investment Rate of Return	6.25% for CERS Non-Hazardous and Hazardous, and KERS Hazardous 5.25% for KERS Non-Hazardous
Phase-in Provision	Board certified rate is phased into the actuarially determined rate in accordance with HB 362 enacted in 2018 for CERS Non-Hazardous and CERS Hazardous

The retiree mortality is a System-specific mortality table based on mortality experience from 2013-2018, projected with the ultimate rates from MP-2014 mortality improvement scale using a base year of 2019.

Deferred Inflows and Outflows of Resources

The Deferred Inflows and Outflows of Resources, and Pension Expense included in the Schedule of Pension Amounts by Employer include only certain categories of deferred outflows of resources and deferred inflows of resources. These include differences between expected and actual experience, changes of assumptions and differences between projected and actual earnings on plan investments. The Schedule of Pension Amounts by Employer does not include deferred outflows/inflows of resources for changes in the employer's proportionate share of contributions or employer contributions made subsequent to the measurement date. The net pension liability as of June 30, 2022 is based on the June 30, 2021 actuarial valuation rolled forward. Deferred outflows and inflows related to differences between projected and actual earnings on plan investments are amortized over a closed five-year period.

REPORT ON INTERNAL CONTROL OVER FINANCIAL REPORTING AND ON COMPLIANCE AND OTHER MATTERS BASED ON AN AUDIT OF FINANCIAL STATEMENTS PERFORMED IN ACCORDANCE WITH GOVERNMENT AUDITING STANDARDS

To the Members
Kentucky Public Pensions Authority
Frankfort, Kentucky

We have audited, in accordance with auditing standards generally accepted in the United States of America and the standards applicable to financial audits contained in *Government Auditing Standards*, issued by the Comptroller General of the United States, the schedules of employer allocations of the Kentucky Employees Retirement System – Nonhazardous Pension Plan (KERS Nonhazardous), Kentucky Employees Retirement System – Hazardous Pension Plan (KERS Hazardous), County Employees Retirement System – Nonhazardous Pension Plan (CERS Nonhazardous) and County Employees Retirement System – Hazardous Pension Plan (CERS Hazardous) as of and for the fiscal year ended June 30, 2022, and the related notes to the schedules. We have also audited the total for all entities of the columns titled net pension liability, total deferred outflows of resources, total deferred inflows of resources, and total pension expense (specified column totals) included in the accompanying schedules of pension amounts by employer of the KERS Nonhazardous, KERS Hazardous, CERS Nonhazardous, and CERS Hazardous Pension Plans as of and for the fiscal year ended June 30, 2022 and have issued our report thereon dated **March 14, 2023**.

Internal Control over Financial Reporting

In planning and performing our audit of the schedules of employer allocations, we considered Kentucky Public Pension Authority's (KPPA) internal control over financial reporting (internal control) to determine the audit procedures that are appropriate in the circumstances for the purpose of expressing our opinion on the schedules of employer allocations, but not for the purpose of expressing an opinion on the effectiveness of KPPA's internal control. Accordingly, we do not express an opinion on the effectiveness of KPPA's internal control.

A *deficiency in internal control* exists when the design or operation of a control does not allow management or employees, in the normal course of performing their assigned functions, to prevent, or detect and correct, misstatements on a timely basis. A *material weakness* is a deficiency, or a combination of deficiencies, in internal control, such that there is a reasonable possibility that a material misstatement of the entity's financial statements will not be prevented, or detected and corrected, on a timely basis. A *significant deficiency* is a deficiency, or a combination of deficiencies, in internal control that is less severe than a material weakness yet important enough to merit attention by those charged with governance.

Our consideration of internal control was for the limited purpose described in the first paragraph of this section and was not designed to identify all deficiencies in internal control that might be material weaknesses or significant deficiencies. Given these limitations, during our audit we did not identify any deficiencies in internal control over financial reporting that we consider to be material weaknesses. However, material weaknesses may exist that have not been identified.

**Kentucky Public Pensions
Authority Report on Internal
Control (Continued)**

Compliance and Other Matters

As part of obtaining reasonable assurance about whether KPPA' schedules of employer allocations are free from material misstatement, we performed tests of its compliance with certain provisions of laws, regulations, contracts and grant agreements, noncompliance with which could have a direct and material effect on the determination of financial statement amounts. However, providing an opinion on compliance with those provisions was not an objective of our audit, and accordingly, we do not express such an opinion. The results of our tests disclosed no instances of noncompliance or other matters that are required to be reported under *Government Auditing Standards*.

Purpose of this Report

The purpose of this report is solely to describe the scope of our testing of internal control and compliance and the results of that testing, and not to provide an opinion on the effectiveness of the entity's internal control or on compliance. This report is an integral part of an audit performed in accordance with *Government Auditing Standards* in considering the entity's internal control and compliance. Accordingly, this communication is not suitable for any other purpose.

Blue & Co., LLC

Lexington, Kentucky

March 14, 2023

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KPPA
Kentucky Public Pensions Authority

Schedules of Employer Allocations and OPEB
Amounts by Employer

for

KENTUCKY PUBLIC PENSIONS AUTHORITY

For the Fiscal Year Ended June 30, 2022 with
Report of Independent Auditors

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Report of Independent Auditors

To the Members
Kentucky Public Pensions Authority
Frankfort, Kentucky

Opinions

We have audited the accompanying schedules of employer allocations of Kentucky Employees Retirement System – Nonhazardous Other Post Employee Benefit (OPEB) Plan (KERS Nonhazardous), Kentucky Employees Retirement System – Hazardous OPEB Plan (KERS Hazardous), County Employees Retirement System – Nonhazardous OPEB Plan (CERS Nonhazardous) and County Employees Retirement System – Hazardous OPEB Plan (CERS Hazardous) as of and for the fiscal year ended June 30, 2022, and the related notes. We have also audited the total for all entities of the columns titled net OPEB liability, total deferred outflows of resources, total deferred inflows of resources, and total OPEB expense (specified column totals) included in the accompanying schedules of OPEB amounts by employer of the KERS Nonhazardous, KERS Hazardous, CERS Nonhazardous, and CERS Hazardous as of and for the fiscal year ended June 30, 2022, and the related notes.

In our opinion, the schedules referred to above present fairly, in all material respects, the employer allocations and net OPEB liability, total deferred outflows of resources, total deferred inflows of resources, and total OPEB expense for the total of all participating entities for the KERS Nonhazardous, KERS Hazardous, CERS Nonhazardous, and CERS Hazardous Plans as of and for the fiscal year ended June 30, 2022, in accordance with accounting principles generally accepted in the United States of America.

Basis for Opinions

We conducted our audit in accordance with auditing standards generally accepted in the United States of America (GAAS) and *Government Auditing Standards*. Our responsibilities under those standards are further described in the Auditor's Responsibilities for the Audit of the Schedules section of our report. We are required to be independent of Kentucky Public Pensions Authority (KPPA) and to meet our other ethical responsibilities, in accordance with the relevant ethical requirements relating to our audit. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinions.

Responsibilities of Management for the Schedules

Management is responsible for the preparation and fair representation of these schedules in accordance with accounting principles generally accepted in the United States of America; this includes the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of the schedules that are free from material misstatement, whether due to fraud or error.

Auditor's Responsibility for the Audit Schedules

Our objectives are to obtain reasonable assurance about whether the schedule of employer allocations and specified column totals included in the schedule of OPEB amounts by employer are free from material misstatement, whether due to fraud or error, and to issue an auditor's report that includes our opinions. Reasonable assurance is a high level of assurance but is not absolute assurance and therefore is not a guarantee that an audit conducted in accordance with GAAS will always detect a material misstatement when it exists. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control. Misstatements are considered material if there is a substantial likelihood that, individually or in the aggregate, they would influence the judgment made by a reasonable user based on the schedule of employer allocations and specified column totals included in the schedule of OPEB amounts by employer.

**Kentucky Public Pensions Authority
Report of Independent Auditors
(Continued)**

In performing an audit in accordance with GAAS and *Government Auditing Standards*, we:

- Exercise professional judgment and maintain professional skepticism throughout the audit.
- Identify and assess the risks of material misstatement of the schedule of employer allocations and the specified totals included in the schedule of OPEB amounts by employer, whether due to fraud or error, and design and perform audit procedures responsive to those risks. Such procedures include examining, on a test basis, evidence regarding the amounts and disclosures in the schedule of employer allocations and the specified totals included in the schedule of OPEB amounts by employer.
- Obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of KPPA's internal control. Accordingly, no such opinion is expressed.
- Evaluate the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluate the overall presentation of the schedule of employer allocations and the specified totals included in the schedule of OPEB amounts by employer.
- Conclude whether, in our judgment, there are conditions or events, considered in the aggregate, that raise substantial doubt about KPPA's ability to continue as a going concern for a reasonable period of time.

We are required to communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit, significant audit findings, and certain internal control-related matters that we identified during the audit.

Other Matter

We have audited, in accordance with auditing standards generally accepted in the United States of America, the combining financial statements of the KPPA as of and for the fiscal year ended June 30, 2022, and our report thereon, dated December 7, 2022, expressed an unmodified opinion on those combining financial statements.

Other Reporting Required by Government Auditing Standards

In accordance with *Government Auditing Standards*, we have also issued our report dated **March 14, 2023**, on our consideration of the KPPA's internal control over the preparation of these Schedules and on our tests of its compliance with certain provisions of laws, regulations, contracts, and grant agreements and other matters. The purpose of this report is to describe the scope of our testing of internal control over financial reporting and compliance and the result of that testing, and not to provide an opinion of the internal control over financial reporting or on compliance. That report is an integral part of an audit performed in accordance with *Government Auditing Standards* in considering KPPA's internal control over financial reporting and compliance.

Restriction on Use

Our report is intended solely for the information and use of KPPA management, Audit Committee, KERS Nonhazardous, KERS Hazardous, CERS Nonhazardous, and CERS Hazardous OPEB Plans employers and their auditors and is not intended to be and should not be used by anyone other than these specified parties.

Blue & Co., LLC

Lexington, Kentucky
March 14, 2023

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Kentucky Public Pensions Authority
 Schedule A - Schedule of Employer Allocations
 Fiscal Year Ended June 30, 2022

Kentucky Employees Retirement System (Non-Hazardous)

Employers are presented in order by assigned employer reporting code. There are separate schedules for Non-Hazardous and Hazardous and as such reporting employers may appear on multiple schedules

Participating Employer Code	Participating Employer Name	FYE 2022 Salary	Allocation of Amortization Cost Portion of Required Contribution	Allocation of Normal Cost Portion of Required Contribution	2022 Proportionate Share
(1)	(2)	(3)	(4)	(5)	(6)
10005	LEGS GENERAL ASSEMBLY	1,419,304	0.000000%	0.104527%	0.086674%
10010	LEGS LEGISLATIVE RES COMM	20,870,737	1.825050%	1.537066%	1.586254%
SUBTOTAL	LEGISLATIVE BRANCH AGENCIES	22,290,041	1.825050%	1.641593%	1.672928%
7416	KY OFFICE OF BAR ADMISSIO	46,984	0.000000%	0.003460%	0.002869%
7716	MASTER COMMISSIONER BULLITT COUNTY	103,729	0.000000%	0.007639%	0.006334%
7718	MASTER COMM BOONE CO	176,188	0.000000%	0.012976%	0.010760%
7720	MASTER COMM CAMPBELL CO	68,000	0.000000%	0.005008%	0.004153%
7724	MASTER COMM CHRISTIAN CO	39,186	0.000000%	0.002886%	0.002393%
7725	MASTER COMM CLARK CO	21,834	0.000000%	0.001608%	0.001333%
7727	MASTER COMM CLINTON/CUMBE	50,013	0.000000%	0.003683%	0.003054%
7730	MASTER COMM DAVIESS CO	97,743	0.000000%	0.007199%	0.005969%
7734	MASTER COMM FAYETTE CO	188,083	0.000000%	0.013852%	0.011486%
7741	MASTER COMM GRANT CO	64,392	0.000000%	0.004742%	0.003932%
7743	MASTER COMM GRAYSON CO	44,167	0.000000%	0.003253%	0.002697%
7747	MASTER COMM HARDIN CO	162,557	0.000000%	0.011972%	0.009927%
7750	MASTER COMMISSIONER HART COUNTY	39,124	0.000000%	0.002881%	0.002389%
7752	HENRY/ TRIMBLE MASTER COM	48,900	0.000000%	0.003601%	0.002986%
7756	MASTER COMM JEFF CIRCUIT	398,609	0.000000%	0.029356%	0.024342%
7757	MASTER COMMISSIONER OF JESSAMINE COUNTY	38,713	0.000000%	0.002851%	0.002364%
7759	MASTER COMM KENTON CO	181,637	0.000000%	0.013377%	0.011092%
7763	MASTER COMM LAUREL CO	60,500	0.000000%	0.004456%	0.003695%
7773	MASTER COMM MCCracken CO	110,374	0.000000%	0.008129%	0.006741%
7776	MASTER COMM MADISON CO	98,043	0.000000%	0.007221%	0.005988%
7782	MASTER COMM MEADE CO	37,603	0.000000%	0.002769%	0.002296%
7790	MASTER COMM NELSON CO	69,565	0.000000%	0.005123%	0.004248%
7793	MASTER COMM OLDHAM CO	72,244	0.000000%	0.005321%	0.004412%
7794	MASTER COMM OWEN CO	23,795	0.000000%	0.001752%	0.001453%
7798	MASTER COMM PIKE CO	96,736	0.000000%	0.007124%	0.005907%
7805	MASTER COMM SCOTT CO	88,843	0.000000%	0.006543%	0.005425%
7807	MASTER COMM SIMPSON CO	46,518	0.000000%	0.003426%	0.002841%
7814	MASTER COMM WARREN CO	133,651	0.000000%	0.009843%	0.008162%
7820	MASTER COMM BARREN CO	29,910	0.000000%	0.002203%	0.001827%
7821	MASTER COMM MUHLENBERG CO	76,558	0.000000%	0.005638%	0.004675%
20020	JUDL JUDICIAL RET SYSTEM	170,896	0.000000%	0.012586%	0.010436%
20025	JUDL ADM OFF OF THE COURT	59,767,527	2.508010%	4.401697%	4.078255%
SUBTOTAL	JUDICIAL BRANCH AGENCIES	62,652,623	2.508010%	4.614175%	4.254441%
31030	UNIFIED PROSECUTORIAL SYS	51,724,900	3.992135%	3.809382%	3.840596%
31035	DEPT OF AGRICULTURE	9,799,039	0.756291%	0.721669%	0.727582%
31040	ATTORNEY GENERALS OFFICE	8,594,710	0.663341%	0.632974%	0.638161%
31045	AUDITOR OF PUBLIC ACCOUNT	6,777,834	0.523114%	0.499167%	0.503257%

The accompanying notes are an integral part of these schedules.

Kentucky Public Pensions Authority
 Schedule A - Schedule of Employer Allocations
 Fiscal Year Ended June 30, 2022

Kentucky Employees Retirement System (Non-Hazardous)

Employers are presented in order by assigned employer reporting code. There are separate schedules for Non-Hazardous and Hazardous and as such reporting employers may appear on multiple schedules

Participating Employer Code	Participating Employer Name	FYE 2022 Salary	Allocation of Amortization Cost Portion of Required Contribution	Allocation of Normal Cost Portion of Required Contribution	2022 Proportionate Share
(1)	(2)	(3)	(4)	(5)	(6)
31066	REGISTRY OF ELECTION	636,024	0.049088%	0.046841%	0.047225%
31070	GOVERNORS OFFICE	1,609,249	0.124202%	0.118516%	0.119487%
31074	DEPT OF VETERANS AFFAIRS	22,199,703	1.713376%	1.634941%	1.648338%
31076	MILITARY AFFAIRS COMM	64,119	0.004949%	0.004722%	0.004761%
31082	KY INFRASTRUCTURE	703,979	0.054333%	0.051846%	0.052271%
31085	LT GOVERNORS OFFICE	420,234	0.032434%	0.030949%	0.031203%
31094	OFF OF HOMELAND SECURITY	833,601	0.064337%	0.061392%	0.061895%
31095	DEPT MILITARY AFFAIRS	15,907,288	1.227727%	1.171523%	1.181123%
31110	OFF OF SECRETARY TO CABIN	196,007	0.015128%	0.014435%	0.014553%
31112	GOV OFF LOCAL DEVELOPMENT	2,140,628	0.165214%	0.157651%	0.158943%
31120	SECRETARY OF STATE	1,556,325	0.120117%	0.114619%	0.115558%
31125	STATE TREASURERS OFFICE	1,429,785	0.110351%	0.105299%	0.106162%
31136	BOARD OF MEDICAL IMAGING & RADIATION TECHNOLOGY	125,498	0.009686%	0.009243%	0.009319%
31137	KY COMM NETWORK AUTH	815,287	0.062924%	0.060043%	0.060535%
31150	BOARD OF ACCOUNTANCY	198,727	0.015338%	0.014636%	0.014756%
31165	BOARD OF BARBERING	110,737	0.008547%	0.008155%	0.008222%
31180	BOARD OF DENTISTRY	262,481	0.020258%	0.019331%	0.019489%
31185	BOARD OF ELECTIONS	448,919	0.034648%	0.033062%	0.033333%
31190	BRD OF EMBALMERS/FUN DIR	64,359	0.004967%	0.004740%	0.004779%
31200	BOARD OF EXM ARCHITECTS	145,602	0.011238%	0.010723%	0.010811%
31205	KY LANDSCAPE ARCH REG BD	24,876	0.001920%	0.001832%	0.001847%
31215	BD EXAMINERS OF SOCIAL WK	66,015	0.005095%	0.004862%	0.004902%
31225	BD OF HAIRDRESSERS/CSMTG	663,011	0.051171%	0.048829%	0.049229%
31245	BD OF MEDICAL LICENSURE	695,823	0.053704%	0.051245%	0.051665%
31250	BOARD OF NURSING	2,870,705	0.221561%	0.211419%	0.213151%
31260	BOARD OF OPTOMETRIC EXM	80,750	0.006232%	0.005947%	0.005996%
31263	KY RESPIRATORY CARE BD	95,581	0.007377%	0.007039%	0.007097%
31268	PERSONNEL BOARD	336,309	0.025956%	0.024768%	0.024971%
31270	KY BOARD OF PHARMACY	1,061,724	0.081944%	0.078193%	0.078834%
31275	BD OF PHYSICAL THERAPY	156,562	0.012083%	0.011530%	0.011624%
31290	BD OF PROF ENGINEERS & LA	459,894	0.035495%	0.033870%	0.034148%
31345	SCHOOL FAC CONSTR COMM	137,599	0.010620%	0.010134%	0.010217%
31354	EXECUTIVE BRANCH ETH COMM	320,751	0.024756%	0.023622%	0.023816%
31370	COMMISSION ON HUMAN RIGHT	876,866	0.067677%	0.064579%	0.065108%
31415	KY COUNCIL POSTSEC EDUCAT	2,044,582	0.157801%	0.150577%	0.151811%
31765	OFFICE OF STATE BUD DIREC	1,250,366	0.096503%	0.092086%	0.092840%
35605	TRAN OFF OF THE SECRETARY	3,432,035	0.264885%	0.252759%	0.254830%
35607	TRAN OFFICE OF LEGAL SVC	1,906,413	0.147137%	0.140402%	0.141552%
35609	DIVISION OF FACILITY MANA	1,184,920	0.091452%	0.087266%	0.087981%
35615	TRAN DEPT OF AVIATION	1,022,892	0.078947%	0.075333%	0.075950%
35616	TRAN OFFICE OF PERSONNEL	1,386,918	0.107043%	0.102142%	0.102979%
35617	OFFICE OF INFORMAT TECHNO	1,676,938	0.129426%	0.123501%	0.124513%
35618	OFFICE OF AUDITS	2,169,011	0.167405%	0.159741%	0.161050%
35619	DOT PAYROLL DIVISION	691,989	0.053408%	0.050963%	0.051381%
35625	TRAN DEPT OF HIGHWAYS	167,247,631	12.908195%	12.317277%	12.418204%

The accompanying notes are an integral part of these schedules.

Kentucky Public Pensions Authority
 Schedule A - Schedule of Employer Allocations
 Fiscal Year Ended June 30, 2022

Kentucky Employees Retirement System (Non-Hazardous)

Employers are presented in order by assigned employer reporting code. There are separate schedules for Non-Hazardous and Hazardous and as such reporting employers may appear on multiple schedules

Participating Employer Code	Participating Employer Name	FYE 2022 Salary	Allocation of Amortization Cost Portion of Required Contribution	Allocation of Normal Cost Portion of Required Contribution	2022 Proportionate Share
(1)	(2)	(3)	(4)	(5)	(6)
35628	TRAN DEPT OF INTERGOV PRO	692,504	0.053448%	0.051001%	0.051419%
35630	TRAN DEPT OF VEH REGULATE	7,014,071	0.541347%	0.516565%	0.520798%
36635	CAB FOR ECONOMIC DEVELOPMENT	3,878,880	0.299372%	0.285668%	0.288009%
39075	KHEAA DIV OF FINANCIAL AF	551,530	0.042567%	0.040619%	0.040952%
39079	COMMONWEALTH OF TECHNOL	13,383,447	1.032936%	0.985650%	0.993726%
39084	KY RIVER AUTHORITY	375,906	0.029012%	0.027684%	0.027911%
39103	OFFICE OF PVA'S	28,261,817	2.181251%	2.081397%	2.098452%
39130	DEPT OF REVENUE	31,035,892	2.395354%	2.285699%	2.304428%
39750	OFFICE OF SECRETARY	4,792,741	0.369904%	0.352971%	0.355863%
39757	FIN OFFICE OF INSP GENERAL	5,000	0.000386%	0.000368%	0.000371%
39758	OFF OF THE CONTROLLER	3,456,125	0.266744%	0.254533%	0.256619%
39785	DEPT FACILITIES SUPP SVCS	8,984,995	0.693463%	0.661718%	0.667140%
50235	KY STATE FAIR BOARD	7,451,052	0.575073%	0.548747%	0.553243%
50410	COMM KY HERITAGE COUNCIL	755,583	0.058316%	0.055646%	0.056102%
50529	KY ARTS COUNCIL	526,979	0.040672%	0.038810%	0.039128%
50550	KY HISTORICAL SOCIETY	1,486,202	0.114705%	0.109454%	0.110351%
50660	DEPT OF FISH & WILDLIFE	13,854,401	1.069285%	1.020335%	1.028696%
50665	COMM KY HORSE PARK	2,102,268	0.162253%	0.154826%	0.156095%
50670	DEPT OF PARKS	19,646,023	1.516283%	1.446870%	1.458726%
50850	COMM OFFICE OF SECRETARY	1,248,183	0.096335%	0.091925%	0.092678%
50852	KY ARTISANS CTR AT BÉREA	482,451	0.037236%	0.035531%	0.035822%
50860	DEPT OF TOURISM	1,143,170	0.088230%	0.084191%	0.084881%
51340	KY COMM DEAF/HARD OF HEAR	526,743	0.040654%	0.038793%	0.039111%
51407	KY ENVIRONMENTAL EDUC COU	93,670	0.007229%	0.006899%	0.006955%
51530	EDUC OFFICE OF SECRETARY	3,972,625	0.306608%	0.292572%	0.294969%
51531	DEPT WORKFORCE INVESTMENT	7,564,571	0.583835%	0.557108%	0.561673%
51532	KY COMM ON PROPRIETARY ED	105,000	0.008104%	0.007733%	0.007796%
51540	EDUC DEPT OF EDUCATION	12,060,868	0.930859%	0.888246%	0.895524%
51545	KY EDUCATIONAL TV AUTHOR	6,250,672	0.482428%	0.460343%	0.464115%
51555	KY DEPT LIBRARY & ARCHIVE	2,197,759	0.169623%	0.161858%	0.163184%
53721	H&FS OFF OF THE SECRETARY	20,512,749	1.583177%	1.510702%	1.523081%
53723	OFFICE INSPECTOR GENERAL	8,193,950	0.632410%	0.603459%	0.608404%
53725	DEPT OF AGING/INDEP LIVIN	7,349,601	0.567243%	0.541276%	0.545711%
53727	DEPT FOR INCOME SUPPORT	17,329,065	1.337460%	1.276233%	1.286691%
53728	DEPT FOR PUBLIC HEALTH	17,949,781	1.385366%	1.321947%	1.332779%
53729	OFF HUMAN RESOURCE MANAGE	14,734,189	1.137187%	1.085128%	1.094020%
53730	SERVE KY	762,372	0.058840%	0.056146%	0.056606%
53736	H&FS DEPT FOR COMM BASE S	164,179,729	12.671414%	12.091338%	12.190415%
53739	HEALTH DATA AND ANALYTICS	913,978	0.070541%	0.067312%	0.067864%
53746	DEPT FOR MEDICAID SERVICE	6,029,501	0.465358%	0.444054%	0.447693%
53767	OFFICE FOR CHILDREN WITH SPECIAL HEALTH CARE NEEDS	4,878,188	0.376499%	0.359264%	0.362208%
54500	J&PS OFF OF SECRETARY	7,226,935	0.557776%	0.532242%	0.536603%
54515	DEPT OF PUBLIC ADVOCACY	26,036,287	2.009484%	1.917493%	1.933205%
54520	J&PS DEPT OF KY STATE POL	32,819,224	2.532992%	2.417036%	2.436841%
54523	J&PS OF JUVENILE JUSTICE	25,494,991	1.967707%	1.877629%	1.893014%

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Kentucky Public Pensions Authority
 Schedule A - Schedule of Employer Allocations
 Fiscal Year Ended June 30, 2022

Kentucky Employees Retirement System (Non-Hazardous)

Employers are presented in order by assigned employer reporting code. There are separate schedules for Non-Hazardous and Hazardous and as such reporting employers may appear on multiple schedules

Participating Employer Code	Participating Employer Name	FYE 2022 Salary	Allocation of Amortization Cost Portion of Required Contribution	Allocation of Normal Cost Portion of Required Contribution	2022 Proportionate Share
(1)	(2)	(3)	(4)	(5)	(6)
54525	DEPT OF CRIMINAL JUST TRN	7,391,159	0.570451%	0.544336%	0.548796%
54527	J&PS DEPT OF CORRECTIONS	15,618,708	1.205454%	1.150270%	1.159695%
55790	OFFICE OF THE SECRETARY	4,692,759	0.362188%	0.345607%	0.348439%
55793	DEPT PERSONNEL ADMIN	1,860,227	0.143573%	0.137000%	0.138123%
55794	DEPT FOR EMPLOYEE INS	2,370,906	0.182987%	0.174610%	0.176041%
56102	OFFICE OF THE SECRETARY	5,187,734	0.400390%	0.382061%	0.385192%
56106	DEPT OF WRKPLACE STANDARD	4,627,570	0.357156%	0.340806%	0.343599%
56107	DEPT OF WORKERS CLAIMS	5,878,874	0.453732%	0.432961%	0.436509%
56113	KY OSH REVIEW COMMISSION	199,485	0.015396%	0.014691%	0.014811%
56114	WORKERS COMP FUNDING COMM	840,978	0.064907%	0.061935%	0.062443%
56142	OFFICE OF UNEMPLOYMENT INSURANCE	15,706,199	1.212207%	1.156714%	1.166192%
57123	KY PUBLIC SVC COMMISSION	3,759,890	0.290189%	0.276904%	0.279173%
57126	OFFICE OF THE SECRETARY	2,574,202	0.198677%	0.189582%	0.191135%
57128	DEPT FOR NATURAL RESOURCE	21,201,744	1.636353%	1.561444%	1.574238%
57129	DEPT FOR ENVIRONM PROTECT	29,495,974	2.276503%	2.172289%	2.190089%
57139	OFFICE OF ADMINISTRATIVE SERVICES	3,741,692	0.288784%	0.275564%	0.277822%
57140	KY NATURE PRESERVES	929,935	0.071773%	0.068487%	0.069048%
57141	OFFICE OF ENERGY POLICY	370,484	0.028594%	0.027285%	0.027509%
58374	KY HORSE RACING AUTHORITY	2,446,577	0.188827%	0.180183%	0.181659%
58672	OFFICE OF CLAIMS AND APPEALS	411,967	0.031796%	0.030340%	0.030589%
58675	OFFICE OF THE SECRETARY	3,206,227	0.247457%	0.236129%	0.238064%
58676	DEPT OF INSURANCE	3,193,124	0.246446%	0.235164%	0.237091%
58677	OFF OF OCCUP & PROFESSION	1,270,397	0.098049%	0.093561%	0.094328%
58678	KY BOXING & WRESTLING AUT	52,500	0.004052%	0.003866%	0.003898%
58680	DEPT OF ALCOHOL & BEVERA	618,339	0.047723%	0.045539%	0.045912%
58681	DEPT OF CHARITABLE GAMING	1,113,831	0.085966%	0.082030%	0.082702%
58685	DEPT OF FINANCIAL INSTITU	5,320,308	0.410622%	0.391825%	0.395036%
58690	DEPT OF HOUSING & BUILD C	8,736,394	0.674276%	0.643409%	0.648681%
SUBTOTAL	EXECUTIVE BRANCH AGENCIES	1,009,755,047	77.933030%	74.365386%	74.974741%
1430	EASTERN KY UNIV	4,615,608	1.270600%	0.339926%	0.498885%
1433	KET FOUNDATION	1,679,476	0.080090%	0.123688%	0.116241%
1435	CHILD WATCH ADVOCACY CTR	231,172	0.003820%	0.017025%	0.014770%
1436	LOTUS	1,142,920	0.005710%	0.084173%	0.070772%
1437	SANCTUARY INC	625,341	0.013340%	0.046054%	0.040466%
1438	O A S I S	926,642	0.012250%	0.068244%	0.058680%
1439	BARREN RIVER CHILD ADVOCA	506,489	0.002160%	0.037301%	0.031299%
1440	MOREHEAD STATE UNIVERSITY	3,776,279	0.643190%	0.278111%	0.340466%
1445	MURRAY STATE UNIV	6,569,835	0.705340%	0.483848%	0.521679%
1451	SILVERLEALF	337,988	0.010730%	0.024892%	0.022473%
1452	SPRINGHAVEN INC	622,443	0.008120%	0.045841%	0.039398%
1453	SAFE HARBOR	882,111	0.006980%	0.064965%	0.055061%
1454	D.O.V.E.S.	619,814	0.007010%	0.045647%	0.039048%
1456	JUDI'S PLACE FOR KIDS, INC.	348,307	0.004130%	0.025652%	0.021976%

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Kentucky Public Pensions Authority
 Schedule A - Schedule of Employer Allocations
 Fiscal Year Ended June 30, 2022

Kentucky Employees Retirement System (Non-Hazardous)

Employers are presented in order by assigned employer reporting code. There are separate schedules for Non-Hazardous and Hazardous and as such reporting employers may appear on multiple schedules

Participating Employer Code	Participating Employer Name	FYE 2022 Salary	Allocation of Amortization Cost Portion of Required Contribution	Allocation of Normal Cost Portion of Required Contribution	2022 Proportionate Share
(1)	(2)	(3)	(4)	(5)	(6)
1457	KY RIVER CHILD ADVOCACY	164,137	0.001550%	0.012088%	0.010288%
1458	BLUEGRASS RAPE CRISIS CTR	733,102	0.014590%	0.053991%	0.047261%
1459	NURSING HOME OMBUDSMAN	268,683	0.004680%	0.019788%	0.017208%
1465	WESTERN KENTUCKY UNIV	14,020,022	0.961060%	1.032532%	1.020325%
1480	KASAP	661,008	0.005020%	0.048681%	0.041224%
1481	KDVA	1,100,793	0.012920%	0.081070%	0.069430%
1483	PENNYRILE CHILD ADV CTR	200,192	0.002450%	0.014744%	0.012644%
1484	BUFFALO TR CHILD ADV INC	194,775	0.001340%	0.014345%	0.012124%
1485	CUMBERLAND V C A CENTER	248,217	0.004370%	0.018280%	0.015904%
1486	LAKE CUMB CHILD ADV CTR	248,014	0.002900%	0.018266%	0.015641%
1487	B.R.A.S.S.	693,261	0.011330%	0.051057%	0.044272%
1488	WOMEN AWARE	253,463	0.005190%	0.018667%	0.016365%
1489	BETHANY HOUSE ABUSE SHEL	518,097	0.008900%	0.038156%	0.033159%
1490	HOPE HARBOR INC	602,466	0.004380%	0.044370%	0.037540%
1491	CHILD ADV CTR OF GRN RVR	190,049	0.003040%	0.013997%	0.012126%
1492	CSG HEADQUARTERS	3,759,330	0.102460%	0.276863%	0.247075%
1994	KY HIGHER ED STUD LN CORP	10,535,584	0.435330%	0.775914%	0.717742%
3022	LEX FAYETTE CO HLTH DEPT	6,885,842	0.466060%	0.507121%	0.500108%
3023	LAKE CUMBERLAND DISTRICT	5,709,264	0.391340%	0.420470%	0.415495%
3024	WEDCO DIST HEALTH DEPT	2,532,711	0.149760%	0.186526%	0.180246%
3025	NORTHERN KY DIST HLTH DEP	6,740,087	0.288080%	0.496387%	0.460808%
3026	BARREN RVR DIST HLTH DEPT	3,811,324	0.363480%	0.280692%	0.294832%
3027	GREEN RVR DIST HLTH DEPT	6,143,505	0.434500%	0.452450%	0.449384%
3028	LINCOLN TRL DIST HLTH DEP	3,780,802	0.353490%	0.278445%	0.291263%
3029	PURCHASE DIST HLTH DEPT	2,139,655	0.233680%	0.157579%	0.170577%
3030	MERCER CO HEALTH DEPT	498,297	0.047190%	0.036698%	0.038490%
3031	CUMBERLAND VLY DIST HEALT	2,929,696	0.478140%	0.215763%	0.260577%
3033	KY RIVER DIST HEALTH DEPT	3,132,825	0.373270%	0.230723%	0.255070%
3034	BOURBON CO HEALTH CENTER	658,370	0.041330%	0.048487%	0.047265%
3035	CLARK CO HEALTH DEPT	1,234,101	0.087510%	0.090888%	0.090311%
3036	GATEWAY DIST HEALTH DEPT	2,294,959	0.156670%	0.169017%	0.166908%
3037	BOYLE CO HEALTH DEPT	544,173	0.033740%	0.040077%	0.038995%
3038	PIKE CO HEALTH DEPT	1,780,209	0.128550%	0.131107%	0.130670%
3039	FLOYD CO HEALTH CENTER	1,049,756	0.065370%	0.077311%	0.075271%
3040	MARTIN CO HEALTH DEPT	368,847	0.028100%	0.027164%	0.027324%
3042	BUFFALO TRACE HEALTH DEPT	707,194	0.057350%	0.052083%	0.052983%
3044	N CENTRAL DIST HLTH DEPT	1,472,729	0.114620%	0.108462%	0.109514%
3045	PENNYRILE DIST HLTH DEPT	1,542,524	0.083250%	0.113602%	0.108418%
3047	BREATHITT CO HEALTH DEPT	1,256,419	0.096340%	0.092531%	0.093182%
3048	GREENUP CO HLTH DEPT	947,749	0.061180%	0.069799%	0.068327%
3049	WHITLEY CO HEALTH DEPT	1,804,424	0.153570%	0.132890%	0.136422%
3050	LAUREL CO HEALTH DEPT	1,052,774	0.076950%	0.077534%	0.077434%
3051	KNOX CO HEALTH DEPT	1,869,089	0.149260%	0.137653%	0.139635%
3052	MONROE CO HEALTH DEPT	390,090	0.016680%	0.028729%	0.026671%
3053	BULLITT CO HEALTH DEPT	1,289,280	0.073480%	0.094952%	0.091285%

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Kentucky Public Pensions Authority
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Kentucky Employees Retirement System (Non-Hazardous)

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Participating Employer Code	Participating Employer Name	FYE 2022 Salary	Allocation of Amortization Cost Portion of Required Contribution	Allocation of Normal Cost Portion of Required Contribution	2022 Proportionate Share
(1)	(2)	(3)	(4)	(5)	(6)
3054	THREE RIVERS DIST HLTH	1,870,981	0.121470%	0.137792%	0.135004%
3055	ESTILL CO HEALTH DEPT	299,374	0.029660%	0.022048%	0.023348%
3056	OLDHAM CO HEALTH DEPT	1,005,836	0.055710%	0.074077%	0.070940%
3057	LEWIS CO HEALTH DEPT	593,459	0.016270%	0.043706%	0.039020%
3058	FLEMING CO HEALTH DEP	374,065	0.023320%	0.027549%	0.026827%
3059	JESSAMINE CO HEALTH DEPT	1,369,896	0.044700%	0.100889%	0.091292%
3060	POWELL CO HEALTH DEPT	463,869	0.022330%	0.034163%	0.032142%
3061	ANDERSON CO HEALTH DEPT	549,398	0.026980%	0.040461%	0.038158%
3062	MADISON CO HEALTH DEP	2,907,677	0.284160%	0.214142%	0.226101%
3064	JOHNSON CO HEALTH DEPT	1,282,356	0.082310%	0.094442%	0.092370%
3065	MAGOFFIN CO HEALTH DEPT	500,046	0.034380%	0.036827%	0.036409%
3066	ALLEN CO HEALTH DEPT	754,093	0.042050%	0.055537%	0.053233%
3067	FRANKLIN CO HEALTH DEPT	2,364,737	0.118540%	0.174156%	0.164657%
3068	LINCOLN CO HEALTH DEPT	501,521	0.026030%	0.036936%	0.035073%
3069	WOODFORD CO HEALTH DEPT	783,608	0.028990%	0.057710%	0.052805%
3072	MUHLENBERG CO.HEALTH DEPT	874,685	0.041920%	0.064418%	0.060575%
3073	MARSHALL CO HEALTH DEPT	1,064,185	0.081130%	0.078374%	0.078845%
3074	CHRISTIAN CO HEALTH DEPT	1,237,428	0.071020%	0.091133%	0.087698%
3075	HOPKINS CO HEALTH DEPT	1,470,255	0.094700%	0.108280%	0.105961%
3076	TODD CO HEALTH DEPT	915,982	0.024920%	0.067459%	0.060193%
3077	BRACKEN CO HEALTH DEPT	351,886	0.012810%	0.025915%	0.023677%
3078	MONTGOMERY CO HEALTH DEPT	1,398,550	0.056880%	0.102999%	0.095122%
3079	GARRARD COUNTY HEALTH DPT	343,997	0.020870%	0.025334%	0.024572%
3080	BRECKINRIDGE CO HEALTH BD	348,185	0.040950%	0.025643%	0.028257%
3081	ASHLAND BOYD CO HEALTH DP	1,061,477	0.093380%	0.078175%	0.080772%
3082	LAWRENCE CO HEALTH DEPT	652,666	0.020560%	0.048067%	0.043369%
3083	GRAVES CO HEALTH CENTER	1,206,642	0.032480%	0.088866%	0.079235%
3084	CALLOWAY CO HEALTH DEPT	649,871	0.021990%	0.047861%	0.043442%
3085	BELL CO HEALTH DEPT	904,126	0.057050%	0.066586%	0.064957%
3086	GRAYSON COUNTY HEALTH DEPT	482,380	0.024440%	0.035526%	0.033633%
3087	HARLAN CO HEALTH DEPT	664,566	0.038370%	0.048943%	0.047137%
3088	CARTER CO HEALTH DEPT	543,538	0.029530%	0.040030%	0.038237%
3801	KENTUCKY STATE UNIVERSITY	3,668,609	0.235970%	0.270182%	0.264339%
5470	KCTCS	17,764,410	0.830280%	1.308295%	1.226650%
7403	ASST OF COMMONWEALTH ATTY	1,160,664	0.030870%	0.085479%	0.076152%
7408	FRANKLIN CO COUNCIL AGING	270,009	0.011410%	0.019885%	0.018437%
7409	MUN ELEC POW ASSOC OF KY	132,668	0.009280%	0.009771%	0.009687%
7415	HIGHSCHOOL ATHLETIC ASSOC	-	0.007520%	0.000000%	0.001284%
7417	KY ASSOC OF REGIONAL PROG	118,750	0.009660%	0.008746%	0.008902%
8024	SEVEN CO SERVICES INC	-	0.819740%	0.000000%	0.140012%
8201	KY RIVER COMM CARE INC	-	0.141860%	0.000000%	0.024230%
8202	NORTHERN KY REG MHMR BD	154,801	0.304430%	0.011401%	0.061450%
8204	COMMUNICARE INC	5,649,996	0.353870%	0.416105%	0.405475%
8205	ADANTA/BEHAVIORAL HLTH SR	3,580,395	0.473160%	0.263685%	0.299463%
8208	CUMBERLAND RIVER MHMR	9,503,940	0.522270%	0.699936%	0.669591%

The accompanying notes are an integral part of these schedules.

Kentucky Public Pensions Authority
 Schedule A - Schedule of Employer Allocations
 Fiscal Year Ended June 30, 2022

Kentucky Employees Retirement System (Non-Hazardous)

Employers are presented in order by assigned employer reporting code. There are separate schedules for Non-Hazardous and Hazardous and as such reporting employers may appear on multiple schedules

Participating Employer Code	Participating Employer Name	FYE 2022 Salary	Allocation of Amortization Cost Portion of Required Contribution	Allocation of Normal Cost Portion of Required Contribution	2022 Proportionate Share
(1)	(2)	(3)	(4)	(5)	(6)
8209	WESTERN KY REG MHMR ADV	3,014,111	0.188850%	0.221980%	0.216321%
8210	NEW VISTA OF THE BLUEGRASS, INC.	35,008,382	0.976910%	2.578261%	2.304750%
8213	GREEN RVR REG MHMR BD	2,114,316	0.158670%	0.155713%	0.156218%
8216	COMPREHEND INC REG MHMR B	4,200,074	0.154500%	0.309323%	0.282879%
8220	LIFESKILLS INC	13,871,059	0.686860%	1.021561%	0.964394%
8221	MOUNTAIN COMP CARE CENTER	5,184,585	0.243500%	0.381829%	0.358202%
014A	BRECKINRIDGE CO ATTORNEY	66,665	0.005470%	0.004910%	0.005006%
024A	CHRISTIAN COUNTY ATTORNEY	26,015	0.005230%	0.001916%	0.002482%
031A	EDMONSON COUNTY ATTORNEY	57,900	0.002520%	0.004264%	0.003966%
060A	KNOTT COUNTY ATTORNEY	88,587	0.004790%	0.006524%	0.006228%
071A	LOGAN COUNTY ATTORNEY	70,492	0.009470%	0.005192%	0.005923%
086A	MONROE CO ATTORNEY	-	0.003280%	0.000000%	0.000560%
116A	WAYNE COUNTY ATTORNEY	-	0.003550%	0.000000%	0.000606%
W002	ALLEN COUNTY ATTORNEY	105,460	0.008820%	0.007767%	0.007947%
W003	ANDERSON COUNTY ATTORNEY	-	0.010480%	0.000000%	0.001790%
W005	BARREN COUNTY ATTORNEY	159,108	0.015280%	0.011718%	0.012326%
W006	BATH COUNTY ATTORNEY	-	0.000010%	0.000000%	0.000002%
W007	BELL COUNTY ATTORNEY	169,709	0.010270%	0.012499%	0.012118%
W008	BOONE COUNTY ATTORNEY	680,574	0.027070%	0.050122%	0.046185%
W011	BOYLE COUNTY ATTORNEY	17,179	0.000830%	0.001265%	0.001191%
W015	BULLITT COUNTY ATTORNEY	196,513	0.003740%	0.014473%	0.012640%
W018	CALLOWAY COUNTY ATTORNEY	-	0.000290%	0.000000%	0.000050%
W021	CARROLL COUNTY ATTORNEY	81,086	0.004640%	0.005972%	0.005744%
W022	CHILD SUPPORT ENFORCEMENT	77,770	0.001360%	0.005728%	0.004982%
W023	CASEY COUNTY ATTORNEY	62,543	0.005040%	0.004606%	0.004680%
W025	CLARK COUNTY ATTORNEY	184,234	0.007030%	0.013568%	0.012451%
W028	CRITTENDEN CO ATTORNEY	62,974	0.001940%	0.004638%	0.004177%
W030	DAVISS COUNTY ATTORNEY	44,999	0.008390%	0.003314%	0.004181%
W036	FLOYD COUNTY ATTORNEY	157,630	0.005960%	0.011609%	0.010644%
W037	FRANKLIN COUNTY ATTORNEY	240,680	0.025700%	0.017725%	0.019087%
W040	GARRARD COUNTY ATTORNEY	73,768	0.005260%	0.005433%	0.005403%
W041	GRANT COUNTY CHILD SUPPOR	40,004	0.001930%	0.002946%	0.002772%
W042	GRAVES COUNTY ATTORNEY	166,764	0.017400%	0.012282%	0.013156%
W046	HANCOCK COUNTY ATTORNEY	25,066	0.002050%	0.001846%	0.001881%
W049	HARRISON COUNTY ATTORNEY	65,435	0.000610%	0.004819%	0.004100%
W053	HICKMAN COUNTY ATTORNEY	54,413	0.005470%	0.004007%	0.004257%
W054	HOPKINS COUNTY ATTORNEY	364,760	0.009310%	0.026863%	0.023865%
W055	JACKSON COUNTY ATTORNEY	4,198	0.003720%	0.000309%	0.000892%
W056	JEFFERSON CO ATTORNEY	138,355	0.090800%	0.010189%	0.023957%
W058	JOHNSON COUNTY ATTORNEY	-	0.001230%	0.000000%	0.000210%
W061	KNOX COUNTY ATTORNEY	-	0.000030%	0.000000%	0.000005%
W062	LARUE COUNTY ATTORNEY	86,462	0.005540%	0.006368%	0.006227%
W063	LAUREL COUNTY ATTORNEY	25,400	0.001880%	0.001871%	0.001873%
W065	LEE COUNTY ATTORNEY	45,806	0.004720%	0.003373%	0.003603%
W073	MCCRACKEN COUNTY ATTORNEY	48,933	0.005810%	0.003604%	0.003981%

The accompanying notes are an integral part of these schedules.

Kentucky Public Pensions Authority
 Schedule A - Schedule of Employer Allocations
 Fiscal Year Ended June 30, 2022

Kentucky Employees Retirement System (Non-Hazardous)

Employers are presented in order by assigned employer reporting code. There are separate schedules for Non-Hazardous and Hazardous and as such reporting employers may appear on multiple schedules

Participating Employer Code	Participating Employer Name	FYE 2022 Salary	Allocation of Amortization Cost Portion of Required Contribution	Allocation of Normal Cost Portion of Required Contribution	2022 Proportionate Share
(1)	(2)	(3)	(4)	(5)	(6)
W074	MCCREARY COUNTY ATTORNEY	112,409	0.010210%	0.008279%	0.008609%
W076	MADISON COUNTY ATTORNEY	443,225	0.034400%	0.032642%	0.032942%
W077	MAGOFFIN CO ATTORNEY	78,313	0.001040%	0.005768%	0.004960%
W082	MEADE COUNTY ATTORNEY	91,238	0.007900%	0.006719%	0.006921%
W083	MENIFEE COUNTY ATTORNEY	19,800	0.003020%	0.001458%	0.001725%
W084	MERCER COUNTY ATTORNEY	40,953	0.002700%	0.003016%	0.002962%
W087	MONTGOMERY CO ATTORNEY	96,403	0.008960%	0.007100%	0.007418%
W088	MORGAN COUNTY ATTORNEY	101,464	0.009650%	0.007473%	0.007845%
W092	OHIO COUNTY ATTORNEY	12,734	0.000000%	0.000938%	0.000778%
W093	OLDHAM COUNTY ATTORNEY	247,446	0.008990%	0.018224%	0.016647%
W094	OWEN COUNTY ATTORNEY	51,568	0.002610%	0.003798%	0.003595%
W096	PENDLETON COUNTY ATTORNEY	-	0.000830%	0.000000%	0.000142%
W099	POWELL COUNTY ATTORNEY	-	0.000140%	0.000000%	0.000024%
W100	PULASKI COUNTY ATTORNEY	210,188	0.008520%	0.015480%	0.014291%
W102	ROCKCASTLE CO ATTORNEY	108,415	0.004120%	0.007984%	0.007324%
W103	ROWAN COUNTY ATTORNEY	62,868	0.004360%	0.004630%	0.004584%
W106	SHELBY COUNTY ATTORNEY	66,230	0.002130%	0.004878%	0.004409%
W107	SIMPSON COUNTY ATTORNEY	23,762	0.002770%	0.001750%	0.001924%
W108	SPENCER COUNTY ATTORNEY	52,745	0.006380%	0.003885%	0.004311%
W111	TRIGG COUNTY ATTORNEY	72,884	0.004960%	0.005368%	0.005298%
W112	TRIMBLE COUNTY ATTORNEY	52,576	0.003990%	0.003872%	0.003892%
W113	UNION COUNTY ATTORNEY	101,004	0.001560%	0.007439%	0.006435%
W117	WEBSTER COUNTY ATTORNEY	72,056	0.007510%	0.005307%	0.005683%
W118	WHITLEY COUNTY ATTORNEY	156,859	0.010710%	0.011552%	0.011408%
X034	FAYETTE CO ATTORNEY OFF	58,274	0.016670%	0.004292%	0.006406%
X059	KENTON COUNTY ATTORNEY	78,244	0.005430%	0.005762%	0.005705%
SUBTOTAL ALL OTHER AGENCIES		263,131,562	17.733910%	19.378846%	19.097890%
TOTAL		1,357,829,273	100.000000%	100.000000%	100.000000%

Column 4 - For employers within the Executive Branch, who are treated as one employer for the purposes of allocating the amortization cost under current statutes, the amortization cost has been allocated by actual salary for fiscal year ending June 30, 2022, within the Executive Branch. For example, for agency 31030, $3.992135\% = 51,724,900 / 1,009,755,047 \times 77.933030\%$.

Column 5 - Normal cost portion of the required contribution allocated based on actual payroll for fiscal year ending 2022 for the entire plan. For example, for agency 31030, $3.809382\% = 51,724,900 / 1,357,829,273$

Column 6 - The final proportionate share calculation, which represents an employer's share of the long-term contribution effort, assumes the amortization cost is approximately 17% of the aggregate required contribution for the plan.

Column 6 = $17.08\% \times \text{Column 4} + 82.92\% \times \text{Column 5}$

KPPA Board Meeting - Joint Audit Committee Report and Recommendations

Kentucky Public Pensions Authority Schedule B - Schedule of OPEB Amounts by Employer Fiscal Year Ended June 30, 2022

Kentucky Employees Retirement System (Non-Hazardous)

Employers are presented in order by assigned employer reporting code. There are separate schedules for Non-Hazardous and Hazardous and as such reporting employers may appear on multiple schedules.

Participating Employer Code	Participating Employer Name	Net OPEB Liability as of June 30, 2022										Outstanding Balance of Deferred Outflows of Resources										Recognition of Existing Deferred Outflows (Inflows) of Resources for														
		Discount Rate					Health Care					Proportion & Difference					Liability					Change					Total									
		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)			
7256	MASTER COMM HOPKINS CO	58,472	644,845	440,765	443,713	641,300	30,426	(88,453)	(88,453)	(128,503)	10,740	13,130	20,897	40,455	4,498	4,498	43,120	35,724	28,466	67,821	67,821	298,813	313,153	19,340	19,340	26,664	26,664	39,623	39,623	8,700	8,700	8,700	8,700			
7753	MASTER COMMISSIONER OF LESAMINE COUNTY	52,294	62,005	42,805	42,995	62,281	2,955	(24,456)	(23,501)	(128,503)	10,740	1,274	20,897	3,029	21,797	11,933	4,819	4,819	3,438	48,292	56,812	16,519	16,519	22,750	22,750	13,438	13,438	13,438	13,438	13,438	13,438	13,438	13,438			
7754	MASTER COMM BOWLING GREEN	245,267	293,787	202,865	202,738	293,888	8,868	(1,679)	(1,679)	(128,503)	10,740	8,868	8,868	8,868	8,868	8,868	8,868	8,868	8,868	8,868	8,868	8,868	8,868	8,868	8,868	8,868	8,868	8,868	8,868	8,868	8,868	8,868	8,868	8,868	8,868	
7755	MASTER COMM LAUREL CO	81,737	97,574	66,506	67,202	97,348	4,618	(1,559)	(1,341)	(1,341)	1,634	1,922	4,594	6,141	39,554	52,681	6,647	5,433	4,474	32,794	44,223	16,804	16,804	22,750	22,750	13,438	13,438	13,438	13,438	13,438	13,438	13,438	13,438			
7756	MASTER COMM MADISON CO	143,448	178,521	126,426	126,426	178,521	8,496	(1,679)	(1,679)	(128,503)	10,740	8,496	8,496	8,496	8,496	8,496	8,496	8,496	8,496	8,496	8,496	8,496	8,496	8,496	8,496	8,496	8,496	8,496	8,496	8,496	8,496	8,496	8,496	8,496	8,496	
776	MASTER COMM MADISON CO	132,461	158,579	108,426	108,426	158,579	7,485	(1,533)	(1,132)	(1,132)	1,634	1,922	4,594	6,141	39,554	52,681	6,647	5,433	4,474	32,794	44,223	16,804	16,804	22,750	22,750	13,438	13,438	13,438	13,438	13,438	13,438	13,438	13,438			
7781	MASTER COMM MADISON CO	50,790	60,805	41,574	41,758	60,490	4,870	(2,043)	(1,969)	(1,969)	1,014	1,237	2,855	3,816	26,487	34,999	4,688	3,370	2,780	42,703	52,902	17,370	17,370	23,124	23,124	13,438	13,438	13,438	13,438	13,438	13,438	13,438	13,438			
7792	MASTER COMM NELSON CO	93,970	112,499	76,919	77,259	111,957	5,310	(13,153)	(8,843)	(8,843)	1,876	1,236	2,855	3,816	26,487	34,999	4,688	3,370	2,780	42,703	52,902	17,370	17,370	23,124	23,124	13,438	13,438	13,438	13,438	13,438	13,438	13,438	13,438	13,438		
7793	MASTER COMM OGDEN CO	17,588	116,842	79,889	80,242	116,237	5,515	(8,458)	(2,943)	(2,943)	2,468	2,178	5,486	7,381	55,889	74,188	7,817	8,475	5,344	39,027	58,066	18,650	18,650	24,486	24,486	13,438	13,438	13,438	13,438	13,438	13,438	13,438	13,438			
7794	MASTER COMM OWEN CO	12,142	18,460	16,210	16,420	18,366	1,516	(3,283)	(3,283)	(128,503)	10,740	1,516	1,516	1,516	1,516	1,516	1,516	1,516	1,516	1,516	1,516	1,516	1,516	1,516	1,516	1,516	1,516	1,516	1,516	1,516	1,516	1,516	1,516	1,516		
7798	MASTER COMM PINE CO	130,669	156,484	106,599	107,432	155,629	7,383	2,706	10,889	10,889	2,608	2,374	5,486	7,381	55,889	74,188	7,817	8,475	5,344	39,027	58,066	18,650	18,650	24,486	24,486	13,438	13,438	13,438	13,438	13,438	13,438	13,438	13,438	13,438		
7807	MASTER COMM SCOTT CO	120,007	143,680	98,231	98,666	142,900	6,781	(12,148)	(5,367)	(5,367)	2,355	2,924	6,141	8,059	64,041	82,279	9,814	7,942	6,568	54,664	68,240	12,444	12,444	16,804	16,804	13,438	13,438	13,438	13,438	13,438	13,438	13,438	13,438	13,438		
7808	MASTER COMM SPANCO CO	62,844	75,218	51,442	51,670	74,844	3,511	(13,737)	(13,737)	(128,503)	10,740	3,511	3,511	3,511	3,511	3,511	3,511	3,511	3,511	3,511	3,511	3,511	3,511	3,511	3,511	3,511	3,511	3,511	3,511	3,511	3,511	3,511	3,511	3,511	3,511	
7814	MASTER COMM WARREN CO	180,558	216,391	146,441	146,441	216,391	10,906	(17,008)	(17,008)	(128,503)	10,740	10,906	10,906	10,906	10,906	10,906	10,906	10,906	10,906	10,906	10,906	10,906	10,906	10,906	10,906	10,906	10,906	10,906	10,906	10,906	10,906	10,906	10,906	10,906	10,906	10,906
7817	LOGAN CO MASTIFF COMM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
7820	MASTER COMM WARREN CO	40,415	48,384	33,002	33,328	48,114	2,284	(19,882)	(17,598)	(17,598)	1,076	807	2,272	3,036	20,437	26,738	3,237	2,461	2,212	29,260	37,117	7,857	7,857	10,420	10,420	6,568	6,568	8,000	8,000	8,000	8,000	8,000	8,000	8,000		
8004	SEVEN IN KEY EMBR BR	1,097,220	3,707,913	2,135,221	2,146,430	3,688,722	175,005	463,182	618,847	618,847	61,824	75,403	174,094	232,693	1,824,572	2,336,822	248,075	208,841	169,502	1,517,720	1,930,734	413,014	413,014	542,524	542,524	334,438	334,438	334,438	334,438	334,438	334,438	334,438	334,438	334,438		
8024	NORTHWEST IN KEY EMBR BR	1,359,342	4,237,000	2,542,112	2,542,112	4,237,000	206,816	(899,157)	(822,349)	(822,349)	116,740	141,407	320,698	423,298	3,452,808	4,506,206	488,398	408,814	320,698	2,854,110	3,633,308	779,198	779,198	1,011,810	1,011,810	658,388	658,388	658,388	658,388	658,388	658,388	658,388	658,388	658,388		
8208	COMMUNICARE INC	8,896,504	10,738,123	7,342,006	7,374,466	10,738,123	506,815	(666,639)	(666,639)	(188,304)	216,547	216,547	216,547	216,547	8,922,231	10,222,231	1,310,000	1,111,111	888,889	7,111,111	8,222,222	1,911,111	1,911,111	2,444,444	2,444,444	1,555,556	1,555,556	1,555,556	1,555,556	1,555,556	1,555,556	1,555,556	1,555,556	1,555,556		
8209	ASANTO REHABILITATION HEALTH	6,624,452	8,142,259	5,422,428	5,445,402	8,142,259	374,508	(1,258,413)	(1,258,413)	(1,258,413)	112,276	150,844	342,464	453,298	6,966,667	8,142,259	1,175,592	988,889	788,889	5,977,778	7,111,111	1,133,333	1,133,333	1,444,444	1,444,444	944,444	944,444	944,444	944,444	944,444	944,444	944,444	944,444	944,444		
8208	CUMBERLAND BIRN BEHMR	14,812,299	17,732,861	12,124,400	12,124,400	17,732,861	838,942	(12,424,607)	(897,665)	(897,665)	299,678	390,789	892,588	1,113,820	14,999,075	17,732,861	2,733,786	2,222,222	1,777,778	14,222,222	17,000,000	2,777,778	2,777,778	3,555,556	3,555,556	2,222,222	2,222,222	2,222,222	2,222,222	2,222,222	2,222,222	2,222,222	2,222,222	2,222,222		
8209	VETERANS KEY EMBR BR	4,782,259	5,728,721	3,516,962	3,516,962	5,728,721	252,222	(454,652)	(454,652)	(128,503)	95,522	116,520	268,778	359,258	4,511,111	5,258,721	747,610	611,111	492,222	3,922,222	4,777,778	855,556	855,556	1,111,111	1,111,111	722,222	722,222	722,222	722,222	722,222	722,222	722,222	722,222	722,222		
8210	NEW VETERAN THE BLUEGRASS INC	3,845,733	6,036,290	4,173,255	4,173,255	6,036,290	2,880,777	(2,880,777)	(2,880,777)	(2,880,777)	1,017,734	1,242,206	2,880,777	3,835,887	15,539,344	24,477,734	4,083,385	3,384,443	2,796,180	12,429,248	15,225,487	2,796,239	2,796,239	3,611,111	3,611,111	2,444,444	2,444,444	2,444,444	2,444,444	2,444,444	2,444,444	2,444,444	2,444,444	2,444,444		
8411	PENNSYLVANIA KEY EMBR BR	1,955,735	4,137,094	2,828,666	2,843,172	4,137,094	185,262	(858,889)	(663,627)	(663,627)	107,738	84,198	194,245	259,627	3,880,079	4,537,094	657,015	538,889	429,222	3,041,111	3,680,000	638,889	638,889	822,222	822,222	533,333	533,333	533,333	533,333	533,333	533,333	533,333	533,333	533,333		
8213	GREEN VETERAN BEHMR BR	3,845,733	4,137,094	2,828,666	2,843,172	4,137,094	185,262	(858,889)	(663,627)	(663,627)	107,738	84,198	194,245	259,627	3,880,079	4,537,094	657,015	538,889	429,222	3,041,111	3,680,000	638,889	638,889	822,222	822,222	533,333	533,333	533,333	533,333	533,333	533,333	533,333	533,333	533,333	533,333	
8214	WEST VIRGINIA KEY EMBR BR	1,955,735	4,137,094	2,828,666	2,843,172	4,137,094	185,262	(858,889)	(663,627)	(663,627)	107,738	84,198	194,245	259,627	3,880,079	4,537,094	657,015	538,889	429,222	3,041,111	3,680,000	638,889	638,889	822,222	822,222	533,333	533,333	533,333	533,333	533,333	533,333	533,333	533,333	533,333		
8240	LIFEPLAN INC	23,145,449	25,539,827	17,462,448	17,539,663	25,539,827	1,305,435	(1,145,494)	(2,509,419)	(2,509,419)	429,854	519,766	1,199,156	1,609,778	3,797,977	5,079,661	1,281,685	1,145,341	1,147,550	4,665,997																

KPPA Board Meeting - Joint Audit Committee Report and Recommendations

Kentucky Public Pensions Authority
 Schedule B - Schedule of OPEB Amounts by Employer
 Fiscal Year Ended June 30, 2022

Kentucky Employees Retirement System (Non-Hazardous)

Employers are presented in order by assigned employer reporting code. There are separate schedules for Non-Hazardous and Hazardous and as such reporting employers may appear on multiple schedules.

Participating Employer Code	Participating Employer Name	Net OPEB Liability as of June 30, 2022					OPEB Expense				Outstanding Balance of Deferred Outflows of Resources					Outstanding Balance of Deferred Inflows of Resources					Recognition of Existing Deferred Outflows (Inflows) of Resources for Future Measurement Period Ending June 30				
		Discount Rate 5.75%	Discount Rate Less 1.00% 4.75%	Discount Rate Plus 1.00% 6.75%	Health Care Trend Rate 1% Decrease	Health Care Trend Rate 1% Increase	Proportionate Share of Aggregate Plan OPEB Expense	Proportion & Differences Between Employer Controls & Proportionate Share of Plan Contributions	Gross Employer OPEB Expense	Net Employer OPEB Expense	Implicit Subsidy Year Ending 6/30/2022	Liability Experience	Assumption Changes	Investment Experience	Change in Proportion & Differences Between Employer Controls & Proportionate Share of Plan Contributions	Total Deferred Outflow of Resources	Liability Experience	Assumption Changes	Investment Experience	Change in Proportion & Differences Between Employer Controls & Proportionate Share of Plan Contributions	Total Deferred Inflow of Resources	2023	2024	2025	2026
																						(1)	(2)	(3)	(4)
W118	WHITLEY COUNTY ATTORNEY	252,358	302,116	206,567	207,480	300,552	14,259	(8,379)	4,880	4,880	5,038	6,149	14,185	18,960	2,358	41,667	20,213	16,742	13,811	13,385	64,115	(12,432)	(10,484)	(3,662)	4,079
X048	FARRETT CO ATTORNEY OFF	145,708	169,689	115,890	116,509	168,371	8,907	(8,041)	(20,098)	(20,098)	2,826	3,482	7,882	20,648	86,318	308,461	11,930	9,481	7,705	133,309	138,816	(8,848)	(12,242)	(13,186)	2,281
X059	KENTON COUNTY ATTORNEY	126,201	151,085	103,301	103,758	150,303	7,131	4,752	11,883	11,883	2,519	3,075	7,084	9,481	6,875	26,513	10,108	8,373	6,907	-	25,388	2,157	(1,697)	(1,363)	2,040
TOTAL		2,212,110,931	2,648,282,465	1,810,717,227	1,818,722,734	2,634,976,663	124,993,021	(20,567,752)	104,425,269	104,425,269	44,557,681	33,897,655	124,942,285	166,195,354	190,848,916	534,584,210	177,181,350	146,759,659	121,062,152	217,565,892	682,568,958	(51,278,951)	(75,458,719)	(37,602,307)	35,755,151



Kentucky Public Pensions Authority
Schedule A - Schedule of Employer Allocations
Fiscal Year Ended June 30, 2022

Kentucky Employees Retirement System (Hazardous)

Employers are presented in order by assigned employer reporting code. There are separate schedules for Non-Hazardous and Hazardous and as such reporting employers may appear on multiple schedules.

Participating Employer Code	Participating Employer Name	Payroll Fiscal Year Ending 6/30/2022	2022 Proportionate Share
(1)	(2)	(3)	(4)
1430	EASTERN KY UNIV	1,295,116	0.716181%
1440	MOREHEAD STATE UNIVERSITY	298,979	0.165331%
1445	MURRAY STATE UNIV	597,660	0.330497%
1450	NORTHERN KY UNIVERSITY	717,169	0.396584%
1465	WESTERN KENTUCKY UNIV	1,031,211	0.570245%
3801	KENTUCKY STATE UNIVERSITY	204,671	0.113180%
31040	ATTORNEY GENERALS OFFICE	1,046,439	0.578666%
31095	DEPT MILITARY AFFAIRS	1,905,090	1.053487%
35615	TRAN DEPT OF AVIATION	131,338	0.072628%
39079	COMMONWEALTH OF TECHNOL	249,403	0.137916%
50660	DEPT OF FISH & WILDLIFE	5,739,433	3.173824%
50665	COMM KY HORSE PARK	303,196	0.167663%
50670	DEPT OF PARKS	1,136,002	0.628192%
53729	OFF HUMAN RESOURCE MANAGE	2,516,194	1.391419%
54520	J&PS DEPT OF KY STATE POL	5,494,280	3.038258%
54523	J&PS OF JUVENILE JUSTICE	14,902,291	8.240752%
54527	J&PS DEPT OF CORRECTIONS	141,388,058	78.185564%
58676	DEPT OF INSURANCE	277,501	0.153454%
58680	DEPT OF ALCOHOL & BEVERA	1,602,500	0.886159%
TOTAL		180,836,531	100.000000%

The accompanying notes are an integral part of these schedules.

KPPA Board Meeting - Joint Audit Committee Report and Recommendations

Kentucky Public Pensions Authority
 Schedule B - Schedule of OPEB Amounts by Employer
 Fiscal Year Ended June 30, 2022

Kentucky Employees Retirement System (Hazardous)

Employers are presented in order by assigned employer reporting code. There are separate schedules for Non-Hazardous and Hazardous and as such reporting employers may appear on multiple schedules.

Participating Employer Code	Participating Employer Name	Net OPEB Liability as of June 30, 2022										OPEB Expense				Outstanding Balance of Deferred Outflows of Resources				Outstanding Balance of Deferred Inflows of Resources				Recognition of Existing Deferred Outflows (Inflows) of Resources for Future Measurement Period Ending June 30,				
		Discount Rate 5.50%		Discount Rate Less 1.00% 4.50%		Discount Rate Plus 1.00% 6.50%		Health Care Trend Rate 1% Decrease	Health Care Trend Rate 1% Increase	Proportionate Share of Aggregate Plan OPEB Expense	Proportionate Share of Changes in Proportion & Differences Between Employer Contrib. & Proportionate Share of Plan Contributions	Gross Employer OPEB Expense	Net Employer OPEB Expense	Implicit Subsidy Year Ending 6/30/2022	Liability Experience	Assumption Change	Investment Experience	Change in Proportion & Differences Between Employer Contrib. & Proportionate Share of Plan Contributions	Total Deferred Outflow of Resources	Liability Experience	Assumption Change	Investment Experience	Change in Proportion & Differences Between Employer Contrib. & Proportionate Share of Plan Contributions	Total Deferred Inflow of Resources	2022	2023	2024	2025
		(1)	(2)	(3)	(4)	(5)	(6)																					
1430	EASTERN KY UNIV	54,626	654,880	(432,727)	(386,299)	590,009		189,854	(13,808)	176,046	25,133		88,070	314,849	481,454		864,353	224,939	261,930	413,137	32,583	332,533	14,807	(21,383)	(16,430)	34,788		
1440	MOREHEAD STATE UNIVERSITY	12,610	15,203	(9,885)	(89,177)	136,224		43,829	5,241	49,069	49,069	5,802		15,714	72,679	111,144	11,692	211,229	51,925	60,482	85,373	1,623	209,383	12,044	1,681	(20,510)	8,632	
1445	MURKIN STATE UNIV	25,208	382,264	(198,993)	(178,368)	273,328		87,623	(6,008)	81,615	82,008	13,098		33,442	149,285	223,277	3,466	432,865	102,798	130,861	246,621	7,864	432,265	30,332	(6,937)	(42,610)	36,694	
1450	NORTHERN KY UNIVERSITY	30,249	362,694	(239,622)	(213,912)	326,768		105,131	(6,374)	98,757	98,757	13,913		37,694	174,336	266,604	968	479,802	124,554	145,032	228,774	13,259	511,613	9,482	(8,517)	(51,788)	18,707	
1460	WESTERN MICHIGAN UNIV	48,495	523,553	(344,509)	(307,588)	469,858		152,087	(8,968)	143,119	148,108	20,021		58,900	293,677	38,948	2,988	695,374	320,095	208,641	328,926	2,838	646,484	25,927	(12,096)	(16,530)	26,607	
1501	KENTUCKY STATE UNIVERSITY	4,633	103,508	(68,385)	(65,046)	93,324		30,003	(5,473)	24,530	24,530	3,973		10,757	49,753	76,085	17,427	154,022	35,446	41,390	65,389	2,131	164,356	11,050	(1,029)	(14,548)	5,317	
3100	ATTORNEY GENERALS OFFICE	46,337	529,236	(348,638)	(332,125)	476,799		155,490	(6,331)	149,159	149,089	20,306		16,000	264,378	38,000	3,266	730,873	382,760	215,820	333,826	20,061	742,251	37,831	(22,848)	(77,465)	27,081	
3105	DEPT MILITARY AFFAIRS	80,353	963,482	(636,332)	(566,738)	868,028		273,271	(19,758)	253,512	253,512	36,963		100,130	483,307	708,200	-	1,274,444	330,866	382,244	607,716	42,604	1,366,652	22,397	(28,500)	(141,611)	51,008	
35015	TRAN DEPT OF AVIATION	1,540	66,422	(43,881)	(39,375)	59,844		19,253	2,474	21,727	21,727	2,549		6,003	31,927	48,824	8,422	94,078	22,810	26,560	42,896	2,026	91,202	5,448	1,036	(8,250)	3,568	
39079	COMMONWEALTH OF TECHNOLOGY	10,519	124,130	(81,331)	(74,903)	111,838		36,560	(4,173)	32,387	32,713	4,841		13,008	60,627	87,714	25,706	162,163	42,835	50,456	79,558	1,506	174,956	19,992	7,155	(16,477)	6,194	
50660	DEPT OF FISH & WILDLIFE	242,079	2,862,606	(1,817,669)	(1,731,931)	2,631,006		841,355	(19,972)	821,383	821,383	111,373		391,660	1,395,196	2,113,652	16,518	3,866,548	995,934	1,169,878	1,830,857	69,501	4,057,830	107,605	(64,750)	(437,500)	133,409	
50665	CORN KY HORSE PARK	11,788	151,335	(101,304)	(90,415)	131,144		44,446	313	44,759	44,759	5,804		15,936	73,704	112,711	4,751	207,253	52,677	61,315	86,718	6,571	217,263	7,280	(1,042)	(12,479)	8,334	
50670	DEPT OF PARKS	47,915	574,932	(379,562)	(338,499)	517,598		166,929	(16,495)	150,434	150,434	22,044		59,707	276,150	427,303	18,885	772,040	197,284	229,232	362,380	14,244	806,800	27,096	(6,546)	(79,566)	31,000	
51729	OFF HUMAN RESOURCES MANAGE	106,129	1,272,514	(842,710)	(792,314)	1,144,415		368,804	(21,586)	347,218	347,218	46,827		112,249	611,660	814,588	55,837	1,731,118	436,909	508,882	802,036	8,452	1,751,394	80,480	2,022	(170,443)	71,948	
54020	JRPS DEPT OF KY STATE POL	241,770	2,778,824	(1,835,766)	(1,638,786)	2,500,360		805,417	(33,800)	771,617	771,617	106,618		288,705	1,306,602	2,052,478	100,814	3,796,168	864,417	1,111,041	1,792,654	61,849	3,878,513	166,486	(16,497)	(193,645)	142,781	
54213	JRPS DEPT OF JUSTICE	623,553	7,530,540	(4,979,170)	(4,444,959)	6,789,395		2,184,556	(78,450)	2,106,106	2,106,106	389,182		793,252	3,622,590	5,539,883	-	9,946,705	2,588,149	3,033,671	4,703,772	1,264,412	11,202,004	(148,053)	(563,055)	(1,107,651)	414,405	
54232	JRPS DEPT OF CORRECTIONS	5,963,901	75,366,236	(49,240,812)	(46,217,316)	64,426,868		20,929,363	(792,843)	20,136,520	20,136,520	2,743,668		7,433,338	38,369,965	57,806,491	417,510	94,793,168	24,555,518	28,992,211	45,302,240	2,111,282	100,361,761	2,486,667	(1,529,931)	(56,292,438)	3,097,001	
58076	DEPT OF INSURANCE	11,705	140,341	(92,719)	(82,771)	126,438		40,679	1,624	42,303	42,303	5,387		14,585	67,454	103,150	15,675	200,878	48,135	56,159	88,522	13,250	206,089	9,320	(1,088)	(20,114)	8,375	
58080	DEPT OF ALCOHOLS & BEVERA	67,951	816,433	(535,630)	(477,983)	739,144		243,613	(19,888)	223,725	223,725	31,020		86,236	399,353	575,728	8,303	1,077,861	278,318	342,071	511,191	33,368	1,492,848	22,440	(16,300)	(114,633)	42,371	
TOTAL		7,627,372	91,454,523	(60,421,401)	(53,938,752)	82,394,824		26,509,181	(1,450,388)	25,058,793	25,058,793	3,509,178		9,504,616	43,109,454	67,225,211	711,129	121,400,412	31,406,714	36,570,834	57,686,146	3,738,510	129,401,704	2,557,955	(2,165,518)	(13,164,292)	4,870,629	

The accompanying notes are an integral part of these schedules.

Kentucky Public Pensions Authority
Schedule A - Schedule of Employer Allocations
Fiscal Year Ended June 30, 2022

County Employees Retirement System (Non-Hazardous)

Employers are presented in order by assigned employer reporting code. There are separate schedules for Non-Hazardous and Hazardous and as such reporting employers may appear on multiple schedules.

Employer Code	Participating Participating Employer Name	2022 Employer Contributions	2022 Proportionate Share
(1)	(2)	(3)	(4)
10005	LEGS GENERAL ASSEMBLY	5,773	0.005006%
20025	JUDL ADM OFF OF THE COURT	2,487,766	2.157089%
35628	TRAN DEPT OF INTERGOV PRO	-	0.000000%
39931	JEFFERSON CO CLERK	443,108	0.384210%
39932	JEFFERSON CO SHERIFF	114,360	0.099160%
39933	KENTON CO COURT CLERK	63,007	0.054632%
39934	KENTON CO SHERIFF	24,366	0.021128%
39935	CAMPBELL COUNTY CLERK	45,613	0.039550%
39936	CAMPBELL CO SHERIFF	20,655	0.017910%
39937	FAYETTE CO CLERK	158,769	0.137666%
39938	FAYETTE CO SHERIFF	77,661	0.067338%
39939	DAVIESS CO CLERK	46,293	0.040140%
39940	DAVIESS CO SHERIFF	11,363	0.009853%
39941	PIKE CO CLERK	21,229	0.018407%
39942	PIKE CO SHERIFF	33,994	0.029475%
39943	HARDIN COUNTY CLERK OFFIC	54,936	0.047634%
39944	HARDIN COUNTY SHERIFF	22,824	0.019790%
39945	WARREN COUNTY CLERKS OFF	53,389	0.046292%
39946	WARREN COUNTY SHERIFF	74,842	0.064894%
39947	BOONE COUNTY CLERK	59,062	0.051212%
39948	BOONE COUNTY SHERIFF	17,359	0.015051%
39949	CHRISTIAN COUNTY CLERK	25,318	0.021953%
39950	CHRISTIAN COUNTY SHERIFF	80,735	0.070003%
39951	MADISON COUNTY CLERK	42,500	0.036851%
39952	MADISON COUNTY SHERIFF	12,038	0.010438%
39961	BULLITT COUNTY CLERK	48,719	0.042243%
39962	BULLITT CO SHERIFF	50,068	0.043413%
54527	J&PS DEPT OF CORRECTIONS	-	0.000000%
014A	BRECKINRIDGE CO ATTORNEY	247	0.000214%
116A	WAYNE COUNTY ATTORNEY	4,758	0.004125%
A051	HENDERSON CO TOURIST COMM	2,260	0.001960%
A073	HOUSING AUTH OF PADUCAH	56,549	0.049032%
A113	MORGANFIELD HOUSING AUTH	-	0.000000%
A156	CITY OF ANCHORAGE	20,921	0.018140%
AB19	BELLEVUE/DAYTON FIRE	1,582	0.001371%
AC19	CAMPBELL CO FIRE DIST 1	-	0.000000%
B008	BURLINGTON FIRE PRO DIST	2,142	0.001858%
B010	HOUSING AUTHORITY OF CATLETTSBURG	10,051	0.008715%
B015	CITY OF HILLVIEW	24,619	0.021347%
B017	PENNYRILE EMER ASST CTR	12,094	0.010487%
B018	W KY ED COOPERATIVE	6,016	0.005216%
B023	CITY OF LONDON TOURISM	2,510	0.002176%
B024	OAK GROVE TOURISM/CONVENTION COMMISSION	10,851	0.009409%
B030	OWENSBORO/DAV CO ECO DEV	8,339	0.007231%
B035	GTR FLEMING CO WATER COMM	4,426	0.003838%

The accompanying notes are an integral part of these schedules.

Kentucky Public Pensions Authority
Schedule A - Schedule of Employer Allocations
Fiscal Year Ended June 30, 2022

County Employees Retirement System (Non-Hazardous)

Employers are presented in order by assigned employer reporting code. There are separate schedules for Non-Hazardous and Hazardous and as such reporting employers may appear on multiple schedules.

Employer Code	Participating Participating Employer Name	2022 Employer Contributions	2022 Proportionate Share
(1)	(2)	(3)	(4)
B038	CITY OF HICKMAN	19,741	0.017117%
B042	HOUSING AUTH OF MAYFIELD	24,343	0.021107%
B043	GRAYSON CO CONSERV DIST	1,149	0.000997%
B045	CITY OF BELLEFONTE	190	0.000165%
B048	CITY OF HARLAN	40,959	0.035514%
B051	HENDERSON CITY/CO PLANNIN	14,585	0.012647%
B052	HENRY CO WATER DIST #2	39,526	0.034272%
B054	CITY OF NORTONVILLE	8,421	0.007301%
B058	JOHNSON CO FISCAL COURT	83,472	0.072377%
B061	KNOX CO UTILITIES COMM	15,914	0.013799%
B072	LAKE BARKLEY TOUR COMM	1,856	0.001609%
B078	MARION CO WATER DISTRICT	20,346	0.017642%
B084	N MERCER WATER DISTRICT	23,674	0.020527%
B087	MONTGOMERY CO FIRE DIST	112,015	0.097126%
B097	KY RIVER REGIONAL JAIL	35,856	0.031090%
B098	PIKE CO SENIOR CITIZEN PR	7,920	0.006867%
B100	CITY OF SCIENCE HILL	4,910	0.004258%
B104	RUSSELL CO AMBULANCE SER	30,938	0.026826%
B106	NORTH SHELBY WATER CO	24,280	0.021053%
B109	CAMPBELL/TAYLOR CO I D A	3,962	0.003435%
B113	UNION CO ECONOMIC DEVELOP	3,441	0.002984%
B116	MONTICELLO/WAYNE TELE BOA	10,185	0.008831%
B118	WHITLEY CO CONSERV DIST	487	0.000422%
B124	HOPKINS-CHRIST CO PLANNIN	42,869	0.037171%
B156	LOU POLICE RETIRE FUND	4,710	0.004084%
B179	HOUSING AUTH OF BENTON	8,847	0.007671%
B230	RIVERPARK CTR OWENSBORO	18,884	0.016374%
B256	BUECHEL FIRE PROTECT DIST	2,459	0.002132%
B259	CITY OF LUDLOW	9,979	0.008653%
B356	CITY OF DOUGLASS HILLS	9,323	0.008084%
B456	ANCHORAGE MIDDLETOWN FIRE AND EMS	20,766	0.018005%
B656	LOUISVILLE AIRPORT AUTHOR	312,637	0.271081%
B756	LEGAL AID SOCIETY INC	112,107	0.097205%
B856	JEFF CO SOIL/CONSER DIST	962	0.000834%
B956	LAKE DREAMLAND FIRE DIST	-	0.000000%
C025	WINCHESTER CLARK COUNTY INDUSTRIAL AUTHORITY	3,810	0.003304%
C079	JONATHAN CREEK WATER DIST	12,681	0.010995%
C087	CITY OF JEFFERSONVILLE	8,522	0.007390%
C105	CITY OF SADIEVILLE	1,669	0.001447%
C106	CITY OF SIMPSONVILLE	17,248	0.014956%
C118	HOUSING AUTH OF CORBIN	11,971	0.010380%
C230	HOUSING AUTH OF OWENSBORO	47,794	0.041441%
C256	LOUISVILLE/JEFF CO METRO	6,575,542	5.701513%
D017	CALDWELL CO WATER DISTRIC	10,480	0.009087%
D025	WINCHESTER-CLARK COUNTY TOURISM	3,273	0.002838%

The accompanying notes are an integral part of these schedules.

Kentucky Public Pensions Authority
Schedule A - Schedule of Employer Allocations
Fiscal Year Ended June 30, 2022

County Employees Retirement System (Non-Hazardous)

Employers are presented in order by assigned employer reporting code. There are separate schedules for Non-Hazardous and Hazardous and as such reporting employers may appear on multiple schedules.

Employer Code	Participating Participating Employer Name	2022 Employer Contributions	2022 Proportionate Share
(1)	(2)	(3)	(4)
D052	CITY OF PLEASUREVILLE	1,270	0.001101%
D071	CITY OF LEWISBURG	8,358	0.007247%
D079	NORTH MARSHALL WATER DIST	24,918	0.021606%
D084	GTR H/MERCER PL&ZONING CO	2,793	0.002421%
D098	CITY OF COAL RUN VILLAGE	11,053	0.009584%
D113	UNION CO WATER DISTRICT	10,234	0.008873%
D118	WHITLEY CO WATER DIST	7,048	0.006111%
D135	WESTERN FLEMING WATER DIS	9,595	0.008320%
G015	ZONETON FIRE PROT DIST	1,564	0.001356%
G090	NELSON CO. DISPATCH	24,595	0.021326%
GS06	SHELBY CO SUB FIRE DIST	3,106	0.002693%
J001	ADAIR CO BD OF EDUCATION	161,532	0.140061%
J002	CITY OF SCOTTSVILLE	78,407	0.067985%
J003	CITY OF LAWRENCEBURG	98,382	0.085305%
J004	BALLARD CO BD OF ED	75,001	0.065032%
J005	GLASGOW BD OF EDUCATION	115,353	0.100020%
J006	BATH CO BD OF EDUC	118,889	0.103086%
J007	CITY OF MIDDLESBORO	52,454	0.045481%
J008	BOONE CO WATER DISTRICT	60,186	0.052186%
J009	BOURBON CO BD OF EDUCATIO	189,915	0.164672%
J010	FAIRVIEW BD OF EDUCATION	33,587	0.029122%
J011	DANVILLE CITY BD OF ED	110,566	0.095869%
J012	BRACKEN CO BD OF EDUC	60,283	0.052270%
J013	BREATHITT CO BD OF ED	115,951	0.100539%
J014	BRECKINRIDGE CO BD OF ED	167,140	0.144924%
J015	BULLITT CO BD OF ED	744,225	0.645302%
J016	BUTLER CO BD OF ED	113,044	0.098018%
J017	CALDWELL CO BD EDUCATION	119,699	0.103788%
J018	CALLOWAY CO BD OF EDUC	147,082	0.127532%
J019	SANITATION DISTRICT NO 1	567,015	0.491646%
J021	CARROLL CO BD OF ED	188,493	0.163438%
J022	CARTER CO BD OF ED	252,245	0.218716%
J023	CASEY CO BD OF ED	156,500	0.135698%
J024	CITY OF HOPKINSVILLE	242,670	0.210414%
J025	CLARK CO BD OF ED	348,731	0.302377%
J026	CLAY CO BD OF ED	172,481	0.149555%
J027	CLINTON CO BD OF ED	112,460	0.097511%
J028	CRITTENDEN CO BD OF ED	82,054	0.071147%
J029	CUMBERLAND CO BD OF ED	63,379	0.054955%
J030	DAVISS CO LIBRARY DIST	72,553	0.062909%
J031	EDMONSON CO BD OF EDUC	113,735	0.098617%
J032	ELLIOTT CO BD OF ED	51,652	0.044787%
J033	ESTILL CO CONSERVATION DI	3,516	0.003049%
J034	GREATER LEX CONV&VISITOR	63,893	0.055400%
J035	FLEMING CO BD OF ED	118,622	0.102854%

The accompanying notes are an integral part of these schedules.

Kentucky Public Pensions Authority
Schedule A - Schedule of Employer Allocations
Fiscal Year Ended June 30, 2022

County Employees Retirement System (Non-Hazardous)

Employers are presented in order by assigned employer reporting code. There are separate schedules for Non-Hazardous and Hazardous and as such reporting employers may appear on multiple schedules.

Employer Code	Participating Participating Employer Name	2022 Employer Contributions	2022 Proportionate Share
(1)	(2)	(3)	(4)
J037	CITY OF FRANKFORT	326,159	0.282805%
J038	FULTON COUNTY BD OF EDUC	27,937	0.024223%
J039	GALLATIN CO BD OF EDUC	107,727	0.093407%
J040	CITY OF LANCASTER	37,549	0.032558%
J041	WILLIAMSTOWN INDEPN DNT SC	59,414	0.051516%
J042	GRAVES CO LIBRARY	10,108	0.008765%
J043	GRAYSON CO BD OF ED	254,937	0.221051%
J044	GREEN CO BD OF EDUCATION	104,710	0.090792%
J045	RUSSELL INDPT BD OF ED	114,529	0.099306%
J046	HANCOCK CO BD EDUCATION	119,552	0.103661%
J047	HARDIN CO SOIL CN DIST	2,402	0.002083%
J048	HARLAN CO BD OF EDUCATION	270,011	0.234121%
J049	HARRISON CO BD OF ED	166,835	0.144659%
J050	HART CO BD OF ED	141,616	0.122792%
J051	HENDERSON PUBLIC LIBRARY	48,766	0.042284%
J052	EMINENCE INDEP BD OF EDUC	54,936	0.047634%
J053	HICKMAN CO BD OF ED	36,486	0.031636%
J054	HOPKINS CO BD OF ED	392,073	0.339958%
J055	JACKSON CO BD OF ED	116,366	0.100898%
J056	JEFF CO METRO SEWER DIST	2,112,273	1.831507%
J057	JESSAMINE CO BD OF ED	530,913	0.460343%
J058	PAINTSVILLE GAS/WATER SYS	77,381	0.067096%
J059	KENTON COUNTY AIRPORT BD	910,349	0.789345%
J060	KNOTT CO BD OF EDUCATION	154,924	0.134331%
J061	KNOX CO BD OF EDUCATION	298,476	0.258802%
J062	LARUE CO PUBLIC LIBRARY	6,572	0.005698%
J063	CITY OF LONDON	112,430	0.097485%
J064	LAWRENCE CO BD OF ED	157,825	0.136846%
J065	LEE CO BD OF ED	67,654	0.058661%
J066	LESLIE CO BD OF ED	111,553	0.096725%
J067	CITY OF WHITESBURG	48,397	0.041964%
J068	ELEC PLT BD OF VANCEBURG	41,510	0.035993%
J069	LINCOLN CO BD OF EDUC	221,696	0.192228%
J070	LIVINGSTON CO BD OF ED	98,892	0.085747%
J071	LOGAN CO BD OF EDUCATION	171,783	0.148950%
J072	LYON CO. PUBLIC LIBRARY	5,667	0.004914%
J073	PADUCAH WATER WORKS	136,356	0.118231%
J074	MCCREARY CO BD OF EDUCATN	196,747	0.170595%
J075	MCLEAN CO BD OF ED	83,892	0.072741%
J076	MADISON CO BD OF ED	650,560	0.564087%
J077	MAGOFFIN CO BD OF ED	134,672	0.116771%
J078	MARION CO BD OF EDUCATION	170,762	0.148064%
J079	MARSHALL COUNTY BD OF ED	252,067	0.218562%
J080	MARTIN CO BD OF ED	121,289	0.105167%
J081	MASON CO BD OF ED	143,918	0.124788%

The accompanying notes are an integral part of these schedules.

Kentucky Public Pensions Authority
Schedule A - Schedule of Employer Allocations
Fiscal Year Ended June 30, 2022

County Employees Retirement System (Non-Hazardous)

Employers are presented in order by assigned employer reporting code. There are separate schedules for Non-Hazardous and Hazardous and as such reporting employers may appear on multiple schedules.

Employer Code	Participating Participating Employer Name	2022 Employer Contributions	2022 Proportionate Share
(1)	(2)	(3)	(4)
J082	MEADE CO PUBLIC LIBRARY	14,218	0.012328%
J083	MENIFEE CO BD OF ED	70,455	0.061090%
J084	CITY OF HARRODSBURG	110,749	0.096028%
J085	METCALFE CO BD OF ED	106,694	0.092512%
J086	MONROE CO BOARD OF ED	147,994	0.128323%
J087	MT STERLING WATER WORKS	77,378	0.067093%
J088	MORGAN CO BD OF EDUCATION	123,695	0.107253%
J089	MUHLENBERG CO LIB BD DIST	17,446	0.015127%
J090	CITY OF BARDSTOWN	202,259	0.175375%
J091	NICHOLAS CO BD OF ED	64,361	0.055806%
J092	OHIO CO BD OF ED	271,242	0.235188%
J093	OLDHAM COUNTY BD OF ED	729,191	0.632266%
J094	OWEN CO BD OF ED	113,727	0.098610%
J095	OWSLEY CO BD OF EDUCATION	76,449	0.066287%
J096	PENDLETON CO BD OF ED	121,448	0.105305%
J097	HAZARD CITY SCHOOLS	61,004	0.052896%
J098	PIKE CO BD OF EDUCATION	570,994	0.495097%
J099	POWELL CO BD OF EDUCATION	163,033	0.141362%
J100	CITY OF SOMERSET	277,288	0.240431%
J101	ROBERTSON CO BD OF ED	38,976	0.033796%
J102	ROCKCASTLE CO BD OF ED	152,828	0.132514%
J103	ROWAN CO BD OF ED	212,836	0.184545%
J104	RUSSELL CO BD OF ED	180,187	0.156236%
J105	SCOTT CO BOARD OF ED	583,596	0.506024%
J106	SHELBY CO LIBRARY	16,428	0.014245%
J107	SIMPSON CO BD OF ED	183,658	0.159246%
J108	SPENCER CO BD OF EDUC	196,499	0.170380%
J109	TAYLOR CO BD OF ED	217,914	0.188948%
J110	TODD CO BD OF ED	147,965	0.128298%
J111	TRIGG CO BD OF ED	128,511	0.111429%
J112	TRIMBLE CO BD OF ED	71,541	0.062032%
J113	CITY OF MORGANFIELD	85,223	0.073895%
J115	SPRINGFIELD WATER & SEWER	34,676	0.030067%
J117	CITY OF SEBREE	9,936	0.008615%
J118	CITY OF CORBIN	78,130	0.067745%
J119	WOLFE CO BD OF EDUCATION	89,840	0.077899%
J120	WOODFORD CO BD OF ED	256,735	0.222609%
J124	PENNYRILE NAR TASK FORCE	1,301	0.001128%
J134	LEX-FAY CO HUM RIGHTS COM	6,092	0.005282%
J135	FLEMING CO EMS	27,261	0.023637%
J154	CITY OF EARLINGTON	6,886	0.005971%
J156	CITY OF JEFFERSONTOWN	168,520	0.146120%
J178	LEBANON HOUSING AUTHORITY	11,795	0.010228%
J179	MARSHALL CO TOURIST COMM	2,606	0.002260%
J190	CITY OF BLOOMFIELD	12,483	0.010824%

The accompanying notes are an integral part of these schedules.

Kentucky Public Pensions Authority
Schedule A - Schedule of Employer Allocations
Fiscal Year Ended June 30, 2022

County Employees Retirement System (Non-Hazardous)

Employers are presented in order by assigned employer reporting code. There are separate schedules for Non-Hazardous and Hazardous and as such reporting employers may appear on multiple schedules.

Employer Code	Participating Participating Employer Name	2022 Employer Contributions	2022 Proportionate Share
(1)	(2)	(3)	(4)
J200	SOMERSET-PULASKI CONV & V	5,875	0.005094%
J203	FRONTIER HOUSING INC	9,961	0.008637%
J205	GEORGETOWN-SCOTT CO P COM	21,747	0.018856%
J210	BOYD CO AMBULANCE SERVICE	2,458	0.002132%
J214	COMM ACTION SOUTHERN KY	220,833	0.191480%
J217	CITY OF PROVIDENCE	74,034	0.064194%
J219	CAMPBELL CO PUBLIC LIBRAR	77,150	0.066895%
J224	HOUSING AUTH OF HOPKINSVL	22,831	0.019796%
J234	LFUC HOUSING AUTHORITY	136,283	0.118168%
J256	CITY OF ST MATTHEWS	65,362	0.056674%
J259	CITY OF PARK HILLS	5,098	0.004420%
J305	SCOTT CO SOIL CONSER DIST	-	0.000000%
J310	CANNONSBURG WATER DIST	19,651	0.017039%
J314	BOWL GRN WARREN AIRPRT BD	9,180	0.007960%
J317	PROVIDENCE MUN HOUSING AU	6,049	0.005245%
J319	CITY OF ALEXANDRIA	29,901	0.025926%
J324	CITY OF OAK GROVE	38,543	0.033420%
J334	CENTRAL KY ED COOPERATIVE	4,104	0.003558%
J356	CITY OF WEST BUECHEL	9,244	0.008015%
J359	CITY OF FORT WRIGHT	15,216	0.013194%
J405	GEORGETOWN HOUSING AUTHOR	16,925	0.014675%
J414	WARREN CO PLANNING COMM	30,014	0.026025%
J417	WEBSTER CO CONSER DIST	2,929	0.002540%
J419	CITY OF COLD SPRING	14,970	0.012980%
J424	CITY OF CROFTON	789	0.000684%
J434	KY LEAGUE OF CITIES	242,629	0.210378%
J456	CITY OF SHIVELY	34,568	0.029974%
J459	N KY AREA PLAN COMMISSION	104,644	0.090734%
J510	CITY OF CATLETTSBURG	15,119	0.013109%
J514	BARREN RIVER AREA DEV	75,401	0.065379%
J519	NORTHERN KY COOP ED SER	49,944	0.043305%
J524	HOPKINSVILLE S W AUTHORI	108,064	0.093700%
J534	BLUEGRASS AREA DEV DISRIC	113,168	0.098126%
J556	LOUISVILLE CONV BUREAU	177,175	0.153625%
J559	CITY OF CRESCENT SPRINGS	10,574	0.009168%
J610	BOYD CO CONSERVATION DIST	1,807	0.001566%
J614	BOWL GRN CONV & VISIT BUR	13,598	0.011791%
J619	CITY OF FORT THOMAS	81,829	0.070952%
J656	OHIO VALLEY ED COOP	142,187	0.123287%
J710	BIG SANDY WATER DISTRICT	11,449	0.009927%
J714	BOWLING GR/WARREN COMM ED	22,424	0.019443%
J719	CITY OF SOUTHGATE	9,811	0.008507%
J756	CITY OF PROSPECT	13,746	0.011919%
J759	N KY COMMUNITY ACT COMM	181,899	0.157720%
J810	HOUSING AUTH OF ASHLAND	27,776	0.024084%

The accompanying notes are an integral part of these schedules.

Kentucky Public Pensions Authority
Schedule A - Schedule of Employer Allocations
Fiscal Year Ended June 30, 2022

County Employees Retirement System (Non-Hazardous)

Employers are presented in order by assigned employer reporting code. There are separate schedules for Non-Hazardous and Hazardous and as such reporting employers may appear on multiple schedules.

Employer Code	Participating Participating Employer Name	2022 Employer Contributions	2022 Proportionate Share
(1)	(2)	(3)	(4)
J814	HOUSING AUTH BOWLING GRN	64,221	0.055685%
J819	CITY OF BELLEVUE	25,778	0.022351%
J834	KY LEGAL SERVICE PROGRAMS	22,854	0.019816%
J856	LOUISVILLE WATER COMPANY	1,399,520	1.213494%
J859	CITY OF VILLA HILLS	16,937	0.014685%
J910	SANITATION DISTRICT #4	20,548	0.017817%
J914	BOWLING GRN HUM RIGHT COM	3,196	0.002771%
J919	CITY OF DAYTON	17,712	0.015358%
J956	OKOLONA FIRE DISTRICT	5,723	0.004962%
J959	CITY OF INDEPENDENCE	39,294	0.034071%
K001	CITY OF COLUMBIA	34,177	0.029634%
K002	ALLEN CO BD OF ED	171,088	0.148347%
K003	ANDERSON CO BD OF ED	208,983	0.181205%
K004	CITY OF WICKLIFFE	10,236	0.008875%
K005	BARREN CO BD OF EDUCATION	306,712	0.265944%
K006	CITY OF OWINGSVILLE	21,556	0.018691%
K007	BELL CO BD OF ED	163,050	0.141377%
K009	PARIS BD OF EDUCATION	64,326	0.055776%
K010	CITY OF ASHLAND	363,970	0.315591%
K011	CITY OF DANVILLE	184,800	0.160236%
K012	AUGUSTA BD OF ED	11,763	0.010199%
K013	JACKSON CITY SCHOOLS	24,971	0.021652%
K014	CLOVERPORT INDEPENDENT SC	20,273	0.017579%
K015	BULLITT CO PUBLIC LIBRARY	76,915	0.066691%
K016	CITY OF MORGANTOWN	34,557	0.029964%
K017	GEORGE COON PUBLIC LIBRAR	5,331	0.004622%
K018	CITY OF MURRAY	180,322	0.156353%
K019	CITY OF NEWPORT	120,761	0.104709%
K020	CARLISLE CO BD OF ED	37,237	0.032288%
K021	CARROLL CO PUBLIC LIBRARY	14,786	0.012820%
K022	CARTER CO EMER AMBUL DIST	62,222	0.053952%
K023	CASEY CO AMBULANCE SERV	23,802	0.020638%
K025	CLARK CO LIBRARY BD	34,687	0.030076%
K026	CITY OF MANCHESTER	42,418	0.036779%
K027	CLINTON CO PUBLIC LIBRARY	2,839	0.002461%
K028	CITY OF MARION	38,629	0.033495%
K029	CITY OF BURKESVILLE	29,674	0.025730%
K030	OWENSBORO BD OF ED	395,270	0.342730%
K032	ELLIOTT CO AMB SERVICE	-	0.000000%
K033	ESTILL CO BD OF EDUCATION	135,562	0.117543%
K034	LEX/FAYETTE URBAN CO GOVT	3,550,173	3.078280%
K035	LICKING VALLEY COM ACTION	73,618	0.063832%
K036	FLOYD CO SCHOOLS	454,574	0.394152%
K038	FULTON CITY SCHOOLS	23,369	0.020262%
K039	GALLATIN CO PUBLIC LIB	7,574	0.006568%

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Kentucky Public Pensions Authority
Schedule A - Schedule of Employer Allocations
Fiscal Year Ended June 30, 2022

County Employees Retirement System (Non-Hazardous)

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Employer Code	Participating Participating Employer Name	2022 Employer Contributions	2022 Proportionate Share
(1)	(2)	(3)	(4)
K040	GARRARD CO BD OF ED	139,629	0.121070%
K041	CITY OF WILLIAMSTOWN	79,221	0.068691%
K042	GRAVES CO BD OF ED	233,641	0.202585%
K043	CITY OF LEITCHFIELD	60,905	0.052809%
K044	CITY OF GREENSBURG	32,128	0.027858%
K045	GREENUP CO BD OF ED	183,755	0.159330%
K046	CITY OF HAWESVILLE	12,772	0.011075%
K047	HARDIN CO BD OF ED	908,293	0.787562%
K048	HARLAN INDEPENDENT SCHOOL	31,434	0.027256%
K049	CITY OF CYNTHIANA	64,917	0.056288%
K050	CAVERNA INDEPENDENT SCH	51,169	0.044367%
K052	HENRY CO BD OF EDUCATION	130,350	0.113024%
K055	JACKSON CO CONSERV DIST	-	0.000000%
K057	JESSAMINE CO PUBLIC LIBRA	70,451	0.061087%
K058	JOHNSON CO BD OF ED	200,815	0.174122%
K060	LKLP COMM ACTION COUNCIL	393,882	0.341527%
K061	BARBOURVILLE CITY SCHOOLS	23,478	0.020357%
K062	LARUE CO BD OF EDUCATION	128,840	0.111714%
K063	LONDON UTILITY COMM	62,072	0.053821%
K064	CITY OF LOUISA	26,417	0.022905%
K065	CITY OF BEATTYVILLE	30,717	0.026634%
K066	LESLIE CO PUBLIC LIBRARY	8,862	0.007684%
K067	LETCHER CO BD OF ED	192,157	0.166616%
K068	LEWIS CO BD OF ED	129,697	0.112457%
K069	LINCOLN CO PUBLIC LIBRARY	9,328	0.008088%
K070	LIVINGSTON CO CONSERV DIS	2,110	0.001830%
K071	CITY OF RUSSELLVILLE	81,780	0.070909%
K072	LYON CO BD OF EDUCATION	58,354	0.050597%
K073	PADUCAH BOARD OF ED	199,555	0.173030%
K074	MCCREARY CO WATER DIST	53,332	0.046243%
K075	CITY OF CALHOUN	9,105	0.007895%
K077	MAGOFFIN CO LIBRARY	1,794	0.001555%
K078	CITY OF LEBANON	70,927	0.061499%
K079	CITY OF BENTON	69,753	0.060482%
K080	MARTIN COUNTY LIBRARY	8,040	0.006971%
K081	MAYSVILLE UTILITY COMM	-	0.000000%
K082	CITY OF MULDRAUGH	13,422	0.011638%
K083	CITY OF FRENCHBURG	12,535	0.010869%
K085	METCALFE HEALTH CARE CTN	72,099	0.062516%
K086	MONROE CO CONSERV DIST	2,791	0.002420%
K087	MONTGOMERY CO BD OF ED	254,717	0.220860%
K088	GATEWAY COMM SER ORGANIZ	252,780	0.219181%
K089	MUHLENBERG CO BD OF ED	337,350	0.292509%
K090	NELSON COUNTY BD OF ED	278,235	0.241252%
K091	CITY OF CARLISLE	36,264	0.031443%

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Kentucky Public Pensions Authority
Schedule A - Schedule of Employer Allocations
Fiscal Year Ended June 30, 2022

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Employer Code	Participating Participating Employer Name	2022 Employer Contributions	2022 Proportionate Share
(1)	(2)	(3)	(4)
K092	OHIO CO LIBRARY	16,292	0.014126%
K093	OLDHAM CO LIBRARY BD	35,957	0.031177%
K094	OWEN CO PUBLIC LIBRARY	9,424	0.008172%
K095	OWSLEY CO PUBLIC LIBRARY	2,332	0.002022%
K096	PENDLETON CO LIBRARY	11,456	0.009933%
K097	PERRY CO BD OF EDUCATION	255,168	0.221251%
K098	PIKEVILLE INDEPENDENT SCH	49,931	0.043294%
K099	CITY OF STANTON	12,026	0.010428%
K100	SOMERSET BD OF EDUCATION	85,067	0.073760%
K101	CITY OF MOUNT OLIVET	811	0.000704%
K102	ROCKCASTLE CONSERV DIST	1,867	0.001619%
K103	CITY OF MOREHEAD	65,856	0.057102%
K104	RUSSELL CO CONS DIST	868	0.000752%
K105	CITY OF GEORGETOWN	169,831	0.147257%
K106	CITY OF SHELBYVILLE	70,661	0.061269%
K107	FRANKLIN/SIMPSON PARKS BD	7,541	0.006539%
K108	CITY OF TAYLORSVILLE	34,539	0.029948%
K109	CAMPBELLSVLE MUN WTR&SEWR	79,908	0.069287%
K110	TODD COUNTY WATER DIST	14,818	0.012849%
K111	CITY OF CADIZ	43,939	0.038099%
K112	TRIMBLE CO LIBRARY	10,819	0.009381%
K113	UNION CO BD OF EDUCATION	166,002	0.143937%
K114	CITY OF BOWLING GREEN	516,656	0.447982%
K115	CITY OF SPRINGFIELD	33,126	0.028723%
K116	WAYNE CO BD OF ED	215,863	0.187170%
K117	WEBSTER CO PUBLIC LIBRARY	6,420	0.005566%
K118	WHITLEY CO BD OF ED	276,328	0.239599%
K119	WOLFE COUNTY LIBRARY	2,961	0.002568%
K120	CITY OF VERSAILLES	103,530	0.089769%
K137	KY MAGISTRATES/COMM ASSOC	8,893	0.007711%
K141	GRANT CO PLANNING COMM	2,254	0.001955%
K181	WESTERN LEWIS-RECTORVILLE	8,549	0.007413%
K200	CITY OF FERGUSON	20	0.000017%
K214	GREEN RIVER EDUC COOP	5,716	0.004957%
K219	NORTHERN KY WATER SER DIS	393,455	0.341156%
K237	KY CO JUDGE/EX ASSOC	9,246	0.008017%
K256	JEFFERSONTOWN FIRE DIST	4,181	0.003625%
K314	KY LEGAL AID	103,508	0.089750%
K315	MT WASHINGTON FIRE P DIST	2,812	0.002438%
K319	CITY OF SILVER GROVE	4,625	0.004010%
K337	KY COUNCIL OF ADD'S	-	0.000000%
K356	ST MATTHEWS FIRE DIST.	2,612	0.002265%
K414	CITY OF SMITHS GROVE	-	0.000000%
K419	ALEXANDRIA FIRE DISTRICT	1,966	0.001705%
K459	CITY OF LAKESIDE PARK	3,509	0.003043%

The accompanying notes are an integral part of these schedules.

Kentucky Public Pensions Authority
Schedule A - Schedule of Employer Allocations
Fiscal Year Ended June 30, 2022

County Employees Retirement System (Non-Hazardous)

Employers are presented in order by assigned employer reporting code. There are separate schedules for Non-Hazardous and Hazardous and as such reporting employers may appear on multiple schedules.

Employer Code	Participating Participating Employer Name	2022 Employer Contributions	2022 Proportionate Share
(1)	(2)	(3)	(4)
K519	CITY OF MELBOURNE	1,525	0.001322%
K559	CITY OF TAYLOR MILL	21,364	0.018524%
K614	WARREN CO PUBLIC LIBRARY	35,125	0.030456%
K619	CAMPBELL CO CONS DISPATCH	61,383	0.053224%
K659	CITY OF EDGEWOOD	40,701	0.035291%
K719	CENTRAL CAMPBELL CO FIRE	1,265	0.001096%
K759	LAKESIDE/CRESTVIEWHLS POL	2,547	0.002208%
K856	HIGHVIEW FIRE DISTRICT	4,124	0.003575%
K859	CITY OF FORT MITCHELL	26,905	0.023329%
K959	HOUSING AUTH OF COVINGTON	63,101	0.054714%
L002	ALLEN CO CONSERVATION DIS	1,716	0.001488%
L003	ANDERSON PUBLIC LIBRARY	13,292	0.011526%
L004	CITY OF BARLOW	3,874	0.003359%
L005	CITY OF GLASGOW	172,808	0.149838%
L006	BATH CO WATER DISTRICT	15,455	0.013401%
L007	BELL CO COURT CLERK	11,171	0.009686%
L008	BOONE CO BD OF ED	1,308,584	1.134645%
L009	CITY OF PARIS	207,366	0.179803%
L010	FIVCO AREA DEVELOPMT DIST	47,119	0.040856%
L011	DANVILLE BOYLE CO REC	-	0.000000%
L012	BRACKEN COUNTY PUB LIBRAR	5,845	0.005068%
L013	BREATHITT CO PUBLIC LIB	7,806	0.006768%
L014	BRECKINRIDGE CO CLERK OFF	14,059	0.012190%
L015	CITY OF MT WASHINGTON	96,694	0.083841%
L016	BUTLER CO AMBULANCE SVC	25,261	0.021903%
L018	MURRAY PUBLIC SCHOOLS	194,824	0.168927%
L021	CITY OF CARROLLTON	61,587	0.053401%
L022	NORTHEAST KY CAA	129,491	0.112279%
L023	CITY OF LIBERTY	35,447	0.030735%
L024	HOPKINSVLE CHRIST LIBRARY	15,289	0.013257%
L025	CITY OF WINCHESTER	106,702	0.092519%
L026	DANIEL BOONE COMM AGENCY	159,399	0.138211%
L027	CITY OF ALBANY	51,275	0.044459%
L028	CRITTENDEN/LIV CO WAT DIS	20,900	0.018122%
L029	CUMBERLAND CO SOIL & WAT	1,436	0.001245%
L031	EDMONSON CO AMBULANCE DIS	14,004	0.012143%
L032	SANDY HOOK WATER DISTRICT	9,153	0.007937%
L033	CITY OF IRVINE	25,287	0.021926%
L035	CITY OF FLEMINGSBURG	27,086	0.023486%
L036	FLOYD CO LIBRARY	19,812	0.017178%
L038	FULTON CO LIBRARY	5,425	0.004704%
L039	CITY OF WARSAW	12,439	0.010786%
L041	GRANT CO PUBLIC LIBRARY	13,913	0.012064%
L042	MAYFIELD CITY SCHOOLS	158,321	0.137277%
L043	LEITCHFIELD UTILITY COMM	61,158	0.053029%

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Kentucky Public Pensions Authority
Schedule A - Schedule of Employer Allocations
Fiscal Year Ended June 30, 2022

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Employer Code	Participating Participating Employer Name	2022 Employer Contributions	2022 Proportionate Share
(1)	(2)	(3)	(4)
L044	GREEN CO AMBULANCE SVC	12,631	0.010952%
L045	RACELAND BOARD OF EDUC	48,585	0.042127%
L046	HANCOCK CO PUBLIC LIBRARY	11,852	0.010276%
L047	WEST POINT INDEPENDENT SC	-	0.000000%
L049	CYNTHIANA/HARRISON LIBRAR	8,793	0.007624%
L050	CITY OF MUNFORDVILLE	11,304	0.009801%
L051	HENDERSON CO WATER DIST	18,620	0.016145%
L052	CITY OF EMINENCE	16,905	0.014658%
L054	DAWSON SPRINGS PUBLIC SCH	33,864	0.029363%
L057	CITY OF NICHOLASVILLE	275,127	0.238557%
L058	PAINTSVILLE BD OF ED	38,143	0.033073%
L060	KNOTT CO SOIL CONV DIST	1,397	0.001211%
L061	CITY OF BARBOURVILLE	32,487	0.028169%
L062	CITY OF HODGENVILLE	45,969	0.039859%
L063	LAUREL CO PUBLIC LIB DIST	35,763	0.031009%
L064	LOUISA WATER & SEWER COMM	21,019	0.018225%
L065	LEE CO PUBLIC LIBRARY	4,549	0.003944%
L066	CITY OF HYDEN	5,509	0.004777%
L067	LETCHER COUNTY CONS DIST	1,491	0.001293%
L068	HOUSING AUTH OF VANCEBURG	3,585	0.003109%
L069	STANFORD WATER COMMISSION	23,201	0.020117%
L071	RUSSELLVILLE CITY SCHOOLS	62,479	0.054174%
L072	CITY OF EDDYVILLE	14,625	0.012681%
L073	CITY OF PADUCAH	364,366	0.315934%
L074	HOUSING AUTH MCREARY CO	6,868	0.005955%
L075	CITY OF LIVERMORE	9,914	0.008596%
L076	BEREA BD OF ED	58,565	0.050781%
L077	CITY OF SALYERSVILLE	33,799	0.029307%
L078	MARION FREE PUBLIC LIBRAR	10,002	0.008673%
L079	MARSHALL CO SOIL & WATER	1,465	0.001270%
L080	MARTIN CO CONSERV DIST	991	0.000859%
L082	MEADE CO BD OF ED	262,954	0.228002%
L083	MENIFEE CO PUBLIC LIBRARY	1,743	0.001511%
L084	BURGIN INDEPENDENT SCH	21,624	0.018750%
L085	METCALFE CO PUBLIC LIB	5,964	0.005171%
L086	CITY OF TOMPKINSVILLE	32,587	0.028256%
L087	MONTGOMERY CO SAN DIST #2	4,077	0.003535%
L088	MORGAN COUNTY LIBRARY	5,681	0.004926%
L090	CITY OF NEW HAVEN	3,960	0.003434%
L091	NICHOLAS COUNTY LIBRARY	959	0.000832%
L092	OHIO CO WATER DIST	38,465	0.033352%
L093	LAGRANGE UTILITY COMM	24,049	0.020852%
L096	PENDLETON COUNTY WATER	12,989	0.011263%
L099	POWELLS VALLEY WATER DIST	11,491	0.009964%
L100	SCIENCE HILL BD OF ED	25,217	0.021865%

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Kentucky Public Pensions Authority
Schedule A - Schedule of Employer Allocations
Fiscal Year Ended June 30, 2022

County Employees Retirement System (Non-Hazardous)

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Employer Code	Participating Participating Employer Name	2022 Employer Contributions	2022 Proportionate Share
(1)	(2)	(3)	(4)
L102	CITY OF MOUNT VERNON	47,476	0.041165%
L103	MOREHEAD UTILITY PLANT BD	88,216	0.076491%
L104	LAKE CUMBERLAND ADD	109,476	0.094924%
L105	GEORGETOWN/SCOTT CO PARKS	35,818	0.031057%
L106	TRIPLE S PLANNING & ZONIN	7,212	0.006254%
L107	CITY OF FRANKLIN	92,333	0.080060%
L108	SPENCER CO FIRE DIST	1,909	0.001655%
L109	CAMPBELLSVILLE CITY SCHOO	72,460	0.062828%
L110	CITY OF ELKTON	27,827	0.024128%
L111	HOUSING AUTH OF CADIZ	5,118	0.004437%
L112	CITY OF BEDFORD	5,142	0.004459%
L113	UNION CO PLANNING COMM	2,586	0.002242%
L114	WARREN COUNTY BD OF ED	866,037	0.750923%
L115	WASHINGTON CO SCHOOLS	105,047	0.091084%
L118	CORBIN BD OF ED	124,221	0.107710%
L119	CITY OF CAMPTON	14,154	0.012272%
L120	FALLING SPRINGS ARTS	22,641	0.019631%
L141	CORINTH WATER DISTRICT	3,821	0.003313%
L156	CITY OF LYNDON	8,897	0.007714%
L159	ELSMERE FIRE PROTECTION	2,545	0.002207%
L256	CITY OF HURSTBOURNE	6,115	0.005302%
L356	EASTWOOD FIRE PROT DIST	-	0.000000%
L456	HARRODS CREEK FIRE DIST	-	0.000000%
L656	FERN CREEK FIRE PROT DIST	5,324	0.004617%
L756	PLEASURE RIDGE PARK FIRE	10,593	0.009185%
L959	NORTHERN KY CONV CTR CORP	52,693	0.045689%
M001	COLUMBIA/ADAIR UTILITIES	38,993	0.033810%
M003	LAWBG-ANDERSON PLAN COMM	755	0.000654%
M005	GLASGOW WATER COMPANY	107,660	0.093350%
M006	GATEWAY AREA DEV DISTRICT	35,772	0.031017%
M007	MIDDLESBORO CITY SCHOOL	64,191	0.055659%
M008	WALTON/VERONA BD OF ED	101,036	0.087606%
M009	PARIS BOURBON CO LIBRARY	15,397	0.013351%
M010	BOYD CO BD OF ED	280,786	0.243464%
M011	BOYLE COUNTY BD OF EDUC	123,921	0.107449%
M012	EAST PENDLETON WATER DIST	13,401	0.011620%
M013	BREATHITT CO SOIL CONSERV	1,061	0.000920%
M014	CITY OF HARDINSBURG	8,395	0.007279%
M015	BULLITT CO FISCAL COURT	285,417	0.247479%
M017	CITY OF FREDONIA	1,131	0.000981%
M018	CALLOWAY CO PUBLIC LIBRAR	13,793	0.011960%
M019	CAMPBELL CO COURTHOUSE	3,280	0.002844%
M020	CITY OF BARDWELL	19,757	0.017131%
M021	CARROLL CO WATER DISTRICT	21,545	0.018681%
M022	CITY OF OLIVE HILL	37,185	0.032242%

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Kentucky Public Pensions Authority
Schedule A - Schedule of Employer Allocations
Fiscal Year Ended June 30, 2022

County Employees Retirement System (Non-Hazardous)

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Employer Code	Participating Participating Employer Name	2022 Employer Contributions	2022 Proportionate Share
(1)	(2)	(3)	(4)
M023	E CASEY CO WATER DISTRICT	10,786	0.009352%
M024	CHRISTIAN CO BD OF ED	542,018	0.469973%
M025	WINCHESTER MUNICIPAL UTIL	137,354	0.119097%
M026	CLAY COUNTY 911 BOARD	11,832	0.010259%
M027	HOUSING AUTH OF ALBANY	6,808	0.005903%
M029	CUMBERLAND CO FISCAL CT	46,539	0.040353%
M030	DAVIESS CO BD OF EDUC	736,950	0.638994%
M031	EDMONSON CO CONSERV DIST	1,135	0.000984%
M033	IRVINE MUNICIPAL UTILITY	31,055	0.026927%
M034	FAYETTE CO BD EDUCATION	2,870,774	2.489187%
M035	FLEMING COUNTY LIBRARY	6,664	0.005778%
M037	FRANKLIN CO BD OF ED	456,617	0.395922%
M038	HICKMAN/FULTON RIV PRT AU	12,694	0.011007%
M039	GALLATIN CO WATER DIS	11,821	0.010249%
M040	GARRARD CO PUBLIC LIBRARY	7,491	0.006495%
M041	GRANT CO BD OF ED	210,919	0.182884%
M042	CITY OF MAYFIELD	41,544	0.036022%
M043	CITY OF CANEYVILLE	2,898	0.002513%
M044	GREEN/TAYLOR WATER DIST	19,571	0.016970%
M045	CITY OF FLATWOODS	52,800	0.045782%
M046	CITY OF LEWISPORT	29,587	0.025654%
M047	HARDIN CO PUBLIC LIBRARY	13,378	0.011599%
M048	CITY OF BENHAM	5,675	0.004920%
M049	HARRISON CO CONSERVA DIST	2,931	0.002541%
M050	HART CO CONSERVATION DIST	1,893	0.001641%
M051	HENDERSON CO BD OF ED	446,316	0.386991%
M052	HENRY CO LIBRARY	6,600	0.005722%
M054	CITY OF DAWSON SPRINGS	23,040	0.019978%
M056	JEFF CO MED CTR STM & CHL	49,041	0.042523%
M057	NICH-VLE/JESS CO PK & REC	14,757	0.012795%
M058	CITY OF PAINTSVILLE	116,745	0.101227%
M059	KENTON COUNTY FISCAL CT	419,848	0.364042%
M060	CITY OF HINDMAN	2,514	0.002180%
M061	KNOX CO E M S	60,622	0.052564%
M062	LARUE CO WATER DIST #1	9,682	0.008395%
M064	HOUSING AUTH/ LAWRENCE CO	7,051	0.006114%
M065	LEE CO SOIL CONSERV DIST	1,576	0.001366%
M067	JENKINS BD OF ED	21,880	0.018972%
M068	CITY OF VANCEBURG	17,403	0.015090%
M069	CITY OF STANFORD	7,726	0.006699%
M070	LEDBETTER WATER DISTRICT	10,659	0.009242%
M073	W MCCRACKEN CO WATER DIST	2,634	0.002284%
M075	CITY OF SACRAMENTO	8,166	0.007081%
M076	CITY OF RICHMOND	226,722	0.196586%
M077	MAGOFFIN CO COURT CLERK	9,643	0.008362%

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Kentucky Public Pensions Authority
Schedule A - Schedule of Employer Allocations
Fiscal Year Ended June 30, 2022

County Employees Retirement System (Non-Hazardous)

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Employer Code	Participating Participating Employer Name	2022 Employer Contributions	2022 Proportionate Share
(1)	(2)	(3)	(4)
M078	LEBANON WATER WORKS	31,265	0.027109%
M079	MARSHALL CO REF DISP DIST	27,950	0.024235%
M081	CITY OF MAYSVILLE	148,327	0.128611%
M082	CITY OF BRANDENBURG	22,081	0.019146%
M084	MERCER CO BOARD OF ED	150,306	0.130327%
M085	CITY OF EDMONTON	34,118	0.029583%
M087	MT STERL/MONTGOMERY LIB	14,536	0.012604%
M088	MORGAN CO CONSERVAT DIST	1,367	0.001185%
M090	BARDSTOWN BD OF ED	214,839	0.186282%
M091	NICHOLAS CO WATER DIST	5,987	0.005191%
M092	CITY OF BEAVER DAM	35,478	0.030762%
M093	OLDHAM CO WATER DIST	50,824	0.044068%
M096	CITY OF FALMOUTH	36,939	0.032029%
M097	E KY CONCEN EMPLOY PRO	97,084	0.084179%
M098	PIKE CO HOUSING AUTHORITY	8,384	0.007270%
M099	BEECH FORK WATER COMM	14,693	0.012740%
M100	PULASKI CO BD OF ED	479,611	0.415860%
M104	RUSSELL CO PUBLIC LIBRARY	10,313	0.008943%
M105	SCOTT COUNTY LIBRARY	40,094	0.034765%
M106	SHELBY CO BD OF ED	424,409	0.367996%
M107	FRANKLIN ELECTRIC PLNT BD	58,474	0.050701%
M108	SPENCER CO PUBLIC LIB	10,287	0.008919%
M109	CITY OF CAMPBELLSVILLE	98,516	0.085421%
M110	CITY OF GUTHRIE	20,003	0.017344%
M111	TRIGG CO CONS DISTRICT	1,598	0.001386%
M112	CITY OF MILTON	12,348	0.010707%
M113	CITY OF STURGIS	25,165	0.021820%
M115	WASHINGTON CO LIBRARY BD	6,585	0.005710%
M116	WAYNE CO PUBLIC LIBRARY	8,274	0.007174%
M117	WEBSTER CO BD OF ED	143,677	0.124579%
M118	WHITLEY CO FISCAL COURT	194,781	0.168890%
M119	WOLFE CO FISCAL COURT	61,448	0.053281%
M120	WOODFORD COUNTY LIBRARY	22,014	0.019088%
M215	SHEPHER/BULLITT CO TOURIST	21,692	0.018809%
M315	CITY OF PIONEER VILLAGE	2,046	0.001774%
M356	MIDDLETOWN FIRE PROT DIST	-	0.000000%
M415	BULLITT CO SANITATION DIS	13,912	0.012063%
N001	ADAIR CO CONSERVATION DIS	4,181	0.003625%
N006	HOUSING AUTH OWINGSVILLE	3,884	0.003368%
N007	PINEVILLE BD OF EDUCATION	25,777	0.022350%
N008	CITY OF FLORENCE	210,415	0.182446%
N009	CITY OF MILLERSBURG	2,074	0.001798%
N010	BOYD CO PUBLIC LIBRARY	28,910	0.025067%
N011	CITY OF PERRYVILLE	1,134	0.000983%
N012	CITY OF BROOKSVILLE	11,281	0.009782%

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Fiscal Year Ended June 30, 2022

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(1)	(2)	(3)	(4)
N013	MIDDLE KY COMM ACT PART	95,505	0.082810%
N014	CITY OF IRVINGTON	7,891	0.006842%
N015	BULLITT CO CONSERVAT DIST	1,378	0.001195%
N017	PRINCETON ELECTRIC PL BD	58,778	0.050965%
N018	MURRAY/CALLOWAY CO AIRPRT	1,932	0.001675%
N020	CARLISLE CO SANIT DIST 1	3,613	0.003133%
N021	CARROLLTON UTILITIES COMM	65,330	0.056647%
N022	CITY OF GRAYSON	13,928	0.012076%
N025	EAST CLARK CO WATER DIST	13,601	0.011793%
N029	CUMBERLAND CO PUBLIC LIB	4,971	0.004310%
N033	ESTILL CO WATER DIST NO 1	13,758	0.011929%
N035	HOUSING AUTH FLEMINGSBURG	1,842	0.001597%
N036	PRESTONSBURG CITY UTIL	109,651	0.095076%
N037	FRANKFORT INDEP SCHOOLS	60,417	0.052387%
N038	HOUSING AUTH OF HICKMAN	7,809	0.006771%
N041	BULLOCK PEN WATER DIST	33,133	0.028729%
N042	PURCHASE AREA DEV DIST	86,583	0.075075%
N043	GRAYSON CO LIBRARY	9,446	0.008190%
N044	HOUSING AUTH OF GREENSBUR	-	0.000000%
N045	KENTUCKY ED DEV CORP	35,126	0.030457%
N047	ELIZABETHTOWN BD OF EDUC	120,966	0.104887%
N049	CYNTHIANA HARRISON CO JPC	4,061	0.003521%
N050	CITY OF HORSE CAVE	17,617	0.015275%
N051	CITY OF HENDERSON	315,863	0.273878%
N052	CITY OF NEW CASTLE	6,568	0.005695%
N054	CITY OF MADISONVILLE	406,122	0.352140%
N057	NICHOLASVILLE HOUSING AUT	2,618	0.002270%
N058	JOHNSON CO LIBRARY	12,245	0.010617%
N060	KNOTT CO WATER & SEWER	25,516	0.022124%
N061	KNOX CO SOIL CONSERV DIS	1,567	0.001359%
N063	CUMBERLAND VAL AREA DEV	42,198	0.036589%
N065	THREE FORKS REG JAIL	49,453	0.042879%
N067	HOUSING ORIENTED MINISTRI	17,177	0.014894%
N068	GAR,QUI,KY-O-HTS WTR DIST	9,519	0.008253%
N069	CITY OF CRAB ORCHARD	1,868	0.001619%
N071	CITY OF AUBURN	16,398	0.014218%
N072	LYON CO AMBULANCE SERVICE	29,282	0.025390%
N075	CITY OF ISLAND	5,381	0.004665%
N076	MADISON CO EMS	3,731	0.003235%
N077	MAGOFFIN CO WATER DIST	15,328	0.013290%
N078	CENTRAL KY COMM ACTION	272,030	0.235872%
N079	BENTON ELECTRIC SYSTEM	34,802	0.030176%
N080	MARTIN CO WATER DISTRICT	-	0.000000%
N081	BUFFALO TRACE AR DEV DIST	66,095	0.057310%
N082	MEADE CO WATER DISTRICT	19,832	0.017196%

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(1)	(2)	(3)	(4)
N084	MERCER CO PUBLIC LIBRARY	17,272	0.014977%
N085	METCALFE CO CONSERV DIST	1,312	0.001138%
N087	CITY OF MT STERLING	44,352	0.038457%
N088	MORGAN CO AMBULANCE SERV	14,866	0.012890%
N089	MUHLENBERG CO WATER DIST	30,990	0.026871%
N090	BARDSTOWN-NELSON CO TOURI	9,316	0.008078%
N092	CITY OF HARTFORD	31,801	0.027574%
N093	CITY OF LAGRANGE	30,192	0.026179%
N094	CITY OF OWENTON	3,312	0.002872%
N097	KY VALLEY ED COOPERATIVE	5,870	0.005090%
N098	PIKE CO LIBRARY DISTRICT	36,651	0.031779%
N099	CITY OF CLAY CITY	10,560	0.009157%
N100	CITY OF BURNSIDE	11,183	0.009697%
N103	HOUSING AUTH OF MOREHEAD	15,426	0.013376%
N104	CITY OF JAMESTOWN	47,482	0.041171%
N106	W SHELBY WATER DISTRICT	10,150	0.008801%
N107	SIMPSON CO CONSER DIST	1,196	0.001037%
N110	LOGAN/TODD REG. WATER COM	25,380	0.022007%
N111	BARKLEY LAKE WATER DIST	29,141	0.025267%
N112	TRIMBLE CO WATER DIST	5,657	0.004905%
N113	UNION CO LIBRARY BD	10,867	0.009423%
N114	BOWLING GRN MUNICIPAL UTI	596,606	0.517305%
N115	WASHINGTON CO CONSER DIST	1,328	0.001151%
N116	MONTICELLO UTILITY COMM	51,949	0.045044%
N117	CITY OF DIXON	4,086	0.003543%
N118	CITY OF WILLIAMSBURG	98,853	0.085714%
N119	WOLFE CO CONSER DISTRICT	1,836	0.001592%
N120	WOODFORD CO PLAN ZONING	11,449	0.009927%
N959	N KY CONV & VISITORS BUR	27,345	0.023711%
P001	HOUSING AUTH OF COLUMBIA	3,896	0.003378%
P005	GLASGOW ELECTRIC PLANT BD	170,444	0.147788%
P006	BATH COUNTY E.M.S.	19,795	0.017164%
P007	CITY OF PINEVILLE	13,977	0.012119%
P008	BOONE CO PLANNING COMM	43,181	0.037441%
P009	HOUSING AUTHORITY PARIS	8,302	0.007198%
P010	REGIONAL PUBLIC SAFETY	33,210	0.028795%
P011	CITY OF JUNCTION CITY	6,126	0.005311%
P013	CITY OF JACKSON	58,715	0.050910%
P014	BRECKINRIDGE CO PUBLIC LI	10,708	0.009285%
P015	CITY OF LEBANON JUNCTION	11,348	0.009839%
P017	PRINCETON WATER/WASTEWATE	29,640	0.025700%
P018	MURRAY/CALLOWAY TRANS AUT	17,090	0.014818%
P022	RATTLESNAKE RIDGE WATER	27,405	0.023763%
P023	LIBERTY TOURISM	1,965	0.001704%
P025	CLARK CO CONSVATION DIST	1,003	0.000869%

The accompanying notes are an integral part of these schedules.

Kentucky Public Pensions Authority
Schedule A - Schedule of Employer Allocations
Fiscal Year Ended June 30, 2022

County Employees Retirement System (Non-Hazardous)

Employers are presented in order by assigned employer reporting code. There are separate schedules for Non-Hazardous and Hazardous and as such reporting employers may appear on multiple schedules.

Employer Code	Participating Participating Employer Name	2022 Employer Contributions	2022 Proportionate Share
(1)	(2)	(3)	(4)
P033	ESTILL COUNTY EMS	-	0.000000%
P035	FLEMING CO DISPATCH	8,139	0.007058%
P037	COMMUNITY ACTION KENTUCKY	32,848	0.028482%
P038	HICKMAN ELECTRIC SYSTEM	17,090	0.014818%
P041	CITY OF DRY RIDGE	12,257	0.010627%
P043	CITY OF CLARKSON	7,301	0.006331%
P045	GREENUP CO ENVIR COMM	6,061	0.005256%
P047	CITY OF WEST POINT	6,358	0.005513%
P048	HARLAN COUNTY C A A	55,941	0.048505%
P049	HOUSING AUTHORITY OF CYNT	16,965	0.014710%
P050	HART CO SOLID WASTE SVC	34,148	0.029609%
P051	HENDERSON MUN POWER&LIGHT	157,571	0.136626%
P052	LITTLE KY RV WS CONV DIST	2,769	0.002401%
P054	HOUSING AUTH DAWSON SPG	11,817	0.010246%
P057	VALLEY VIEW FERRY AUTHORI	6,846	0.005936%
P061	BARBOURVILLE UTILITY COMM	112,701	0.097720%
P063	LAUREL CO WATER DIST #2	34,559	0.029966%
P068	LEWIS CO PUBLIC LIBRARY	4,127	0.003578%
P069	LINCOLN CO CLERK	18,273	0.015844%
P071	LOGAN CO CONS DISTRICT	3,847	0.003336%
P072	LYON CO WATER DISTRICT	6,098	0.005288%
P075	MCLEAN CO REG WATER COMM	9,775	0.008476%
P076	MADISON CO PUBLIC LIBRARY	47,815	0.041459%
P077	SALYERS/MAG CO JOINT HOUS	5,500	0.004769%
P078	MARION CO CONSERVAT DIST	1,306	0.001132%
P079	CITY OF CALVERT CITY	55,053	0.047735%
P081	MASON COUNTY LIBRARY	6,662	0.005776%
P084	ANDERSON-DEAN COMM PARK	2,244	0.001945%
P087	MONTGOMERY CTY WATER DIST	2,379	0.002063%
P088	MORGAN CO WATER DIST	12,683	0.010997%
P089	MUHLENBERG WATER DIST #3	11,541	0.010007%
P090	NORTH NELSON WATER DIST	9,157	0.007940%
P092	OHIO CO REG WASTEWATER D	10,862	0.009418%
P097	KY RIVER AREA DEV DIST	65,941	0.057176%
P100	LAKE CUMBERLAND CAA, INC	172,703	0.149747%
P103	MOREHEAD TOURISM COMMISSI	10,659	0.009242%
P104	RUSSELL CO TOURIST COMM	2,819	0.002444%
P105	GEORGETOWN/SCOTT TOURISM	5,490	0.004760%
P106	MULTI PURPOSE COMM ACTION	16,874	0.014631%
P107	SIMPSON CO LIBRARY DIST	8,948	0.007759%
P110	TODD COUNTY CONSERVATION DISTRICT	1,908	0.001655%
P111	JOHN L STREET LIBRARY	4,640	0.004023%
P113	STURGIS HOUSING AUTHORITY	2,608	0.002261%
P115	HOUSING AUTH SPRINGFIELD	3,694	0.003203%
P116	CITY OF MONTICELLO	17,770	0.015408%

The accompanying notes are an integral part of these schedules.

Kentucky Public Pensions Authority
Schedule A - Schedule of Employer Allocations
Fiscal Year Ended June 30, 2022

County Employees Retirement System (Non-Hazardous)

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Employer Code	Participating Participating Employer Name	2022 Employer Contributions	2022 Proportionate Share
(1)	(2)	(3)	(4)
P117	CITY OF CLAY	14,289	0.012389%
P120	WOODFORD CO CONSERV DIST	3,074	0.002666%
P959	CITY OF CRESTVIEW HILLS	10,522	0.009124%
R003	SOUTH ANDERSON WATER DIST	10,580	0.009174%
R005	BARREN CO SOIL CONS DIS	1,345	0.001166%
R008	BOONE CO LIBRARY DIST	134,595	0.116705%
R010	ASHLAND BD OF ED	196,678	0.170536%
R011	DANVILLE BOYLE PLANNING	3,795	0.003290%
R013	BREATHITT COUNTY WATER DISTRICT	8,302	0.007198%
R015	CITY OF SHEPHERDSVILLE	59,988	0.052015%
R017	CITY OF PRINCETON	23,280	0.020185%
R018	MURRAY ELECTRIC SYSTEM	118,894	0.103090%
R019	FORT THOMAS BOARD OF ED	144,696	0.125462%
R021	CARROLLTON/CARR CO REC TR	2,266	0.001965%
R024	CHRISTIAN CO WATER DIST	25,240	0.021885%
R030	DAVIESS CO AIRPORT BD	10,044	0.008709%
R033	CITY OF RAVENNA	2,704	0.002344%
R034	LEXINGTON PUBLIC LIBRARY	219,291	0.190142%
R036	CITY OF PRESTONSBURG	116,214	0.100767%
R037	PAUL SAWYIER LIBRARY	47,665	0.041330%
R038	CITY OF FULTON	54,564	0.047311%
R041	CITY OF CRITTENDEN	4,376	0.003794%
R042	MAYFIELD ELEC & WATER SYS	173,046	0.150044%
R045	CITY OF RUSSELL	42,195	0.036586%
R047	LINCOLN TRAIL AREA DEV DI	66,093	0.057308%
R048	HARLAN CO CONSERV DIST	1,766	0.001531%
R050	HART CO AMB SERVICE	44,358	0.038462%
R051	HENDERSON MUN W & S DEPT	163,130	0.141446%
R052	CITY OF CAMPBELLSBURG	2,557	0.002217%
R054	SOUTH HOPKINS WATER DIST	11,585	0.010045%
R057	CITY OF WILMORE	41,266	0.035781%
R058	HOUSING AUTH OF PAINTSVLE	21,497	0.018639%
R061	KY COMM ECONOMIC OPPORT	322,663	0.279774%
R063	WOODCREEK WATER DISTRICT	98,630	0.085520%
R071	LOGAN CO PUBLIC LIBRARY	20,660	0.017914%
R072	LYON CO HOUSING AUTHORITY	10,954	0.009498%
R073	MCCRACKEN CO BD OF ED	410,934	0.356312%
R076	RICHMOND UTILITIES	138,638	0.120210%
R078	CITY OF LORETTO	1,061	0.000920%
R079	MARSHALL CO PUB LIBRARY	31,520	0.027331%
R088	CITY OF WEST LIBERTY	57,099	0.049509%
R089	CENTRAL CITY MUN WTR&SEWR	44,446	0.038538%
R090	NELSON CO PUBLIC LIBRARY	46,602	0.040408%
R093	TRI CO COMM ACTION AGENCY	11,355	0.009846%
R097	PERRY COUNTY PUBLIC LIB	24,417	0.021171%

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Kentucky Public Pensions Authority
Schedule A - Schedule of Employer Allocations
Fiscal Year Ended June 30, 2022

County Employees Retirement System (Non-Hazardous)

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Employer Code	Participating Participating Employer Name	2022 Employer Contributions	2022 Proportionate Share
(1)	(2)	(3)	(4)
R103	ROWAN CO PUBLIC LIBRARY	16,947	0.014694%
R104	CITY OF RUSSELL SPRINGS	43,276	0.037524%
R105	CITY OF STAMPING GROUND	972	0.000843%
R106	SHELBY CO PARK RECREATION	19,399	0.016821%
R109	TAYLOR CO PUBLIC LIBRARY	12,312	0.010675%
R114	BOWLING GREEN PUBLIC SCHO	276,039	0.239347%
R115	S W E D A	2,752	0.002386%
R116	WAYNE CO CONSERV DIST	2,455	0.002129%
R117	WEBSTER COUNTY WATER DIST	17,648	0.015302%
R118	WILLIAMSBURG IND BD OF ED	43,519	0.037734%
R120	CITY OF MIDWAY	13,513	0.011717%
R959	N KY LEGAL AID SOCIETY	119,764	0.103845%
T036	FLOYD COUNTY CONSV DIST	4,399	0.003814%
V001	ADAIR COUNTY FISCAL COURT	92,285	0.080018%
V002	ALLEN COUNTY FISCAL COURT	100,699	0.087314%
V003	ANDERSON CO FISCAL COURT	138,495	0.120086%
V004	BALLARD COUNTY FISCAL CT	107,604	0.093301%
V005	BARREN CO FISCAL CT	74,453	0.064557%
V006	BATH CO FISCAL COURT	58,732	0.050925%
V007	BELL CO FISCAL CT	95,363	0.082688%
V008	BOONE CO FISCAL CT	455,989	0.395379%
V009	BOURBON CO FISCAL COURT	110,569	0.095872%
V010	BOYD COUNTY FISCAL COURT	334,456	0.289999%
V011	BOYLE COUNTY FISCAL COURT	145,441	0.126109%
V012	BRACKEN CO FISCAL COURT	59,939	0.051972%
V013	BREATHITT CO FISCAL COURT	60,222	0.052217%
V014	BRECKINRIDGE CO FISCAL CT	107,942	0.093595%
V016	BUTLER COUNTY FISCAL CT	96,305	0.083504%
V017	CALDWELL CO FISCAL COURT	63,769	0.055293%
V018	CALLOWAY CO FISCAL COURT	169,969	0.147377%
V019	CAMPBELL CO FISCAL CT	359,481	0.311699%
V020	CARLISLE CO FISCAL COURT	47,747	0.041400%
V021	CARROLL CO FISCAL CT	122,773	0.106454%
V022	CARTER CO FISCAL CT	173,731	0.150639%
V023	CASEY CO FISCAL COURT	96,226	0.083436%
V024	CHRISTIAN CO FISCAL COURT	146,715	0.127213%
V025	CLARK COUNTY FISCAL COURT	147,072	0.127523%
V026	CLAY COUNTY FISCAL CT	211,538	0.183420%
V027	CLINTON CO FISCAL COURT	74,795	0.064853%
V028	CRITTENDEN CO FIS CT	96,975	0.084085%
V030	DAVISS CO FISCAL COURT	282,069	0.244576%
V031	EDMONSON CO FISCAL CRT	79,990	0.069358%
V032	ELLIOTT CO FISCAL CT	35,996	0.031211%
V033	ESTILL CO FISCAL COURT	90,186	0.078198%
V035	FLEMING CO FISCAL COURT	54,792	0.047509%

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Kentucky Public Pensions Authority
Schedule A - Schedule of Employer Allocations
Fiscal Year Ended June 30, 2022

County Employees Retirement System (Non-Hazardous)

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Employer Code	Participating Participating Employer Name	2022 Employer Contributions	2022 Proportionate Share
(1)	(2)	(3)	(4)
V036	FLOYD CO FISCAL COURT	171,983	0.149123%
V037	FRANKLIN CO FISCAL COURT	229,177	0.198715%
V038	FULTON COUNTY FIS CT	119,327	0.103466%
V039	GALLATIN CO FISCAL COURT	94,782	0.082184%
V040	GARRARD CO FISCAL COURT	102,770	0.089109%
V041	GRANT COUNTY FISCAL COURT	141,964	0.123094%
V042	GRAVES COUNTY FISCAL CT	179,542	0.155677%
V043	GRAYSON CO FISCAL COURT	203,987	0.176873%
V044	GREEN COUNTY FISCAL COURT	34,753	0.030134%
V045	GREENUP CO FISCAL CT	196,865	0.170698%
V046	HANCOCK CO FISCAL COURT	101,240	0.087783%
V047	HARDIN CO FISCAL COURT	153,120	0.132767%
V048	HARLAN CO FIS CT	155,374	0.134721%
V049	HARRISON CO FISCAL COURT	61,792	0.053579%
V050	HART COUNTY FISCAL COURT	117,220	0.101639%
V051	HENDERSON CO FISCAL COURT	276,596	0.239830%
V052	HENRY CO FISCAL COURT	52,604	0.045612%
V053	HICKMAN CO FISCAL COURT	47,933	0.041561%
V054	HOPKINS CO FISCAL COURT	197,816	0.171522%
V055	JACKSON CO FISCAL COURT	113,816	0.098688%
V057	JESSAMINE CO FISCAL COURT	269,675	0.233829%
V060	KNOTT CO FISCAL CT	72,207	0.062609%
V061	KNOX CO FISCAL CT	161,281	0.139844%
V062	LARUE CO FISCAL COURT	96,411	0.083596%
V063	LAUREL COUNTY FISCAL COUR	287,532	0.249313%
V064	LAWRENCE CO FISCAL CT	111,205	0.096423%
V065	LEE COUNTY FISCAL COURT	88,285	0.076550%
V066	LESLIE CO FISCAL COURT	111,406	0.096597%
V067	LETCHER CO FISCAL COURT	94,060	0.081557%
V068	LEWIS COUNTY FISCAL COURT	71,250	0.061779%
V069	LINCOLN CO FISCAL COURT	67,101	0.058181%
V070	LIVINGSTON CO FISCAL CT	89,487	0.077592%
V071	LOGAN COUNTY FISCAL COURT	169,253	0.146756%
V072	LYON COUNTY FISCAL COURT	41,869	0.036304%
V073	MCCRACKEN CO FISCAL COURT	160,447	0.139120%
V074	MCCREARY CO FISCAL CT	125,770	0.109053%
V075	MCLEAN COUNTY FISCAL CT	85,663	0.074277%
V076	MADISON CO FISCAL COURT	243,836	0.211425%
V077	MAGOFFIN CO FISCAL COURT	55,461	0.048089%
V078	MARION CO FISCAL COURT	211,481	0.183371%
V079	MARSHALL CO FISCAL COURT	176,733	0.153241%
V080	MARTIN CO FISCAL COURT	69,314	0.060101%
V081	MASON CO FIS CT	137,943	0.119607%
V082	MEADE COUNTY FISCAL COURT	262,763	0.227836%
V083	MENIFEE CO FISCAL COURT	39,685	0.034410%

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Kentucky Public Pensions Authority
Schedule A - Schedule of Employer Allocations
Fiscal Year Ended June 30, 2022

County Employees Retirement System (Non-Hazardous)

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Employer Code	Participating Participating Employer Name	2022 Employer Contributions	2022 Proportionate Share
(1)	(2)	(3)	(4)
V084	MERCER COUNTY FISCAL COUR	86,922	0.075368%
V085	METCALFE CO FISCAL COURT	47,261	0.040979%
V086	MONROE CO FISCAL COURT	42,165	0.036561%
V087	MONTGOMERY CO FISCAL CT	156,934	0.136074%
V088	MORGAN CO FISCAL CT	68,021	0.058979%
V089	MUHLENBERG CO FISCAL CT	218,447	0.189410%
V090	NELSON CO FISCAL CT	285,668	0.247696%
V091	NICHOLAS CO FISCAL COURT	65,721	0.056986%
V092	OHIO COUNTY FISCAL CRT	135,403	0.117405%
V093	OLDHAM CO FISCAL COURT	194,273	0.168450%
V094	OWEN COUNTY FISCAL COURT	93,163	0.080780%
V095	OWSLEY CO FISCAL COURT	33,502	0.029049%
V096	PENDLETON CO FISCAL COURT	62,913	0.054550%
V097	PERRY COUNTY FISCAL COURT	174,752	0.151524%
V098	PIKE COUNTY FISCAL COURT	357,185	0.309708%
V099	POWELL CO FISCAL CT	147,420	0.127824%
V100	PULASKI CO FISCAL CT	316,476	0.274409%
V101	ROBERTSON CO FISCAL CT	20,317	0.017616%
V102	ROCKCASTLE CO FISCAL CT	113,176	0.098132%
V103	ROWAN CO FISCAL COURT	181,393	0.157282%
V104	RUSSELL CO FISCAL COURT	123,314	0.106923%
V105	SCOTT CO FISCAL CT	183,782	0.159354%
V106	SHELBY CO FISCAL COURT	154,351	0.133834%
V107	SIMPSON CO FISCAL COURT	125,667	0.108963%
V108	SPENCER CO TREASURER	63,816	0.055334%
V109	TAYLOR COUNTY FISCAL COUR	129,007	0.111859%
V110	TODD COUNTY FISCAL COURT	85,089	0.073779%
V111	TRIGG COUNTY FISCAL COURT	97,185	0.084267%
V112	TRIMBLE CO FISCAL COURT	55,931	0.048497%
V113	UNION COUNTY FISCAL COURT	126,009	0.109260%
V114	WARREN COUNTY FISCAL COUR	388,076	0.336492%
V115	WASHINGTON CO FIS COURT	77,395	0.067107%
V116	WAYNE COUNTY FISCAL COURT	190,190	0.164910%
V117	WEBSTER CO FISCAL COURT	110,847	0.096113%
V119	CITY OF HIGHLAND HEIGHTS	23,380	0.020273%
V120	WOODFORD CO FISCAL COURT	123,720	0.107275%
V122	FAMILY HEALTH CENTER	762,697	0.661318%
V125	LOUISVILLE MEM COMM	6,125	0.005311%
V126	LOU & JEFF CO RIVERPORT	3,753	0.003254%
V127	LOU LABOR MANAGER COM	2,820	0.002445%
V129	T A R C	1,345,835	1.166945%
V130	ANCHORAGE BD OF EDUCATION	37,557	0.032565%
V136	MOUNTAIN ARTS CENTER	-	0.000000%
V137	FRANKLIN CO CONS DIST	2,070	0.001795%
V145	CITY OF WURLAND	3,803	0.003298%

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Schedule A - Schedule of Employer Allocations
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(1)	(2)	(3)	(4)
V147	HARDIN CO WATER DIST #2	169,806	0.147235%
V151	HOUSING AUTH OF HENDERSON	45,659	0.039590%
V156	JEFF CO BD OF ED	8,976,282	7.783140%
V158	BIG SANDY AREA COMM PRO	82,117	0.071202%
V159	CITY OF ERLANGER	78,391	0.067971%
V163	EAST BERNSTADT BD OF ED	16,776	0.014546%
V171	CITY OF ADAIRVILLE	7,736	0.006708%
V176	MADISON CO CONSERVAT DIST	1,710	0.001482%
V179	MARSHALL CO SEN CITIZENS	-	0.000000%
V189	CITY OF CENTRAL CITY	62,019	0.053775%
V196	CITY OF BUTLER	1,932	0.001675%
V197	CITY OF HAZARD	155,501	0.134832%
V198	MOUNTAIN WATER DISTRICT	90,933	0.078846%
V200	PULASKI COUNTY LIBRARY	22,062	0.019129%
V205	BARREN/METCALFE CO AMB SR	7,152	0.006202%
V206	SHELBYVLE MUN WATER&SEWER	61,376	0.053218%
V207	BELL CO PUBLIC LIBRARY	11,780	0.010214%
V208	CITY OF WALTON	19,148	0.016603%
V218	MURRAY TOURISM COMMISSION	3,990	0.003460%
V219	BELLEVUE BD OF EDUCATION	47,523	0.041206%
V224	PENNYROYAL AREA MUSEUM	1,961	0.001701%
V230	OWENSBORO RIVERPORT AUTH	112,814	0.097819%
V236	BIG SANDY AREA DEV DIST	91,909	0.079693%
V237	BLUE GRASS COMM ACTION	239,173	0.207382%
V247	HARDIN CO WATER DIST #1	162,619	0.141004%
V251	HENDERSON CO RIVER AUTH	32,657	0.028316%
V259	KENTON CO PUBLIC LIBRARY	215,177	0.186576%
V263	LAUREL CO BD OF EDUCATION	406,314	0.352306%
V271	RUSSELLVILLE ELEC PL BD	55,638	0.048242%
V281	HOUSING AUTH OF MAYSVILLE	17,286	0.014989%
V298	CITY OF PIKEVILLE	146,898	0.127373%
V300	HOUSING AUTH OF SOMERSET	19,987	0.017331%
V305	CITY OF CAVE CITY	25,993	0.022538%
V306	HOUSING AUTH OF SHELBYVLE	4,296	0.003725%
V308	NORTHERN KY AREA DEV.DIST	132,478	0.114869%
V319	CAMPBELL CO BD OF ED	364,163	0.315758%
V324	CHRISTIAN CO CONS DIST	1,980	0.001717%
V330	CITY OF OWENSBORO	480,531	0.416659%
V336	SANDY VALLEY TRANS SER IN	89,292	0.077423%
V337	FRANKFORT ELEC WATER BD	645,725	0.559894%
V347	CITY OF RADCLIFF	94,880	0.082269%
V359	CITY OF ELSMERE	23,587	0.020452%
V363	LONDON LAUREL CO COMM CTR	32,510	0.028189%
V373	PADUCAH MCCRACKEN CO TOUR	13,744	0.011917%
V376	CITY OF BERA	196,198	0.170119%

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Kentucky Public Pensions Authority
Schedule A - Schedule of Employer Allocations
Fiscal Year Ended June 30, 2022

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(1)	(2)	(3)	(4)
V398	CITY OF ELKHORN CITY	4,718	0.004091%
V400	PULASKI CO SOIL CONS DIST	4,542	0.003939%
V405	MARY W WELDON MEM PUB LIB	10,499	0.009104%
V407	BELL/WHITLEY COMM ACTION	125,544	0.108856%
V408	UNION EMERGENCY SERVICES	3,286	0.002849%
V419	DAYTON CITY SCHOOLS	56,158	0.048693%
V424	PENNYRILE ALLIED COMM SER	184,348	0.159845%
V430	OWENSBORO MUN UTILITIES	593,900	0.514958%
V436	APPALACHIAN RES & DEFENSE	100,446	0.087095%
V437	FKT/FKLN CO TOUR&CONV COM	4,964	0.004304%
V447	CITY OF ELIZABETHTOWN	350,364	0.303794%
V459	LUDLOW BD OF EDUCATION	26,958	0.023375%
V463	LONDON LAUREL TOURIST COM	6,754	0.005856%
V473	PADUCAH POWER SYSTEM	258,791	0.224392%
V476	KY RIVER FOOTHILLS DEV CO	243,076	0.210766%
V500	WEST PULASKI WATER DISTR	23,616	0.020477%
V505	CITY OF PARK CITY	1,646	0.001427%
V507	BELL CO SOLID WASTE OFFIC	6,634	0.005753%
V508	CITY OF UNION	6,991	0.006062%
V524	HOPKINSVL WATER ENV ATH	194,997	0.169077%
V530	AUDUBON AREA COMM SER INC	715,254	0.620181%
V537	CAPITAL COMMUNITY E I D A	4,170	0.003616%
V547	ELIZABETHTOWN TOUR/CON BU	8,994	0.007798%
V559	BEECHWOOD BOARD OF EDUC	54,656	0.047391%
V563	LONDON-LAUREL CO IDA	4,483	0.003887%
V576	SOUTHERN MADISON WATER DT	12,619	0.010942%
V607	PINEVILLE UTILITY COMM	48,042	0.041656%
V608	WALTON FIRE DIST/EMS	838	0.000727%
V619	SOUTHGATE BD OF ED	12,251	0.010623%
V624	HOPKINSVL ELECTRIC SYSTEM	171,175	0.148422%
V630	CITY OF WHITESVILLE	6,595	0.005719%
V637	FARMDALE WATER DISTRICT	5,410	0.004691%
V647	CITY OF VINE GROVE	27,695	0.024013%
V659	KENTON CO BD OF ED	793,955	0.688422%
V663	LAUREL CO CONSERV DIST	2,471	0.002143%
V673	PADUCAH-MCCRACKEN CO JOIN	64,103	0.055582%
V676	MADISON CO UTILITIES DIST	25,918	0.022473%
V707	BELL CO CONSERVATION DIST	720	0.000624%
V708	HEBRON FIRE PROTECTION DI	3,218	0.002790%
V719	SILVER GROVE BD OF ED	-	0.000000%
V724	PENNYRILE AREA DEVP DIST	73,140	0.063418%
V730	GREEN RIV AREA DEL DIST	103,042	0.089346%
V737	KY ASSOC OF CO (KACO)	163,328	0.141618%
V756	JEFF CO MED CENTER LAUNDR	94,666	0.082083%
V759	ERLANGER/ELSMERE BD OF ED	151,518	0.131378%

The accompanying notes are an integral part of these schedules.

Kentucky Public Pensions Authority
Schedule A - Schedule of Employer Allocations
Fiscal Year Ended June 30, 2022

County Employees Retirement System (Non-Hazardous)

Employers are presented in order by assigned employer reporting code. There are separate schedules for Non-Hazardous and Hazardous and as such reporting employers may appear on multiple schedules.

Employer Code	Participating Participating Employer Name	2022 Employer Contributions	2022 Proportionate Share
(1)	(2)	(3)	(4)
V773	MCCRACKEN CO PUB LIBRARY	43,419	0.037648%
V808	POINT PLEASANT FIRE DIST	5	0.000005%
V819	NEWPORT BD OF ED	140,193	0.121558%
V830	REGIONAL WTR RESOURCE AGY	225,765	0.195756%
V856	KYIANA REG PLANNING DEV	173,179	0.150160%
V859	COVINGTON BD OF ED	381,380	0.330686%
V873	PADUCAH-MCRACKEN CO RIV	19,646	0.017035%
V919	CITY OF WILDER	10,540	0.009139%
V930	OWENSBORO METRO PLAN COMM	29,786	0.025827%
V937	HOUSING AUTH OF FRANKFORT	25,293	0.021931%
V959	CITY OF COVINGTON	355,528	0.308271%
W001	ADAIR COUNTY ATTORNEY	4,649	0.004031%
W003	ANDERSON COUNTY ATTORNEY	2,612	0.002265%
W004	BALLARD COUNTY ATTORNEY	3,382	0.002932%
W010	BOYD COUNTY ATTORNEY	8,709	0.007552%
W011	BOYLE COUNTY ATTORNEY	3,670	0.003182%
W013	BREATHITT CO ATTORNEY	1,257	0.001090%
W015	BULLITT COUNTY ATTORNEY	15,668	0.013585%
W016	BUTLER COUNTY ATTORNEY	2,709	0.002349%
W017	CALDWELL COUNTY ATTORNEY	4,317	0.003743%
W018	CALLOWAY COUNTY ATTORNEY	8,897	0.007715%
W019	CAMPBELL COUNTY ATTORNEY	21,549	0.018685%
W020	CARLISLE COUNTY ATTORNEY	-	0.000000%
W021	CARROLL COUNTY ATTORNEY	1,183	0.001026%
W022	CHILD SUPPORT ENFORCEMENT	3,157	0.002737%
W024	CHRISTIAN COUNTY ATTORNEY	15,271	0.013242%
W026	CLAY COUNTY ATTORNEY	5,850	0.005072%
W027	CLINTON CO ATTORNEY	3,408	0.002955%
W029	CUMBERLAND CO ATTORNEY	2,310	0.002003%
W031	EDMONSON COUNTY ATTORNEY	1,251	0.001085%
W032	ELLIOTT COUNTY ATTORNEY	2,460	0.002133%
W033	ESTILL COUNTY ATTORNEY	4,438	0.003848%
W035	FLEMING COUNTY ATTORNEY	7,872	0.006826%
W036	FLOYD COUNTY ATTORNEY	7,657	0.006639%
W039	GALLATIN COUNTY ATTORNEY	-	0.000000%
W041	GRANT COUNTY CHILD SUPPOR	3,290	0.002852%
W043	GRAYSON COUNTY ATTORNEY	4,097	0.003553%
W044	GREEN COUNTY ATTORNEY	2,194	0.001902%
W045	GREENUP CO ATTY/CHILD SUP	-	0.000000%
W047	HARDIN COUNTY ATTORNEY	27,307	0.023677%
W048	HARLAN COUNTY ATTORNEY	11,213	0.009723%
W050	HART COUNTY ATTORNEY	7,439	0.006450%
W051	HENDERSON CO ATTORNEY	10,089	0.008748%
W052	HENRY COUNTY ATTORNEY	1,691	0.001467%
W055	JACKSON COUNTY ATTORNEY	3,500	0.003034%

The accompanying notes are an integral part of these schedules.

Kentucky Public Pensions Authority
Schedule A - Schedule of Employer Allocations
Fiscal Year Ended June 30, 2022

County Employees Retirement System (Non-Hazardous)

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Employer Code	Participating Participating Employer Name	2022 Employer Contributions	2022 Proportionate Share
(1)	(2)	(3)	(4)
W056	JEFFERSON CO ATTORNEY	201,260	0.174508%
W058	JOHNSON CO ATTORNEY	6,623	0.005742%
W060	KNOTT COUNTY ATTORNEY	4,320	0.003746%
W061	KNOX COUNTY ATTORNEY	8,178	0.007091%
W063	LAUREL COUNTY ATTORNEY	15,306	0.013272%
W064	LAWRENCE COUNTY ATTORNEY	2,656	0.002303%
W066	LESLIE COUNTY ATTORNEY	3,378	0.002929%
W067	LETCHER COUNTY ATTORNEY	6,056	0.005251%
W069	LINCOLN COUNTY ATTORNEY	5,440	0.004717%
W070	LIVINGSTON CO ATTORNEY	2,809	0.002436%
W071	LOGAN COUNTY ATTORNEY	109	0.000095%
W073	MCCRACKEN COUNTY ATTORNEY	1,915	0.001660%
W075	MCLEAN COUNTY ATTORNEY	639	0.000554%
W076	MADISON COUNTY ATTORNEY	3,039	0.002635%
W077	MAGOFFIN CO ATTORNEY	1,441	0.001249%
W078	MARION COUNTY ATTORNEY	2,041	0.001770%
W079	MARSHALL COUNTY ATTORNEY	1,480	0.001283%
W080	MARTIN COUNTY ATTORNEY	5,050	0.004379%
W082	MEADE COUNTY ATTORNEY	3,601	0.003122%
W083	MENIFEE COUNTY ATTORNEY	1,844	0.001599%
W084	MERCER COUNTY ATTORNEY	4,701	0.004076%
W085	METCALFE COUNTY ATTORNEY	3,661	0.003174%
W087	MONTGOMERY CO ATTORNEY	417	0.000362%
W090	NELSON COUNTY ATTORNEY	10,877	0.009431%
W091	NICHOLAS COUNTY ATTORNEY	1,836	0.001592%
W092	OHIO COUNTY ATTORNEY	183	0.000158%
W095	OWSLEY COUNTY ATTORNEY	2,444	0.002120%
W096	PENDLETON COUNTY ATTORNEY	3,824	0.003316%
W097	PERRY COUNTY ATTORNEY	10,995	0.009533%
W098	PIKE COUNTY ATTORNEY	20,828	0.018059%
W099	POWELL COUNTY ATTORNEY	5,200	0.004508%
W103	ROWAN COUNTY ATTORNEY	2,407	0.002087%
W104	RUSSELL COUNTY ATTORNEY	5,754	0.004989%
W105	SCOTT COUNTY ATTORNEY	-	0.000000%
W106	SHELBY COUNTY ATTORNEY	2,283	0.001979%
W107	SIMPSON COUNTY ATTORNEY	1,873	0.001624%
W109	TAYLOR COUNTY ATTORNEY	5,875	0.005094%
W110	TODD COUNTY ATTORNEY	-	0.000000%
W113	UNION COUNTY ATTORNEY	473	0.000410%
W114	WARREN CO ATTY/CHILD SUPP	21,971	0.019051%
W115	WASHINGTON CO ATTORNEY	2,384	0.002067%
W118	WHITLEY COUNTY ATTORNEY	-	0.000000%
W119	WOLFE COUNTY ATTORNEY	2,684	0.002327%
W120	WOODFORD COUNTY ATTORNEY	5,570	0.004830%
X030	OWENSBORO DAVIESS CO TOUR	14,367	0.012457%

The accompanying notes are an integral part of these schedules.

Kentucky Public Pensions Authority
 Schedule A - Schedule of Employer Allocations
 Fiscal Year Ended June 30, 2022

County Employees Retirement System (Non-Hazardous)

Employers are presented in order by assigned employer reporting code. There are separate schedules for Non-Hazardous and Hazardous and as such reporting employers may appear on multiple schedules.

Employer Code	Participating Participating Employer Name	2022 Employer Contributions	2022 Proportionate Share
(1)	(2)	(3)	(4)
X034	FAYETTE CO ATTORNEY OFF	59,612	0.051688%
X059	KENTON COUNTY ATTORNEY	30,971	0.026855%
X105	GEORGETOWN WATER & SEWER	148,634	0.128878%
X956	LOU FIREFIGHTERS PENS FUN	8,148	0.007065%
TOTAL		115,329,772	100.000000%

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KPPA Board Meeting - Joint Audit Committee Report and Recommendations

Kentucky Public Pensions Authority
 Schedule B - Schedule of OPEB Amounts by Employer
 Fiscal Year Ended June 30, 2022
 (Continued)

Employer	2022 Schedule of OPEB Amounts by Employer										2021 Schedule of OPEB Amounts by Employer										2020 Schedule of OPEB Amounts by Employer									
	2022 Schedule of OPEB Amounts by Employer					2021 Schedule of OPEB Amounts by Employer					2020 Schedule of OPEB Amounts by Employer					2020 Schedule of OPEB Amounts by Employer					2020 Schedule of OPEB Amounts by Employer									
	Employer	2022	2021	2020	2019	2018	Employer	2021	2020	2019	2018	2017	Employer	2020	2019	2018	2017	2016	Employer	2020	2019	2018	2017	2016	Employer	2020	2019	2018	2017	2016
001	1,491,412	1,712,013	1,712,013	1,712,013	1,712,013	1,712,013	1,491,412	1,712,013	1,712,013	1,712,013	1,712,013	1,491,412	1,712,013	1,712,013	1,712,013	1,712,013	1,712,013	1,712,013	1,491,412	1,712,013	1,712,013	1,712,013	1,712,013	1,491,412	1,712,013	1,712,013	1,712,013	1,712,013	1,712,013	

The accompanying notes are an integral part of these schedules.

Kentucky Public Pensions Authority Schedule
A - Schedule of Employer Allocations
Fiscal Year Ended June 30, 2022

County Employees Retirement System (Hazardous)

Employers are presented in order by assigned employer reporting code. There are separate schedules for Non-Hazardous and Hazardous and as such reporting employers may appear on multiple schedules.

Employer Code	Participating Participating Employer Name	2022 Employer Contributions	2022 Proportionate Share
(1)	(2)	(3)	(4)
39932	JEFFERSON CO SHERIFF	546,153	0.960141%
39934	KENTON CO SHERIFF	126,381	0.222179%
39936	CAMPBELL CO SHERIFF	5,123	0.009007%
39938	FAYETTE CO SHERIFF	219,643	0.386134%
39940	DAVISS CO SHERIFF	170,599	0.299914%
39944	HARDIN COUNTY SHERIFF	116,982	0.205655%
39946	WARREN COUNTY SHERIFF	188,045	0.330585%
39948	BOONE COUNTY SHERIFF	836,134	1.469929%
39952	MADISON COUNTY SHERIFF	100,033	0.175858%
39962	BULLITT CO SHERIFF	134,440	0.236346%
A156	CITY OF ANCHORAGE	7,785	0.013686%
AB19	BELLEVUE/DAYTON FIRE	115,290	0.202681%
AC19	CAMPBELL CO FIRE DIST 1	49,401	0.086847%
AD19	SOUTHERN CAMPBELL F DIST	43,777	0.076960%
AS02	ALLEN CO AMBULANCE SVC	70,154	0.123332%
AS20	WOODFORD CO FIRE DISTRICT	25,657	0.045105%
B008	BURLINGTON FIRE PRO DIST	142,635	0.250754%
B015	CITY OF HILLVIEW	93,759	0.164828%
B045	CITY OF BELLEFONTE	19,725	0.034676%
B048	CITY OF HARLAN	3,897	0.006851%
B256	BUECHEL FIRE PROTECT DIST	209,122	0.367637%
B259	CITY OF LUDLOW	83,184	0.146238%
B456	ANCHORAGE MIDDLETOWN FIRE AND EMS	1,391,586	2.446417%
B656	LOUISVILLE AIRPORT AUTHOR	167,283	0.294085%
B956	LAKE DREAMLAND FIRE DIST	-	0.000000%
C106	CITY OF SIMPSONVILLE	37,532	0.065982%
C156	FAIRDALE FIRE DISTRICT	88,054	0.154799%
C256	LOUISVILLE/JEFF CO METRO	14,744,696	25.921270%
C356	INDIAN HILLS POLICE DEPT	18,256	0.032095%
D024	CITY OF PEMBROKE	-	0.000000%
D071	CITY OF LEWISBURG	4,527	0.007959%
D098	CITY OF COAL RUN VILLAGE	13,132	0.023085%
D106	SIMPSONVILLE RURAL FIRE	45,904	0.080700%
G015	ZONETON FIRE PROT DIST	94,976	0.166969%
GS06	SHELBY CO SUB FIRE DIST	6,869	0.012075%
J002	CITY OF SCOTTSVILLE	58,700	0.103194%
J003	CITY OF LAWRENCEBURG	72,324	0.127146%
J007	CITY OF MIDDLESBORO	214,725	0.377488%
J024	CITY OF HOPKINSVILLE	811,256	1.426193%
J037	CITY OF FRANKFORT	807,709	1.419958%
J040	CITY OF LANCASTER	23,117	0.040640%
J059	KENTON COUNTY AIRPORT BD	724,444	1.273577%
J063	CITY OF LONDON	204,127	0.358857%
J067	CITY OF WHITESBURG	37,845	0.066532%
J084	CITY OF HARRODSBURG	32,390	0.056942%
J090	CITY OF BARDSTOWN	187,805	0.330162%
J100	CITY OF SOMERSET	569,258	1.000759%

The accompanying notes are an integral part of these schedules.

Kentucky Public Pensions Authority Schedule
A - Schedule of Employer Allocations
Fiscal Year Ended June 30, 2022

County Employees Retirement System (Hazardous)

Employers are presented in order by assigned employer reporting code. There are separate schedules for Non-Hazardous and Hazardous and as such reporting employers may appear on multiple schedules.

Employer Code	Participating Participating Employer Name	2022 Employer Contributions	2022 Proportionate Share
(1)	(2)	(3)	(4)
J113	CITY OF MORGANFIELD	16,267	0.028598%
J118	CITY OF CORBIN	164,453	0.289109%
J156	CITY OF JEFFERSONTOWN	407,631	0.716618%
J210	BOYD CO AMBULANCE SERVICE	202,464	0.355933%
J256	CITY OF ST MATTHEWS	179,073	0.314812%
J259	CITY OF PARK HILLS	23,049	0.040519%
J319	CITY OF ALEXANDRIA	84,476	0.148510%
J324	CITY OF OAK GROVE	77,476	0.136204%
J356	CITY OF WEST BUECHEL	31,260	0.054956%
J359	CITY OF FORT WRIGHT	143,969	0.253099%
J410	CANNONSBURG VOL FIRE DEPT	6,530	0.011480%
J419	CITY OF COLD SPRING	48,662	0.085547%
J456	CITY OF SHIVELY	376,951	0.662682%
J510	CITY OF CATLETTSBURG	47,332	0.083210%
J619	CITY OF FORT THOMAS	360,339	0.633478%
J719	CITY OF SOUTHGATE	10,630	0.018688%
J756	CITY OF PROSPECT	11,130	0.019566%
J819	CITY OF BELLEVUE	58,669	0.103141%
J859	CITY OF VILLA HILLS	59,659	0.104881%
J919	CITY OF DAYTON	54,561	0.095919%
J956	OKOLONA FIRE DISTRICT	372,882	0.655528%
J959	CITY OF INDEPENDENCE	156,093	0.274413%
K001	CITY OF COLUMBIA	56,792	0.099841%
K010	CITY OF ASHLAND	652,533	1.147157%
K011	CITY OF DANVILLE	299,472	0.526473%
K016	CITY OF MORGANTOWN	28,155	0.049497%
K018	CITY OF MURRAY	300,133	0.527635%
K019	CITY OF NEWPORT	559,681	0.983923%
K026	CITY OF MANCHESTER	39,998	0.070316%
K029	CITY OF BURKESVILLE	24,080	0.042332%
K034	LEX/FAYETTE URBAN CO GOVT	1,277,825	2.246424%
K041	CITY OF WILLIAMSTOWN	40,401	0.071025%
K043	CITY OF LEITCHFIELD	92,058	0.161839%
K049	CITY OF CYNTHIANA	129,172	0.227086%
K065	CITY OF BEATTYVILLE	21,222	0.037308%
K071	CITY OF RUSSELLVILLE	134,842	0.237053%
K078	CITY OF LEBANON	67,960	0.119475%
K079	CITY OF BENTON	43,812	0.077022%
K090	NELSON COUNTY BD OF ED	-	0.000000%
K091	CITY OF CARLISLE	2,787	0.004900%
K099	CITY OF STANTON	41,889	0.073642%
K103	CITY OF MOREHEAD	89,665	0.157631%
K105	CITY OF GEORGETOWN	618,065	1.086562%
K106	CITY OF SHELBYVILLE	268,671	0.472326%
K108	CITY OF TAYLORSVILLE	12,874	0.022632%
K111	CITY OF CADIZ	28,515	0.050130%
K114	CITY OF BOWLING GREEN	1,505,212	2.646173%
K115	CITY OF SPRINGFIELD	39,610	0.069634%

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Kentucky Public Pensions Authority Schedule
A - Schedule of Employer Allocations
Fiscal Year Ended June 30, 2022

County Employees Retirement System (Hazardous)

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Employer Code	Participating Participating Employer Name	2022 Employer Contributions	2022 Proportionate Share
(1)	(2)	(3)	(4)
K120	CITY OF VERSAILLES	245,240	0.431134%
K256	JEFFERSONTOWN FIRE DIST	520,220	0.914549%
K315	MT WASHINGTON FIRE P DIST	90,913	0.159825%
K356	ST MATTHEWS FIRE DIST.	614,057	1.079516%
K414	CITY OF SMITHS GROVE	10,194	0.017921%
K419	ALEXANDRIA FIRE DISTRICT	107,434	0.188870%
K456	CAMP TAYLOR FIRE PRO DIST	4,160	0.007314%
K559	CITY OF TAYLOR MILL	101,702	0.178793%
K656	MCMAHAN FIRE PRO DIST 14	-	0.000000%
K659	CITY OF EDGEWOOD	163,458	0.287361%
K719	CENTRAL CAMPBELL CO FIRE	152,299	0.267743%
K759	LAKESIDE/CRESTVIEWHLS POL	73,741	0.129637%
K856	HIGHVIEW FIRE DISTRICT	143,444	0.252176%
K859	CITY OF FORT MITCHELL	169,649	0.298244%
L001	ADAIR CO AMBULANCE SER	68,719	0.120809%
L005	CITY OF GLASGOW	338,316	0.594761%
L009	CITY OF PARIS	99,479	0.174885%
L015	CITY OF MT WASHINGTON	118,981	0.209169%
L025	CITY OF WINCHESTER	436,506	0.767381%
L031	EDMONSON CO AMBULANCE DIS	20,331	0.035743%
L035	CITY OF FLEMINGSBURG	23,703	0.041670%
L039	CITY OF WARSAW	19,939	0.035053%
L044	GREEN CO AMBULANCE SVC	28,226	0.049621%
L050	CITY OF MUNFORDVILLE	15,654	0.027520%
L052	CITY OF EMINENCE	35,276	0.062015%
L057	CITY OF NICHOLASVILLE	632,371	1.111712%
L061	CITY OF BARBOURVILLE	22,395	0.039371%
L072	CITY OF EDDYVILLE	15,382	0.027042%
L073	CITY OF PADUCAH	894,026	1.571704%
L077	CITY OF SALYERSVILLE	22,004	0.038683%
L086	CITY OF TOMPKINSVILLE	27,432	0.048226%
L090	CITY OF NEW HAVEN	1,929	0.003392%
L107	CITY OF FRANKLIN	103,816	0.182509%
L108	SPENCER CO FIRE DIST	12,475	0.021931%
L110	CITY OF ELKTON	9,710	0.017070%
L159	ELSMERE FIRE PROTECTION	67,216	0.118166%
L356	EASTWOOD FIRE PROT DIST	-	0.000000%
L456	HARRODS CREEK FIRE DIST	-	0.000000%
L556	LYNDON FIRE PROTECT DIST	-	0.000000%
L656	FERN CREEK FIRE PROT DIST	244,071	0.429078%
L756	PLEASURE RIDGE PARK FIRE	554,956	0.975617%
L956	WORTHINGTON FIRE DEPT	-	0.000000%
M014	CITY OF HARDINSBURG	16,463	0.028942%
M015	BULLITT CO FISCAL COURT	4,301	0.007561%
M022	CITY OF OLIVE HILL	27,684	0.048669%
M042	CITY OF MAYFIELD	289,633	0.509176%
M054	CITY OF DAWSON SPRINGS	20,331	0.035742%
M059	KENTON COUNTY FISCAL CT	266,651	0.468775%

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Kentucky Public Pensions Authority Schedule
A - Schedule of Employer Allocations
Fiscal Year Ended June 30, 2022

County Employees Retirement System (Hazardous)

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Employer Code	Participating Participating Employer Name	2022 Employer Contributions	2022 Proportionate Share
(1)	(2)	(3)	(4)
M069	CITY OF STANFORD	53,644	0.094306%
M076	CITY OF RICHMOND	647,961	1.139120%
M081	CITY OF MAYSVILLE	240,798	0.423325%
M082	CITY OF BRANDENBURG	19,155	0.033675%
M085	CITY OF EDMONTON	27,166	0.047758%
M096	CITY OF FALMOUTH	-	0.000000%
M109	CITY OF CAMPBELLSVILLE	112,948	0.198564%
M110	CITY OF GUTHRIE	-	0.000000%
M118	WHITLEY CO FISCAL COURT	15,221	0.026759%
M315	CITY OF PIONEER VILLAGE	24,189	0.042524%
M356	MIDDLETOWN FIRE PROT DIST	-	0.000000%
N008	CITY OF FLORENCE	884,355	1.554701%
N011	CITY OF PERRYVILLE	3,036	0.005337%
N012	CITY OF BROOKSVILLE	-	0.000000%
N014	CITY OF IRVINGTON	16,626	0.029228%
N022	CITY OF GRAYSON	69,962	0.122994%
N050	CITY OF HORSE CAVE	6,039	0.010616%
N051	CITY OF HENDERSON	575,059	1.010957%
N054	CITY OF MADISONVILLE	605,250	1.064034%
N076	MADISON CO EMS	243,438	0.427966%
N087	CITY OF MT STERLING	116,541	0.204880%
N088	MORGAN CO AMBULANCE SERV	15,076	0.026505%
N093	CITY OF LAGRANGE	58,674	0.103149%
N094	CITY OF OWENTON	13,796	0.024253%
N099	CITY OF CLAY CITY	-	0.000000%
N100	CITY OF BURNSIDE	13,612	0.023930%
N104	CITY OF JAMESTOWN	4,392	0.007721%
P007	CITY OF PINEVILLE	18,755	0.032971%
P015	CITY OF LEBANON JUNCTION	13,951	0.024525%
P033	ESTILL COUNTY EMS	59,375	0.104382%
P041	CITY OF DRY RIDGE	95,446	0.167795%
P043	CITY OF CLARKSON	3,822	0.006718%
P079	CITY OF CALVERT CITY	42,759	0.075170%
P093	SOUTH OLDHAM FIRE DEPT	83,819	0.147354%
P116	CITY OF MONTICELLO	33,291	0.058526%
P117	CITY OF CLAY	-	0.000000%
R015	CITY OF SHEPHERDSVILLE	412,536	0.725241%
R017	CITY OF PRINCETON	48,454	0.085182%
R045	CITY OF RUSSELL	75,360	0.132484%
R057	CITY OF WILMORE	39,378	0.069226%
R104	CITY OF RUSSELL SPRINGS	36,163	0.063574%
R105	CITY OF STAMPING GROUND	3,919	0.006891%
TS59	INDEPENDENCE FIRE DIST	233,758	0.410948%
V001	ADAIR COUNTY FISCAL COURT	37,489	0.065905%
V002	ALLEN COUNTY FISCAL COURT	69,263	0.121765%
V003	ANDERSON CO FISCAL COURT	55,825	0.098141%
V005	BARREN CO FISCAL CT	150,262	0.264162%
V007	BELL CO FISCAL CT	29,308	0.051523%

The accompanying notes are an integral part of these schedules.

Kentucky Public Pensions Authority Schedule
A - Schedule of Employer Allocations
Fiscal Year Ended June 30, 2022

County Employees Retirement System (Hazardous)

Employers are presented in order by assigned employer reporting code. There are separate schedules for Non-Hazardous and Hazardous and as such reporting employers may appear on multiple schedules.

Employer Code	Participating Participating Employer Name	2022 Employer Contributions	2022 Proportionate Share
(1)	(2)	(3)	(4)
V008	BOONE CO FISCAL CT	213,121	0.374668%
V009	BOURBON CO FISCAL COURT	33,262	0.058475%
V011	BOYLE COUNTY FISCAL COURT	196,254	0.345016%
V012	BRACKEN CO FISCAL COURT	9,104	0.016005%
V013	BREATHITT CO FISCAL COURT	8,393	0.014755%
V014	BRECKINRIDGE CO FISCAL CT	33,787	0.059397%
V017	CALDWELL CO FISCAL COURT	35,581	0.062552%
V019	CAMPBELL CO FISCAL CT	207,324	0.364477%
V023	CASEY CO FISCAL COURT	23,382	0.041105%
V025	CLARK COUNTY FISCAL COURT	180,942	0.318098%
V030	DAVISS CO FISCAL COURT	374,163	0.657781%
V032	ELLIOTT CO FISCAL CT	13,542	0.023806%
V035	FLEMING CO FISCAL COURT	26,160	0.045989%
V037	FRANKLIN CO FISCAL COURT	412,886	0.725857%
V041	GRANT COUNTY FISCAL COURT	84,810	0.149097%
V043	GRAYSON CO FISCAL COURT	161,360	0.283672%
V047	HARDIN CO FISCAL COURT	370,809	0.651885%
V049	HARRISON CO FISCAL COURT	28,311	0.049770%
V052	HENRY CO FISCAL COURT	25,412	0.044675%
V054	HOPKINS CO FISCAL COURT	142,840	0.251114%
V057	JESSAMINE CO FISCAL COURT	327,775	0.576231%
V060	KNOTT CO FISCAL CT	14,619	0.025701%
V062	LARUE CO FISCAL COURT	17,499	0.030763%
V063	LAUREL COUNTY FISCAL COUR	21,511	0.037817%
V067	LETCHER CO FISCAL COURT	27,904	0.049055%
V070	LIVINGSTON CO FISCAL CT	25,895	0.045524%
V072	LYON COUNTY FISCAL COURT	15,166	0.026661%
V073	MCCRACKEN CO FISCAL COURT	409,884	0.720578%
V076	MADISON CO FISCAL COURT	80,948	0.142307%
V078	MARION CO FISCAL COURT	42,860	0.075349%
V079	MARSHALL CO FISCAL COURT	191,501	0.336660%
V081	MASON CO FIS CT	51,219	0.090044%
V083	MENIFEE CO FISCAL COURT	19,734	0.034692%
V087	MONTGOMERY CO FISCAL CT	62,642	0.110124%
V088	MORGAN CO FISCAL CT	3,837	0.006746%
V090	NELSON CO FISCAL CT	134,841	0.237052%
V093	OLDHAM CO FISCAL COURT	355,882	0.625643%
V094	OWEN COUNTY FISCAL COURT	14,217	0.024994%
V096	PENDLETON CO FISCAL COURT	20,264	0.035624%
V100	PULASKI CO FISCAL CT	312,893	0.550068%
V103	ROWAN CO FISCAL COURT	35,622	0.062623%
V105	SCOTT CO FISCAL CT	775,156	1.362730%
V106	SHELBY CO FISCAL COURT	311,592	0.547781%
V107	SIMPSON CO FISCAL COURT	62,933	0.110637%
V108	SPENCER CO TREASURER	79,998	0.140638%
V109	TAYLOR COUNTY FISCAL COUR	44,752	0.078675%
V112	TRIMBLE CO FISCAL COURT	8,244	0.014494%
V113	UNION COUNTY FISCAL COURT	21,012	0.036940%

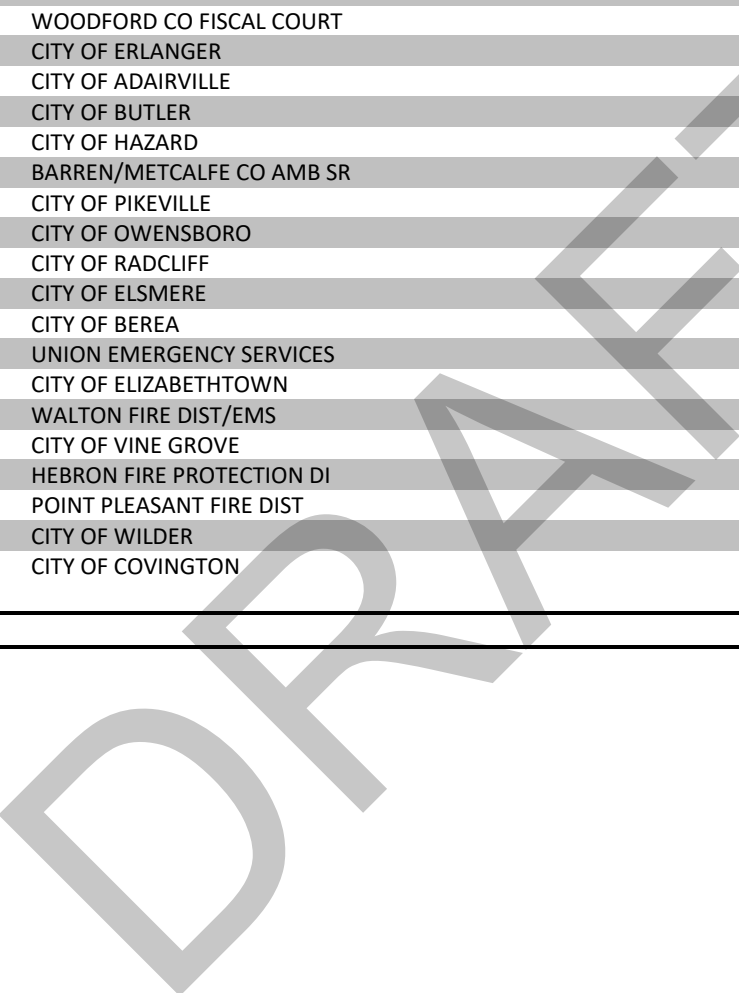
The accompanying notes are an integral part of these schedules.

Kentucky Public Pensions Authority Schedule
A - Schedule of Employer Allocations
Fiscal Year Ended June 30, 2022

County Employees Retirement System (Hazardous)

Employers are presented in order by assigned employer reporting code. There are separate schedules for Non-Hazardous and Hazardous and as such reporting employers may appear on multiple schedules.

Employer Code	Participating Participating Employer Name	2022 Employer Contributions	2022 Proportionate Share
(1)	(2)	(3)	(4)
V115	WASHINGTON CO FIS COURT	33,395	0.058709%
V119	CITY OF HIGHLAND HEIGHTS	53,628	0.094279%
V120	WOODFORD CO FISCAL COURT	92,661	0.162899%
V159	CITY OF ERLANGER	396,059	0.696274%
V171	CITY OF ADAIRVILLE	-	0.000000%
V196	CITY OF BUTLER	4,611	0.008106%
V197	CITY OF HAZARD	5,688	0.009999%
V205	BARREN/METCALFE CO AMB SR	184,654	0.324623%
V298	CITY OF PIKEVILLE	76,093	0.133773%
V330	CITY OF OWENSBORO	1,077,162	1.893658%
V347	CITY OF RADCLIFF	298,378	0.524550%
V359	CITY OF ELSMERE	75,597	0.132900%
V376	CITY OF BERA	200,647	0.352738%
V408	UNION EMERGENCY SERVICES	191,816	0.337213%
V447	CITY OF ELIZABETHTOWN	575,384	1.011530%
V608	WALTON FIRE DIST/EMS	156,685	0.275453%
V647	CITY OF VINE GROVE	30,325	0.053312%
V708	HEBRON FIRE PROTECTION DI	279,917	0.492096%
V808	POINT PLEASANT FIRE DIST	78,249	0.137562%
V919	CITY OF WILDER	128,406	0.225738%
V959	CITY OF COVINGTON	1,793,639	3.153228%
TOTAL		56,882,615	100.000000%



Kentucky Public Pensions Authority
Notes to Schedules of Employer Allocations and OPEB Amounts by Employer
For the Fiscal Year Ended June 30, 2022
(Continued)

Kentucky Public Pensions Authority
Notes to the Schedules of Employer Allocations and OPEB Amounts by Employer
For the Fiscal Year Ended June 30, 2022

Organization

Under the provisions of Kentucky Revised Statute Section 78.782 and 61.645 the Kentucky Public Pensions Authority (KPPA) oversees the administration and operation of the personnel and accounting systems for the CERS Nonhazardous, and Hazardous which are administered by the CERS Board, the KERS Nonhazardous and Hazardous, and State Police Retirement System (SPRS) which are administered by the Kentucky Retirement Systems Board (KRS). Although the assets of the plans are invested as a whole, each plan's assets are accounted for separately, invested according to plan-specific asset allocation goals, and are used only for the payment of benefits to the members of that plan and a pro rata share of administrative costs, in accordance with the provisions of Kentucky Revised Statute Sections 78.630, 61.570 and 16.555.

The KPPA Board is comprised of elected representatives from the CERS and KRS boards and appointed representatives from the Governor. The KPPA Board, as of December 7, 2022, is comprised of Jerry W. Powell, Chair, elected by CERS, selected by CERS Board Chair; C. Prewitt Lane, Vice Chair, Governor Appointee, KRS Investment Committee Chair; Betty Pendergrass, elected by CERS, CERS Board Chair; Dr. Merl Hackbart, Governor Appointee, CERS Investment Committee Chair; William O'Mara, Governor Appointee, selected by CERS Chair; Ellen Lynn Hampton, Governor Appointee, KRS Board Chair; Keith Peercy, elected by SPRS, selected by KRS Chair; and John Cheshire III, Governor Appointee, selected by KRS Chair.

The CERS Board and the KRS Board each have nine trustees. Three elected by the membership and six appointed by the Governor. For more information on the Boards and their makeup including bios for each trustee, please visit the KPPA website, kyret.ky.gov.

KERS Nonhazardous, KERS Hazardous, CERS Nonhazardous, and CERS Hazardous are cost-sharing multiple-employer other post employment benefits (OPEB) plans that cover all regular full-time members employed in nonhazardous and hazardous positions of any state department, board, agency, county, city, school board, and any additional eligible local agencies electing to participate. The plans provide for health insurance benefits to plan members. Retirement benefits may be extended to beneficiaries of plan members under certain circumstances.

SPRS is a single-employer defined benefit OPEB plan that covers all full-time state troopers employed in a hazardous duty position by the Kentucky State Police. The plan provides for health insurance benefits to plan members. OPEB may be extended to beneficiaries of plan members under certain circumstances. No schedule has been presented for SPRS, since it is a single-employer defined benefit OPEB plan.

Relationship to Combining Financial Statements

The accompanying schedules were reconciled to the KPPA's Combining Statement of Changes in Fiduciary Net Position – Insurance Fund in KPPA's Annual Comprehensive Financial Report (ACFR) for the fiscal year ended June 30, 2022, with the following difference. The 1% of pay member contributions for Tier 2 and Tier 3 members to a 401(h) subaccount on the Pension Funds are considered as an OPEB asset. As a result, the reported plan fiduciary net position for the Insurance Fund as of June 30, 2017, includes the 401(h) asset balance.

The components associated with OPEB expense and deferred outflows and inflows of resources have been

Kentucky Public Pensions Authority
Notes to Schedules of Employer Allocations and OPEB Amounts by Employer
For the Fiscal Year Ended June 30, 2022
(Continued)

determined based on the net increase in fiduciary net position as shown in the Combining Statement of Changes in Fiduciary Net Position and in accordance with requirements promulgated by Governmental Accounting Standards Board (GASB) Statements No. 74 and 75. The net OPEB liability at June 30, 2022, is reported in the Notes to Combining Financial Statements and Required Supplementary Information.

Measurement Focus, Basis of Accounting and Basis of Presentation

The accompanying Schedules were prepared in accordance with US generally accepted accounting principles as applicable to governmental organizations. In doing so, KPPA adheres to the reporting requirements established by GASB.

The CERS Nonhazardous, CERS Hazardous, KERS Nonhazardous, KERS Hazardous Insurance Funds are reported as OPEB trust funds, and are accounted for on the accrual basis of accounting. OPEB contributions are determined by the CERS and KRS Boards and required by the employers, and the employees' contributions are set by Kentucky Revised Statute 78.5536(3)(b)(1) and 61.702(3)(b)(1). KPPA recognized employer and employee contributions to the plans through June 30, 2022. OPEB expenses are recognized as the benefits come due for the CERS Nonhazardous, CERS Hazardous, KERS Nonhazardous, and KERS Hazardous Insurance Plans, which includes payments made to the Department of Employee Insurance (DEI), and Humana Inc. for OPEB costs incurred for the fiscal year ended June 30, 2022. KPPA contracts with DEI and Humana to administer the claims. DEI administers retiree claims for retirees who are non-Medicare eligible, and Humana administers retiree claims for members who are Medicare eligible. Since, 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.

The plans are charged administrative expenses based on the number of members and dependents electing an insurance policy provided by DEI or Humana, on a monthly basis. The administrative expenses are reported in KPPA's basic financial statements included in the ACFR for the Insurance Fund.

The Schedule of Employer Allocations reflects employer contributions received for the fiscal year ended June 30, 2022, and includes the following for each individual employer:

- employer contributing entity and reporting code;
- the amount of the employer contributing entity's contributions; and,
- the employer contributing entity's contributions as a percentage of total employer contributions, defined by this allocation.

The Employer Allocation Percentage has been rounded to six decimal places.

The components of the net OPEB liability of CERS and KERS for participating employers as of June 30, 2022, calculated in accordance with GASB Statement No. 74, are as follows (dollars in thousands):

	CERS Non-Hazardous	CERS Hazardous	KERS Non-Hazardous	KERS Hazardous	SPRS	Ins Total
Total OPEB Liability	\$ 5,053,498	\$ 2,374,457	\$ 3,576,530	\$ 595,789	\$ 351,453	\$ 11,951,727
Fiduciary Net Position	3,079,984	1,522,671	1,364,419	588,162	231,242	\$ 6,786,478
Net OPEB Liability	\$ 1,973,514	\$ 851,786	\$ 2,212,111	\$ 7,627	\$ 120,211	\$ 5,165,249

Net investment income represents realized and unrealized gains and losses based on the fair value of

Kentucky Public Pensions Authority
Notes to Schedules of Employer Allocations and OPEB Amounts by Employer
For the Fiscal Year Ended June 30, 2022
(Continued)

investments, interest, and dividends, net of investment expenses. Investment income/loss is allocated to each plan based on the plan's ownership in the respective investment account.

Actuarial Methods and Assumptions to Determine the Total OPEB Liability and the Net OPEB Liability

For financial reporting, the actuarial valuation as of June 30, 2022, was performed by Gabriel Roeder Smith (GRS). The total OPEB liability, net OPEB liability, and sensitivity information as of June 30, 2022, were based on an actuarial valuation date of June 30, 2021. The total OPEB liability was rolled-forward from the valuation date (June 30, 2021) to the plan's fiscal year ending June 30, 2022, using the generally accepted actuarial principles.

The following actuarial assumptions were used in performing the actuarial valuation as of June 30, 2022:

Inflation	2.30%
Payroll Growth Rate	2.0% for CERS Nonhazardous and CERS Hazardous 0.0% for KERS Nonhazardous and KERS Hazardous
Salary Increases	3.30% to 10.30%, varies by service for CERS Nonhazardous 3.55% to 19.05% varise by service for CERS Hazardous 3.30% to 15.30%, varies by service for KERS Nonhazardous 3.55% to 20.05%, varies by service for KERS Hazardous
Investment Rate of Return	6.25%
Healthcare Trend Rates	
Pre - 65	Initial trend starting at 6.20% at January 1, 2024, and gradually decreasing to an ultimate trend rate of 4.05% over a period of 13 years.
Post - 65	Initial trend starting at 9.00% in 2024, then gradually decreasing to an ultimate trer rate of 4.05% over a period of 13 years
Mortality	
Pre-retirement	PUB-2010 General Mortality table, for the Nonhazardous Systems, and the PUB-2010 Public Safety Mortality table for the Hazardous Systems, projected with the ultimate rates from the MP-2014 mortality improvement scale using a base year of 2010
Post-retirement (non-disabled)	System-specific mortality table based on mortality experience from 2013-2018, projected with the ultimate rates from MP-2014 mortality improvement scale using a base year of 2019
Post-retirement (disabled)	PUB-2010 Disabled Mortality table, with a 4-year set-forward for both male and female rates, projected with the ultimate rates from the MP-2014 mortality improvement scale using a base year of 2010

The single discount rates used to calculate the total OPEB liability within each plan changed since the prior year. The assumed increase in future health care costs, or trend assumption, was reviewed during the June 30, 2021, valuation process and was updated to better reflect the plan's anticipated long-term healthcare costs. There were no other material assumption changes.

Senate Bill 209 passed during the 2022 legislative session and increased the insurance dollar contribution for members hired on or after July 1, 2003, by \$5 for each year of service a member attains over certain thresholds, depending on a member's retirement eligibility requirement. This increase in the insurance dollar contribution does not increase by 1.5% annually and is only payable for non-Medicare retirees. Additionally, it is only payable when the member's applicable insurance fund is at least 90% funded. The increase is first payable January 1, 2023. Senate Bill 209 also allows members receiving the insurance dollar contribution to participate in a medical insurance reimbursement plan that would provide the reimbursement of premiums for health plans other than those administered by KPPA.

Kentucky Public Pensions Authority
Notes to Schedules of Employer Allocations and OPEB Amounts by Employer
For the Fiscal Year Ended June 30, 2022
(Continued)

The total OPEB liability as of June 30, 2022, is determined using these updated benefit provisions. There were no other material plan provision changes.

Discount Rate

Single discount rates of 5.70% for CERS Nonhazardous, 5.61% for CERS Hazardous, 5.72% for KERS Nonhazardous, and 5.59% for KERS Hazardous systems were used to measure the total OPEB liability as of June 30, 2022. 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 3.69%, as reported in Fidelity Index's "20-Year Municipal GO AA Index" as of June 30, 2022. Based on the stated assumptions and the projection of cash flows as of each fiscal year ending, each plan's fiduciary net position and future contributions were projected separately and were 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 plan. However, the cost associated with the implicit employer subsidy was not included in the calculation of the plans actuarially determined contributions, and any cost associated with the implicit subsidy will not be paid out of the plan trusts. Therefore, the municipal bond rate was applied to future expected benefit payments associated with the implicit subsidy. The target asset allocation and best estimates of arithmetic real rates of return for each major asset class are summarized in the ACFR.

The projection of cash flows used to determine the single discount rate must include an assumption regarding future employer contributions made each year. Future contributions are projected assuming that each participating employer in each insurance plan contributes the actuarially determined employer contribution each future year calculated in accordance with the current funding policy.

Basis of Accounting

The underlying financial information used to prepare allocation schedules is based on KPPA's combining financial statements. KPPA's combining financial statements for all plans are prepared using the accrual basis of accounting and are prepared in accordance with accounting principles generally accepted in the United State of America (GAAP) that apply to governmental accounting for fiduciary funds.

Use of Estimates in the Preparation of the Schedules

The preparation of the schedules in conformity with U.S. generally accepted accounting principles (GAAP) requires management to make estimates and assumptions that affect certain amounts and disclosures. KPPA accrues employer contributions using estimates based on historical data. Actual results could differ from those estimates.

Reconciliation of Employer Contributions

The reconciliation between the employer contributions used for the Schedule of Employer Allocations and the Combining Statements of Changes in Fiduciary Net Position as of June 30, 2022, are presented below (dollars in thousands):

Kentucky Public Pensions Authority
Notes to Schedules of Employer Allocations and OPEB Amounts by Employer
For the Fiscal Year Ended June 30, 2022
(Continued)

	CERS Non-Hazardous	CERS Hazardous	KERS Hazardous
Per GRS Schedule A	\$ 115,329,772	\$ 56,882,615	\$ -
Retired Reemployed	2,640,311	1,254,560	-
Other Employer Contributions	592,154	237,448	1,332
Write-Offs/Refunds	(11,663)	8	(19)
PC001 Adj for half 7/21pp reported at 6/21 rate			
KRS			
KTRS			
Total	\$ 118,550,575	\$ 58,374,631	\$ 1,313
Employer Contributions per Statement of Change in Fiduciary Net Position	\$ 118,550,575	\$ 58,374,631	\$ 1,313
	\$ -	\$ -	\$ -
	0.00%	0.00%	0.00%

***Other Employer Contributions**-contributions from prior period adjustments; omitted contributions/invoices; and, other ER invoice not sick leave.

The items listed above are included in the contributions on the Combining Statements of Changes in Fiduciary Net Position, but are not included in the Schedule A (GRS reports). The contributions per Schedule A (GRS reports) represents actual contributions made related to the measurement period.

Actuarial Methods and Assumptions used to determine the Actuarial Determined Contribution for the Fiscal Year 2022

The following actuarial methods and assumptions, were used to determine the actuarially determined

Kentucky Public Pensions Authority
Notes to Schedules of Employer Allocations and OPEB Amounts by Employer
For the Fiscal Year Ended June 30, 2022
(Continued)

contributions effective for fiscal year ending June 30, 2022:

Valuation Date	June 30, 2020
Experience Study	July 1, 2013 - June 30, 2018
Actuarial Cost Method	Entry Age Normal
Amortization Method	Level Percent of Pay
Remaining Amortization Period	30 years, closed period at June 30, 2019, <i>Gains/losses incurring after 2019 will be amortized over separate closed 20-year amortization bases</i>
Payroll Growth Rate	2.0% for CERS Nonhazardous and CERS Hazardous 0.0% for KERS Nonhazardous and KERS Hazardous
Asset Valuation Method	20% of the difference between the market value of assets and the expected actuarial value of assets is recognized
Inflation	2.30%
Salary Increases	3.30% to 10.30%, varies by service for CERS Nonhazardous 3.55% to 19.05% varies by service for CERS Hazardous 3.30% to 15.30% varies by service for KERS Nonhazardous Hazardous 3.55% to 20.05%, varies by service for KERS Hazardous
Investment Rate of Return	6.25%
Healthcare Trend Rates	
Pre - 65	Initial trend starting at 6.40% at January 1, 2022 and gradually decreasing to an ultimate trend rate of 4.05% over a period of 14 years. The 2021 premiums were known at the time of the valuation and were incorporated into the liability measurement.
Post - 65	Initial trend starting at 6.30% at January 1, 2023 and gradually decreasing to an ultimate trend rate of 4.05% over a period of 13 years. The 2021 premiums were known at the time of the valuation and were incorporated into the liability measurement. Additionally, Humana provided "Not to Exceed" 2022 Medicare premiums, which were incorporated and resulted in an assumed 2.90% increase in Medicare premiums at January 1, 2022.

Deferred Inflows and Outflows of Resources

The Deferred Inflows and Outflows of Resources, and OPEB Expense included in the Schedule of OPEB Amounts by Employer include only certain categories of deferred outflows of resources and deferred inflows of resources. These include differences between expected and actual experience, changes of assumptions and differences between projected and actual earnings on plan investments. The Schedule of OPEB Amounts by Employer does not include deferred outflows/inflows of resources for changes in the employer's proportionate share of contributions or employer contributions made subsequent to the measurement date. The net OPEB liability as of June 30, 2022, is based on the June 30, 2021, actuarial valuation rolled forward. Deferred outflows and inflows related to differences between projected and actual earnings on plan investments are amortized over a closed five-year period.

REPORT ON INTERNAL CONTROL OVER FINANCIAL REPORTING AND ON COMPLIANCE AND OTHER MATTERS BASED ON AN AUDIT OF FINANCIAL STATEMENTS PERFORMED IN ACCORDANCE WITH GOVERNMENT AUDITING STANDARDS

To the Members
Kentucky Public Pensions Authority
Frankfort, Kentucky

We have audited, in accordance with auditing standards generally accepted in the United States of America and the standards applicable to financial audits contained in Government Auditing Standards, issued by the Comptroller General of the United States, the schedules of employer allocations of the Kentucky Employees Retirement System – Nonhazardous Other Post Employee Benefit Plan (OPEB) (KERS Nonhazardous), Kentucky Employees Retirement System – Hazardous OPEB Plan (KERS Hazardous), County Employees Retirement System – OPEB Plan (CERS Nonhazardous) and County Employees Retirement System – Hazardous OPEB Plan (CERS Hazardous) as of and for the fiscal year ended June 30, 2022, and the related notes to the schedules. We have also audited the total for all entities of the columns titled net OPEB liability, total deferred outflows of resources, total deferred inflows of resources, and total OPEB expense (specified column totals) included in the accompanying schedules of OPEB amounts by employer of the KERS Nonhazardous, KERS Hazardous, CERS Nonhazardous, and CERS Hazardous OPEB Plans as of and for the fiscal year ended June 30, 2022, and have issued our report thereon dated **March 14, 2023**.

Internal Control over Financial Reporting

In planning and performing our audit of the schedule of employer allocations, we considered Kentucky Public Pension Authority's (KPPA) internal control over financial reporting (internal control) to determine the audit procedures that are appropriate in the circumstances for the purpose of expressing our opinion on the schedule of employer allocations, but not for the purpose of expressing an opinion on the effectiveness of KPPA's internal control. Accordingly, we do not express an opinion on the effectiveness of KPPA's internal control.

A *deficiency in internal control* exists when the design or operation of a control does not allow management or employees, in the normal course of performing their assigned functions, to prevent, or detect and correct misstatements on a timely basis. A *material weakness* is a deficiency, or a combination of deficiencies, in internal control, such that there is a reasonable possibility that a material misstatement of the entity's schedule of employer allocations will not be prevented, or detected and corrected, on a timely basis. A *significant deficiency* is a deficiency, or a combination of deficiencies, in internal control that is less severe than a material weakness yet important enough to merit attention by those charged with governance.

Our consideration of internal control was for the limited purpose described in the first paragraph of this section and was not designed to identify all deficiencies in internal control that might be material weaknesses or significant deficiencies. Given these limitations, during our audit we did not identify any deficiencies in internal control over financial reporting that we consider to be material weaknesses. However, material weaknesses may exist that have not been identified.

Compliance and Other Matters

As part of obtaining reasonable assurance about whether KPPA's schedule of employer allocations are free from material misstatement, we performed tests of its compliance with certain provisions of laws, regulations, contracts, and grant agreements, noncompliance with which could have a direct and material effect on the determination of schedule of employer allocations amounts. However, providing an opinion on compliance with those provisions was not an objective of our audit, and accordingly, we do not express such an opinion. The results of our tests disclosed no instances of noncompliance or other matters that are required to be reported under *Government Auditing Standards*.

Purpose of this Report

The purpose of this report is solely to describe the scope of our testing of internal control and compliance and the results of that testing, and not to provide an opinion on the effectiveness of the entity's internal control or on compliance. This report is an integral part of an audit performed in accordance with *Government Auditing Standards* in considering the entity's internal control and compliance. Accordingly, this communication is not suitable for any other purpose.

Blue & Co., LLC

Lexington, Kentucky

March 14, 2023


Combining Statement of Fiduciary Net Position - Pension Funds

As of December 31, 2022, with Comparative Totals as of December 31, 2021 (\$ in Thousands) (Unaudited)

ASSETS	CERS		KERS		SPRS	KPPA TOTAL		Percentage of Change	Note
	Nonhazardous	Hazardous	Nonhazardous	Hazardous		FY 2023	FY 2022		
CASH AND SHORT-TERM INVESTMENTS									
Cash Deposits	\$258	\$184	\$524	\$79	\$3	\$1,047	\$519	101.80%	1
Short-term Investments	193,160	73,916	566,373	68,790	133,331	1,035,570	1,010,503	2.48%	
Total Cash and Short-term Investments	193,418	74,100	566,897	68,869	133,334	1,036,618	1,011,022	2.53%	
RECEIVABLES									
Accounts Receivable	113,664	37,640	88,957	3,782	4,725	248,767	198,745	25.17%	2
Accounts Receivable - Investments	86,416	29,493	36,547	9,193	6,044	167,692	173,800	(3.51)%	
Total Receivables	200,080	67,132	125,503	12,975	10,769	416,459	372,545	11.79%	
INVESTMENTS, AT FAIR VALUE									
Core Fixed Income	780,009	290,115	618,428	102,814	109,208	1,900,574	2,253,214	(15.65)%	3
Public Equities	3,913,992	1,339,460	992,710	351,820	175,070	6,773,053	7,172,543	(5.57)%	
Private Equities	676,460	225,693	162,398	62,083	16,728	1,143,363	1,262,540	(9.44)%	
Specialty Credit	1,693,864	581,851	589,771	175,695	91,189	3,132,370	2,702,612	15.90%	4
Derivatives	(677)	(260)	89	(53)	11	(889)	(1,579)	(43.67)%	5
Real Return	256,221	84,857	66,617	23,536	9,770	441,001	966,300	(54.36)%	6
Opportunistic	-	-	-	-	-	-	446,879	(100.00)%	7
Real Estate	509,001	162,024	171,510	47,179	20,454	910,168	780,083	16.68%	8
Total Investments, at Fair Value	7,828,871	2,683,740	2,601,522	763,074	422,431	14,299,638	15,582,591	(8.23)%	
Securities Lending Collateral Invested	205,188	70,386	80,195	21,184	14,067	391,019	482,322	(18.93)%	9
CAPITAL/INTANGIBLE ASSETS									
Capital Assets	1,701	153	929	91	11	2,885	2,885	0.00%	
Intangible Assets	9,961	827	5,920	494	100	17,301	17,301	0.00%	
Accumulated Depreciation	(1,701)	(153)	(929)	(91)	(11)	(2,885)	(2,885)	0.00%	
Accumulated Amortization	(9,885)	(825)	(5,852)	(491)	(100)	(17,154)	(16,801)	2.10%	
Total Capital Assets	76	2	67	2	-	147	500	(70.59)%	
Total Assets	8,427,632	2,895,360	3,374,184	866,105	580,601	16,143,882	17,448,980	(7.48)%	
LIABILITIES									
Accounts Payable	4,573	872	2,173	364	31	8,012	6,019	33.10%	10
Investment Accounts Payable	50,717	18,074	26,107	5,794	5,082	105,774	326,878	(67.64)%	11
Securities Lending Collateral	205,188	70,386	80,195	21,184	14,067	391,019	482,322	(18.93)%	12
Total Liabilities	260,477	89,332	108,474	27,342	19,180	504,805	815,219	(38.08)%	
Total Fiduciary Net Position Restricted for Pension Benefits	\$8,167,155	\$2,806,027	\$3,265,710	\$838,763	\$561,421	\$15,639,076	\$16,633,761	(5.98)%	

NOTE - Variance Explanation Differences due to rounding

- Variance is a result of continuous fluctuation of deposits and transactions that flow through the cash account.
- The increase in Accounts Receivable is due to the ERCON Pension/Insurance split correction in CERS and CERH.
- The decrease in Core Fixed Income is due to a rebalance of the portfolio as a result of the revised IPS and a decline in fair value of the assets.
- The increase in Specialty Credit is due to the merging of the Specialty Credit asset class and the Opportunistic asset class.
- Variance is a result of hedging and arbitration of risk within the portfolios.
- The decrease in Real Return is a result of the redemption of Putnam and continued liquidation of hedge funds.
- The decrease in Opportunistic is a result of the merging of the Opportunistic asset class with the Specialty Credit asset class.
- The increase in Real Estate is due to additional funding and increasing fair values for current managers.
- The variance is a result of the demand of the Securities Lending Program.
- The variance in Accounts Payable is due to an Increase in outstanding employer credit invoices.
- The variance in Investment Accounts Payable is due to pending trades.
- The variance is a result of the demand of the Securities Lending Program.



Combining Statement of Changes In Fiduciary Net Position - Pension Funds

For the six month period ending December 31, 2022, with Comparative Totals for the six month period ending December 31, 2021 (\$ in Thousands) (Unaudited)

	CERS	CERS	KERS	KERS	SPRS	KPPA Total		Percentage of Change	Note
	Nonhazardous	Hazardous	Nonhazardous	Hazardous		FY 2023	FY 2022		
ADDITIONS									
Member Contributions	\$91,938	\$36,633	\$51,311	\$12,528	\$3,312	\$195,722	\$181,364	7.92%	
Employer Contributions	300,672	132,597	56,117	31,138	28,143	548,667	525,602	4.39%	
Actuarially Accrued Liability Contributions (AALC)	-	-	449,281	-	-	449,281	456,444	(1.57)%	
General Fund Appropriation	-	-	120,000	-	-	120,000	-	100.00%	1
Pension Spiking Contributions	28	35	6	28	-	97	70	38.62%	2
Health Insurance Contributions (HB1)	(10)	(11)	(5)	(2)	(3)	(31)	8	(503.73)%	3
Employer Cessation Contributions	-	-	-	-	-	-	50,464	(100.00)%	4
Total Contributions	392,628	169,254	676,710	43,692	31,452	1,313,736	1,213,952	8.22%	
INVESTMENT INCOME									
From Investing Activities									
Net Appreciation (Depreciation) in FV of Investments									
	92,123	31,246	(2,819)	7,641	2,019	130,210	572,474	(77.25)%	5
Interest/Dividends	110,258	38,214	46,136	12,139	8,234	214,980	219,050	(1.86)%	
Total Investing Activities Income	202,381	69,460	43,317	19,780	10,253	345,191	791,524		
Less: Investment Expense	23,843	7,974	6,834	2,265	1,009	41,925	36,241	15.68%	6
Less: Performance Fees	632	(58)	(508)	50	47	163	59,447	(99.73)%	7
Net Income from Investing Activities	177,906	61,544	36,991	17,465	9,197	303,103	695,836		
From Securities Lending Activities									
Securities Lending Income	3,693	1,290	1,238	362	210	6,794	506		
Less: Securities Lending Borrower Rebates (Income)/Expense	3,143	1,099	1,039	307	178	5,766	(848)		
Less: Securities Lending Agent Fees	82	29	30	8	5	154	203		
Net Income from Securities Lending	468	163	169	47	27	874	1,151	(24.03)%	8
Net Investment Income	178,374	61,706	37,160	17,512	9,224	303,977	696,987	(56.39)%	
Total Additions	571,002	230,960	713,870	61,205	40,676	1,617,713	1,910,939	(15.34)%	
DEDUCTIONS									
Benefit Payments	442,622	158,110	512,089	39,103	31,948	1,183,873	1,160,422	2.02%	
Refunds	12,175	2,747	6,265	1,859	92	23,138	20,716	11.69%	9
Administrative Expenses	11,396	1,003	6,548	716	141	19,805	18,731	5.74%	
Total Deductions	466,193	161,861	524,902	41,679	32,181	1,226,816	1,199,869	2.25%	
Net Increase (Decrease) in Fiduciary Net Position Restricted for Pension Benefits									
	104,809	69,100	188,968	19,526	8,495	390,897	711,070		
Total Fiduciary Net Position Restricted for Pension Benefits									
Beginning of Period	8,062,346	2,736,928	3,076,743	819,237	552,926	15,248,180	15,922,691	(4.24)%	
End of Period	\$8,167,155	\$2,806,027	\$3,265,710	\$838,763	\$561,421	\$15,639,076	\$16,633,761	(5.98)%	

NOTE - Variance Explanation

Differences due to rounding.

- 1) General Fund Appropriation 2nd Quarter (KERS only): HB1 \$67,500,000; HB604 \$52,500,000;
- 2) Pension Spiking contributions increased due to an increase in KERS Hazardous.
- 3) Health Insurance Contributions continue to fluctuate in the Pension accounts due to Tier 2 and Tier 3 retiree health insurance system costs as well as corrections being processed to previous fiscal years.
- 4) Employer Cessation payment received from Kentucky Housing Corporation FY2022.
- 5) The decrease in Net Appreciation in Fair Value of Investments is due to unfavorable market conditions resulting in realized and/or unrealized losses across all asset classes.

NOTE - Variance Explanation continued on next page.

6) *The increase in Investment Expense is a result of increased fair values in the Specialty Credit and Real Estate asset classes which have higher fees. While the over all fair value of assets have declined, that decline has largely been in the Public Equity and Core Fixed Income asset classes which have much lower manager fees.*

7) *The drop in performance fees is the result in less than favorable market conditions causing returns to drop, impacting those fees directly related to performance.*

8) *The variance is a result of the demand of the Securities Lending Program.*

9) *The increase in Refunds is due to an increase in refunds taken by members who terminated employment and were not eligible for a retirement benefit (CERS, CERH and KERS).*



Combining Statement of Fiduciary Net Position - Insurance Funds

As of December 31, 2022, with Comparative Totals as of December 31, 2021 (\$ in Thousands) (Unaudited)

ASSETS	CERS	CERS	KERS	KERS	SPRS	KPPA Total		Percentage of Change	Note
	Nonhazardous	Hazardous	Nonhazardous	Hazardous		FY 2023	FY 2022		
CASH AND SHORT-TERM INVESTMENTS									
Cash Deposits	\$61	\$41	\$80	\$42	\$46	\$270	\$257	4.96%	
Short-term Investments	80,808	38,087	171,185	24,365	8,574	323,019	553,551	(41.65)%	1
Total Cash and Short-term Investments	80,869	38,128	171,265	24,407	8,620	323,289	553,808	(41.62)%	
RECEIVABLES									
Accounts Receivable	12,111	4,063	12,928	405	878	30,386	41,303	(26.43)%	2
Investment Accounts Receivable	36,628	17,262	13,430	6,706	2,747	76,773	74,300	3.33%	
Total Receivables	48,739	21,325	26,358	7,112	3,625	107,159	115,602	(7.30)%	
INVESTMENTS, AT FAIR VALUE									
Core Fixed Income	328,191	143,627	152,627	66,862	26,238	717,546	837,027	(14.27)%	3
Public Equities	1,484,573	723,997	563,581	248,842	98,711	3,119,704	3,210,745	(2.84)%	
Private Equities	263,422	148,193	85,531	52,530	23,431	573,108	595,877	(3.82)%	
Specialty Credit	647,261	323,385	271,327	130,132	51,514	1,423,619	1,211,122	17.55%	4
Derivatives	(235)	(115)	(69)	14	(18)	(424)	(455)	(6.95)%	
Real Return	77,094	41,299	29,082	16,889	6,301	170,665	406,725	(58.04)%	5
Opportunistic	-	-	-	-	-	-	227,553	(100.00)%	6
Real Estate	176,269	96,628	55,391	40,587	15,525	384,400	330,413	16.34%	7
Total Investments, at Fair Value	2,976,575	1,477,015	1,157,471	555,856	221,702	6,388,618	6,819,008	(6.31)%	
Securities Lending Collateral Invested	67,088	33,314	29,006	12,743	5,054	147,205	195,485	(24.70)%	8
Total Assets	3,173,271	1,569,782	1,384,100	600,118	239,001	6,966,271	7,683,904	(9.34)%	
LIABILITIES									
Accounts Payable	45,716	11,623	136	8	1	57,484	398	14,342.41%	9
Investment Accounts Payable	19,538	8,739	9,413	3,601	1,528	42,820	136,183	(68.56)%	10
Securities Lending Collateral	67,088	33,314	29,006	12,743	5,054	147,205	195,485	(24.70)%	11
Total Liabilities	132,342	53,677	38,555	16,353	6,583	247,510	332,066	(25.46)%	
Total Fiduciary Net Position Restricted for OPEB	\$3,040,929	\$1,516,105	\$1,345,545	\$583,765	\$232,418	\$6,718,761	\$7,351,838	(8.61)%	

NOTE - Variance Explanation **Differences due to rounding**

- 1) Short term investments are primarily comprised of cash on hand at the custodial bank, the balance decline is the result of excess cash being invested.
- 2) The decrease in Accounts Receivable is due to a decrease in the member/employer month-end accrual due to the decreased insurance transfer rate for CERS and CERH.
- 3) The decrease in Core Fixed Income is due to a rebalance of the portfolio as a result of the revised IPS and a decline in market value of the assets due to the unfavorable market conditions.
- 4) The increase in Specialty Credit is due to the merging of the Specialty Credit asset class and the Opportunistic asset class.
- 5) The decrease in Real Return is a result of the redemption of Putnam and continued liquidation of hedge funds.
- 6) The decrease in Opportunistic is a result of the merging of the Opportunistic asset class with the Specialty Credit asset class.
- 7) The increase in Real Estate is due to additional funding and increasing market values for current managers.
- 8) Variance is a result of the demands of the Securities Lending Program.
- 9) The increase in Accounts Payable is primarily due to the ERCON Pension/Insurance split correction in CERS and CERH.
- 10) The variance in Investment Accounts Payable is due to pending trades.
- 11) Variance is a result of the demands of the Securities Lending Program.



Combining Statement of Changes In Fiduciary Net Position - Insurance Funds

For the six month period ending December 31, 2022, with Comparative Totals for the six month period ending December 31, 2021 (\$ In Thousands) (Unaudited)

	CERS Non-	CERS	KERS Non-	KERS	SPRS	KPPA Total		Percentage of Change	Note
	hazardous	Hazardous	hazardous	Hazardous		FY 2023	FY 2022		
ADDITIONS									
Employer Contributions	\$47,120	\$22,783	\$17,395	\$3	\$4,504	\$91,805	\$134,501	(31.74)%	1
Actuarially Accrued Liability Contributions (AALC)	-	-	43,838	-	-	\$43,838	\$50,829	(13.75)%	2
Medicare Drug Reimbursement	-	-	1	-	-	1	2	(18.88)%	3
Insurance Premiums	237	(19)	80	2	-	301	364	(17.25)%	4
Humana Gain Share Payment	5,951	914	4,851	368	224	12,308	18,381	(33.04)%	5
Retired Re-employed Healthcare	2,363	748	2,717	657	-	6,486	6,221	4.26%	
Health Insurance Contributions (HB1)	8,126	1,945	3,981	753	169	14,973	13,281	12.75%	6
Employer Cessation Contributions	-	-	-	-	-	-	9,536	(100.00)%	7
Total Contributions	63,797	26,372	72,863	1,783	4,897	169,712	233,115	(27.20)%	
INVESTMENT INCOME									
From Investing Activities									
Net Appreciation (Depreciation) in FV of Investments	34,620	15,702	17,104	5,776	2,184	75,385	283,977	(73.45)%	8
Interest/Dividends	43,453	21,475	19,573	8,505	3,409	96,416	94,119	2.44%	
Total Investing Activities Income	78,073	37,177	36,678	14,281	5,592	171,801	378,096		
Less: Investment Expense	8,804	4,631	3,407	1,802	713	19,356	16,731	15.69%	9
Less: Performance Fees	(425)	(355)	1,093	(15)	(27)	270	29,997	(99.10)%	10
Net Income from Investing Activities	69,695	32,901	32,178	12,494	4,907	152,174	331,368		
From Securities Lending Activities									
Securities Lending Income	1,206	581	487	197	85	2,556	212		
Less: Securities Lending Borrower Rebates (Income)/Expense	1,020	490	408	167	71	2,157	(337)		
Less: Securities Lending Agent Fees	28	14	12	5	2	60	82		
Net Income from Securities Lending	158	77	67	26	12	339	466	(27.21)%	11
Net Investment Income	69,852	32,978	32,244	12,520	4,918	152,514	331,834	(54.04)%	
Total Additions	133,650	59,350	105,108	14,304	9,815	322,226	564,949	(42.96)%	
DEDUCTIONS									
Healthcare Premiums Subsidies	71,706	46,862	59,831	10,341	7,365	196,104	182,680	7.35%	
Administrative Expenses	472	260	392	62	37	1,224	1,233	(0.76)%	
Self-Funded Healthcare Costs	1,767	100	862	37	10	2,777	2,802	(0.89)%	
Excise Tax Insurance	-	-	-	-	-	-	9	(100.00)%	12
Total Deductions	73,945	47,222	61,085	10,440	7,412	200,104	186,724	7.17%	
Net Increase (Decrease) in Fiduciary Net Position Restricted for OPEB	59,704	12,128	44,023	3,863	2,403	122,122	378,225		
Total Fiduciary Net Position Restricted for OPEB									
Beginning of Period	2,981,224	1,503,977	1,301,522	579,902	230,015	6,596,640	6,973,613	(5.41)%	
End of Period	\$3,040,929	\$1,516,105	\$1,345,545	\$583,765	\$232,418	\$6,718,761	\$7,351,838	(8.61)%	

NOTE - Variance Explanation. Differences due to rounding

1) Employer Contributions decreased due to a decrease in the employer insurance rate as well as the CERS/CERH correction.

NOTE - Variance Explanation. Differences due to rounding

- 2) *AALC will fluctuate year to year based on the actuarial valuation.*
- 3) *Medicare Drug Reimbursement payments fluctuate year to year based on claims received.*
- 4) *Health Insurance Premiums decreased primarily due to refunds processed to hazardous retirees for premiums paid for dependents that should have been covered by KPPA.*
- 5) *The Humana Gain Share payment will fluctuate year to year based on claims paid.*
- 6) *Health Insurance Contributions will continue to rise as Tier 2 and Tier 3 members increase.*
- 7) *Employer Cessation payment received from Kentucky Housing Corporation FY2022.*
- 8) *The decrease in Net Appreciation in Fair Value of Investments is due to unfavorable market conditions resulting in realized and/or unrealized losses across all asset classes.*
- 9) *The increase in Investment Expense is a result of increased market values in the Specialty Credit and Real Estate asset classes which have higher fees. While the over all FV of assets have declined, that decline has largely been in the Public Equity and Core Fixed Income asset classes which have much lower manager fees.*
- 10) *The drop in performance fees is the result in less than favorable market conditions causing returns to drop, impacting those fees directly related to performance.*
- 11) *The variance is a result of the demand of the Securities Lending Program.*
- 12) *The Excise Tax will fluctuate based on the timing of the posting of the payment.*

Pension Funds Contribution ReportFor the six month period ending December 31, 2022, with Comparative Totals for the six month period ending December 31, 2021
(\$ in Millions)**County Employees Retirement System**

	Nonhazardous		Hazardous	
	FY23	FY22	FY23	FY22
Member Contributions	\$91.9	\$88.2	\$36.6	\$35.7
Employer Contributions	300.7	270.1	132.6	107.1
Net Investment Income	86.3	66.7	30.5	24.1
Total Inflows	478.9	425.0	199.7	166.9
Benefit Payments/Refunds	454.8	435.6	160.9	154.3
Administrative Expenses	11.4	11.2	0.9	1.0
Total Outflows	466.2	446.8	161.8	155.3
NET Contributions	12.7	(21.8)	37.9	11.6
Realized Gain/(Loss)	(25.2)	282.7	(10.0)	95.4
Unrealized Gain/(Loss)	117.3	55.6	41.2	16.4
Change in Net Position	104.8	316.5	69.1	123.4
Beginning of Period	8,062.3	8,670.7	2,736.9	2,934.4
End of Period	\$8,167.1	\$8,987.2	\$2,806.0	\$3,057.8

Differences due to rounding.

Net Contributions*	(\$73.6)	(\$88.5)	\$7.4	(\$12.5)
Cash Flow as % of Assets	(0.90)%	(0.98)%	0.27%	(0.41)%
Net Investment Income	\$86.3	\$66.7	\$30.5	\$24.1
Yield as % of Assets	1.06%	0.74%	1.09%	0.79%

**Net Contributions are less Net Investment Income.*

Pension Funds Contribution Report

For the six month period ending December 31, 2022, with Comparative Totals for the six month period ending December 31, 2021
(\$ in Millions)

	Kentucky Employees Retirement System				State Police Retirement System	
	Nonhazardous		Hazardous		FY23	FY22
	FY23	FY22	FY23	FY22		
Member Contributions	\$51.3	\$45.0	\$12.5	\$10.1	\$3.3	\$2.4
Employer Contributions	56.1	87.7	31.2	30.2	28.1	30.5
Actuarially Accrued Liability Contributions	449.3	456.4	-	-	-	-
Employer Cessation Contributions	-	50.5	-	-	-	-
General Fund Appropriations	120.0	-	-	-	-	-
Net Investment Income	40.0	23.5	9.9	7.3	7.2	2.8
Total Inflows	716.7	663.1	53.6	47.6	38.6	35.7
Benefit Payments/Refund	518.4	518.2	41.0	40.8	32.0	32.1
Administrative Expenses	6.5	5.8	0.7	0.6	0.1	0.1
Total Outflows	524.9	524.0	41.7	41.4	32.1	32.2
NET CONTRIBUTIONS	191.8	139.1	11.9	6.2	6.5	3.5
Realized Gain/(Loss)	(17.1)	74.4	(3.2)	27.6	(3.8)	9.1
Unrealized Gain/(Loss)	14.3	6.7	10.9	3.7	5.8	0.7
Change in Net Position	189.0	220.2	19.6	37.5	8.5	13.3
Beginning of Period	3,076.7	3,085.0	819.2	874.9	552.9	357.7
End of Period	\$3,265.7	\$3,305.2	\$838.8	\$912.4	\$561.4	\$371.0

Differences due to rounding.

Net Contributions*	\$151.8	\$115.6	\$2.0	\$(1.1)	\$(0.7)	\$0.7
Cash Flow as % of Assets	4.65%	3.50%	0.24%	(0.12)%	(0.13)%	0.18%
Net Investment Income	\$40.0	\$23.5	\$9.9	\$7.3	\$7.2	\$2.8
Yield as % of Assets	1.22%	0.71%	1.18%	0.80%	1.28%	0.76%

*Net Contributions are less Net Investment Income.

Insurance Fund Contribution ReportFor the six month period ending December 31, 2022, with Comparative Totals for the six month period ending December 31, 2021
(\$ in Millions)**County Employees Retirement System**

	Nonhazardous		Hazardous	
	FY23	FY22	FY23	FY22
Employer Contributions	\$47.1	\$78.7	\$22.8	\$35.6
Insurance Premiums	0.2	0.3	-	-
Humana Gain Share	6.0	8.9	0.9	1.3
Retired Reemployed Healthcare	2.4	2.4	0.7	0.7
Health Insurance Contributions	8.1	7.5	1.9	1.8
Net Investment Income	35.2	21.6	17.3	10.7
Total Inflows	99.0	119.4	43.6	50.1
Healthcare Premiums	73.5	65.9	47.0	43.9
Administrative Expenses	0.4	0.5	0.2	0.2
Total Outflows	73.9	66.4	47.2	44.1
NET Contributions	25.1	53.0	(3.6)	6.0
Realized Gain/(Loss)	(10.3)	97.7	(4.2)	52.0
Unrealized Gain/(Loss)	44.9	32.6	19.9	18.6
Change in Net Position	59.7	183.3	12.1	76.6
Beginning of Period	2,981.2	3,141.8	1,504.0	1,607.8
End of Period	\$3,040.9	\$3,325.1	\$1,516.1	\$1,684.4

Differences due to rounding.

Net Contributions*	\$(10.1)	\$31.4	\$(20.9)	\$(4.7)
Cash Flow as % of Assets	(0.33)%	0.94%	(1.37)%	(0.28)%
Net Investment Income	\$35.2	\$21.6	\$17.3	\$10.7
Yield as % of Assets	1.16%	0.65%	1.14%	0.64%

**Net Contributions are less Net Investment Income.*

Insurance Fund Contribution ReportFor the six month period ending December 31, 2022, with Comparative Totals for the six month period ending December 31, 2021
(\$ in Millions)

	Kentucky Employees Retirement System				State Police Retirement System	
	Nonhazardous		Hazardous		FY23	FY22
	FY23	FY22	FY23	FY22		
Employer Contributions	\$17.4	\$15.9	\$-	\$-	\$4.5	\$4.4
Actuarially Accrued Liability Contributions	43.8	50.8	-	-	-	-
Employer Cessation Contributions	-	9.5	-	-	-	-
Insurance Premiums	0.1	0.1	-	-	-	-
Humana Gain Share	4.9	7.3	0.4	0.5	0.2	0.3
Retired Reemployed Healthcare	2.7	2.5	0.7	0.6	-	-
Health Insurance Contributions	4.0	3.2	0.7	0.6	0.2	0.1
Net Investment Income	15.1	9.6	6.7	4.4	2.7	1.6
Total Inflows	88.0	98.9	8.5	6.1	7.6	6.4
Healthcare Premiums	60.7	58.3	10.4	10.3	7.4	7.2
Administrative Expenses	0.4	0.4	-	-	-	-
Total Outflows	61.1	58.7	10.4	10.3	7.4	7.2
NET Contributions	26.9	40.2	(1.9)	(4.2)	0.2	(0.8)
Realized Gain/(Loss)	(8.5)	30.6	(1.8)	18.9	(0.7)	8.0
Unrealized Gain/(Loss)	25.6	15.1	7.6	7.6	2.9	2.8
Change in Net Position	44.0	85.9	3.9	22.3	2.4	10.0
Beginning of Period	1,301.5	1,353.1	579.9	624.9	230.0	246.0
End of Period	\$1,345.5	\$1,439.0	\$583.8	\$647.2	\$232.4	\$256.0

Differences due to rounding.

Net Contributions*	\$11.8	\$30.6	\$(8.6)	\$(8.6)	\$(2.5)	\$(2.4)
Cash Flow as % of Assets	0.88%	2.13%	(1.48)%	(1.32)%	(1.09)%	(0.95)%
Net Investment Income	\$15.1	\$9.6	\$6.7	\$4.4	\$2.7	\$1.6
Yield as % of Assets	1.13%	0.67%	1.16%	0.68%	1.18%	0.63%

**Net Contributions are less Net Investment Income.*

KPPA ADMINISTRATIVE BUDGET FY 2022-2023						
BUDGET-TO-ACTUAL ANALYSIS						
FOR THE SIX MONTH PERIOD ENDING DECEMBER 31, 2022, WITH COMPARATIVE TOTALS FOR THE SIX MONTH PERIOD ENDING DECEMBER 31, 2021						
Account Name	Budgeted	FY 2023 Expense	Remaining	Percent Remaining	FY 2022 Expense	Percent Difference
PERSONNEL						
Staff						
Salaries/Wages	\$17,000,000	\$8,154,730	\$8,845,270	52.03%	\$8,048,638	1.32%
Wages (Overtime)	285,000	115,112	169,888	59.61%	107,186	7.39%
Emp Paid Retirement	14,865,100	6,069,879	8,795,221	59.17%	6,422,459	(5.49)%
Emp Paid Health Ins	2,700,000	1,112,428	1,587,572	58.80%	1,296,865	(14.22)%
Emp Paid Sick Leave	115,000	135,844	(20,844)	(18.13)%	800	16,880.50%
Adoption Assistance Benefit	8,000	-	8,000	100.00%	-	0.00%
Workers Compensation	75,000	11,116	63,884	85.18%	75,163	(85.21)%
Unemployment	8,000	5,534	2,466	30.83%	-	100.00%
Other Personnel	1,273,448	576,338	697,110	54.74%	573,531	0.49%
Employee Training	18,000	5,361	12,639	70.22%	4,843	10.70%
Bonds	-	-	-	100.00%	41	(100.00)%
Staff Subtotal	36,347,548	16,186,341	20,161,207	55.47%	16,529,526	(2.08)%
LEGAL & AUDITING SERVICES						
Legal Hearing Officers	100,000	76,516	23,484	23.48%	32,314	136.79%
Legal (Stoll, Keenon)	150,000	51,775	98,225	65.48%	60,445	(14.34)%
Frost Brown (Tax Advisor)	80,000	100,066	(20,066)	(25.08)%	1,464	6,735.11%
Reinhart	25,000	139	24,861	99.44%	-	0.00%
Ice Miller	300,000	81,920	218,080	72.69%	21,533	280.44%
Johnson, Bowman, Branco LLC	150,000	69,895	80,105	53.40%	43,225	61.70%
Dentons Bingham & Greenebaum	150,000	33,291	116,709	77.81%	-	100.00%
Legal Expense	25,000	23	24,977	99.91%	-	100.00%
Auditing	200,000	77,808	122,192	61.10%	85,655	(9.16)%
Total Legal & Auditing Services	1,180,000	491,433	688,567	58.35%	244,636	100.88%
CONSULTING SERVICES						
Medical Reviewers	1,800,000	660,075	1,139,925	63.33%	625,666	5.50%
Escrow for Actuary Fees	-	(28,866)	28,866	0.00%	-	(100.00)%
Total Consulting Services	1,800,000	631,209	1,168,791	64.93%	625,666	0.89%
CONTRACTUAL SERVICES						
Miscellaneous Contracts	100,000	11,700	88,300	88.30%	12,079	(3.14)%
Human Resources Consulting	8,000	-	8,000	100.00%	5,794	(100.00)%
Actuarial Services	500,000	134,300	365,700	73.14%	147,747	(9.10)%
Facility Security Charges	80,000	21,701	58,299	72.87%	38,862	(44.16)%
Tuition Assistance	8,000	-	8,000	100.00%	-	0.00%
Contractual Subtotal	696,000	167,701	528,299	75.91%	204,482	(17.99)%
PERSONNEL SUBTOTAL	\$40,023,548	\$17,476,684	\$22,546,864	56.33%	\$17,604,310	(0.72)%
OPERATIONAL						
Natural Gas	35,000	10,149	24,851	71.00%	7,144	42.06%
Electric	125,000	58,288	66,712	53.37%	55,442	5.13%
Rent-Non State Building	56,000	25,321	30,679	54.78%	25,321	0.00%
Building Rental - PPW	1,000,000	481,016	518,984	51.90%	481,016	0.00%
Copier Rental	67,000	40,745	26,255	39.19%	31,247	30.40%
Rental Carpool	5,500	2,144	3,356	61.02%	1,940	10.52%
Vehicle/Equip. Maint.	1,000	-	1,000	100.00%	249	(100.00)%
Postage	420,000	92,536	327,464	77.97%	150,771	(38.62)%
Freight	200	41	159	79.28%	155	(73.55)%
Printing (State)	12,000	795	11,205	93.38%	4,548	(82.52)%
Printing (non-state)	105,000	24,911	80,089	76.28%	30,002	(16.97)%
Insurance	12,000	5,572	6,428	53.57%	5,422	2.77%
Garbage Collection	6,000	3,161	2,839	47.31%	2,647	19.42%
Conference Expense	35,000	7,415	27,585	78.81%	7,352	0.86%
Conference Exp. Investment	-	64	(64)	0.00%	-	100.00%
Conference Exp. Audit	2,000	639	1,361	68.05%	-	100.00%
MARS Usage	50,000	13,550	36,450	72.90%	13,550	0.00%

KPPA ADMINISTRATIVE BUDGET 2022-23 BUDGET-TO-ACTUAL ANALYSIS						
FOR THE SIX MONTH PERIOD ENDING DECEMBER 31, 2022, WITH COMPARATIVE TOTALS FOR THE SIX MONTH PERIOD ENDING DECEMBER 31, 2021						
Account Name	Budgeted	FY 2023 Expense	Remaining	Percent Remaining	FY 2022 Expense	Percent Difference
COVID-19 Expenses	12,000	-	12,000	100.00%	6,171	(100.00)%
Office Supplies	75,000	55,759	19,241	25.66%	25,767	116.40%
Furniture & Office Equipment	20,000	204	19,796	98.98%	-	100.00%
Travel (In-State)	15,000	7,627	7,373	49.15%	3,611	111.22%
Travel (In-State) Investment	1,000	-	1,000	100.00%	-	0.00%
Travel (In-State) Audit	500	-	500	100.00%	-	0.00%
Travel (Out of State)	75,000	16,534	58,466	77.95%	382	4,228.27%
Travel (Out of State) Investment	100,000	10,578	89,422	89.42%	-	100.00%
Travel (Out of State) Audit	500	1,077	(577)	(115.40)%	-	100.00%
Dues & Subscriptions	70,000	35,132	34,868	49.81%	25,176	39.55%
Dues & Subscriptions Invest	17,000	4,177	12,823	75.43%	7,613	(45.13)%
Dues & Subscriptions Audit	1,500	100	1,400	93.33%	50	100.00%
Miscellaneous	70,000	20,399	49,601	70.86%	31,063	(34.33)%
Miscellaneous Investment	-	-	-	0.00%	-	0.00%
Miscellaneous Audit	200	-	200	100.00%	-	0.00%
COT Charges	25,000	9,022	15,978	63.91%	9,850	(8.41)%
Telephone - Wireless	7,000	2,556	4,444	63.48%	2,817	(9.27)%
Telephone - Other	150,000	47,665	102,335	68.22%	62,180	(23.34)%
Telephone - Video Conference	-	4,836	(4,836)	0.00%	-	100.00%
Computer Equip./Software	3,500,000	1,029,994	2,470,006	70.57%	1,397,212	(26.28)%
Comp. Equip./Software Invest	-	-	-	0.00%	-	0.00%
Comp. Equip./Software Audit	3,000	24,407	(21,407)	(713.56)%	-	100.00%
OPERATIONAL SUBTOTAL	\$6,074,400	\$2,036,414	\$4,037,986	66.48%	\$2,390,398	(14.81)%
SUB-TOTAL	\$46,097,948	\$19,513,098	\$26,584,850	57.67%	\$19,994,708	(2.41)%
Reserve	4,086,552	-	4,086,552	100.00%	-	0.00%
TOTAL	\$50,184,500	\$19,513,098	\$30,671,402	61.12%	\$19,994,708	(2.41)%

Differences due to rounding

Plan	Budgeted	FY 2023 Expense	% of Total KPPA FY 2023 Expense
CERS Nonhazardous	\$28,896,235	\$11,235,642	57.58%
CERS Hazardous	2,559,410	995,168	5.10%
KERS Nonhazardous	16,543,320	6,432,493	32.965%
KERS Hazardous	1,824,207	709,301	3.635%
SPRS	361,328	140,494	0.720%
TOTAL	\$50,184,500	\$19,513,098	

JP MORGAN CHASE CREDIT EARNINGS AND FEES FOR THE SIX MONTH PERIOD ENDING DECEMBER 31, 2022			
	Earnings	Fees	Net Earnings
June-22	5,289	(5,906)	(616)
July-22	8,921	(5,814)	3,107
August-22	17,621	(6,185)	11,436
September-22	17,026	(6,033)	10,993
October-22	24,574	(6,031)	18,543
November-22	59,589	(5,070)	54,519
December-22	10,556	(6,884)	3,673
Total	\$143,576	\$(41,922)	\$101,654



KENTUCKY PUBLIC PENSIONS AUTHORITY Outstanding Invoices by Type and Employer

Invoice Type	12/31/2022	9/30/2022	Change H/(L)
Actuarially Accrued Liability Contribution	\$2,267,851	\$2,391,476	(5)%
Averaging Refund to Employer	(255,232)	(205,245)	24%
Employer Free Military and Decompression Service	255,478	202,573	26%
Member Pension Spiking Refund	(35,912)	(30,593)	17%
Monthly Reporting Invoice	(258,448)	(75,036)	244%
Penalty – Monthly Reporting	226,302	216,435	5%
Reinstatement	180,361	173,603	4%
Total	2,380,401	2,673,213	
Health Insurance Reimbursement	1,285,805	1,199,790	7%
Omitted Employer	1,543,030	1,575,425	(2)%
Employer Pension Spiking*	1,589,286	1,529,318	4%
Standard Sick Leave	3,898,235	3,179,272	23%
USERRA Protected Military	319,086	319,086	0%
Total	8,635,442	7,802,891	11%
Grand Total	\$11,015,843	\$10,476,104	5%

*Pension Spiking invoices on this report are Employer Pension Spiking. By statute these invoices are due 12 months from the invoice date. Employer Pension Spiking is in effect only for retirements prior to July 1, 2018, therefore, unless there has been a recently created invoice for a backdated retirement, all of these invoices are greater than 12 months old.

Employer Name (Top Ten)	12/31/2022	9/30/2022	Change H/(L)
Kentucky State Police	\$3,498,911	\$2,976,590	18%
Kentucky River Community Care	2,175,323	1,812,558	20%
Kentucky River Regional Jail	893,893	893,893	0%
City of Covington	393,864	388,761	1%
Kenton County Airport Board	369,818	361,240	2%
Department of Military Affairs	249,656	130,294	92%
City of Fort Thomas	246,316	240,281	3%
Livingston County Fiscal Court	228,567	228,796	0%
Henry County Fiscal Court	207,652	207,221	0%
TARC Transit Authority River City	\$197,460	\$192,600	3%

	Total Unpaid Balance	Invoice Count
CERS	\$2,103,231	1,511
CERH	1,543,751	208
KERS	4,092,764	1,026
KERH	480,746	47
SPRS	2,651,553	50
Grand Total:	\$10,872,045	2,842

KENTUCKY PUBLIC PENSIONS AUTHORITY

Penalty Invoices Report

From: 10/1/2022 To: 12/31/2022

Note: Delinquent Interest amounts are included in the totals for the invoice

Invoice Amount	Invoice Remaining Balance	Delinquent Interest	Invoice Status Date	Invoice Due Date	Invoice Status	Employer Classification	Plan	Comments
\$1,000	\$-	\$-	10/26/2022	10/13/2021	CANC	Cities	CERS	New Employer Reporting Official
1,000	-	-	10/26/2022	11/7/2021	CANC	Cities	CERS	New Employer Reporting Official
1,000	-	-	10/26/2022	11/7/2021	CANC	Cities	CERS	New Employer Reporting Official
1,000	-	-	10/11/2022	9/15/2022	CANC	County Attorneys	KERS	Employer in good standing
1,000	-	-	11/15/2022	10/19/2022	CANC	Cities	CERS	New Employer Reporting Official
1,000	-	-	11/2/2022	11/23/2022	CANC	Boards of Education	CERS	New Employer Reporting Official
1,940	-	-	11/1/2022	11/26/2022	CANC	Boards of Education	CERS	Employer in good standing
1,000	-	-	12/5/2022	12/2/2022	CANC	Master Commissioner	KERS	Employer in good standing
TOTAL:	\$8,940	\$-						
\$1,000	\$1,000	\$-	10/10/2022	11/9/2022	CRTD	Special Districts & Boards	CERS	
1,055	1,055	-	10/19/2022	11/18/2022	CRTD	Fiscal Courts	CERS	
3,129	3,129	-	11/2/2022	12/2/2022	CRTD	Cities	CERS	
1,000	1,000	-	11/2/2022	12/2/2022	CRTD	County Attorneys	CERS	
2,638	2,638	-	11/17/2022	12/17/2022	CRTD	Fiscal Courts	CERS	
1,000	1,000	-	11/18/2022	12/18/2022	CRTD	Boards of Education	CERS	
1,000	1,000	-	11/18/2022	12/18/2022	CRTD	County Attorneys	CERS	
1,000	1,000	-	11/28/2022	12/28/2022	CRTD	County Attorneys	KERS	
1,000	1,000	-	12/5/2022	1/4/2023	CRTD	Fiscal Courts	CERS	
1,000	1,000	-	12/6/2022	1/5/2023	CRTD	Cities	CERS	
1,000	1,000	-	12/7/2022	1/6/2023	CRTD	County Attorneys	KERS	
1,000	1,000	-	12/12/2022	1/11/2023	CRTD	Universities	KERS	
1,000	1,000	-	12/13/2022	1/12/2023	CRTD	Tourist Commissions	CERS	
1,000	1,000	-	12/21/2022	1/20/2023	CRTD	County Attorneys	CERS	
1,000	1,000	-	12/21/2022	1/20/2023	CRTD	County Attorneys	KERS	
1,000	1,000	-	12/21/2022	1/20/2023	CRTD	Non-P1 State Agencies	KERS	
2,439	2,439	-	12/22/2022	1/21/2023	CRTD	Boards of Education	CERS	
1,000	1,000	-	12/27/2022	1/26/2023	CRTD	Fiscal Courts	CERS	
1,000	1,000	-	12/28/2022	1/27/2023	CRTD	Fiscal Courts	CERS	
1,000	1,000	-	12/28/2022	1/27/2023	CRTD	Fiscal Courts	CERS	
TOTAL:	\$25,262	\$25,262						

Penalty Invoices Report
From: 10/1/2022 To: 12/31/2022
Note: Delinquent Interest amounts are included in the totals for the invoice

Invoice Amount	Invoice Remaining Balance	Delinquent Interest	Invoice Status Date	Invoice Due Date	Invoice Status	Employer Classification	Plan	Comments
\$1,000	\$-	\$-	11/1/2022	3/31/2018	PAID	Fire Departments	CERS	
1,000	-	-	11/1/2022	4/12/2018	PAID	Fire Departments	CERS	
1,000	-	-	11/1/2022	11/3/2018	PAID	Fire Departments	CERS	
1,000	-	-	10/26/2022	8/22/2020	PAID	Cities	CERS	
1,000	-	-	11/10/2022	4/16/2021	PAID	Cities	CERS	
1,000	-	-	11/10/2022	4/16/2021	PAID	Cities	CERS	
1,000	-	-	10/5/2022	5/20/2021	PAID	Non-P1 State Agencies	KERS	
1,000	-	-	10/5/2022	6/17/2021	PAID	Non-P1 State Agencies	KERS	
1,000	-	-	12/5/2022	6/22/2022	PAID	Fiscal Courts	CERS	
1,000	-	-	12/5/2022	6/22/2022	PAID	Fiscal Courts	CERS	
1,000	-	-	12/28/2022	7/16/2022	PAID	Fiscal Courts	CERS	
1,000	-	-	10/12/2022	9/15/2022	PAID	Utility Boards	CERS	
1,000	-	-	10/7/2022	10/1/2022	PAID	Utility Boards	CERS	
1,000	-	-	10/7/2022	10/14/2022	PAID	Housing Authorities	CERS	
1,000	-	-	10/10/2022	10/19/2022	PAID	Cities	CERS	
1,000	-	-	10/17/2022	10/26/2022	PAID	Cities	CERS	
1,000	-	-	11/18/2022	11/18/2022	PAID	Boards of Education	CERS	
1,000	-	-	11/7/2022	11/27/2022	PAID	Universities	KERS	
1,000	-	-	11/7/2022	11/27/2022	PAID	Universities	KERS	
1,000	-	-	11/7/2022	11/27/2022	PAID	Universities	KERS	
1,000	-	-	12/7/2022	11/30/2022	PAID	Cities	CERS	
1,000	-	-	12/19/2022	12/18/2022	PAID	Fiscal Courts	CERS	
1,000	-	-	12/13/2022	12/29/2022	PAID	Fiscal Courts	CERS	
1,000	-	-	12/8/2022	1/1/2023	PAID	Housing Authorities	CERS	
1,000	-	-	12/28/2022	1/8/2023	PAID	Fiscal Courts	CERS	
1,000	-	-	12/28/2022	1/8/2023	PAID	Fiscal Courts	CERS	
1,000	-	-	12/30/2022	1/27/2023	PAID	Cities	CERS	
TOTAL:	\$27,000	\$-						

Notes:
Invoice Status:
 CANC - Cancelled
 CRTD - Created
 PAID - Paid

Kentucky Public Pensions Authority

Investment Review and Update

Quarter Ending: December 31, 2022

Kentucky Public Pensions Authority

Economic and Market Update

Quarter Ending: December 31, 2022

Asset Class Performance

Asset Class Returns - Best to Worst

2017	2018	2019	2020	2021	2022 YTD	Annualized 5-Year as of 12/22
Emrg Mrkts 37.7%	T-Bills 1.9%	U.S. Equity 31.0%	U.S. Equity 20.8%	REITs 46.2%	Commodities 16.1%	U.S. Equity 9.0%
Developed 25.6%	Core Bond 0.0%	REITs 25.8%	Emrg Mrkts 18.7%	Commodities 27.1%	T-Bills 1.3%	Commodities 6.4%
U.S. Equity 21.0%	U.S. TIPS -1.3%	Developed 22.7%	U.S. TIPS 11.0%	U.S. Equity 26.7%	High Yield -11.2%	REITs 3.4%
High Yield 7.5%	High Yield -2.1%	Emrg Mrkts 18.9%	Developed 8.3%	Developed 11.8%	U.S. TIPS -11.8%	High Yield 2.3%
REITs 4.2%	REITs -4.8%	High Yield 14.3%	Core Bond 7.5%	U.S. TIPS 6.0%	Core Bond -13.0%	U.S. TIPS 2.1%
Core Bond 3.6%	U.S. Equity -5.3%	Core Bond 8.7%	High Yield 7.1%	High Yield 5.3%	Developed -14.0%	Developed 2.0%
U.S. TIPS 3.0%	Commodities -11.2%	U.S. TIPS 8.4%	T-Bills 0.7%	T-Bills 0.0%	U.S. Equity -19.0%	T-Bills 1.2%
Commodities 1.7%	Developed -13.4%	Commodities 7.7%	Commodities -3.1%	Core Bond -1.5%	Emrg Mrkts -19.7%	Core Bond 0.0%
T-Bills 0.8%	Emrg Mrkts -14.2%	T-Bills 2.3%	REITs -7.9%	Emrg Mrkts -2.2%	REITs -26.8%	Emrg Mrkts -1.0%

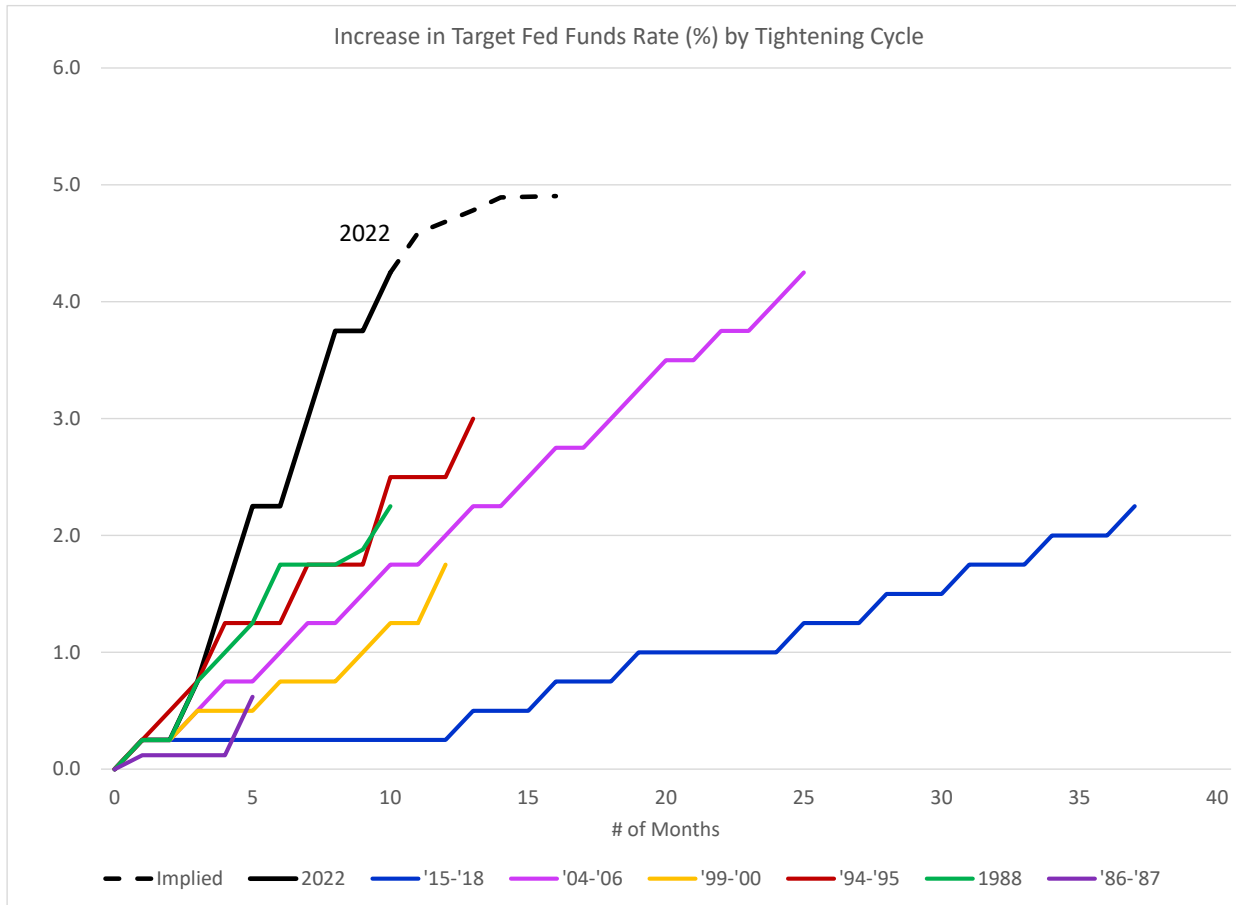
Data Sources: Bloomberg

Note: Developed asset class is developed equity markets ex-U.S., ex-Canada

December 2022 Asset Class Assumptions

	Equity						Fixed Income						Real Assets						
	US Stock	Dev ex-US Stock	Emg Stock	Global ex-US Stock	Global Stock	Private Equity	Cash	Core Bond	LT Core Bond	TIPS	High Yield	Private Credit	Dev ex-US Bond (Hdg)	US RES	Global RES	Private RE	Cmdty	Real Assets	US CPI
Compound Return (%)	6.50	7.25	7.50	7.60	7.05	9.90	4.00	4.90	4.90	3.95	6.55	8.85	3.05	5.65	5.80	6.20	6.25	6.65	2.25
Expected Risk (%)	17.00	18.00	26.00	19.10	17.10	29.00	0.75	4.70	9.80	6.00	10.00	12.75	4.00	17.50	16.45	14.00	16.00	12.35	1.75
Cash Yield (%)	1.75	3.25	2.80	3.10	2.25	0.00	4.00	5.10	5.25	4.40	9.65	5.10	3.75	3.95	3.95	2.25	4.00	3.15	0.00
Growth Exposure	8.00	8.00	8.00	8.00	8.00	14.00	0.00	-0.95	-2.40	-3.00	4.00	5.10	-1.00	6.00	6.00	3.50	0.00	2.70	0.00
Inflation Exposure	-3.00	0.00	5.00	1.45	-1.30	-3.75	0.00	-2.50	-6.80	2.50	-1.00	-1.50	-3.00	1.00	1.80	1.00	12.00	5.25	1.00
Correlations																			
US Stock	1.00																		
Dev ex-US Stock (USD)	0.81	1.00																	
Emerging Mkt Stock	0.74	0.74	1.00																
Global ex-US Stock	0.84	0.95	0.89	1.00															
Global Stock	0.95	0.91	0.84	0.94	1.00														
Private Equity	0.72	0.63	0.61	0.67	0.73	1.00													
Cash Equivalents	-0.05	-0.09	-0.05	-0.08	-0.06	0.00	1.00												
Core Bond	0.28	0.13	0.00	0.08	0.20	0.30	0.18	1.00											
LT Core Bond	0.31	0.15	0.01	0.11	0.24	0.31	0.11	0.94	1.00										
TIPS	-0.05	0.00	0.15	0.06	-0.01	-0.03	0.20	0.60	0.48	1.00									
High Yield Bond	0.54	0.39	0.49	0.46	0.53	0.31	-0.10	0.24	0.32	0.05	1.00								
Private Credit	0.68	0.55	0.58	0.60	0.68	0.44	0.00	0.24	0.30	0.00	0.76	1.00							
Dev ex-US Bond (Hdg)	0.16	0.25	-0.01	0.16	0.17	0.26	0.10	0.68	0.66	0.39	0.26	0.22	1.00						
US RE Securities	0.58	0.47	0.44	0.49	0.57	0.49	-0.05	0.17	0.22	0.10	0.56	0.62	0.05	1.00					
Global RE Securities	0.64	0.57	0.54	0.60	0.65	0.55	-0.05	0.17	0.21	0.11	0.61	0.68	0.04	0.96	1.00				
Private Real Estate	0.55	0.45	0.45	0.49	0.54	0.50	-0.05	0.19	0.25	0.09	0.58	0.63	0.05	0.79	0.78	1.00			
Commodities	0.25	0.34	0.39	0.38	0.32	0.28	0.00	-0.03	-0.03	0.25	0.29	0.29	-0.10	0.25	0.28	0.25	1.00		
Real Assets	0.62	0.63	0.65	0.69	0.67	0.57	-0.03	0.22	0.24	0.30	0.64	0.69	0.04	0.78	0.84	0.76	0.64	1.00	
Inflation (CPI)	-0.10	-0.15	-0.13	-0.15	-0.13	-0.10	0.10	-0.12	-0.12	0.15	-0.08	0.00	-0.08	0.05	0.04	0.05	0.44	0.22	1.00

The Shift to Tightening: Most Aggressive in Modern Era: Will “Bring Some Pain”



“While higher interest rates, slower growth, and softer labor market conditions will bring down inflation, they will also bring some pain to households and businesses. These are the unfortunate costs of reducing inflation. But a failure to restore price stability would mean far greater pain.”

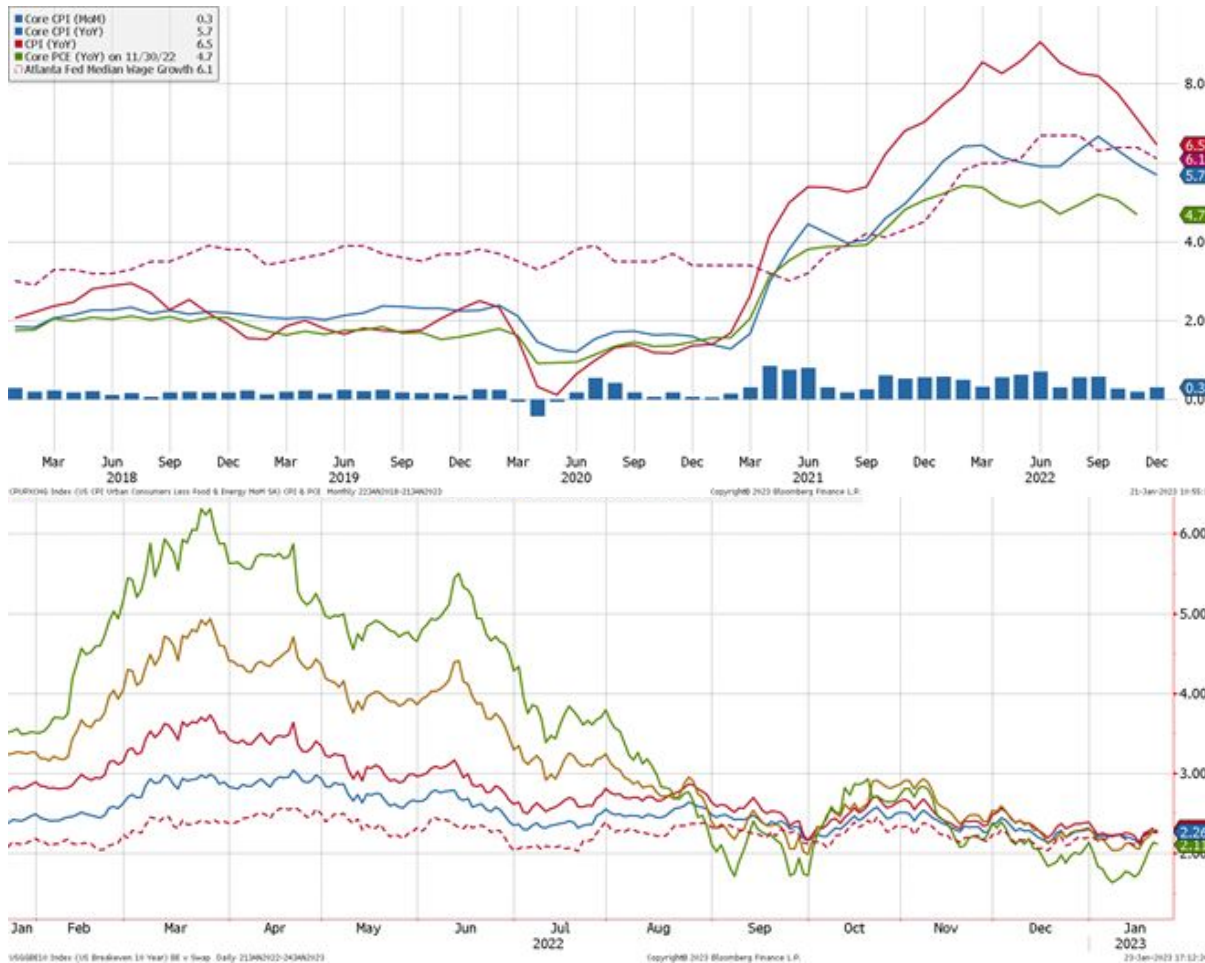


Jerome Powell

August 2022, Jackson Hole

Data Source: Bloomberg

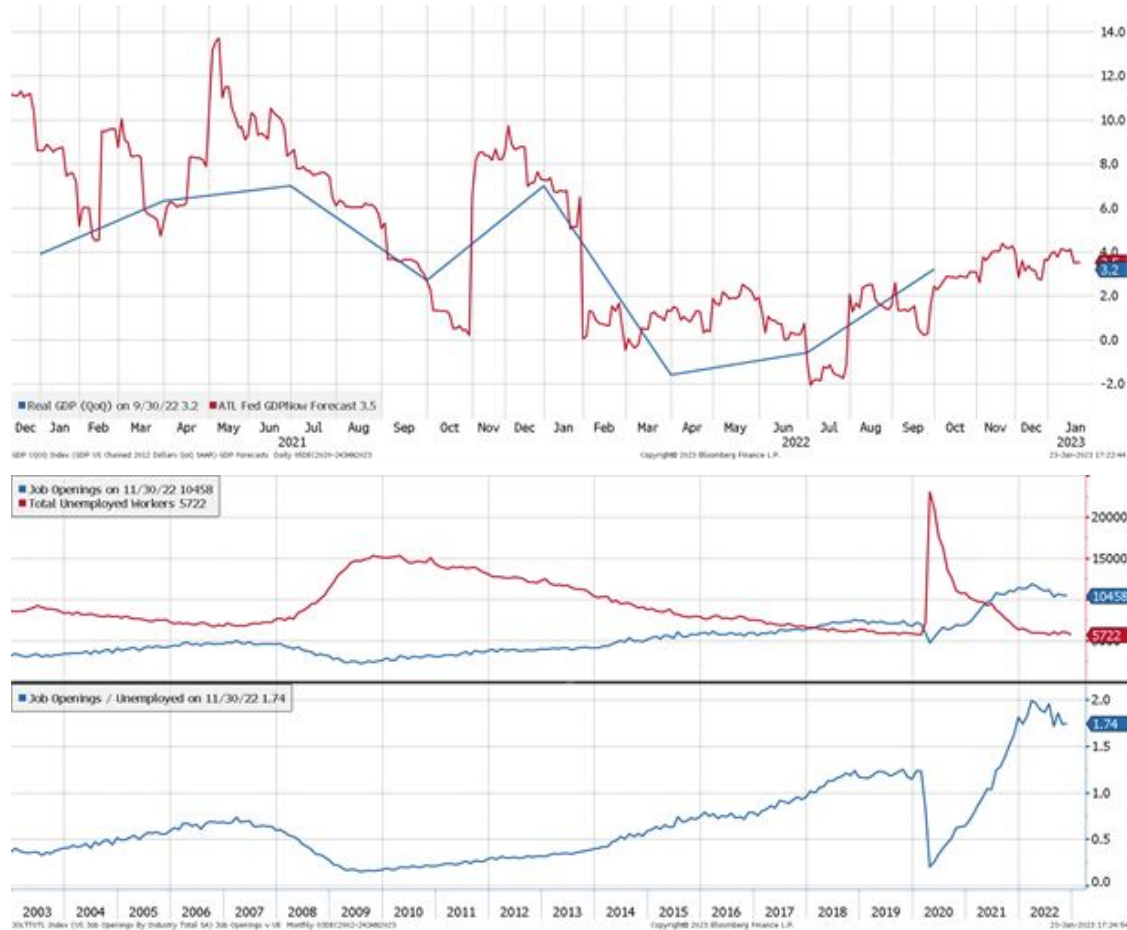
The Fed's Dashboard: Realized & Expected Inflation



Data Source: Bloomberg

- Realized inflation has begun to ease off extreme levels
 - CPI 6.5% v. 9.1% in June 2022
 - Core CPI stabilizing ~5%
 - Wage inflation remains elevated (~6%)
- Inflation expectations remain well-anchored
 - Expectational anchoring at higher levels would make the Fed's job even more challenging
 - These expectations are likely at the heart of the divergence between market and Fed outlooks (i.e., the Fed would likely pause now if they believed these expectations would be realized)

The Fed's Dashboard: Economic Growth & Labor Market



Data Source: Bloomberg

The market seems a bit more confident in the prospects of a “soft landing” as inflation has subsided in recent months

- However, lots more liquidity to be drained
- Powell’s “Sully” Sullenberger moment...



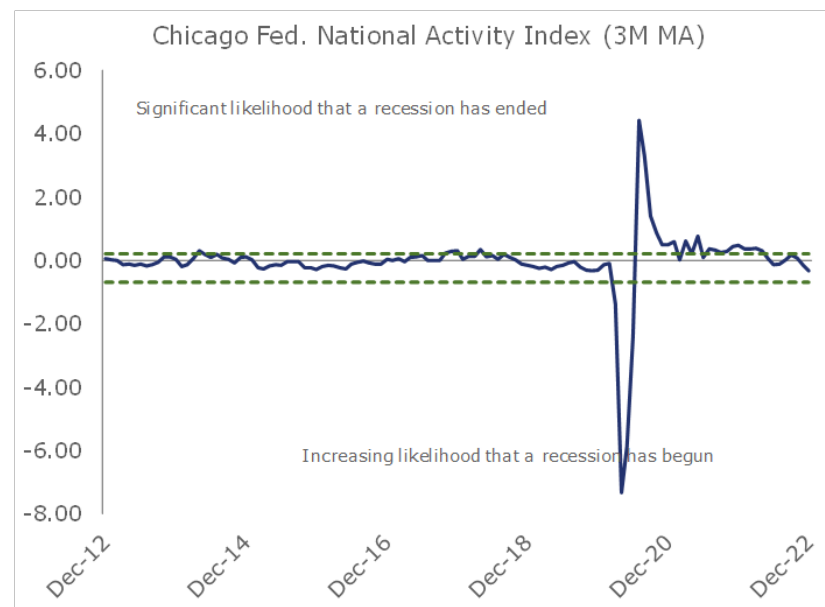
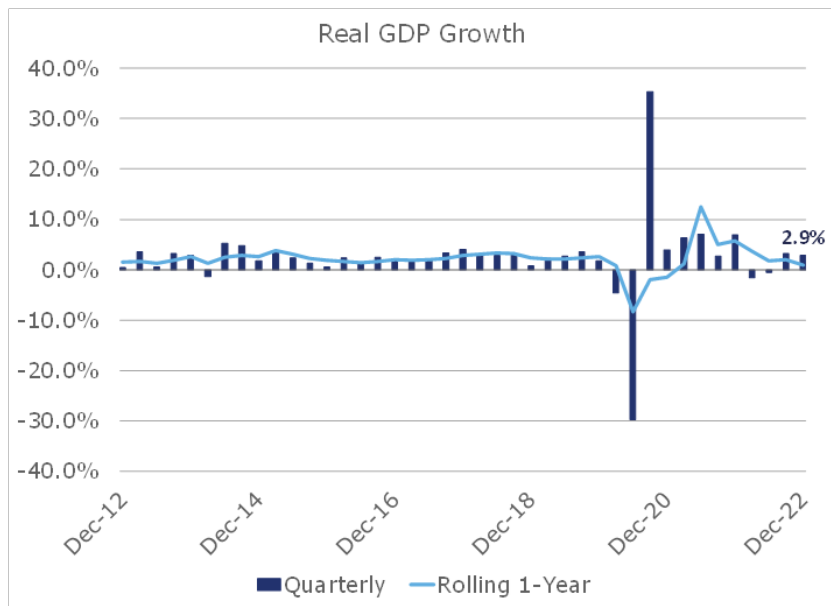
“We’re going to be in the Hudson”

Chesley Burnett "Sully" Sullenberger III
Pilot of US Airways 1549, January 15, 2009

Labor markets remain tight

- Difficult to see inflation pressures return to Fed target without these tensions reversing
- Recent jobs reports remain strong (good news for economic resilience but challenges the market’s benign inflation expectations)

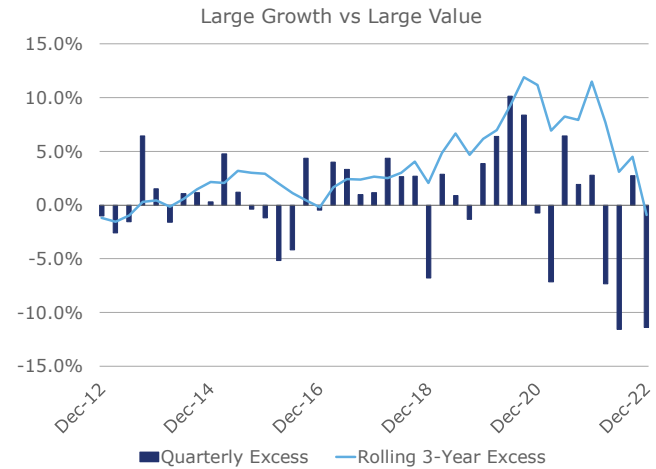
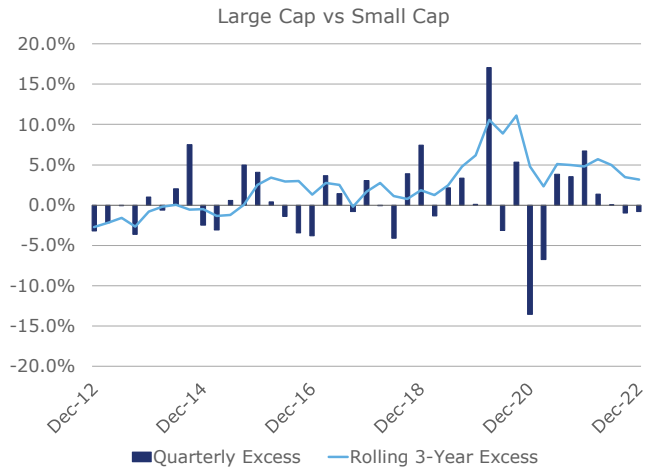
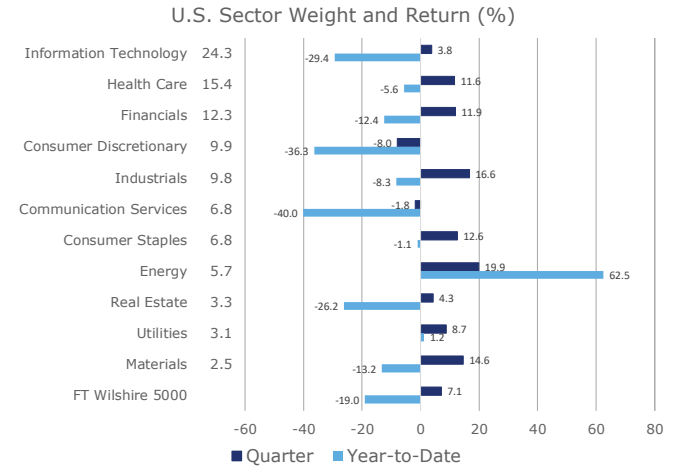
Economic Growth



Data Source: Bloomberg

U.S. Equity Market

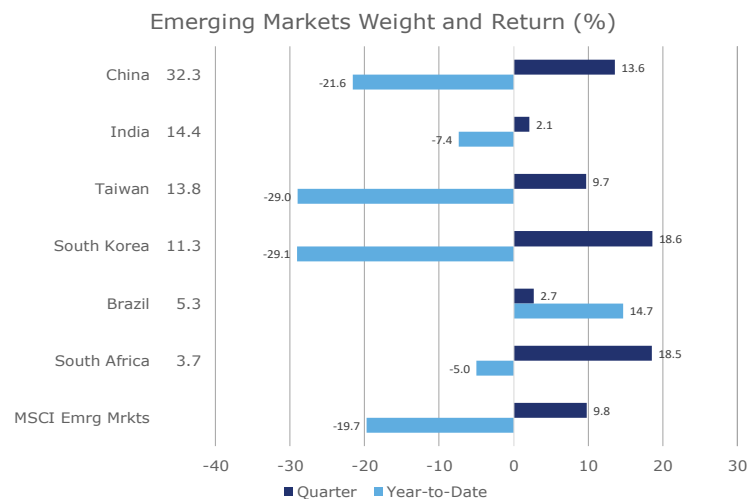
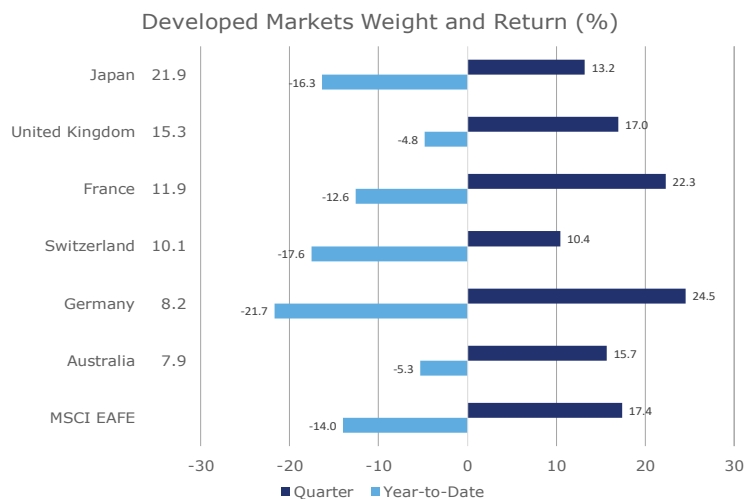
As of 12/30/2022	Quarter	YTD	1 Year	3 Year	5 Year	10 Year
FT Wilshire 5000	7.1	-19.0	-19.0	7.4	9.0	12.3
Wilshire U.S. Large Cap	7.1	-19.0	-19.0	7.7	9.4	12.6
Wilshire U.S. Small Cap	7.9	-18.7	-18.7	4.4	5.1	9.7
Wilshire U.S. Large Growth	0.8	-29.5	-29.5	7.1	10.0	13.6
Wilshire U.S. Large Value	13.8	-5.5	-5.5	8.1	8.7	11.5
Wilshire U.S. Small Growth	7.1	-23.1	-23.1	3.2	5.1	9.9
Wilshire U.S. Small Value	8.7	-14.2	-14.2	5.6	5.0	9.3
Wilshire REIT Index	4.0	-26.8	-26.8	-0.5	3.4	6.3
MSCI USA Min. Vol. Index	9.8	-9.2	-9.2	5.1	8.6	11.9
FTSE RAFI U.S. 1000 Index	12.5	-7.4	-7.4	9.6	9.1	12.2



Data Sources: Bloomberg, Wilshire Atlas

Non-U.S. Equity Market

As of 12/30/2022	Quarter	YTD	1 Year	3 Year	5 Year	10 Year
MSCI ACWI ex-US (\$G)	14.4	-15.6	-15.6	0.5	1.4	4.3
MSCI EAFE (\$G)	17.4	-14.0	-14.0	1.3	2.0	5.2
MSCI Emerging Markets (\$G)	9.8	-19.7	-19.7	-2.3	-1.0	1.8
MSCI Frontier Markets (\$G)	9.2	-17.8	-17.8	-5.7	-3.8	0.2
MSCI ACWI ex-US Growth (\$G)	12.9	-22.8	-22.8	-0.1	1.8	5.0
MSCI ACWI ex-US Value (\$G)	15.7	-8.7	-8.7	0.8	0.6	3.6
MSCI ACWI ex-US Small (\$G)	13.4	-19.6	-19.6	1.5	1.1	5.6
MSCI ACWI Minimum Volatility	8.6	-9.8	-9.8	2.2	5.2	8.4
MSCI EAFE Minimum Volatility	12.5	-14.6	-14.6	-2.6	0.6	5.1
FTSE RAFI Developed ex-US	18.3	-9.0	-9.0	2.7	1.7	4.9
MSCI EAFE LC (G)	8.8	-6.5	-6.5	4.1	4.3	8.1
MSCI Emerging Markets LC (G)	6.7	-15.2	-15.2	0.5	1.7	5.0

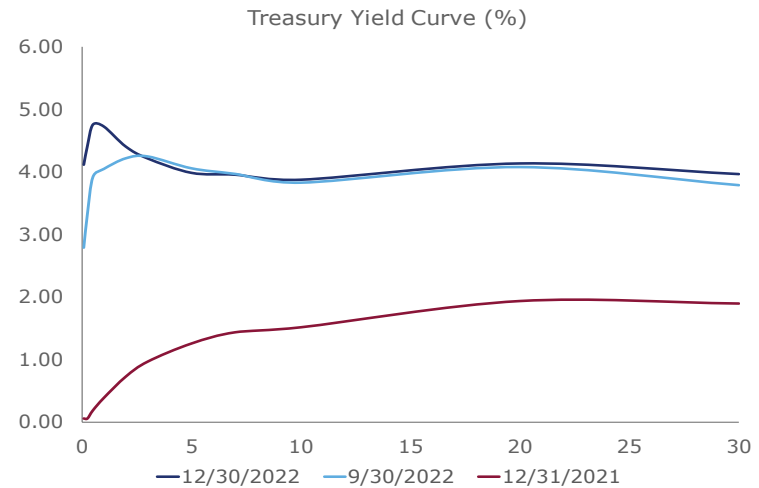
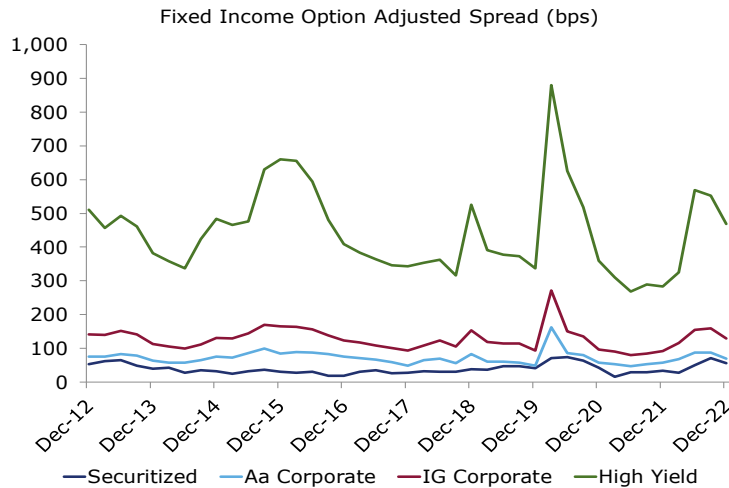


Data Sources: Bloomberg

U.S. Fixed Income

As of 12/30/2022	YTW	DUR.	QTR	YTD	1 YR	3 YR	5 YR	10 YR
Bloomberg Aggregate	4.7	6.2	1.9	-13.0	-13.0	-2.7	0.0	1.1
Bloomberg Treasury	4.2	6.1	0.7	-12.5	-12.5	-2.6	-0.1	0.6
Bloomberg Gov't-Rel.	4.8	5.2	1.9	-11.1	-11.1	-2.4	0.3	1.1
Bloomberg Securitized	4.8	5.7	2.0	-11.7	-11.7	-3.1	-0.4	0.8
Bloomberg Corporate	5.4	7.1	3.6	-15.8	-15.8	-2.9	0.5	2.0
Bloomberg LT Gov't/Credit	4.9	14.3	2.6	-27.1	-27.1	-6.2	-1.2	1.6
Bloomberg LT Treasury	4.1	16.2	-0.6	-29.3	-29.3	-7.4	-2.2	0.6
Bloomberg LT Gov't-Rel.	5.5	11.6	4.2	-22.7	-22.7	-5.9	-0.8	1.6
Bloomberg LT Corporate	5.6	13.0	5.4	-25.6	-25.6	-5.7	-0.8	2.2
Bloomberg U.S. TIPS *	3.8	7.6	2.0	-11.8	-11.8	1.2	2.1	1.1
Bloomberg High Yield	9.0	3.9	4.2	-11.2	-11.2	0.0	2.3	4.0
S&P/LSTA Leveraged Loan	9.1	0.3	2.7	-0.6	-0.6	2.5	3.3	3.7
Treasury Bills	4.4	0.3	0.9	1.3	1.3	0.7	1.2	0.8

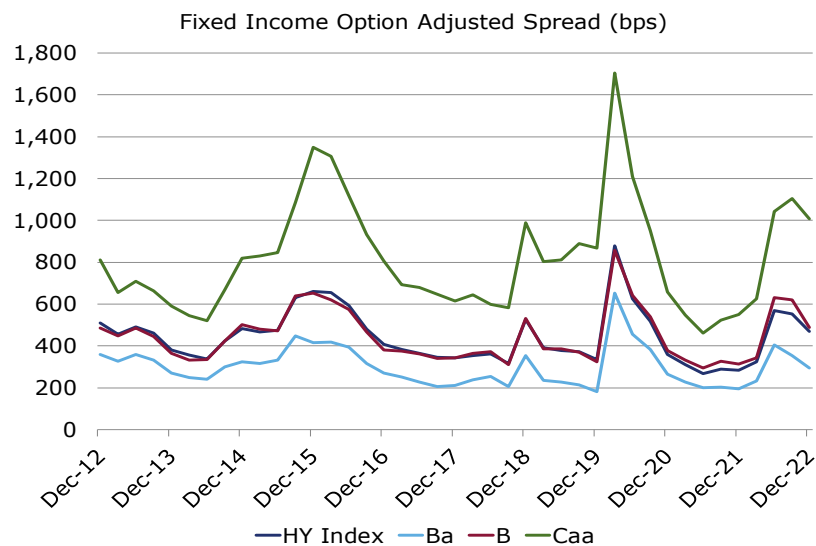
* Yield and Duration statistics are for a proxy index based on similar maturity, the Bloomberg Barclays U.S. Treasury 7-10 Year Index



Data Sources: Bloomberg

High Yield Bond Market

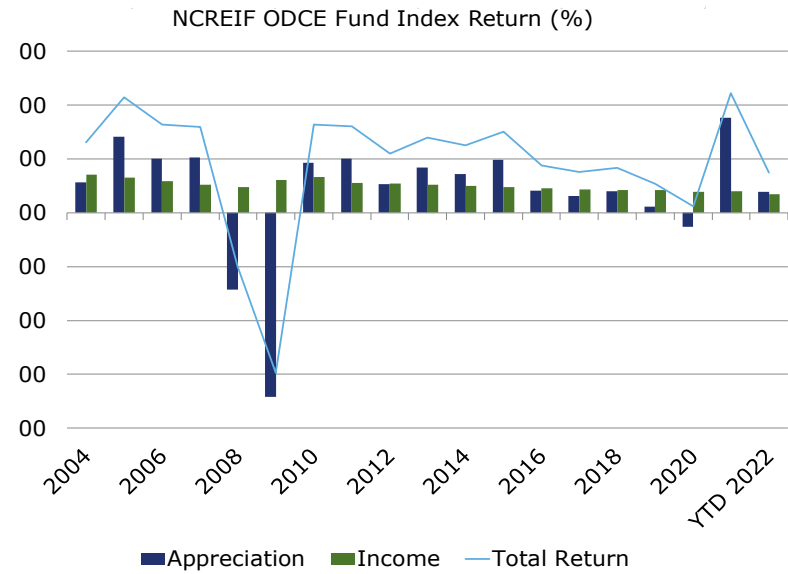
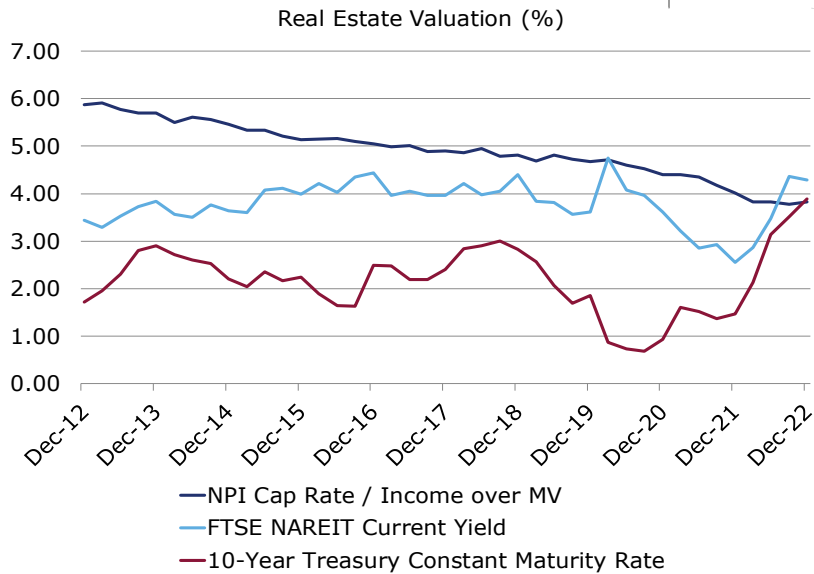
As of 12/31/2022		YTW	QTR	YTD	1 YR	3 YR	5 YR	10 YR
Bloomberg High Yield		9.0	4.2	-11.2	-11.2	0.0	2.3	4.0
S&P LSTA Leveraged Loan		9.1	3.8	-0.6	-0.6	1.9	3.1	3.2
High Yield Quality Distribution	Weight							
Ba U.S. High Yield	49.9%	7.2	4.3	-10.8	-10.8	0.9	3.0	4.4
B U.S. High Yield	38.6%	9.2	4.9	-10.3	-10.3	-0.5	2.2	3.6
Caa U.S. High Yield	10.7%	14.3	0.5	-16.3	-16.3	-2.4	-0.4	3.5
Ca to D U.S. High Yield	0.7%	36.3	13.8	-10.4	-10.4	1.1	0.4	-5.0



Data Sources: Bloomberg

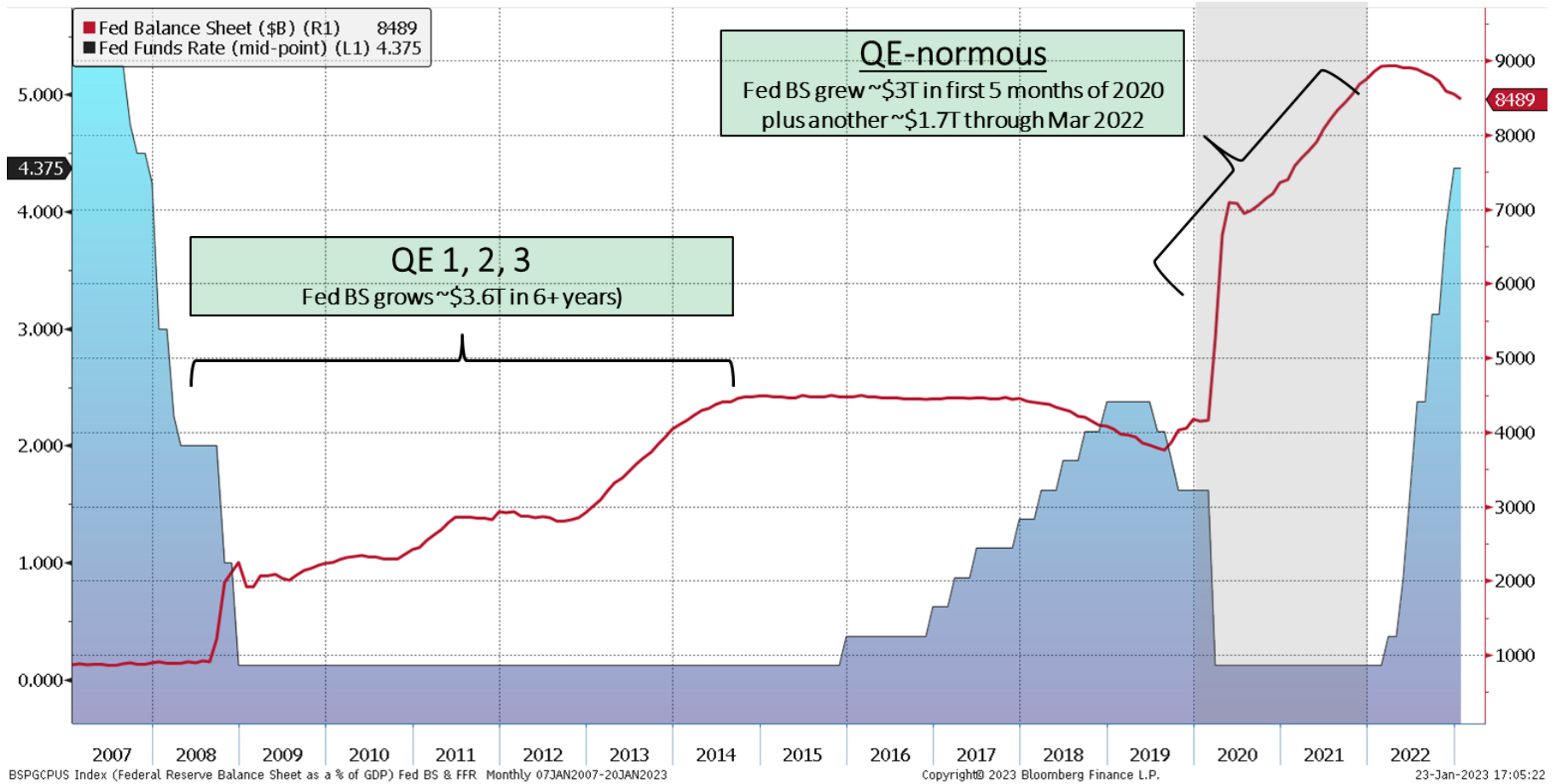
Real Assets

As of 12/30/2022	Quarter	YTD	1 Year	3 Year	5 Year	10 Year
Bloomberg U.S. TIPS	2.0	-11.8	-11.8	1.2	2.1	1.1
Bloomberg Commodity Index	2.2	16.1	16.1	12.7	6.4	-1.3
Bloomberg Gold Index	9.5	-0.7	-0.7	4.7	5.7	0.0
Wilshire Global RESI Index	6.4	-24.9	-24.9	-2.7	1.6	4.8
NCREIF ODCE Fund Index	-5.0	7.5	7.5	9.9	8.7	10.1
NCREIF Timberland Index	4.9	12.9	12.9	7.5	5.4	5.8
FTSE Global Core Infrastructure 50/50	9.2	-4.1	-4.1	2.3	5.5	7.9
Alerian Midstream Energy	8.4	21.5	21.5	8.8	6.8	n.a.
Bitcoin	-14.9	-64.3	-64.3	32.2	3.3	103.6



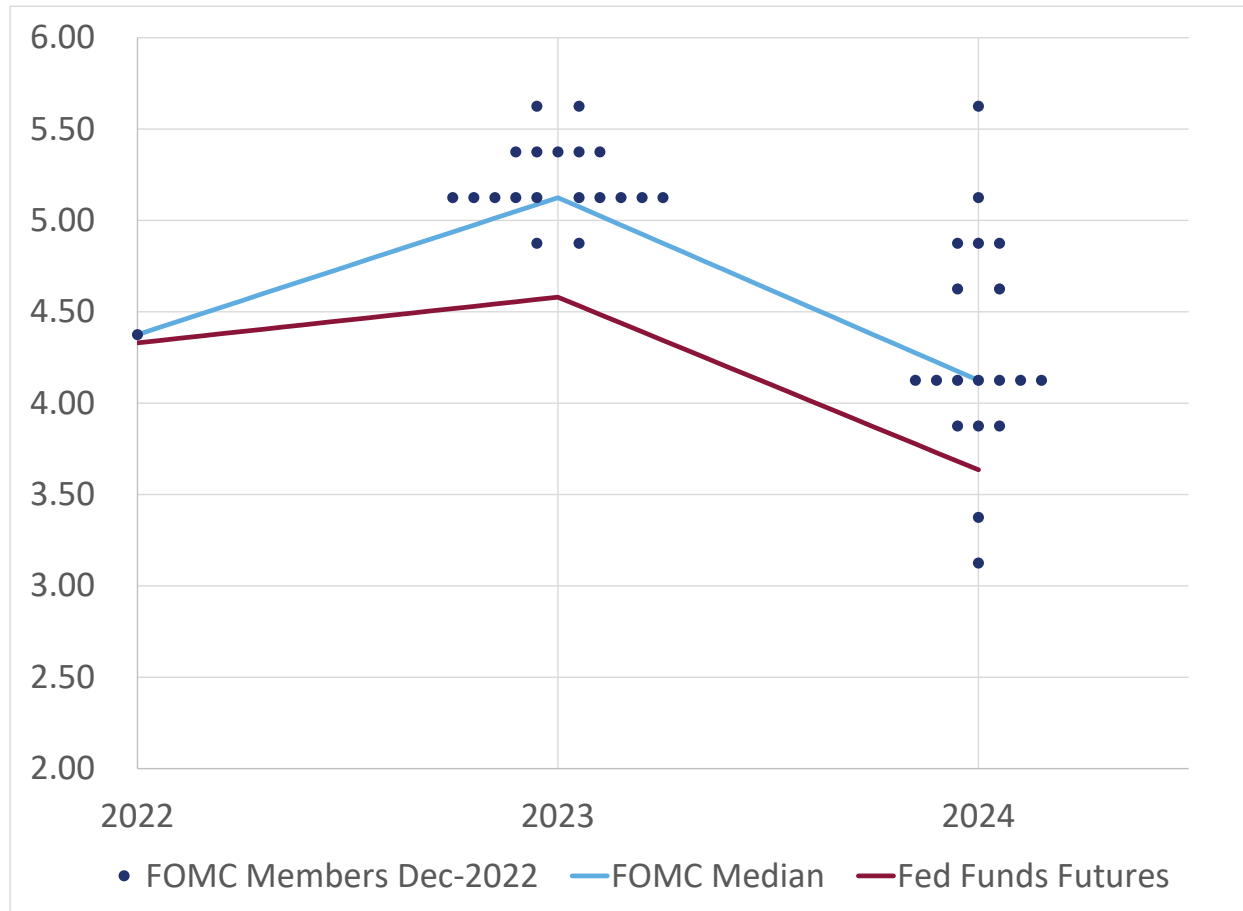
Data Sources: Bloomberg

The Fed: Zero Rates & QE to \$8T and Beyond...



Data Source: Bloomberg

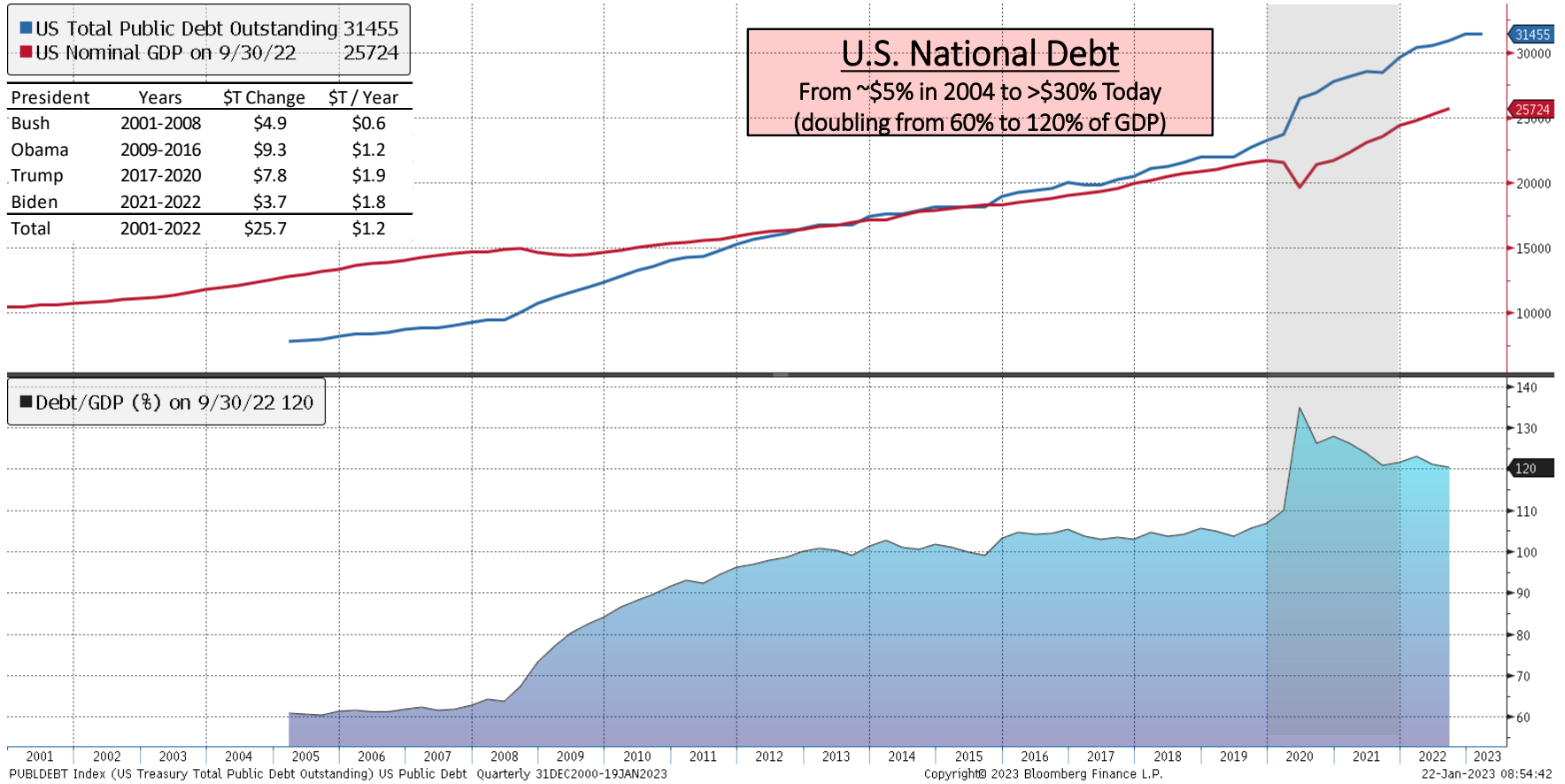
The Fed Outlook vs. Market Consensus



- The market's Dec 2023 implied Fed Funds Rate is below every FOMC member's forecast
- Why the divergence: A Fed credibility issue or just a difference in view?
- How might this play out?
 - What if the Fed's wrong?
 - What if the market is wrong?

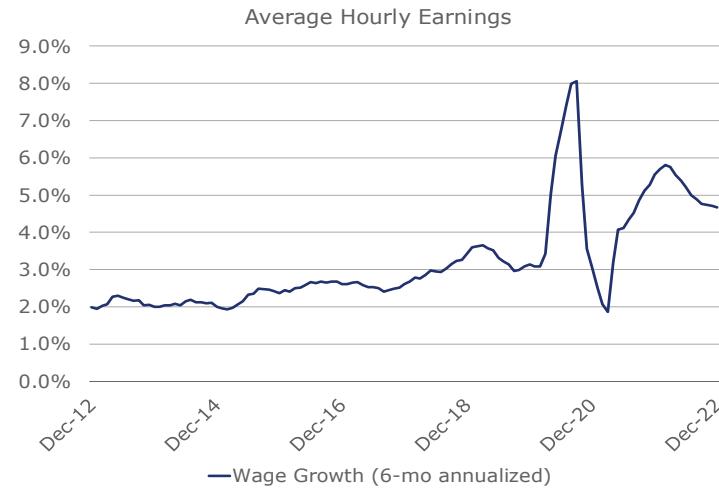
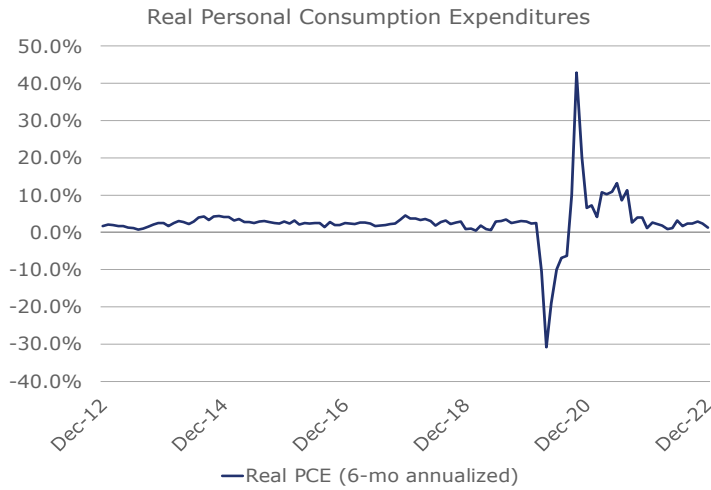
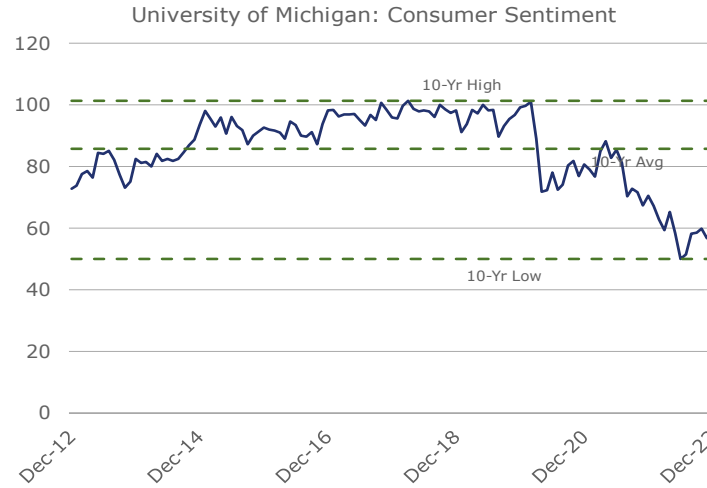
Data Source: Bloomberg

A Secular Explosion in National Debt: “We’re Not in Kansas Anymore”



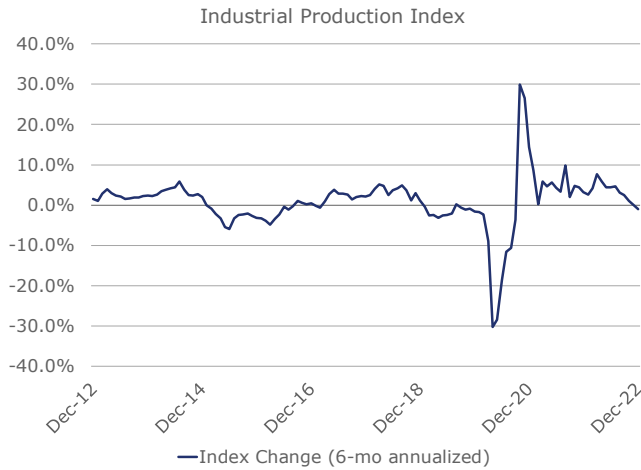
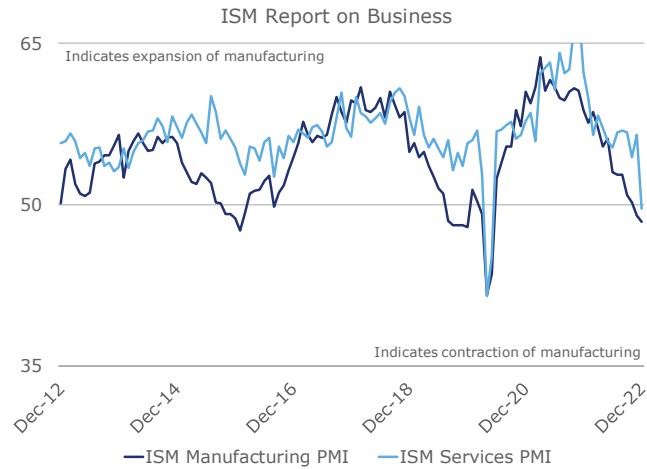
Data Source: Bloomberg

Consumer Activity



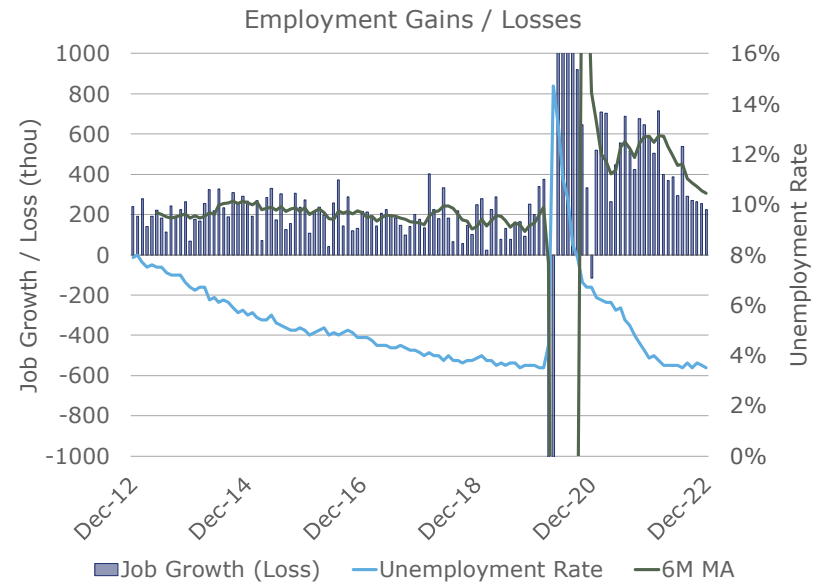
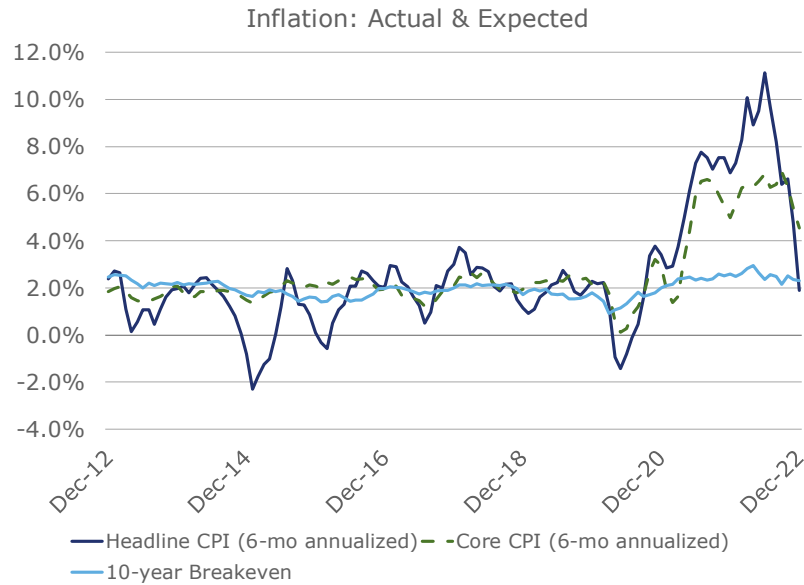
Data Source: Bloomberg

Business Activity



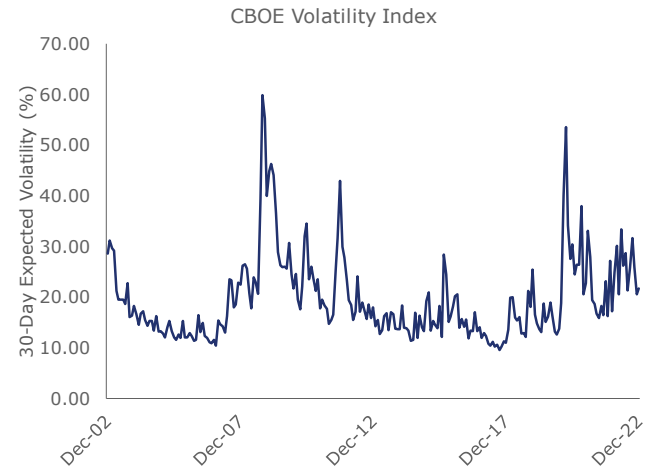
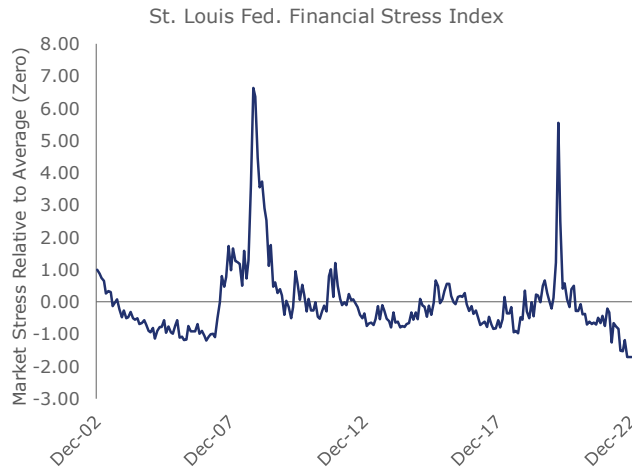
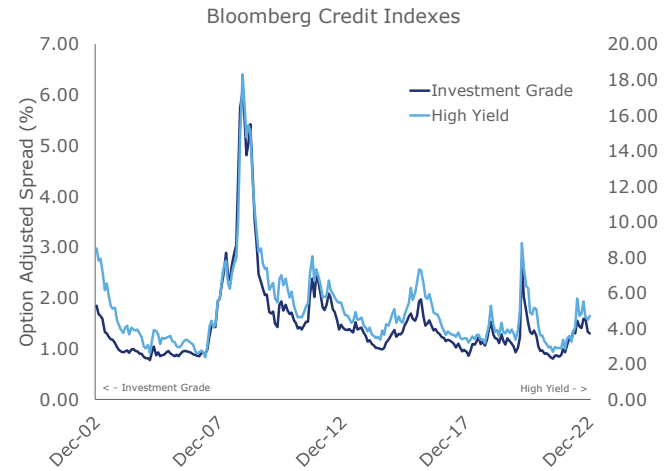
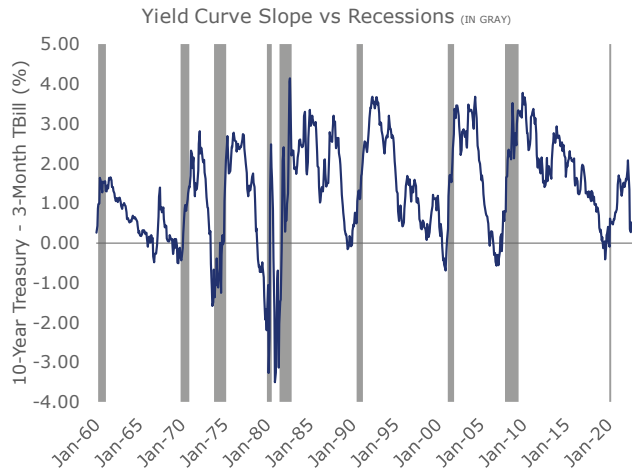
Data Source: Bloomberg

Inflation and Employment



Data Source: Bloomberg

Risk Monitor



Data Sources: Bloomberg

Kentucky Public Pensions Authority

Performance and Asset Allocations

Quarter Ending: December 31, 2022

What’s going on in the marketplace?

The story for 2022 was one of lower highs and lower lows with persistent volatility. The 12-month period was macro-driven as decades high inflation levels and aggressive Fed tightening were the central storylines with the regime transitioning from historically easy monetary policy to one of rapid tightening across the world. The unprecedented pace of the policy shift caused a repricing of risk assets as the “everything bubble” burst, best explained by a collapse of multiples with the formerly high-flying growth sectors of the market hit especially hard.

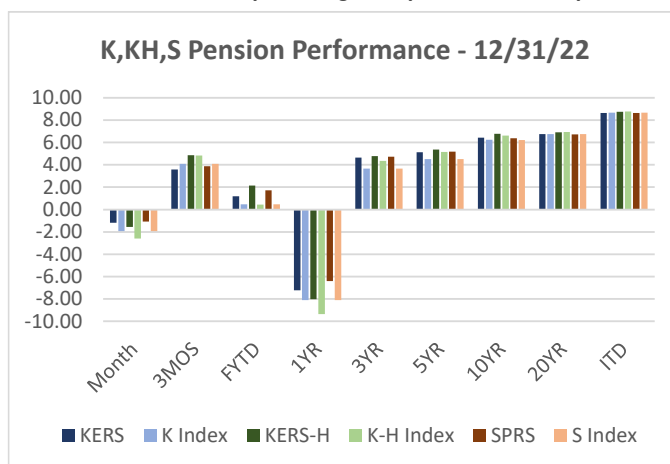
The 2022 calendar year marked the worst performance of the traditional 60/40 equity/fixed income portfolio in the last 80 years. From an equity style perspective, there was nowhere to hide; however, large cap value held up relatively well, falling ‘only’ -7.5% for the year. The large cap growth segment of the market got hit hardest, losing -29.1%, primarily due to weakness in high multiple large cap technology names. From a sector perspective, the information technology, consumer discretionary, and communication services sector all fell more than 30% during the year. Utilities and consumer staples remained relatively flat. The only sector to experience meaningful positive performance was the energy sector which was up roughly 60%. From a factor perspective, quality as defined by operating margin, return on equity, return on invested capital, and future cash flow growth led the market. Companies with higher leverage and limited liquidity were punished.

The high levels of inflation and the actions of global central banks to combat it were the central narrative of 2022. While the balance of data is beginning to indicate that inflation may have peaked and could soon start to roll over, the full potential of the damage to markets and the economy remains uncertain. The probability that the Fed may be near the end of their hiking cycle is rising as goods and commodity inflation has begun to abate. However, stickier pockets like wages and housing are likely to remain elevated, and as such price normalization across the economy is likely to take longer than once hoped. The balance may be that inflation remains elevated for longer than markets currently anticipate, and rates remain higher for longer than markets are pricing.

Volatility is likely to remain elevated in 2023 as the likelihood of a global recession is considered a certainty by many market participants, with only the depth and duration seemingly being debated. While 2022 performance was driven by a risk derating (multiple compression), 2023 is likely to be driven by earnings, which are likely to be weaker in response to a slowing global economy.

The KPPA Pension Trust portfolio fell -1.62% during the month of December, providing 100bps of downside protection versus a blended benchmark.

The KRS Pension Composite produced a -1.24% return during the month. The KERS and SPRS Pension portfolios returned -1.18% and -1.08% respectively, while their benchmark fell -1.94%. The KERS-H Pension portfolio declined -1.56% versus its benchmark return of -2.60%. All three funds outperformed their respective benchmarks with similar drivers of attribution. All three plans benefited from strong selection in the Fixed Income allocation (both in the Core and Specialty Credit spaces), and solid relative performance from the public equity allocation, more specifically from the U.S. Equity allocation. The overweight to Fixed Income was additive in terms of



relative performance, most notably in the KERS and KERS-H plans. All three plans were helped by their overweight cash positions during a volatile market period. Partially offsetting positive relative outperformance, was the underweight to both the Real Return and Real Estate allocations.

For the fiscal year-to-date, the KPPA Pension Trust portfolio gained 2.05%, outperforming the benchmark return of 0.36% while the KRS Pension Composite returned 1.43%. The KERS and SPRS Pension portfolios returned 1.19% and 1.73%, against a benchmark return of 0.47%. The KERS-H Pension portfolio gained 2.15% while its benchmark returned 0.43%. All three funds outperformed due to similar attribution drivers. Relative outperformance was driven by solid performance in the Private Equity, Core Fixed Income, and Public Equities portfolios, most notably within the international strategies. The portfolios benefitted from their overweights to cash during a volatile period. The underweights to Real Estate and Real Return partially offset relative outperformance for all three plans.

Global equity markets were weaker during the month of December, as evidenced by the MSCI ACWI Index returning -3.94%. Domestic markets were significantly weaker than their Non-US market counterparts (R3000: -5.86% versus MSCI ACWI Ex-US: -0.62%). This brought the fiscal year return for global equity markets to 2.28%.

US equity markets fell -5.86% during the month (Russell 3000), while the KPPA portfolio fared slightly better, returning -5.43%. All market segments were significantly weaker; with value holding up better than growth (R3000V: -7.58% versus R3000G: -4.18%). Despite the negative absolute return, individual strategies provided positive relative performance.

For the first two quarters of the fiscal year, the KPPA US Equity portfolio gained 2.96% compared with its benchmark return of 2.40%. During the period, mid-caps significantly outperformed both their small and large cap counterparts (MC: 8.05% versus R2000: 3.91% versus SP500: 2.31%). Value significantly outperformed growth (5.95% versus -1.13%) during the period. The KPPA portfolio's relative outperformance has been driven by its slight overweight down market cap and tilt value.

NonUS equity markets returned -0.62% (MSCI ACWI Ex-US) during the month. Developed markets returned -0.45% (MSCI World Ex-US) during the period while emerging markets fell -1.45% (MSCI EM). The KPPA portfolio lost -0.70% during the month, trailing the index by 8bps. Relative underperformance was driven by stock selection, as most individual mandates struggled.

Fiscal year-to-date, Non-US markets rose 3.09%. Developed markets significantly outperformed their emerging market counterparts (5.66% versus -2.99%). The KPPA portfolio returned 4.65%, thanks to strong relative performance amongst the individual strategies, in particular the relative value and emerging market mandates.

The specialty credit portfolio outperformed its benchmark during the month, returning 0.53% versus -0.10%. The High Yield market declined (-0.62%) as spreads reversed in a continuation of the risk-off sentiment and rates rose. The leveraged loan segment of the market held up better as the Morningstar LSTA Leveraged Loan Index gained 0.42% during the month as quality outperformed better combined with less sensitive rate profile. During the first half of the fiscal year, the portfolio underperformed its benchmark, gaining 2.30% versus 3.85%. Individual strategy relative performance has been mixed fiscal year to date, especially with private market pricing playing catch-up, but continues to produce strong relative performance over longer periods.

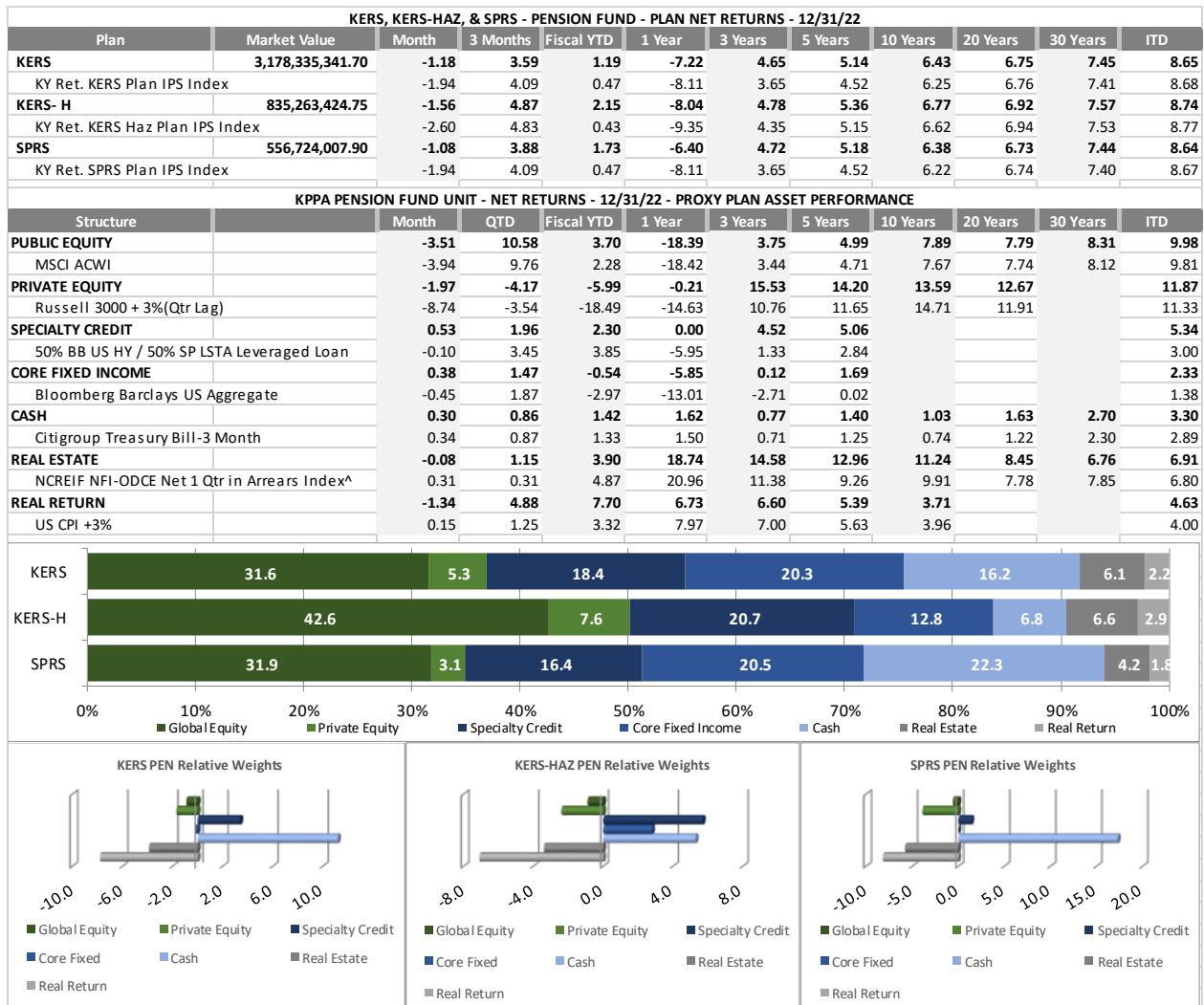
The core fixed income portfolio gained 38bps compared to the Bloomberg Aggregate Index return of -0.45%. Relative outperformance was attributable to positioning within the allocation; the portfolios remain underweight overall duration given rising rates and elevated volatility. Both shorter-term and intermediate credit market segments held up better. For the fiscal year, the portfolio returned -0.54% compared to the benchmark return of -2.97%.

The private equity allocation fell -1.97% during the month, bringing the fiscal year return to -5.99%. Trailing public marks have significantly affected the overall performance of the portfolio, the 1-year return crossed into negative territory, now at -0.21% as of 12/31/22.

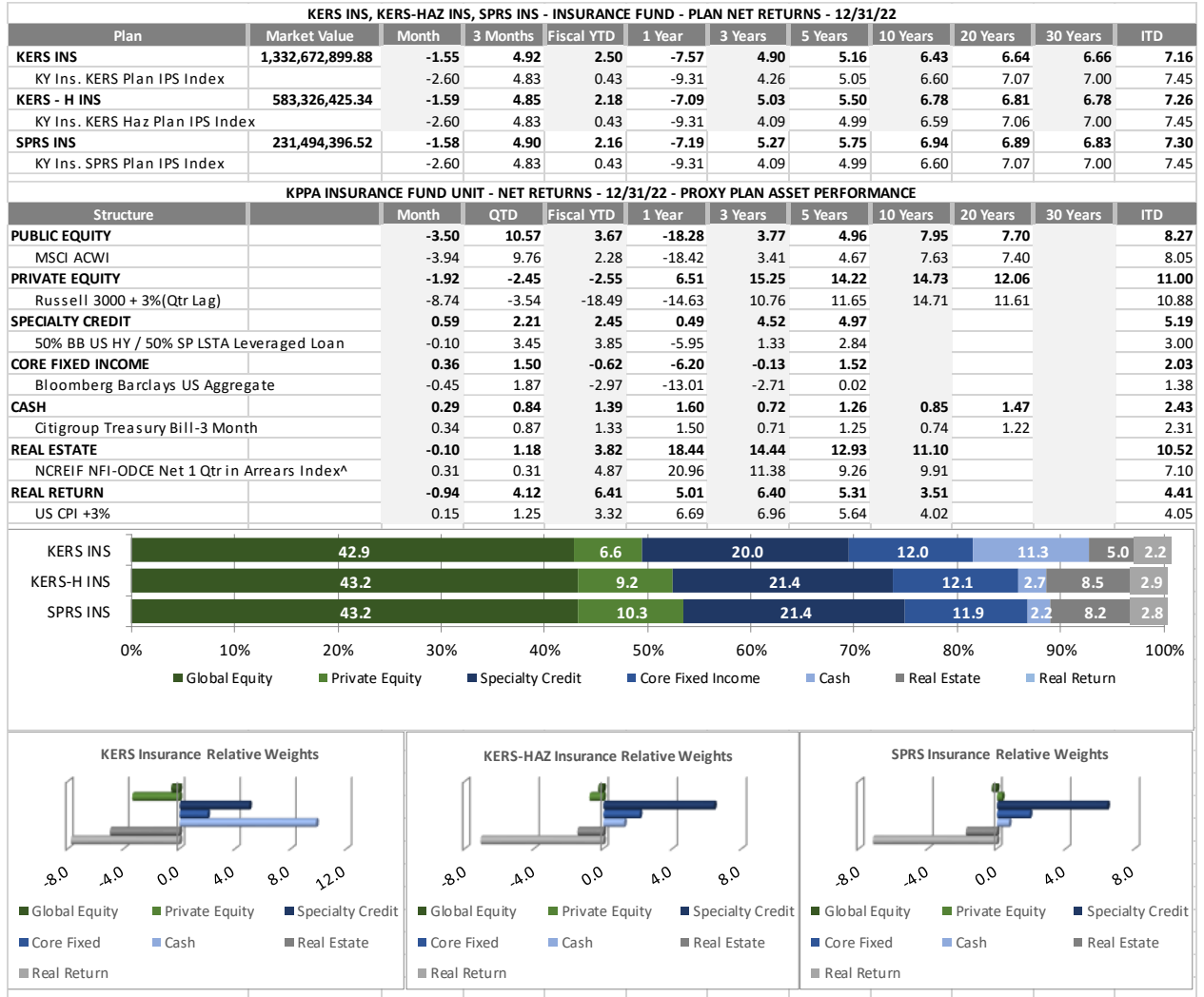
The real return portfolio fell -1.34% during the month, compared to its benchmark return of 0.15%. As with several of the previous month, performance was driven by the MLP portion of the portfolio (approximately 40% of the allocation); the investment was down -4.81%. For the fiscal year, the portfolio has returned 7.70%, bringing the 1-year return to 6.73%.

Real estate remained relatively flat during the month, falling 8bps. The latest quarter performance of 1.15% brought the 1-year return to 18.74% versus 20.96%. The portfolio has benefitted from recent strength in industrial, multi-family, student housing, and storage properties.

The cash portfolio returned 0.30% during the month compared with the 3-month T-bill's 0.34%. This brought the fiscal year return to 1.42% (versus 1.33%).

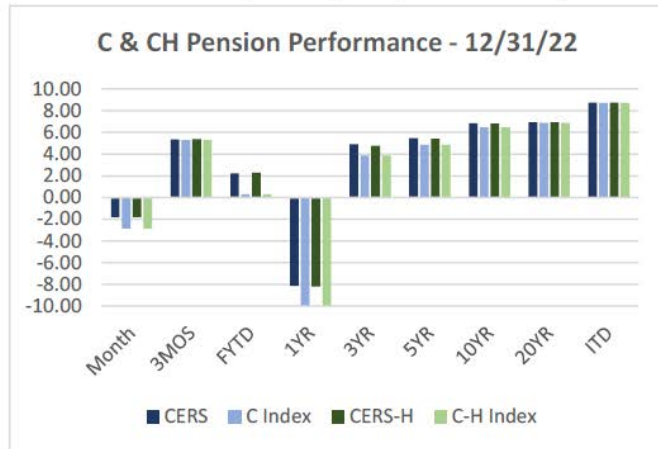


KPPA Board Meeting - Investment Department Update



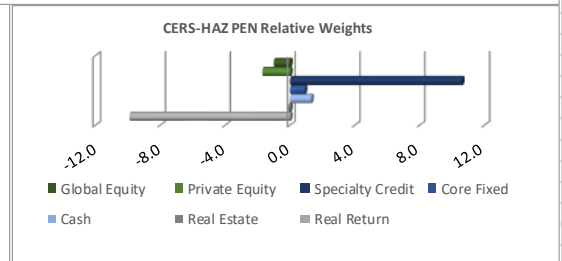
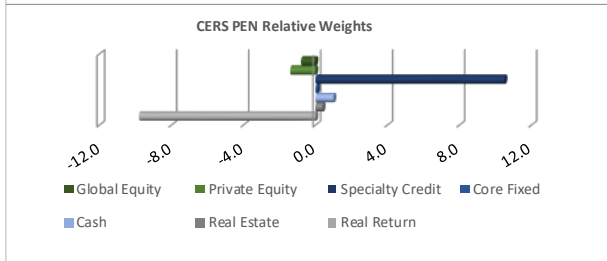
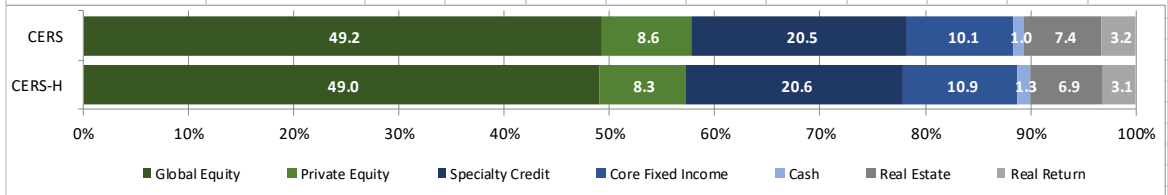
The KPPA Pension Trust portfolio fell -1.62% during the month of December, providing 100bps of downside protection versus a blended benchmark.

The CERS Pension Composite produced a -1.79% return during the month. The CERS and CERS-H Pension portfolios both returned -1.79%, while their benchmark fell -2.86%. Both funds outperformed their benchmark with similar drivers of attribution. The plans benefitted from strong selection in the Specialty Credit allocation, and solid relative performance from the public equity allocation, more specifically from the U.S. Equity allocation. Further, the Private Equity allocation bolstered relative performance. The overweight to Specialty Credit was additive in terms of relative performance.

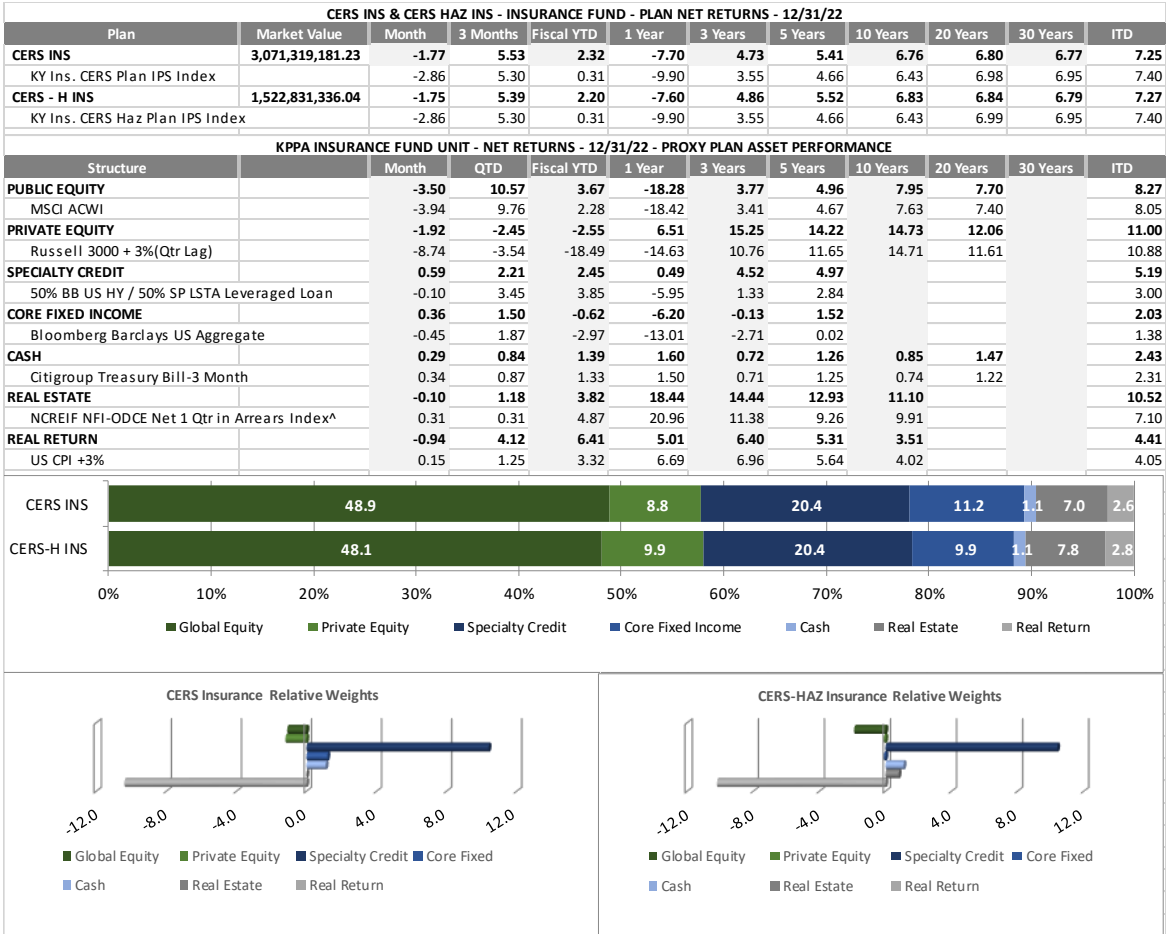


CERS & CERS-HAZ - PENSION FUND PLAN NET RETURNS - 12/31/22											
Plan	Market Value	Month	3 Months	Fiscal YTD	1 Year	3 Years	5 Years	10 Years	20 Years	30 Years	ITD
CERS	8,060,882,719.22	-1.79	5.36	2.24	-8.14	4.91	5.48	6.84	6.95	7.59	8.76
KY Ret. CKERS Plan IPS Index		-2.86	5.30	0.31	-9.90	3.87	4.86	6.47	6.87	7.48	8.74
CERS- H	2,769,866,675.03	-1.79	5.41	2.28	-8.22	4.80	5.42	6.81	6.94	7.58	8.75
KY Ret. CERS Haz Plan IPS Index		-2.86	5.30	0.31	-9.90	3.87	4.86	6.47	6.87	7.48	8.74

KPPA PENSION FUND UNIT - NET RETURNS - 12/31/22 - PROXY PLAN ASSET PERFORMANCE											
Structure	Month	QTD	Fiscal YTD	1 Year	3 Years	5 Years	10 Years	20 Years	30 Years	ITD	
PUBLIC EQUITY	-3.51	10.58	3.70	-18.39	3.75	4.99	7.89	7.79	8.31	9.98	
MSCI ACWI	-3.94	9.76	2.28	-18.42	3.44	4.71	7.67	7.74	8.12	9.81	
PRIVATE EQUITY	-1.97	-4.17	-5.99	-0.21	15.53	14.20	13.59	12.67		11.87	
Russell 3000 + 3%(Qtr Lag)	-8.74	-3.54	-18.49	-14.63	10.76	11.65	14.71	11.91		11.33	
SPECIALTY CREDIT	0.53	1.96	2.30	0.00	4.52	5.06				5.34	
50% BB US HY / 50% SP LSTA Leveraged Loan	-0.10	3.45	3.85	-5.95	1.33	2.84				3.00	
CORE FIXED INCOME	0.38	1.47	-0.54	-5.85	0.12	1.69				2.33	
Bloomberg Barclays US Aggregate	-0.45	1.87	-2.97	-13.01	-2.71	0.02				1.38	
CASH	0.30	0.86	1.42	1.62	0.77	1.40	1.03	1.63	2.70	3.30	
Citigroup Treasury Bill-3 Month	0.34	0.87	1.33	1.50	0.71	1.25	0.74	1.22	2.30	2.89	
REAL ESTATE	-0.08	1.15	3.90	18.74	14.58	12.96	11.24	8.45	6.76	6.91	
NCREIF NFI-ODCE Net 1 Qtr in Arrears Index^	0.31	0.31	4.87	20.96	11.38	9.26	9.91	7.78	7.85	6.80	
REAL RETURN	-1.34	4.88	7.70	6.73	6.60	5.39	3.71			4.63	
US CPI +3%	0.15	1.25	3.32	7.97	7.00	5.63	3.96			4.00	



KPPA Board Meeting - Investment Department Update

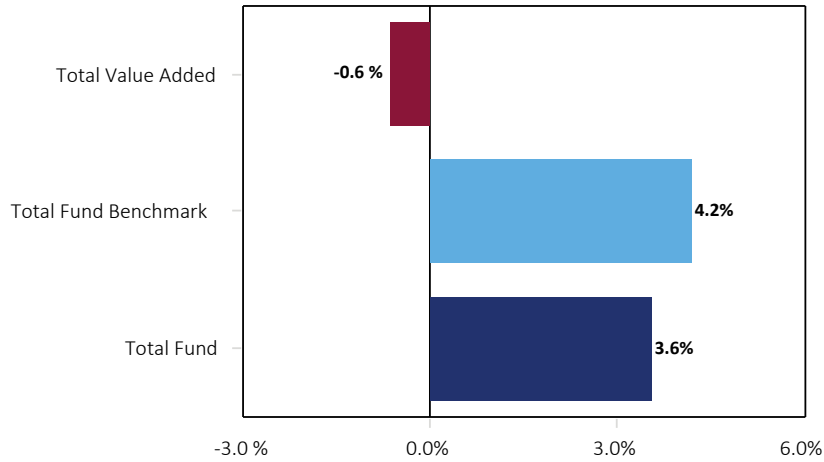


Total Fund Attribution

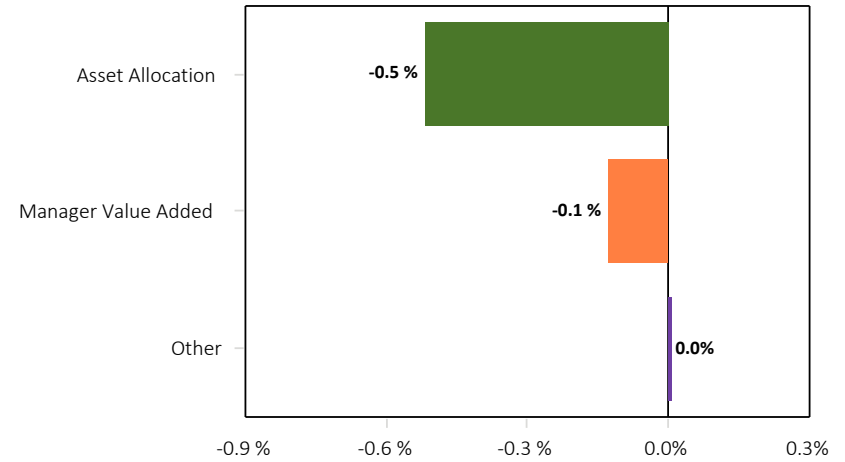
KERS Pension Plan

Periods Ended 1 Quarter Ending December 31, 2022

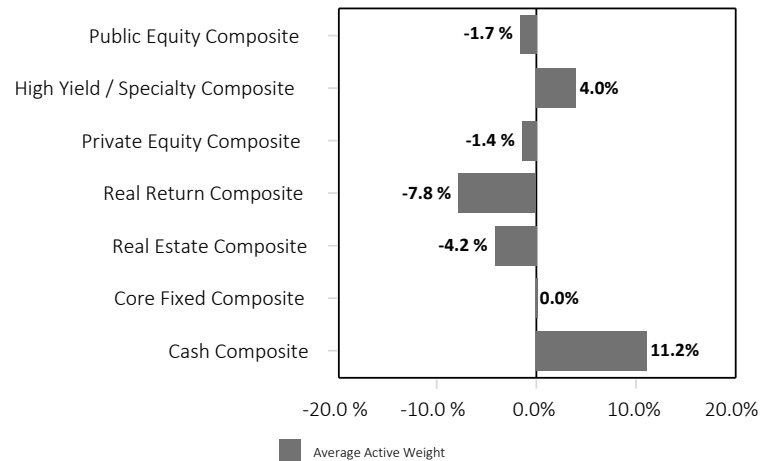
Total Fund Performance



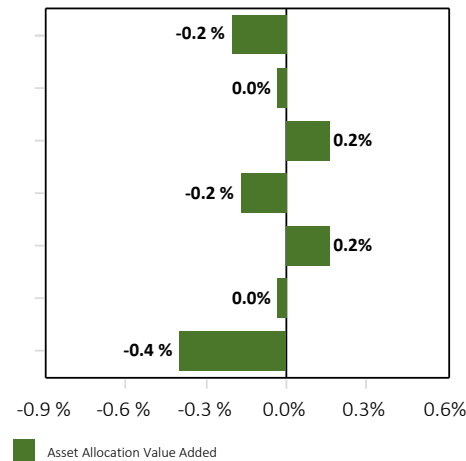
Total Value Added:-0.6 %



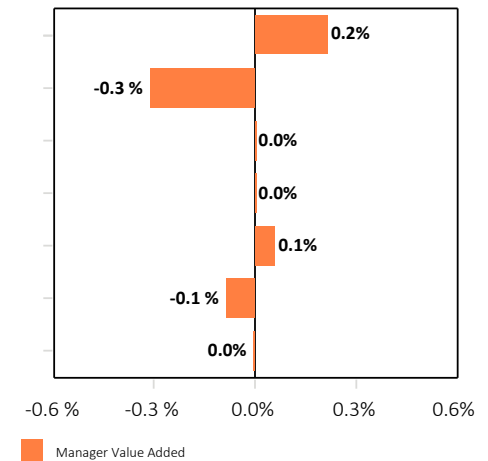
Total Asset Allocation:-0.5 %



Asset Allocation Value Added:-0.5 %



Total Manager Value Added:-0.1 %

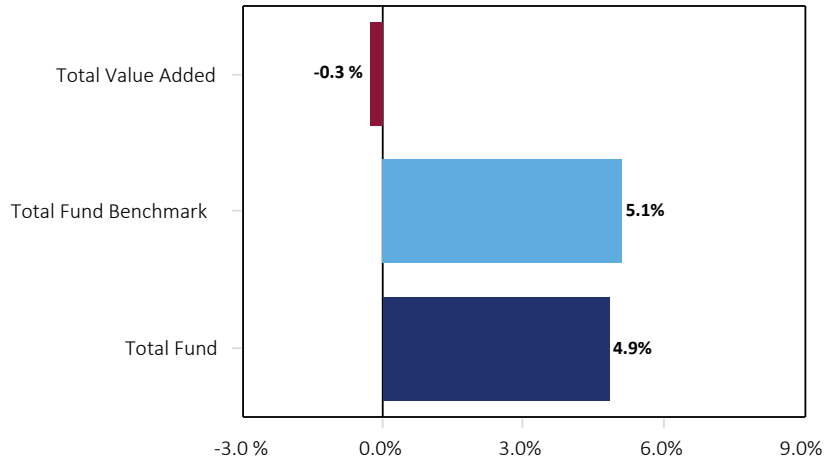


Total Fund Attribution

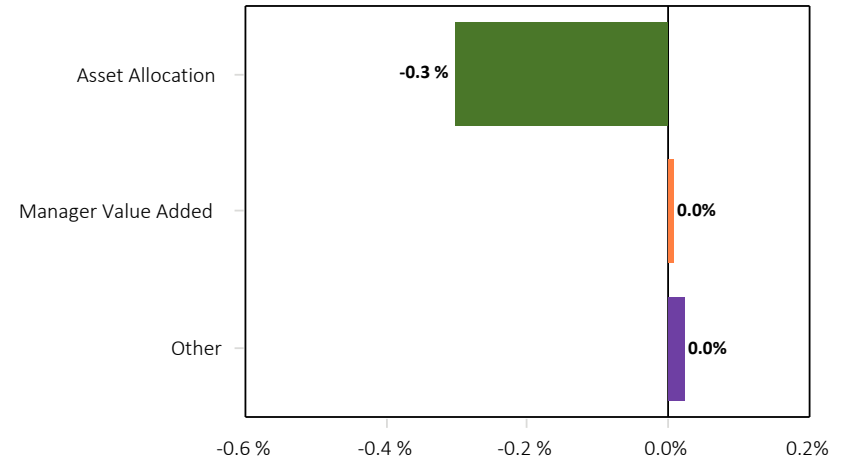
KERS (H) Pension Plan

Periods Ended 1 Quarter Ending December 31, 2022

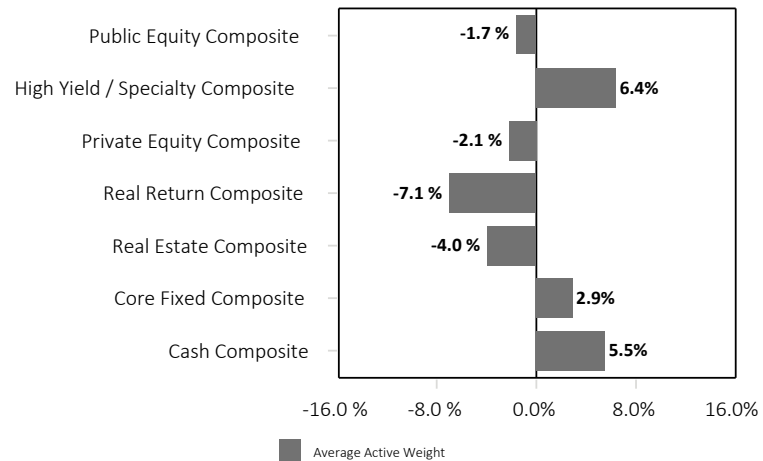
Total Fund Performance



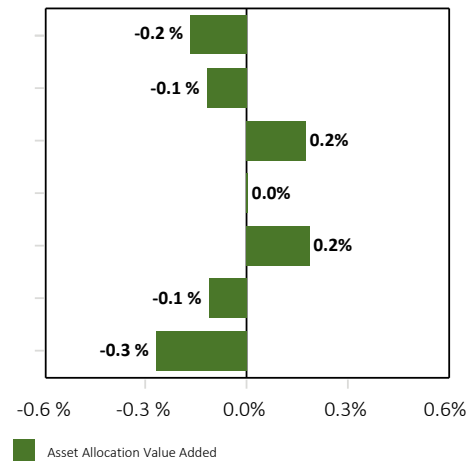
Total Value Added:-0.3 %



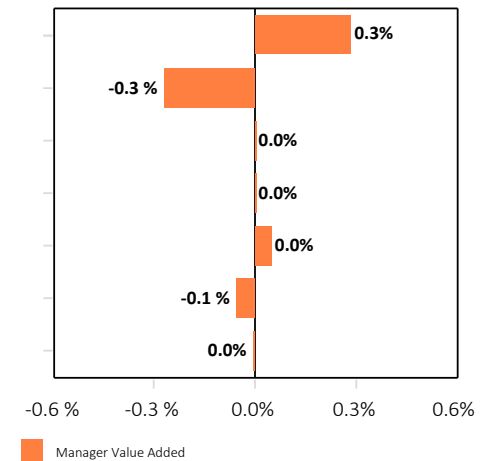
Total Asset Allocation:-0.3 %



Asset Allocation Value Added:-0.3 %



Total Manager Value Added:0.0%

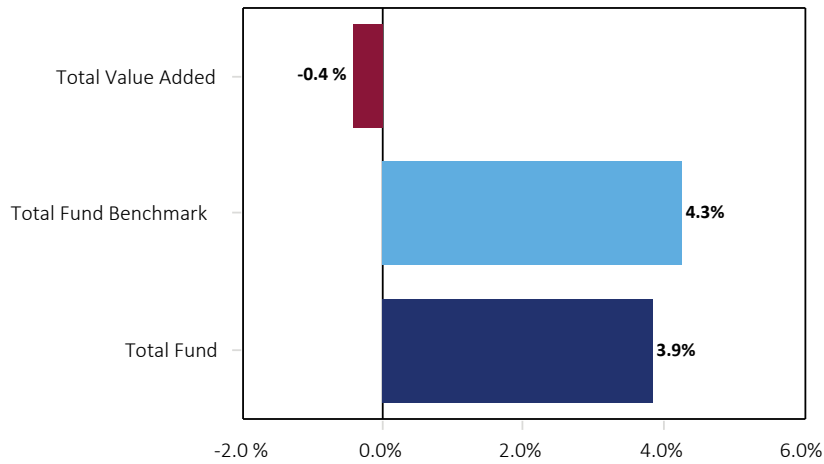


Total Fund Attribution

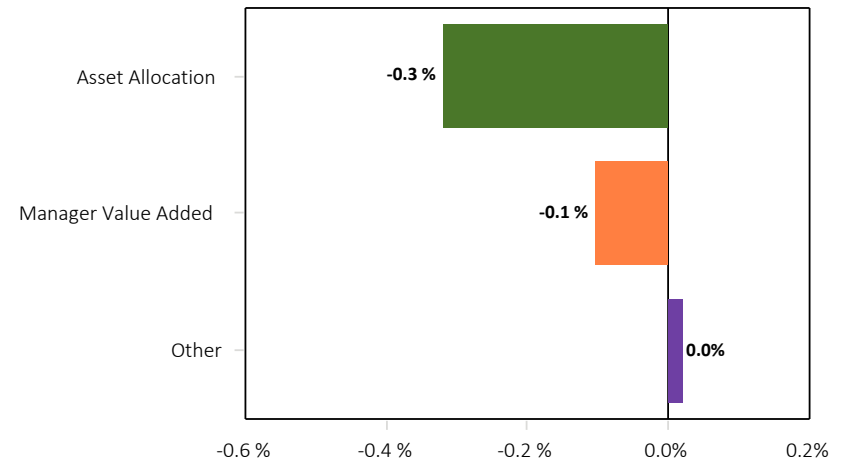
SPRS Pension Plan

Periods Ended 1 Quarter Ending December 31, 2022

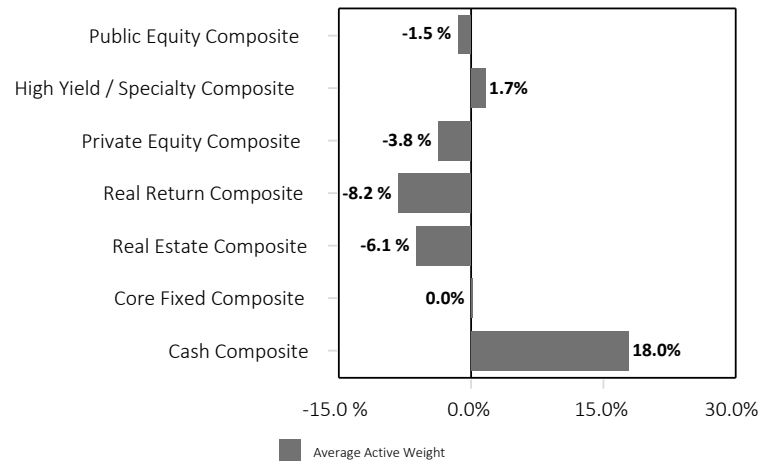
Total Fund Performance



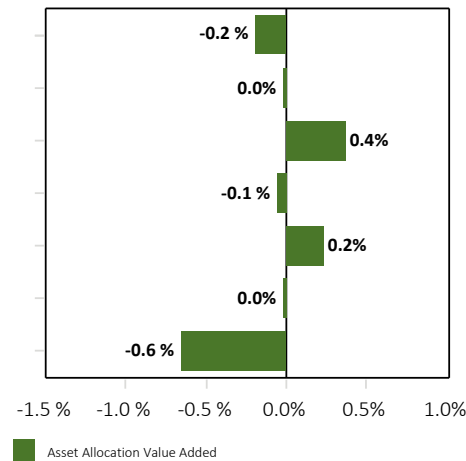
Total Value Added:-0.4 %



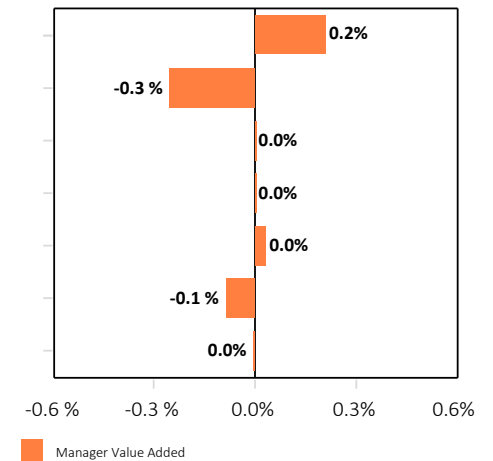
Total Asset Allocation:-0.3 %



Asset Allocation Value Added:-0.3 %



Total Manager Value Added:-0.1 %

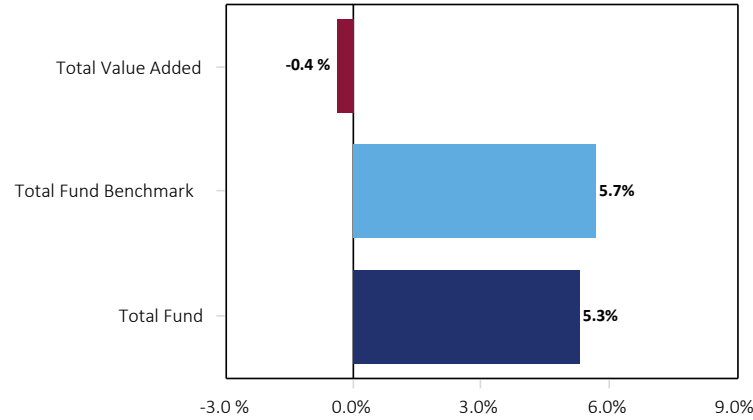


Total Fund Attribution

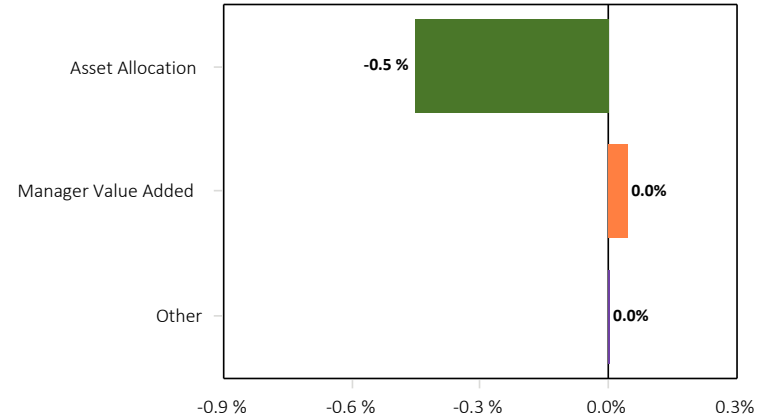
CERS Pension Plan

Periods Ended 1 Quarter Ending December 31, 2022

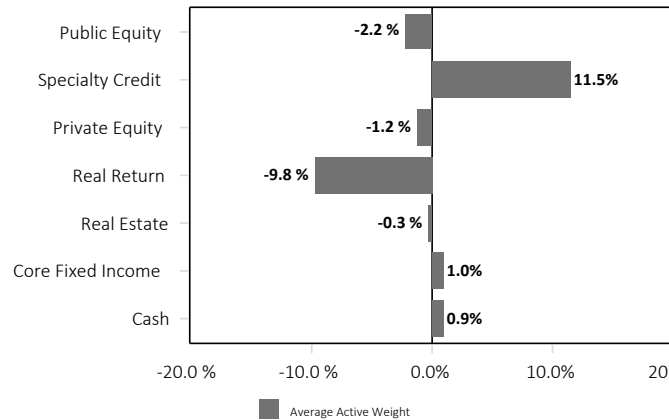
Total Fund Performance



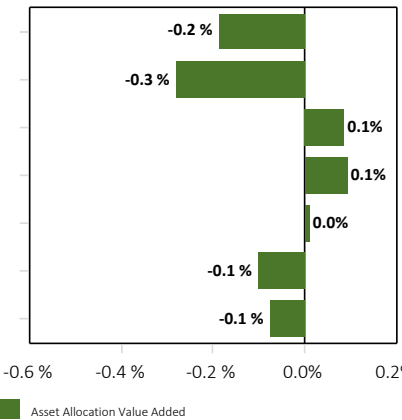
Total Value Added:-0.4 %



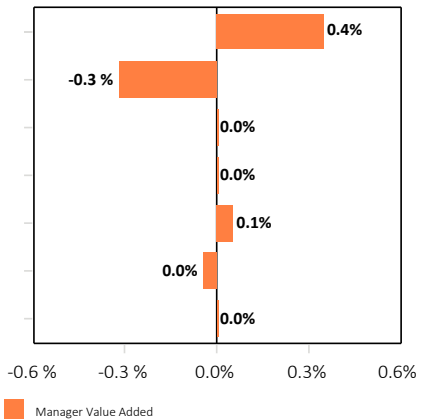
Total Asset Allocation:-0.5 %



Asset Allocation Value Added:-0.5 %



Total Manager Value Added:0.0%

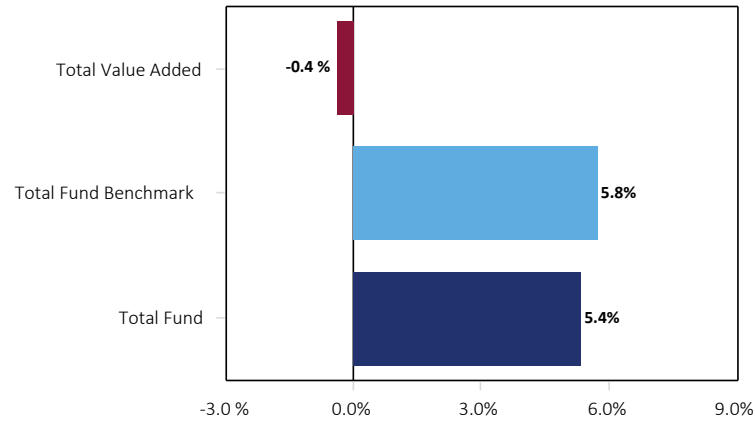


Total Fund Attribution

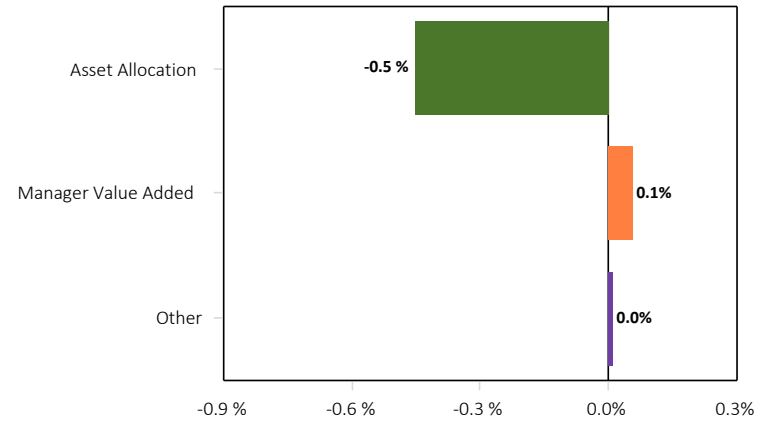
CERS (H) Pension Plan

Periods Ended 1 Quarter Ending December 31, 2022

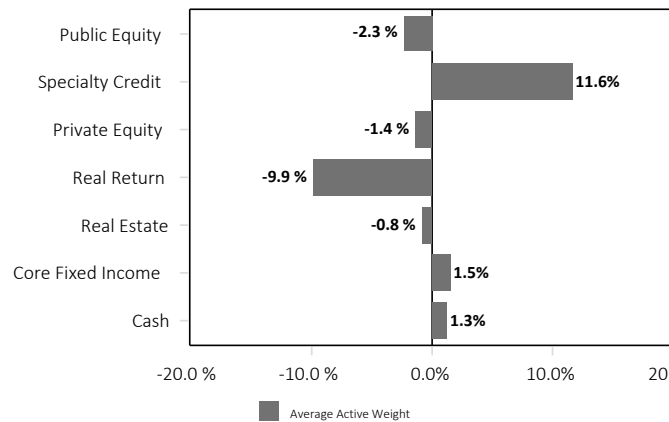
Total Fund Performance



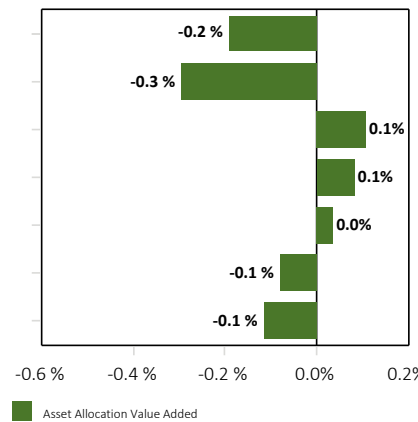
Total Value Added:-0.4 %



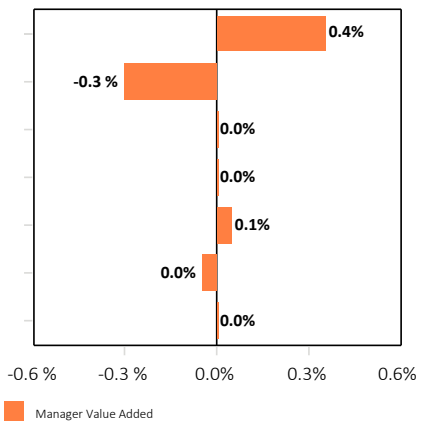
Total Asset Allocation:-0.5 %



Asset Allocation Value Added:-0.5 %



Total Manager Value Added:0.1%

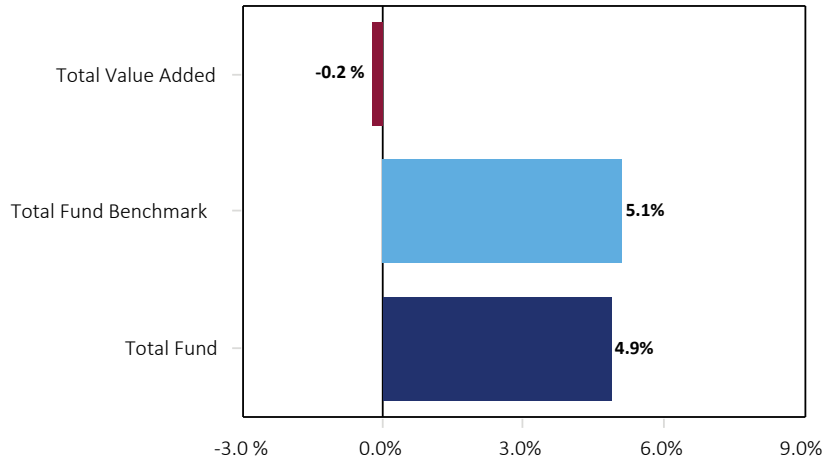


Total Fund Attribution

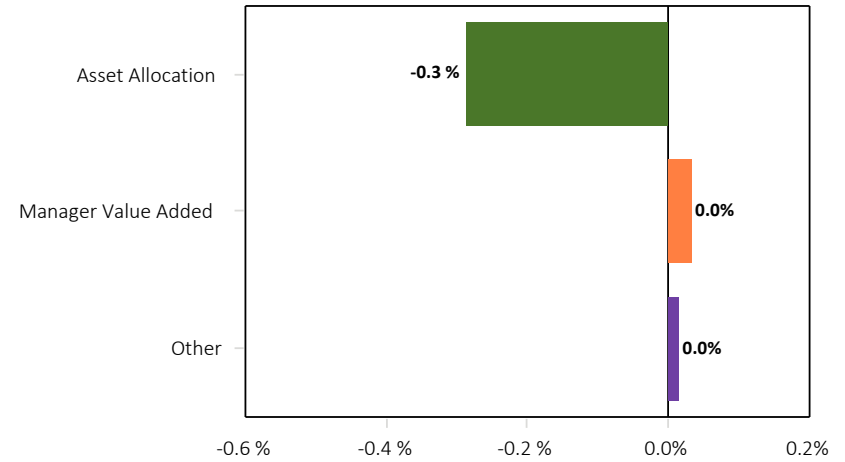
KERS Insurance Plan

Periods Ended 1 Quarter Ending December 31, 2022

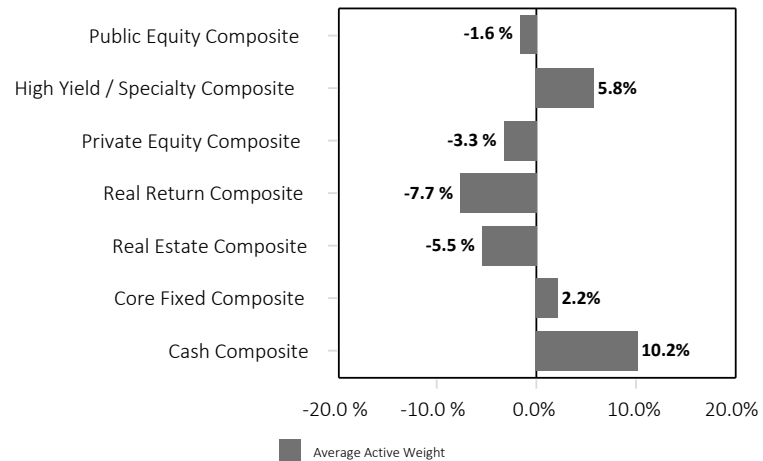
Total Fund Performance



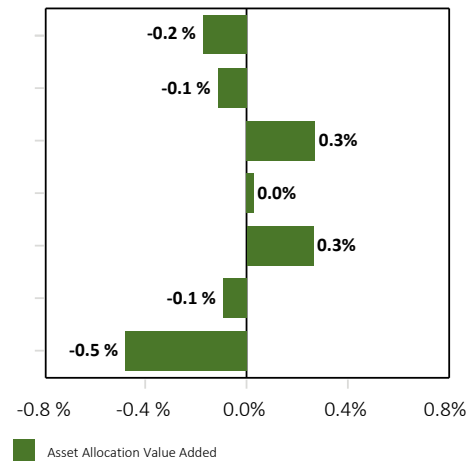
Total Value Added:-0.2 %



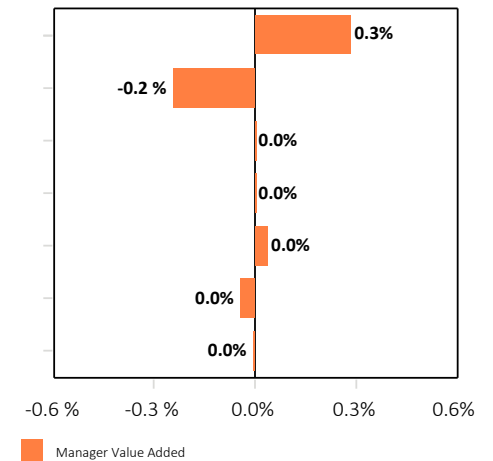
Total Asset Allocation:-0.3 %



Asset Allocation Value Added:-0.3 %



Total Manager Value Added:0.0%

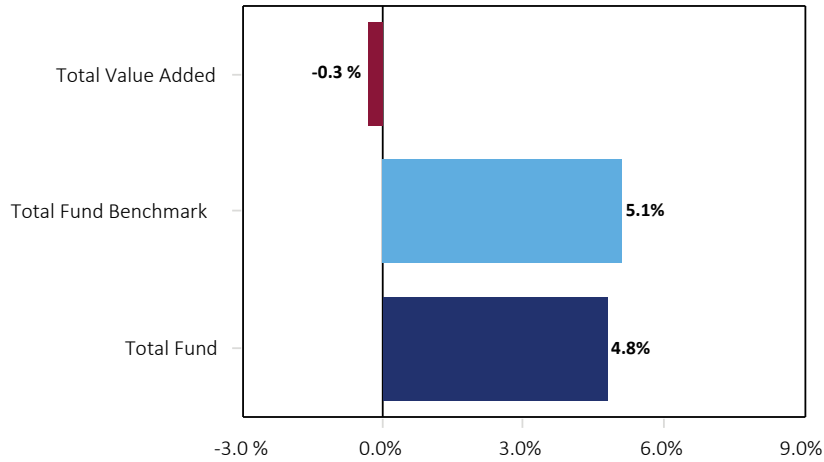


Total Fund Attribution

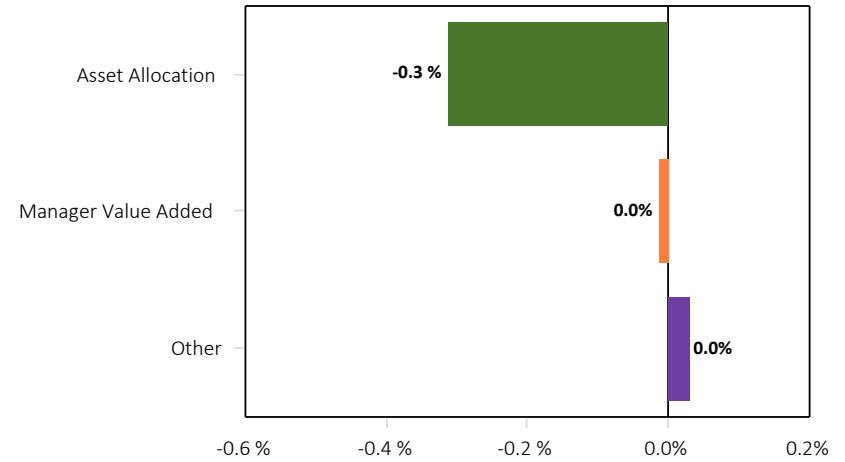
KERS (H) Insurance Plan

Periods Ended 1 Quarter Ending December 31, 2022

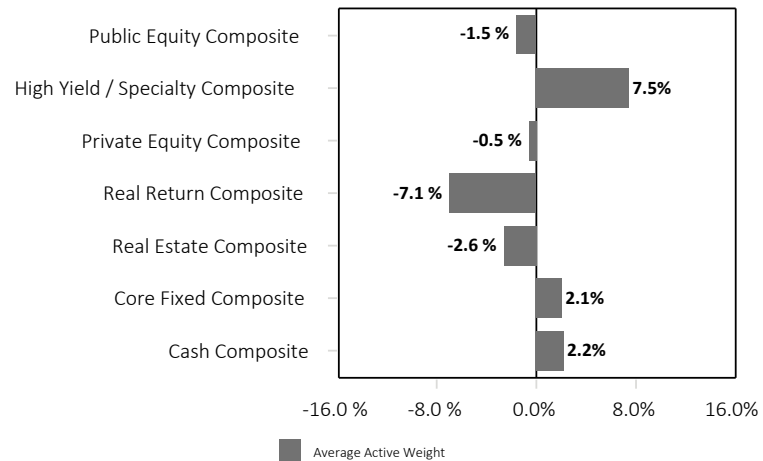
Total Fund Performance



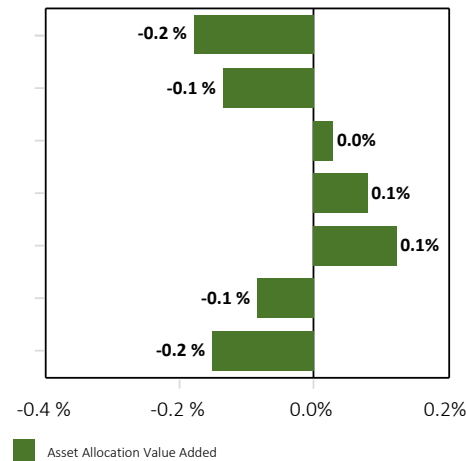
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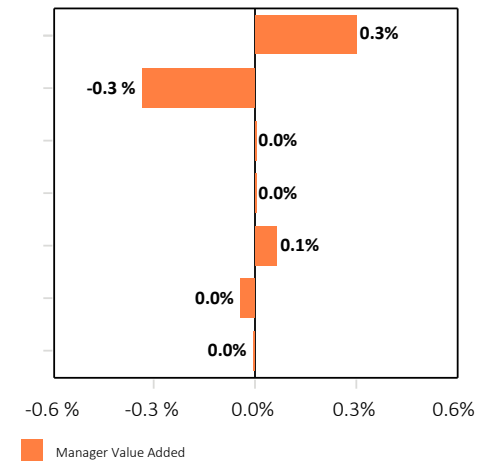
Total Asset Allocation:-0.3 %



Asset Allocation Value Added:-0.3 %



Total Manager Value Added:0.0%

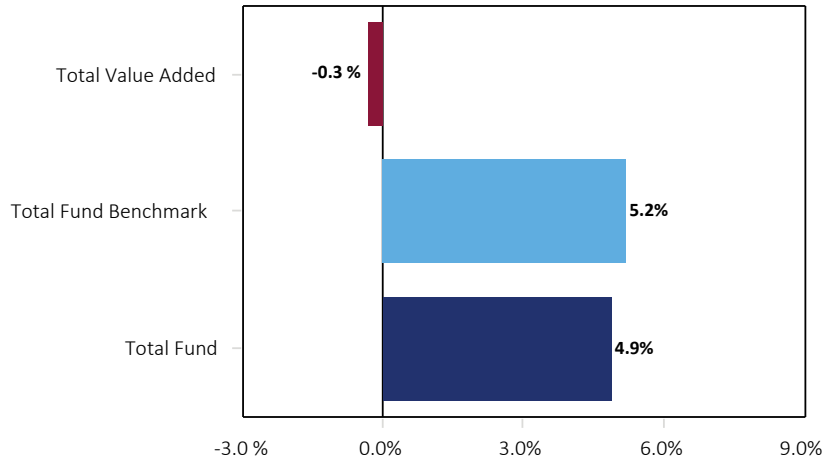


Total Fund Attribution

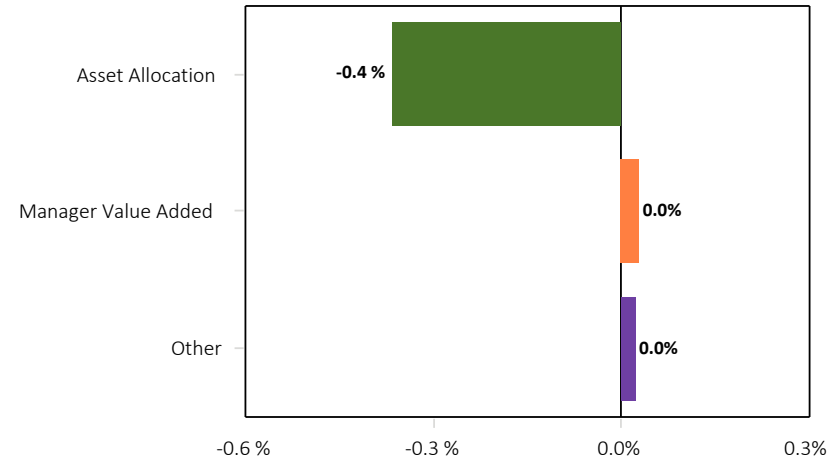
SPRS Insurance Plan

Periods Ended 1 Quarter Ending December 31, 2022

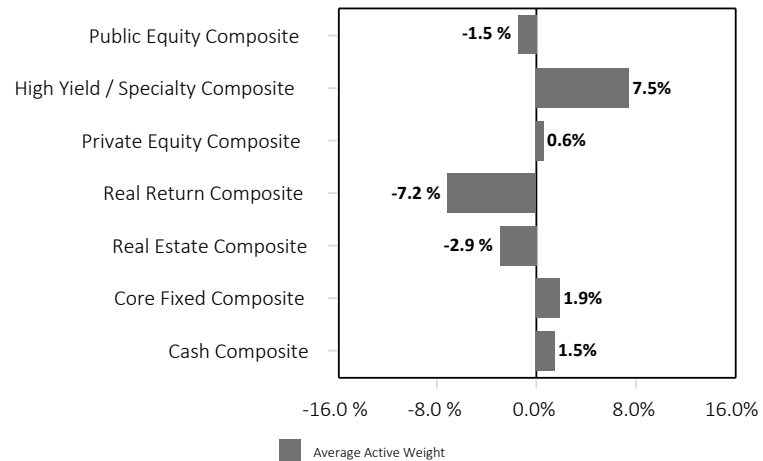
Total Fund Performance



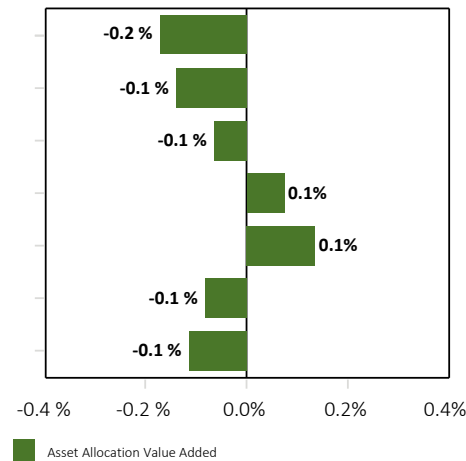
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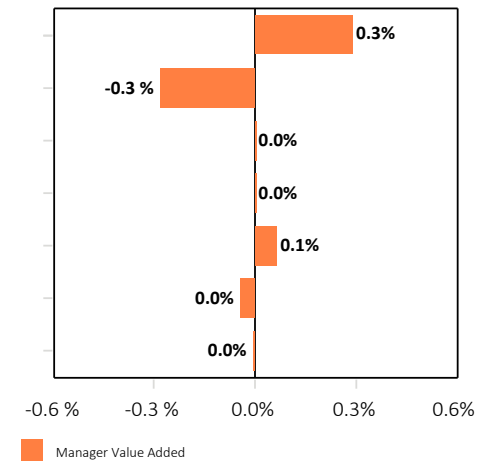
Total Asset Allocation:-0.4 %



Asset Allocation Value Added:-0.4 %



Total Manager Value Added:0.0%

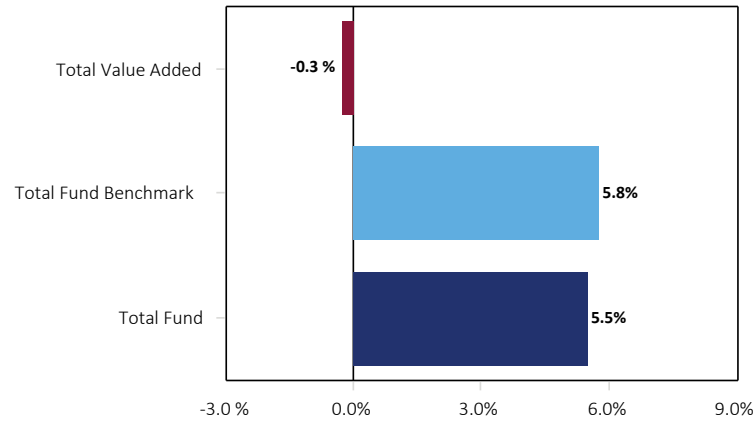


Total Fund Attribution

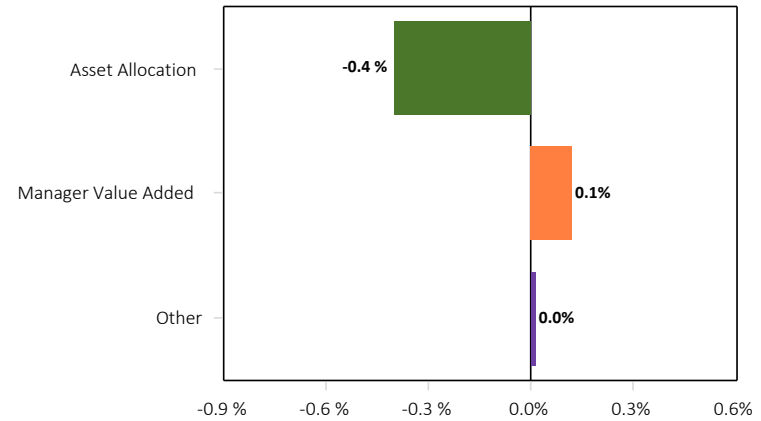
CERS Insurance Plan

Periods Ended 1 Quarter Ending December 31, 2022

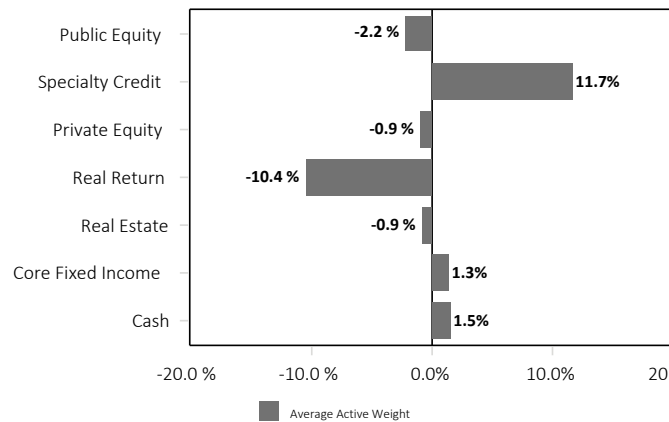
Total Fund Performance



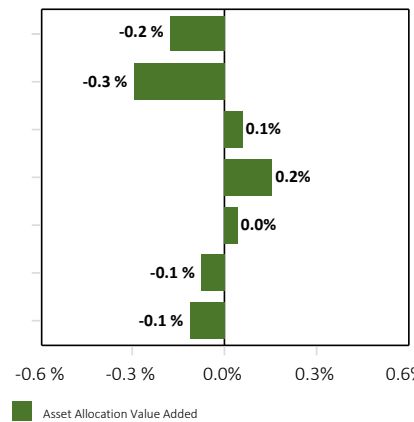
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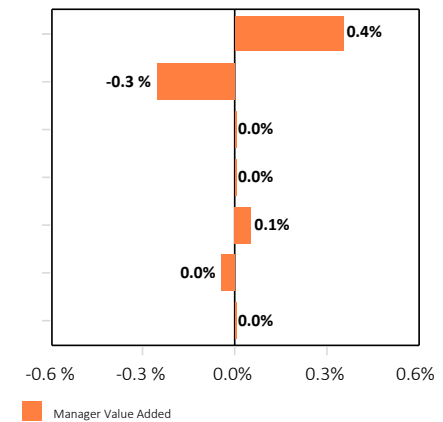
Total Asset Allocation:-0.4 %



Asset Allocation Value Added:-0.4 %



Total Manager Value Added:0.1%

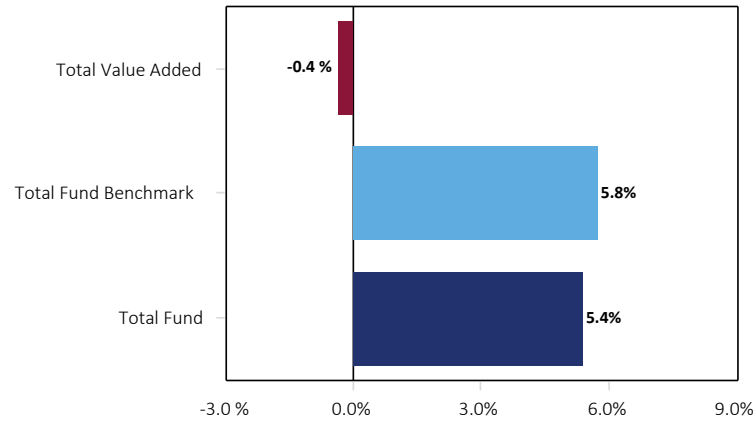


Total Fund Attribution

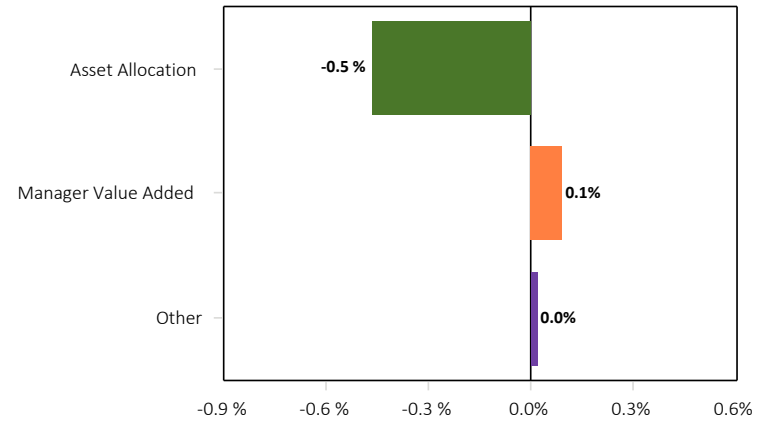
CERS (H) Insurance Plan

Periods Ended 1 Quarter Ending December 31, 2022

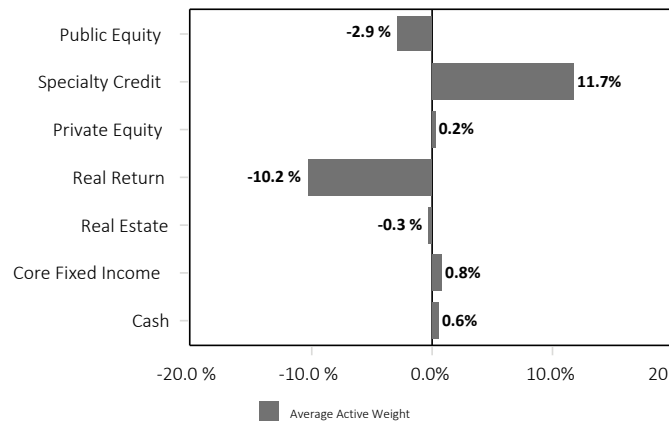
Total Fund Performance



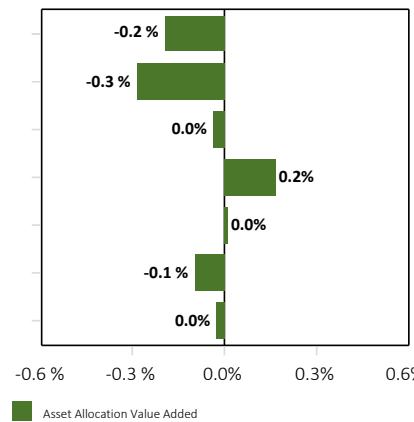
Total Value Added:-0.4 %



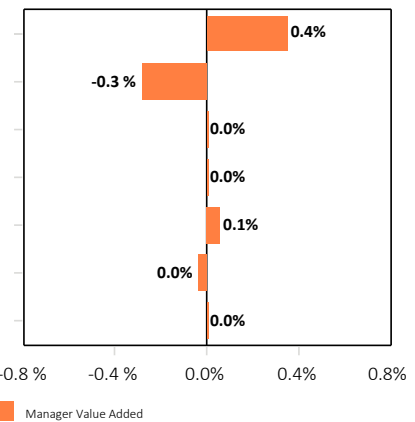
Total Asset Allocation:-0.5 %



Asset Allocation Value Added:-0.5 %



Total Manager Value Added:0.1%

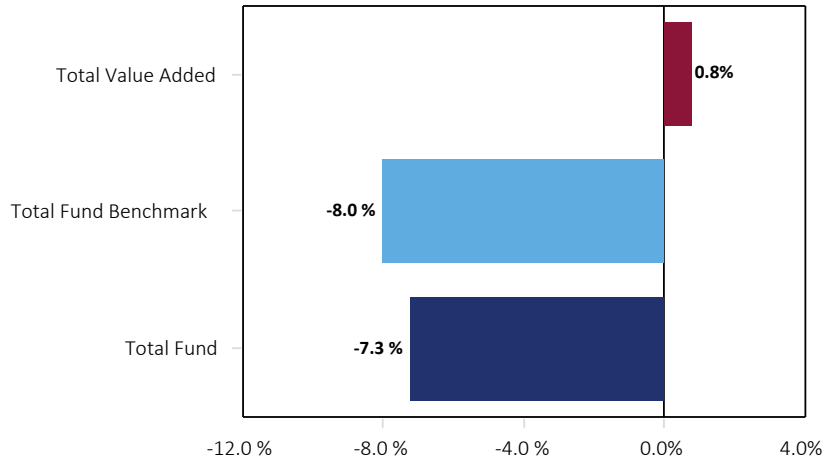


Total Fund Attribution

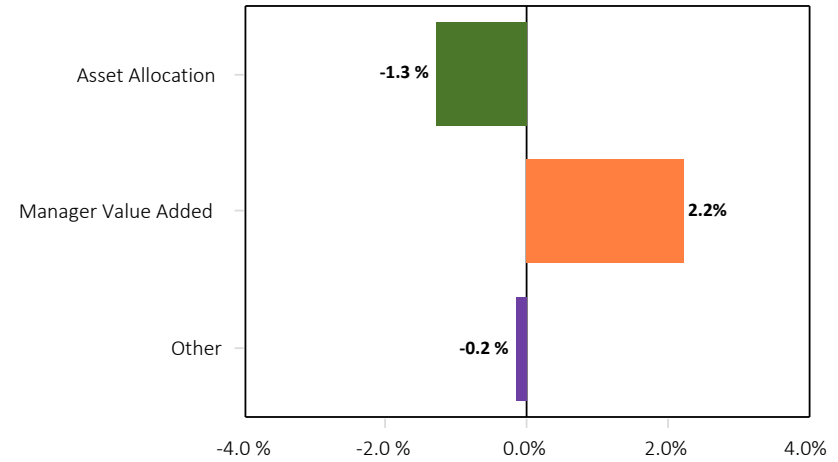
KERS Pension Plan

Periods Ended 1 Year Ending December 31, 2022

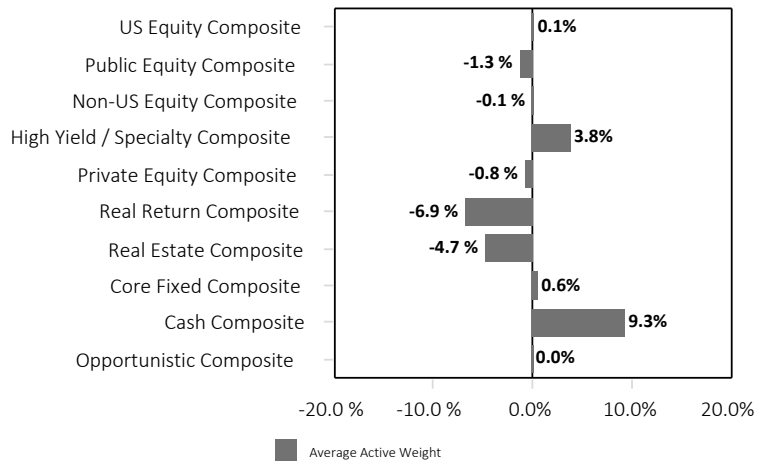
Total Fund Performance



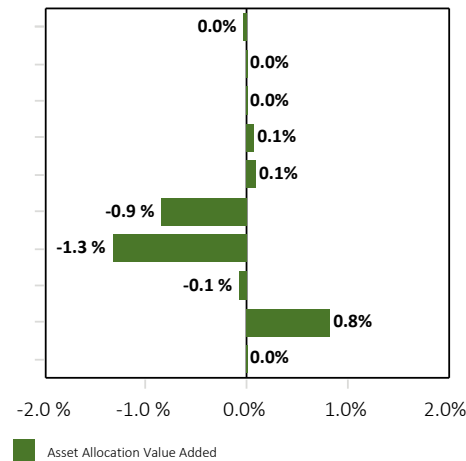
Total Value Added:0.8%



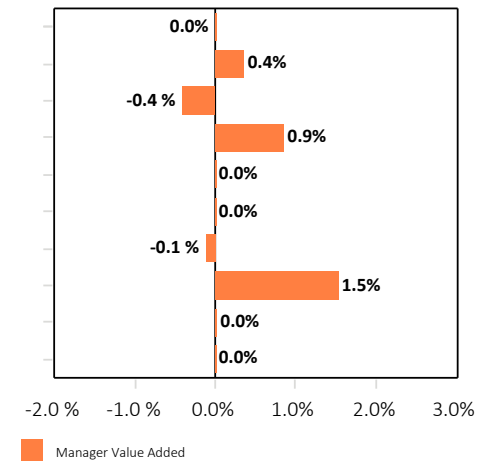
Total Asset Allocation:-1.3 %



Asset Allocation Value Added:-1.3 %



Total Manager Value Added:2.2%

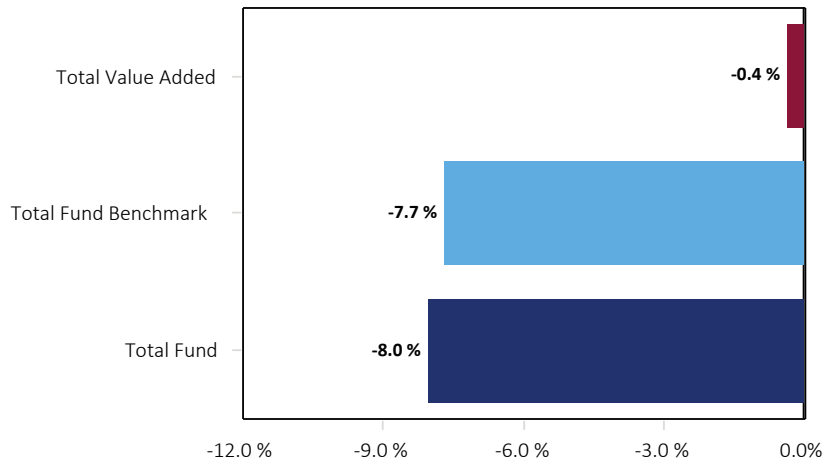


Total Fund Attribution

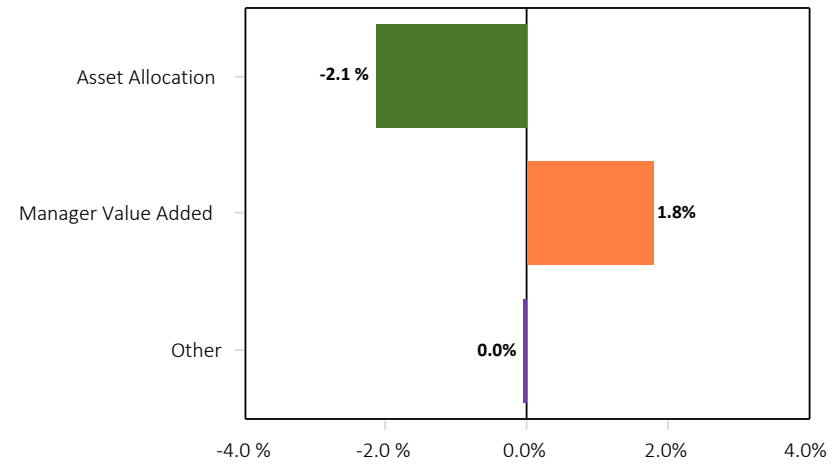
KERS (H) Pension Plan

Periods Ended 1 Year Ending December 31, 2022

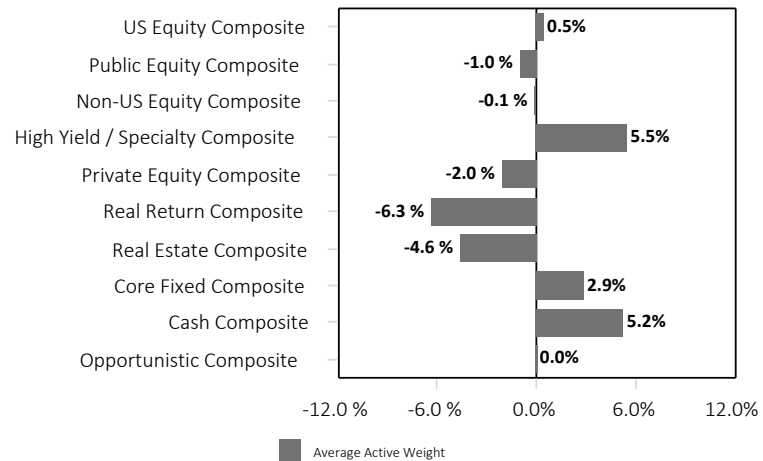
Total Fund Performance



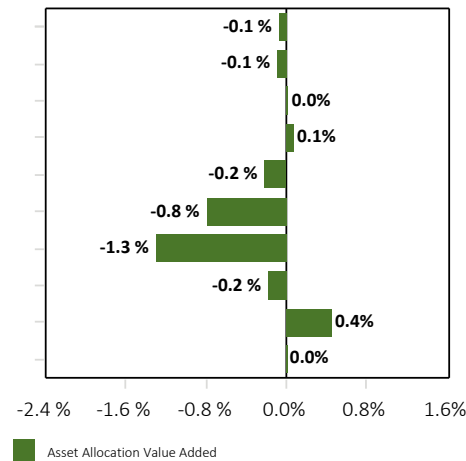
Total Value Added:-0.4 %



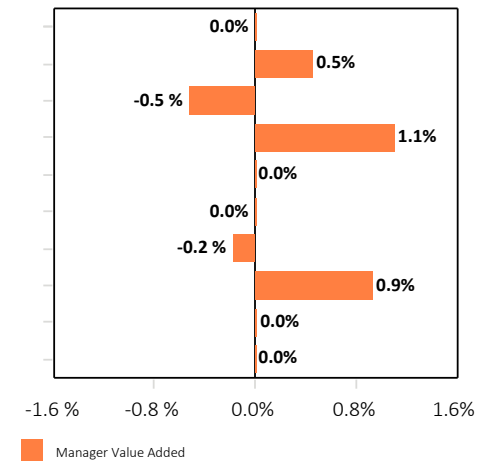
Total Asset Allocation:-2.1 %



Asset Allocation Value Added:-2.1 %



Total Manager Value Added:1.8%

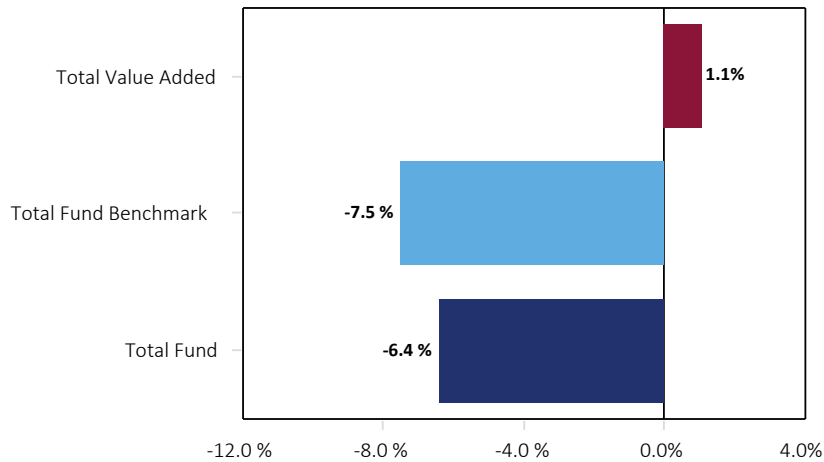


Total Fund Attribution

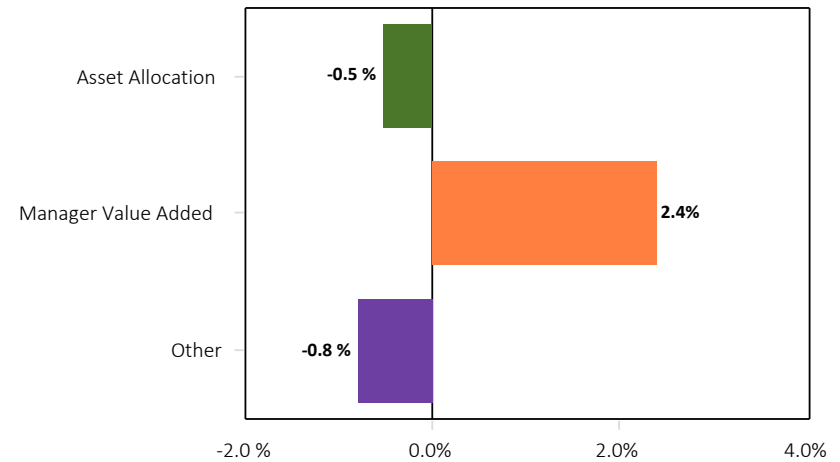
SPRS Pension Plan

Periods Ended 1 Year Ending December 31, 2022

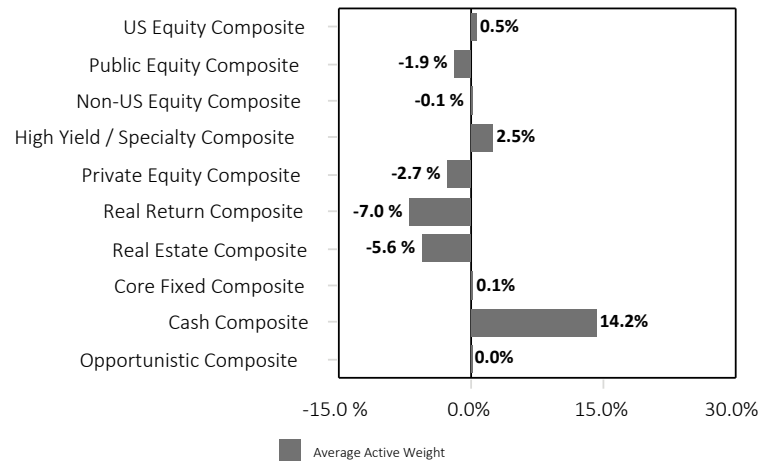
Total Fund Performance



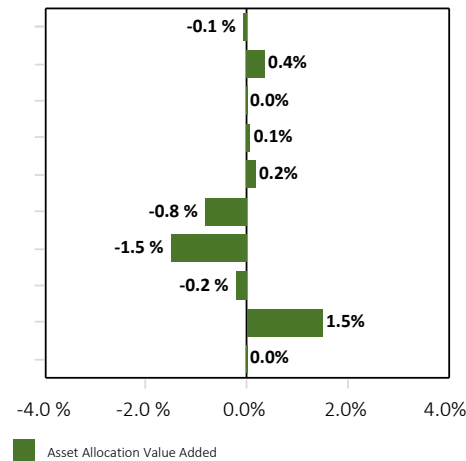
Total Value Added: 1.1%



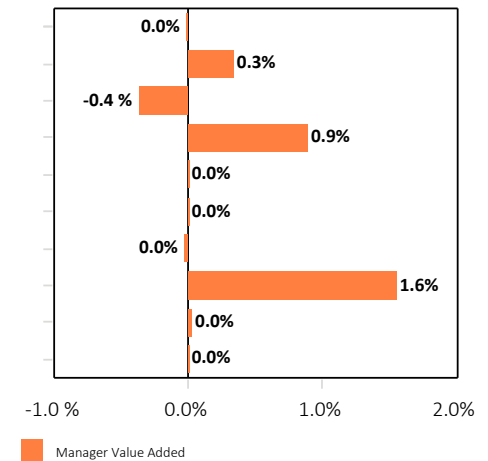
Total Asset Allocation: -0.5%



Asset Allocation Value Added: -0.5%



Total Manager Value Added: 2.4%

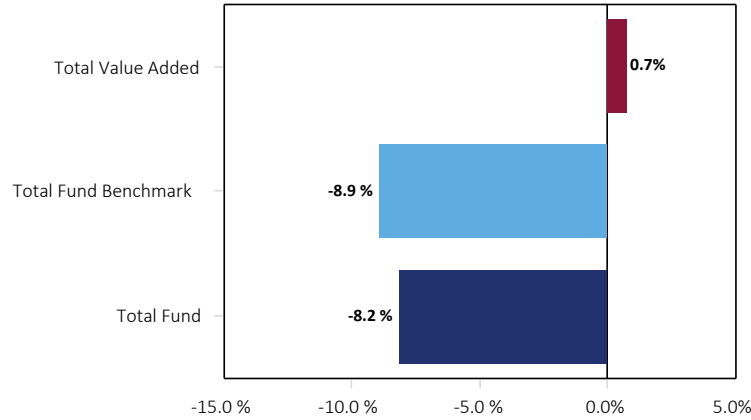


Total Fund Attribution

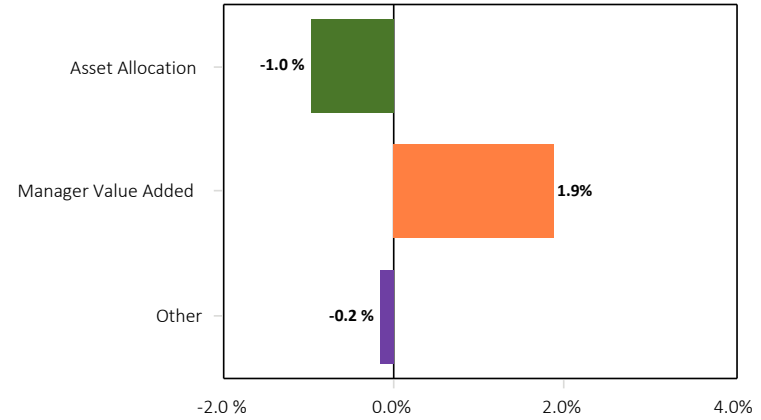
CERS Pension Plan

Periods Ended 1 Year Ending December 31, 2022

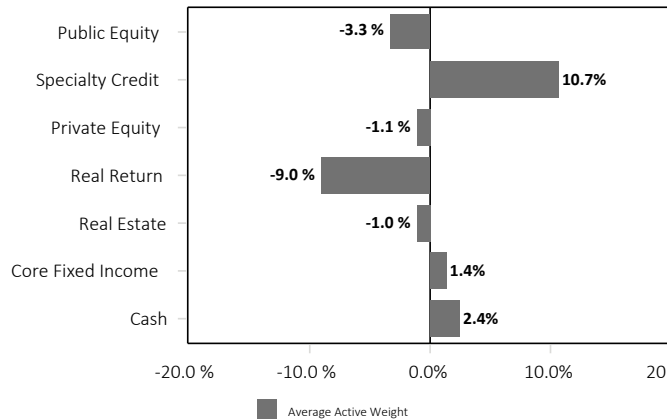
Total Fund Performance



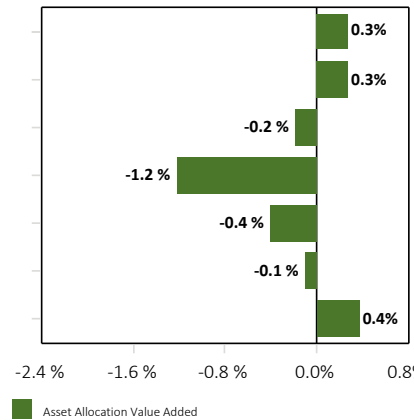
Total Value Added: 0.7%



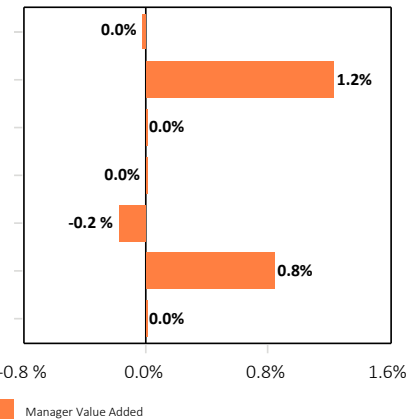
Total Asset Allocation: -1.0%



Asset Allocation Value Added: -1.0%



Total Manager Value Added: 1.9%

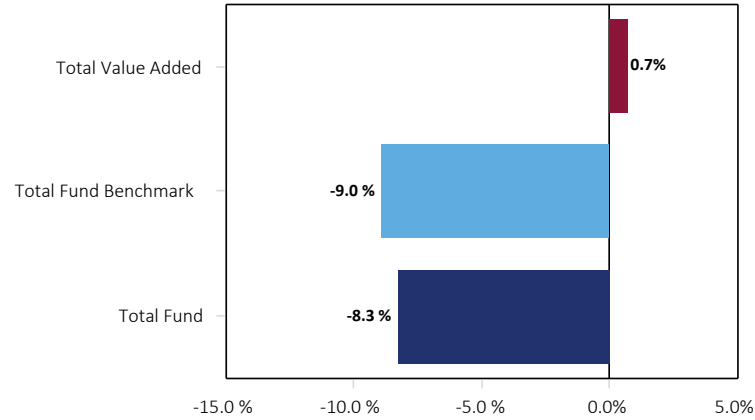


Total Fund Attribution

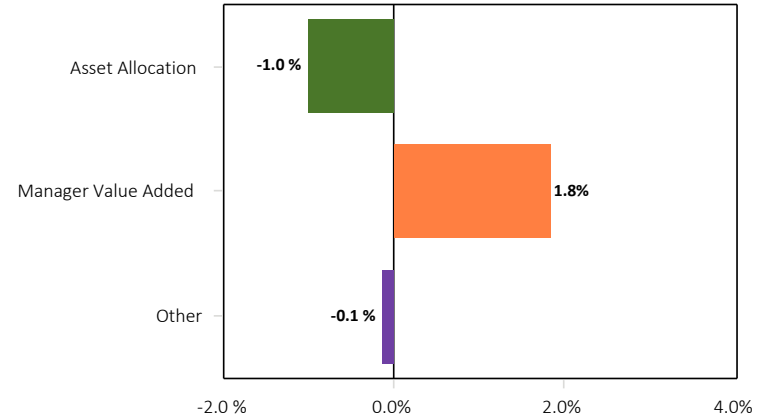
CERS (H) Pension Plan

Periods Ended 1 Year Ending December 31, 2022

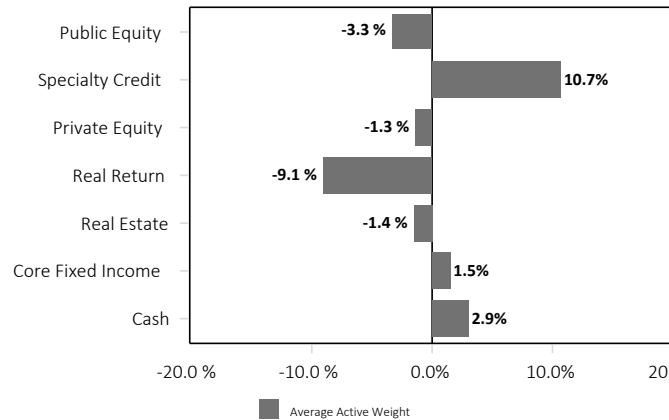
Total Fund Performance



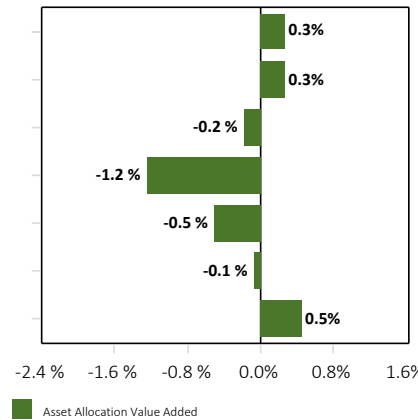
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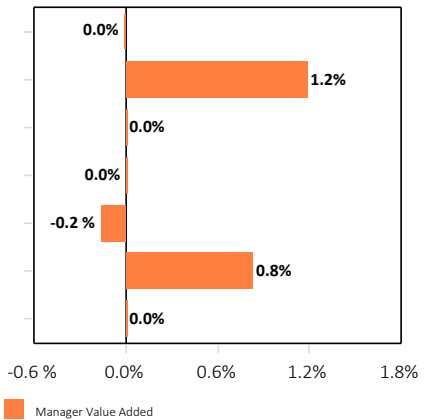
Total Asset Allocation:-1.0 %



Asset Allocation Value Added:-1.0 %



Total Manager Value Added:1.8%

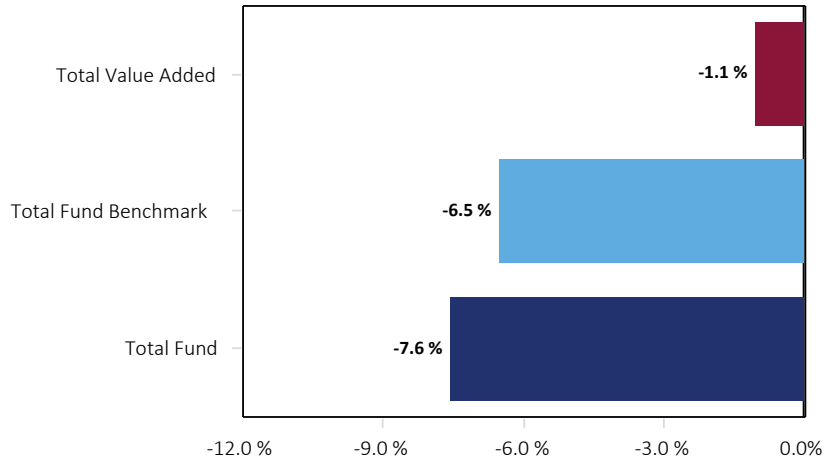


Total Fund Attribution

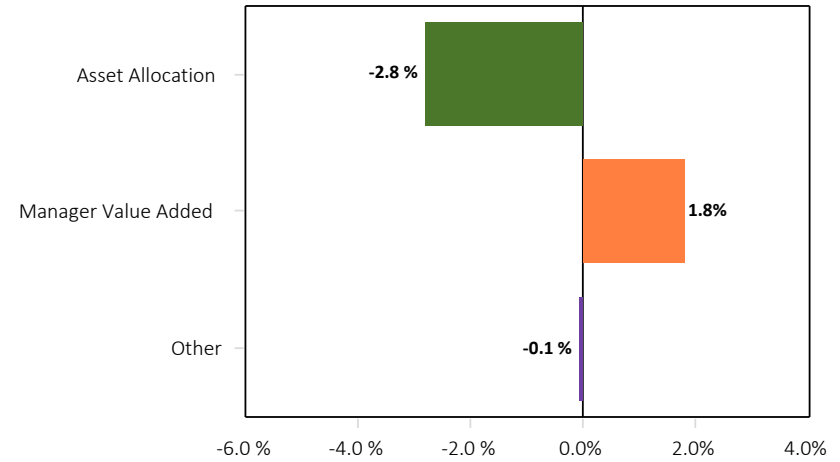
KERS Insurance Plan

Periods Ended 1 Year Ending December 31, 2022

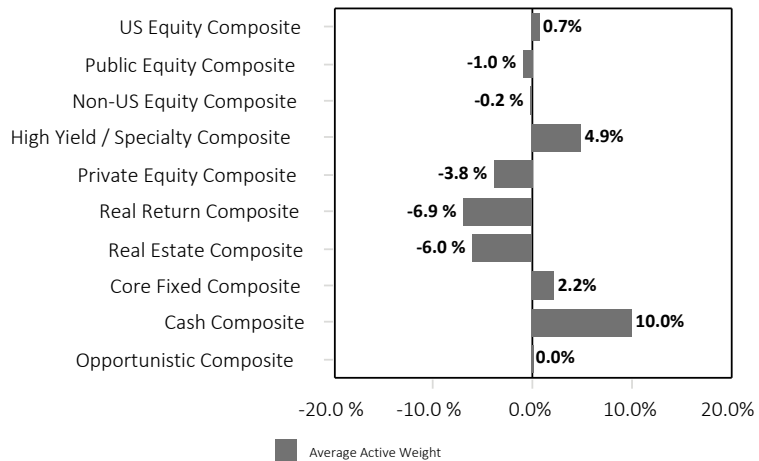
Total Fund Performance



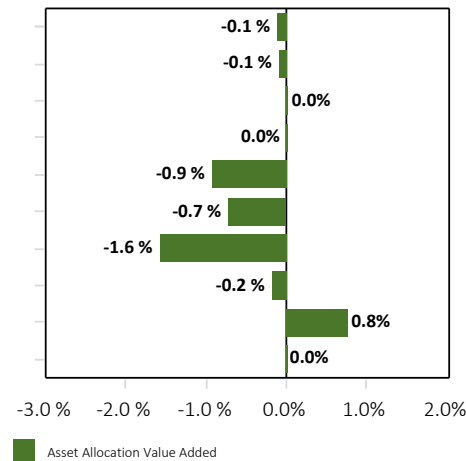
Total Value Added:-1.1 %



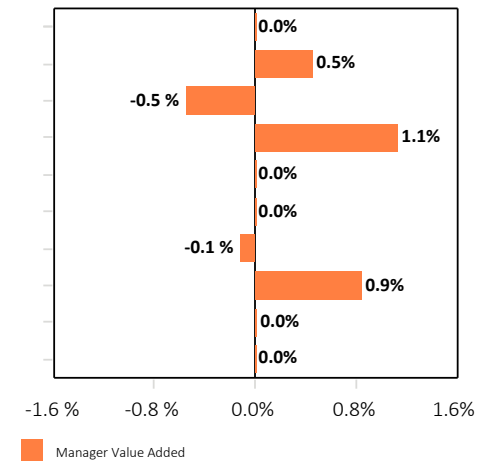
Total Asset Allocation:-2.8 %



Asset Allocation Value Added:-2.8 %



Total Manager Value Added:1.8%

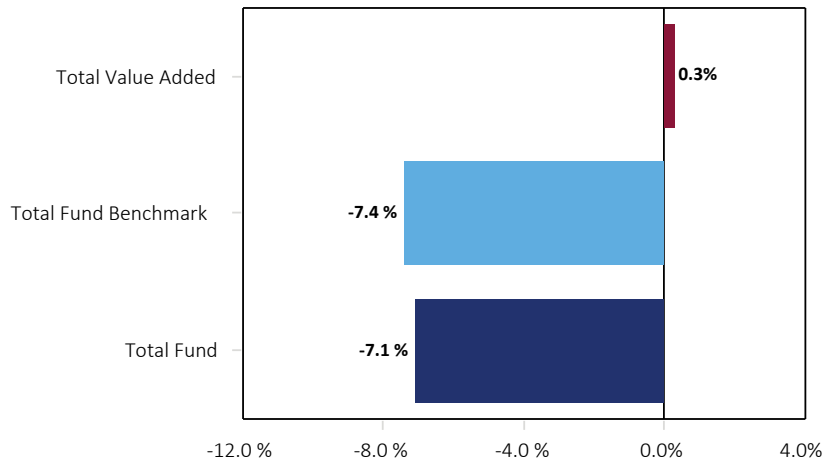


Total Fund Attribution

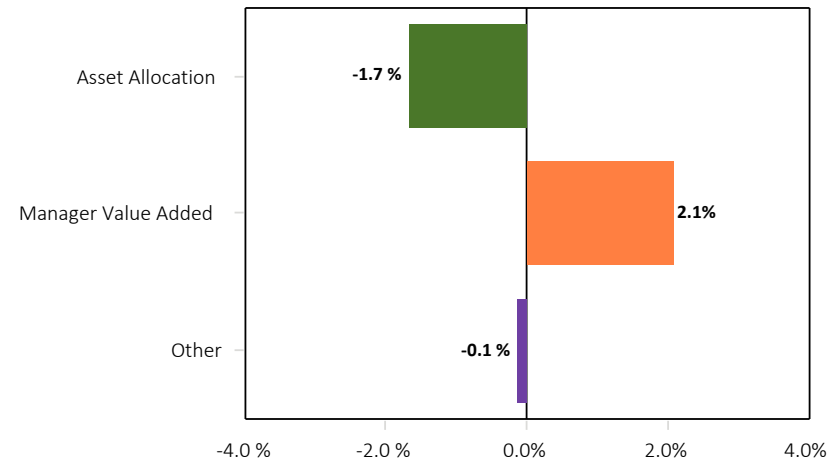
KERS (H) Insurance Plan

Periods Ended 1 Year Ending December 31, 2022

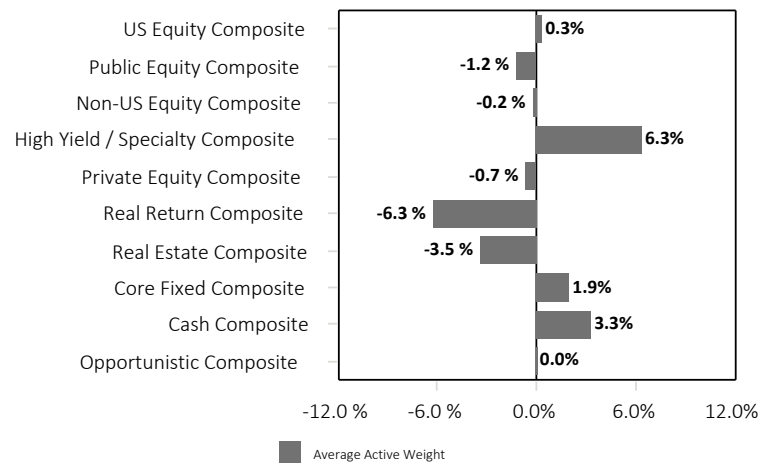
Total Fund Performance



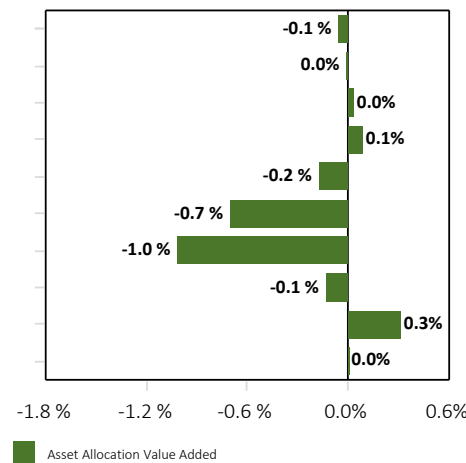
Total Value Added:0.3%



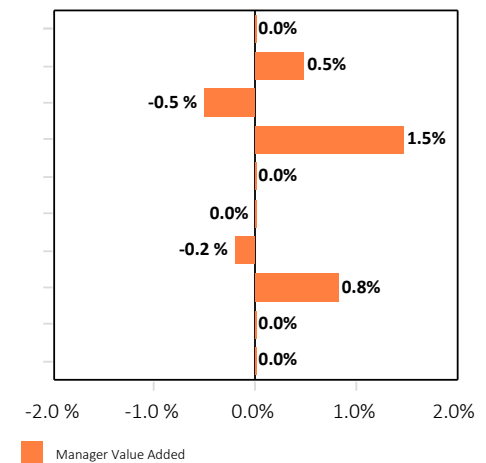
Total Asset Allocation:-1.7%



Asset Allocation Value Added:-1.7%



Total Manager Value Added:2.1%

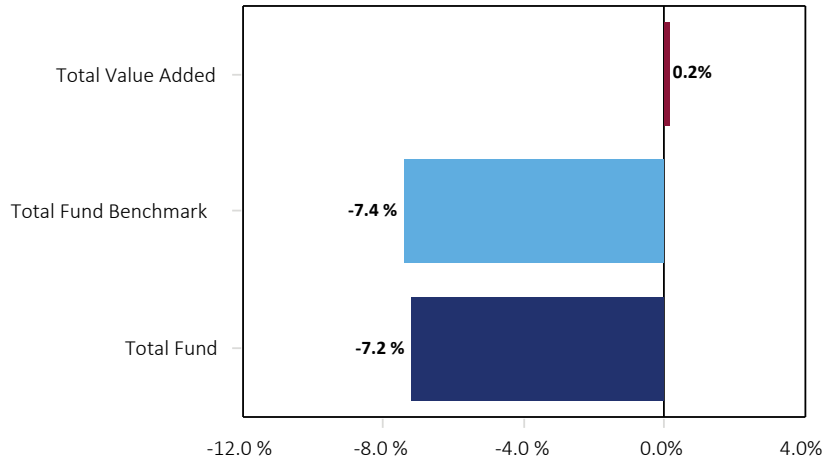


Total Fund Attribution

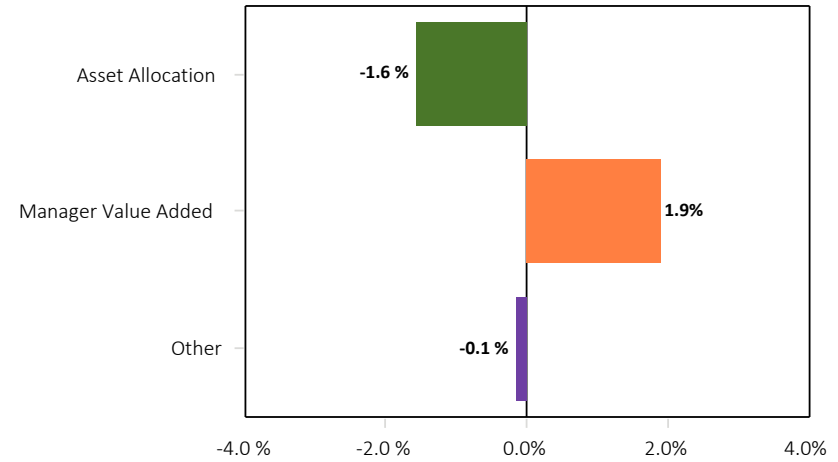
SPRS Insurance Plan

Periods Ended 1 Year Ending December 31, 2022

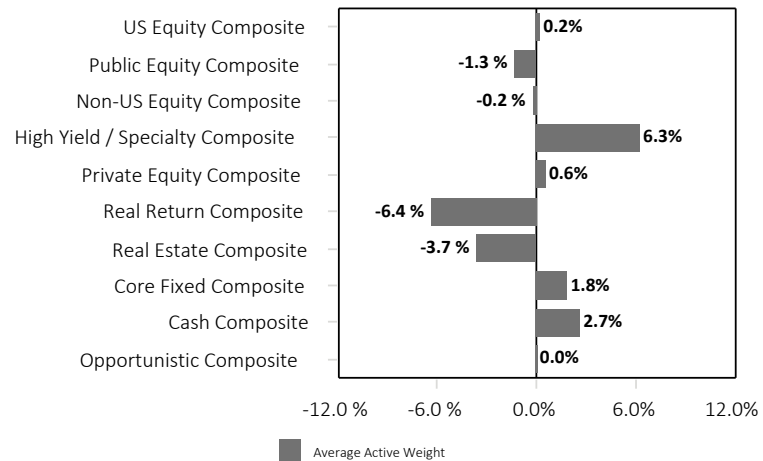
Total Fund Performance



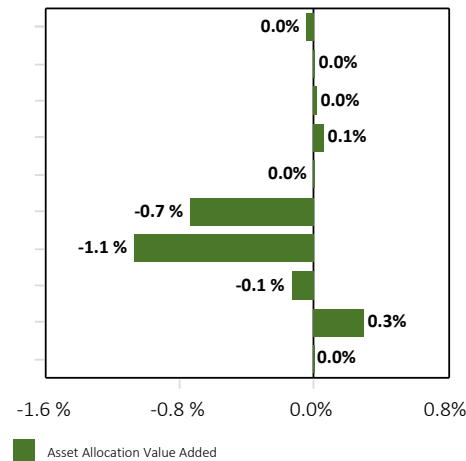
Total Value Added:0.2%



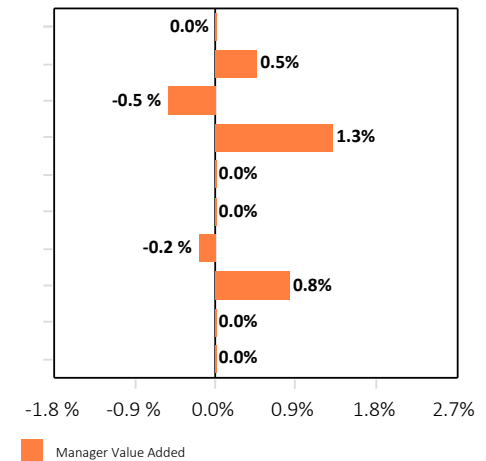
Total Asset Allocation:-1.6%



Asset Allocation Value Added:-1.6%



Total Manager Value Added:1.9%

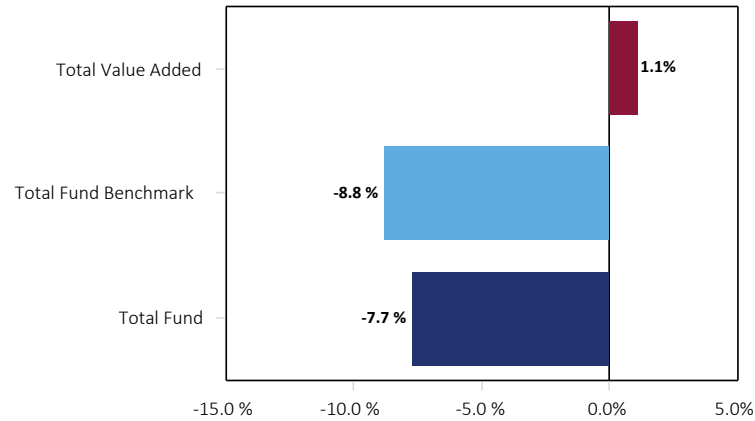


Total Fund Attribution

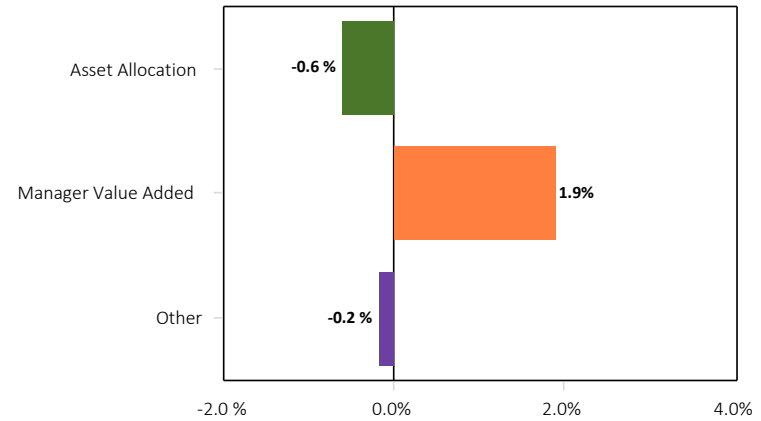
CERS Insurance Plan

Periods Ended 1 Year Ending December 31, 2022

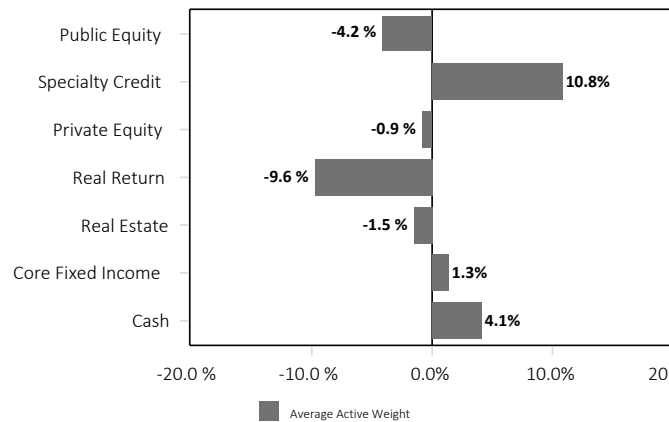
Total Fund Performance



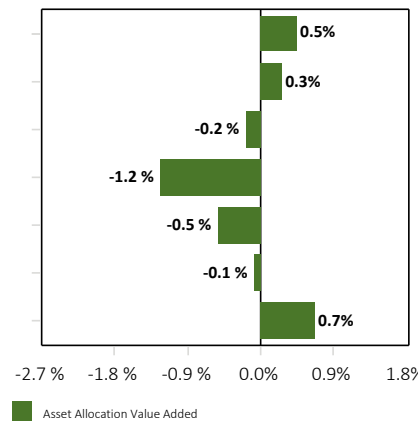
Total Value Added: 1.1%



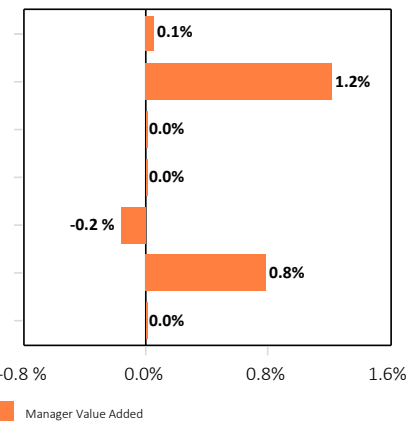
Total Asset Allocation: -0.6%



Asset Allocation Value Added: -0.6%



Total Manager Value Added: 1.9%

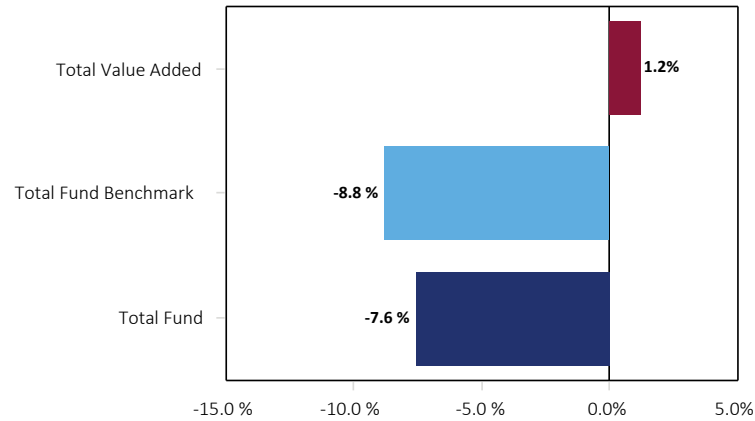


Total Fund Attribution

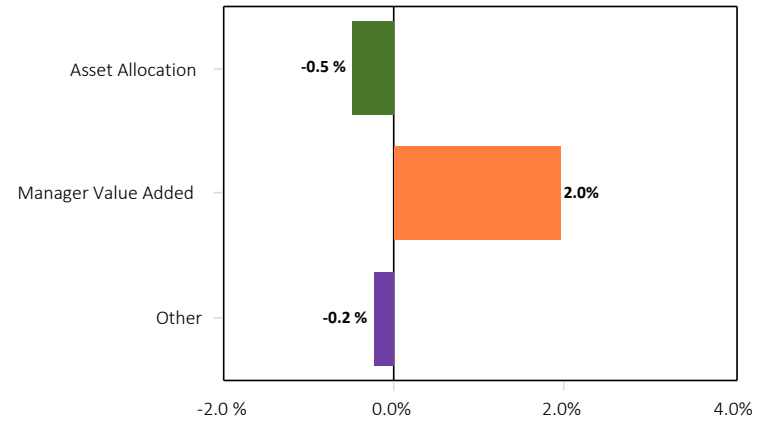
CERS (H) Insurance Plan

Periods Ended 1 Year Ending December 31, 2022

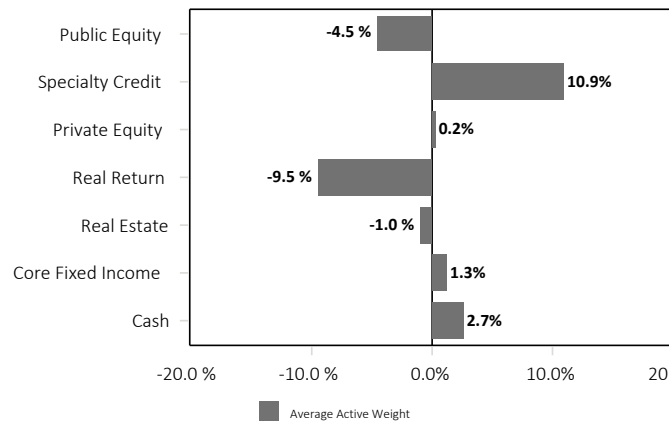
Total Fund Performance



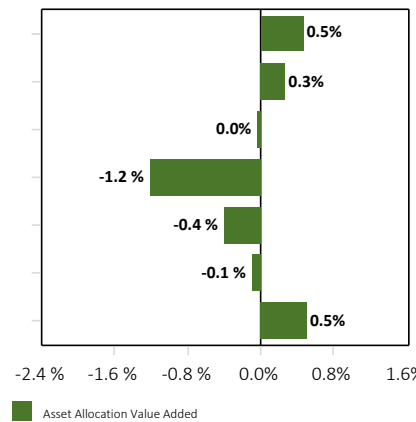
Total Value Added: 1.2%



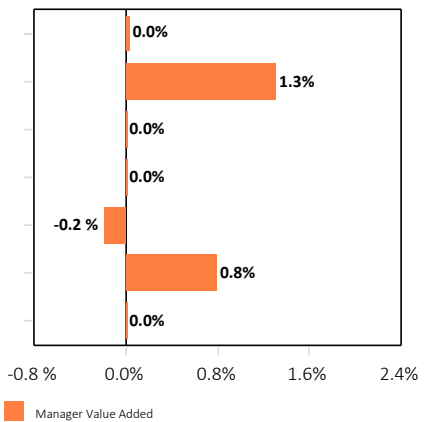
Total Asset Allocation: -0.5%



Asset Allocation Value Added: -0.5%



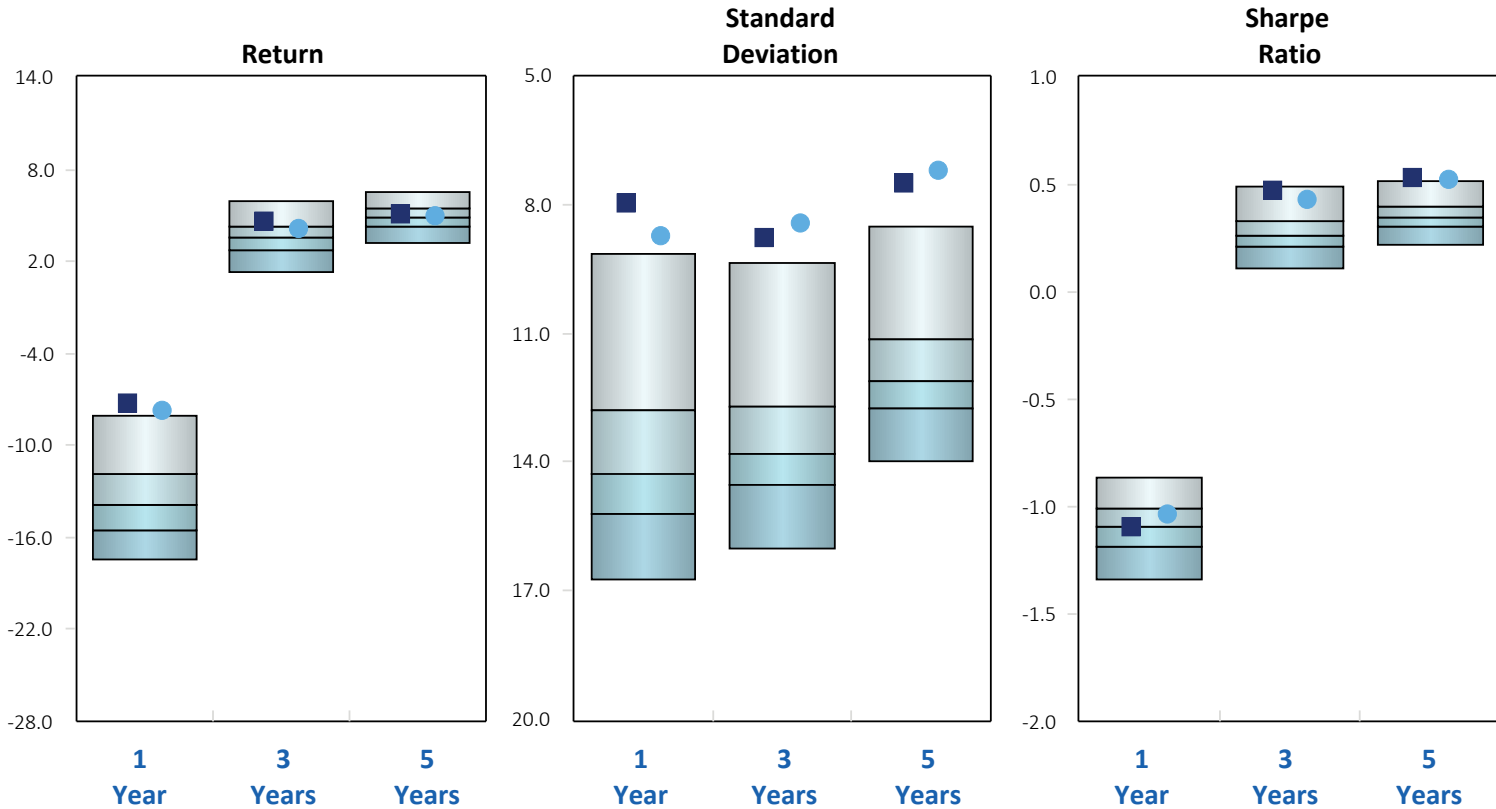
Total Manager Value Added: 2.0%



Plan Sponsor Peer Group Analysis - Multi Statistics

KERS Pension Plan vs All Public Plans-Total Fund

Periods Ended December 31, 2022



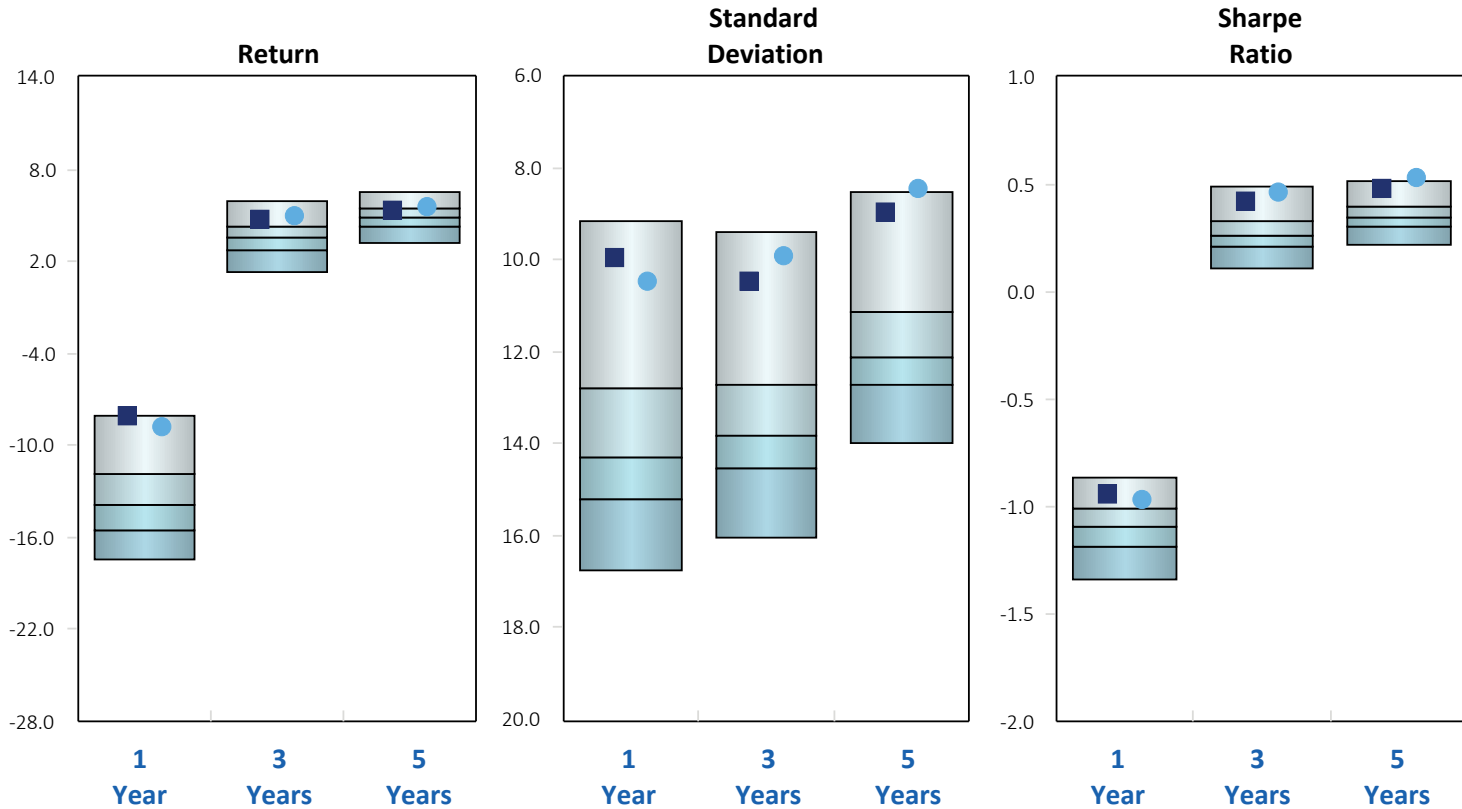
	1 Year	3 Years	5 Years	1 Year	3 Years	5 Years	1 Year	3 Years	5 Years
■ KERS Pension Plan	-7.25 (4)	4.67 (19)	5.14 (39)	7.98 (3)	8.77 (3)	7.52 (2)	-1.09 (49)	0.48 (7)	0.53 (5)
● KERS Pension IPS Index	-7.67 (5)	4.12 (32)	4.93 (49)	8.75 (4)	8.45 (2)	7.21 (2)	-1.04 (32)	0.43 (9)	0.52 (5)
5th Percentile	-8.08	5.92	6.51	9.15	9.38	8.52	-0.87	0.49	0.51
1st Quartile	-11.88	4.33	5.50	12.78	12.72	11.16	-1.00	0.33	0.40
Median	-13.92	3.53	4.90	14.29	13.82	12.12	-1.10	0.26	0.35
3rd Quartile	-15.49	2.71	4.25	15.20	14.55	12.73	-1.19	0.21	0.31
95th Percentile	-17.47	1.29	3.20	16.75	16.03	13.98	-1.34	0.11	0.22

Parentheses contain percentile rankings.
Calculation based on monthly periodicity.

Plan Sponsor Peer Group Analysis - Multi Statistics

KERS (H) Pension Plan vs All Public Plans-Total Fund

Periods Ended December 31, 2022



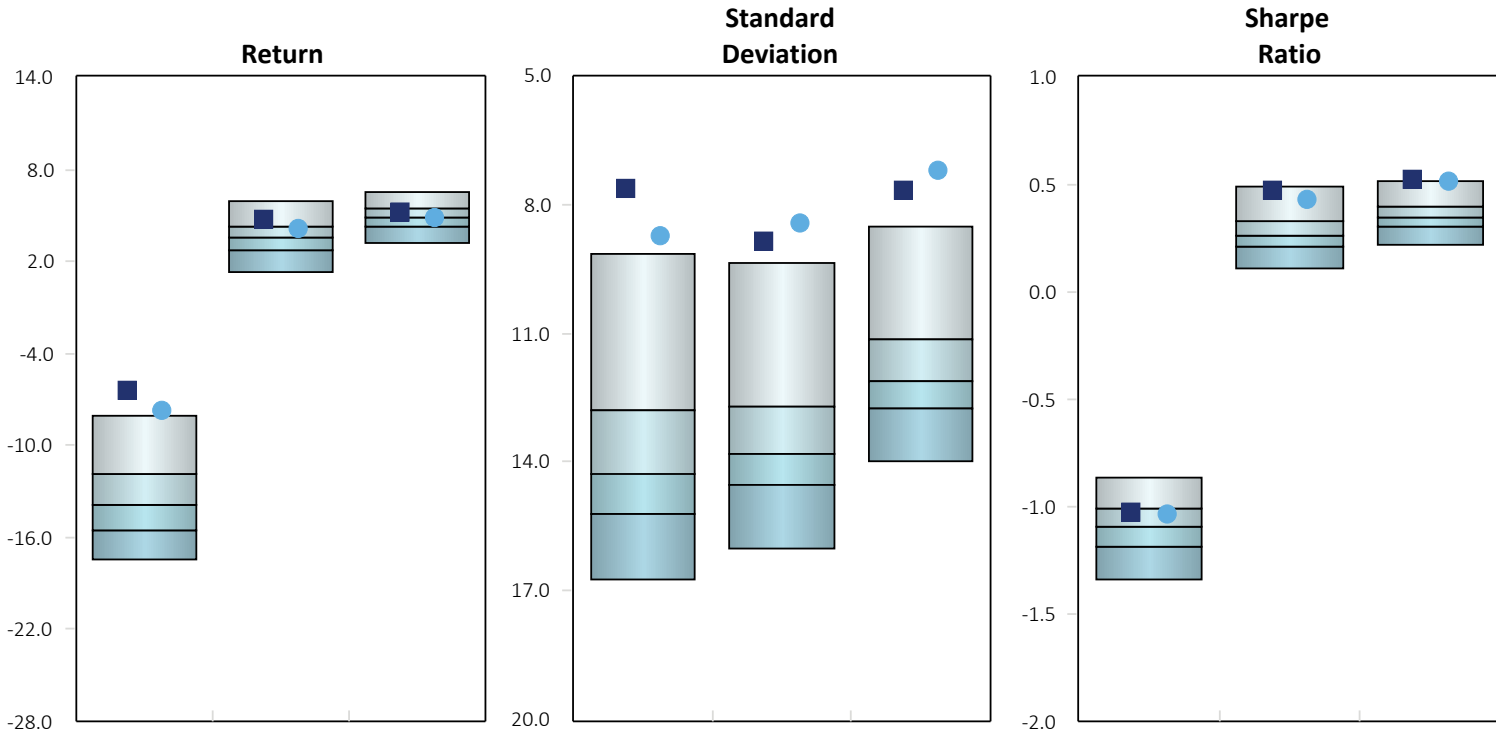
	1 Year	3 Years	5 Years	1 Year	3 Years	5 Years	1 Year	3 Years	5 Years
■ KERS (H) Pension Plan	-8.04 (5)	4.78 (17)	5.36 (31)	9.94 (7)	10.47 (7)	8.98 (6)	-0.94 (12)	0.43 (9)	0.48 (8)
● KERS (H) Pension IPS Index	-8.80 (6)	5.02 (12)	5.61 (23)	10.48 (9)	9.92 (6)	8.43 (4)	-0.96 (16)	0.47 (7)	0.54 (5)
5th Percentile	-8.08	5.92	6.51	9.15	9.38	8.52	-0.87	0.49	0.51
1st Quartile	-11.88	4.33	5.50	12.78	12.72	11.16	-1.00	0.33	0.40
Median	-13.92	3.53	4.90	14.29	13.82	12.12	-1.10	0.26	0.35
3rd Quartile	-15.49	2.71	4.25	15.20	14.55	12.73	-1.19	0.21	0.31
95th Percentile	-17.47	1.29	3.20	16.75	16.03	13.98	-1.34	0.11	0.22

Parentheses contain percentile rankings.
Calculation based on monthly periodicity.

Plan Sponsor Peer Group Analysis - Multi Statistics

SPRS Pension Plan vs All Public Plans-Total Fund

Periods Ended December 31, 2022



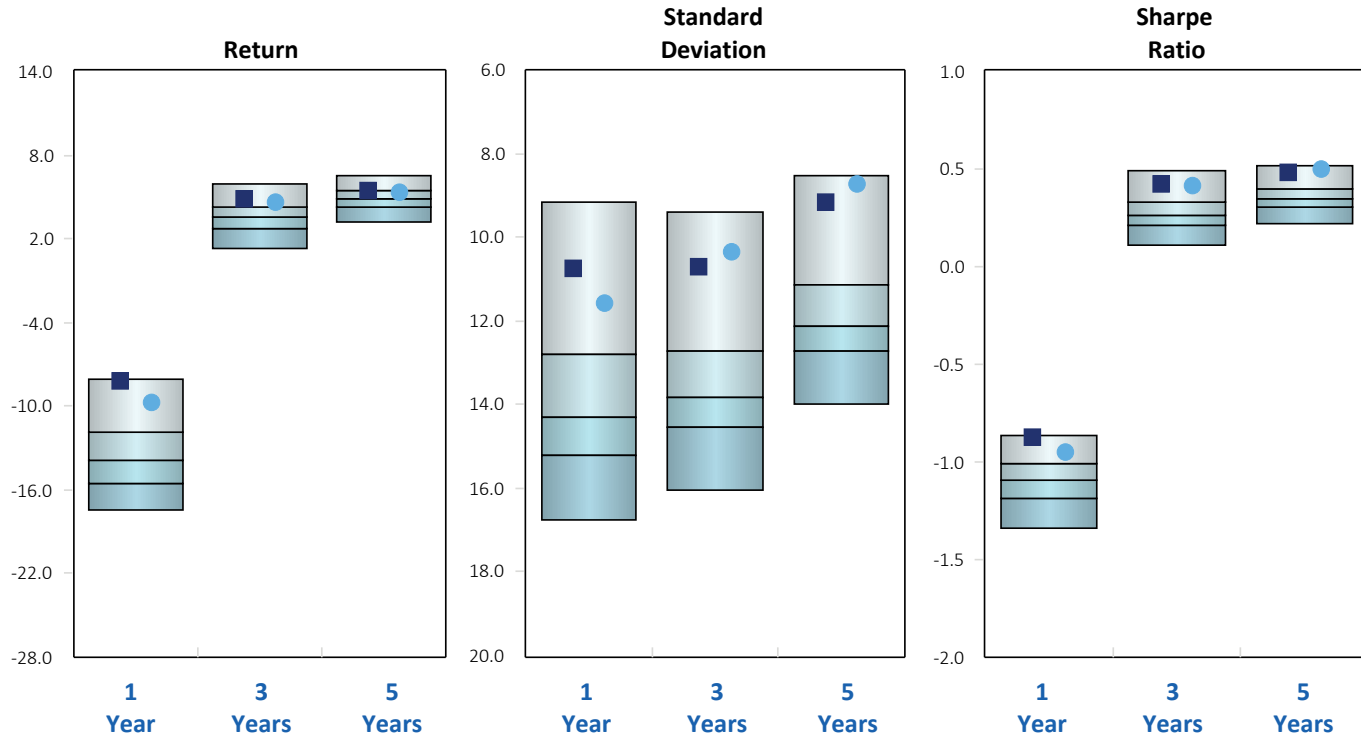
	1 Year	3 Years	5 Years	1 Year	3 Years	5 Years	1 Year	3 Years	5 Years
■ SPRS Pension Plan	-6.41 (3)	4.72 (18)	5.18 (38)	7.61 (3)	8.87 (3)	7.65 (2)	-1.03 (30)	0.48 (6)	0.53 (5)
● SPRS Pension IPS Index	-7.67 (5)	4.12 (32)	4.87 (52)	8.75 (4)	8.45 (2)	7.20 (2)	-1.04 (32)	0.43 (9)	0.52 (5)
5th Percentile	-8.08	5.92	6.51	9.15	9.38	8.52	-0.87	0.49	0.51
1st Quartile	-11.88	4.33	5.50	12.78	12.72	11.16	-1.00	0.33	0.40
Median	-13.92	3.53	4.90	14.29	13.82	12.12	-1.10	0.26	0.35
3rd Quartile	-15.49	2.71	4.25	15.20	14.55	12.73	-1.19	0.21	0.31
95th Percentile	-17.47	1.29	3.20	16.75	16.03	13.98	-1.34	0.11	0.22

Parentheses contain percentile rankings.
Calculation based on monthly periodicity.

Plan Sponsor Peer Group Analysis - Multi Statistics

CERS Pension Plan vs All Public Plans-Total Fund

Periods Ended December 31, 2022



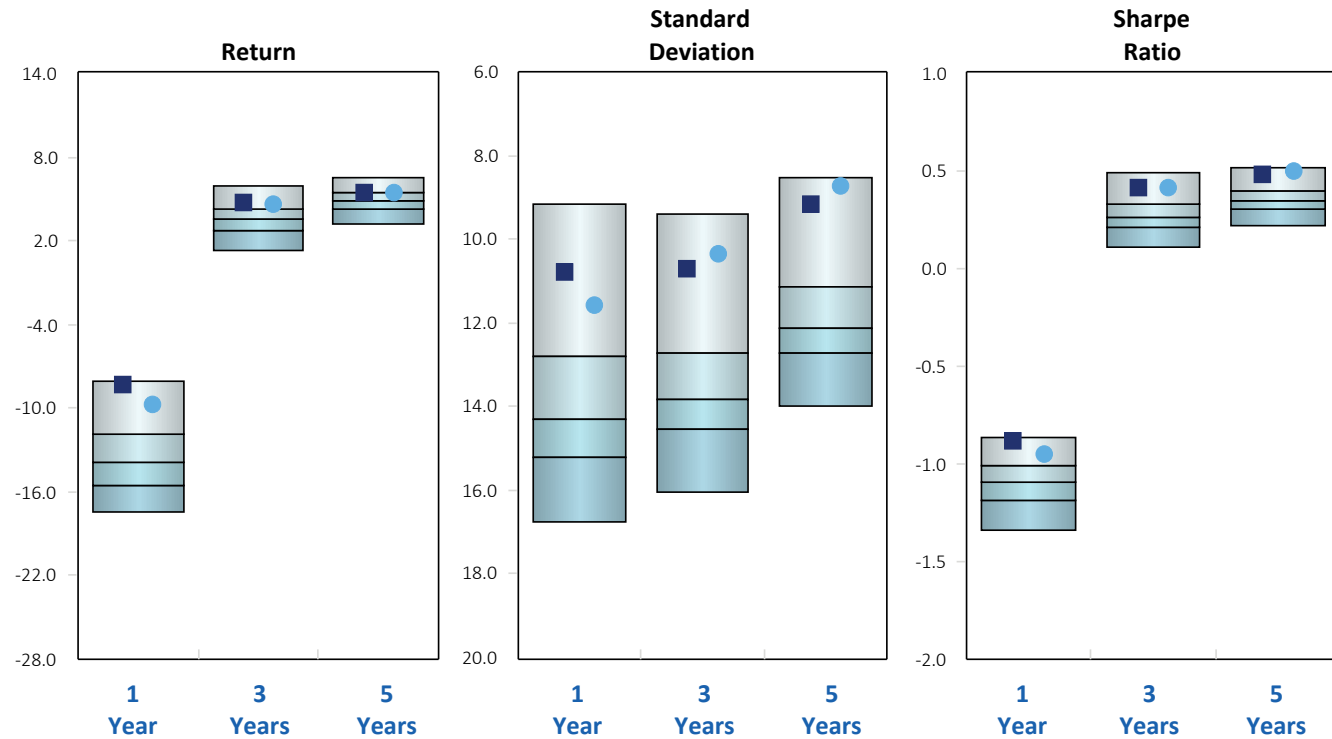
	1 Year	3 Years	5 Years	1 Year	3 Years	5 Years	1 Year	3 Years	5 Years
■ CERS Pension Plan	-8.17 (6)	4.88 (14)	5.46 (28)	10.74 (10)	10.69 (8)	9.16 (6)	-0.88 (6)	0.43 (9)	0.49 (8)
● CERS Pension IPS Index	-9.77 (10)	4.66 (20)	5.40 (30)	11.58 (16)	10.35 (7)	8.74 (5)	-0.95 (15)	0.42 (10)	0.50 (7)
5th Percentile	-8.08	5.92	6.51	9.15	9.38	8.52	-0.87	0.49	0.51
1st Quartile	-11.88	4.33	5.50	12.78	12.72	11.16	-1.00	0.33	0.40
Median	-13.92	3.53	4.90	14.29	13.82	12.12	-1.10	0.26	0.35
3rd Quartile	-15.49	2.71	4.25	15.20	14.55	12.73	-1.19	0.21	0.31
95th Percentile	-17.47	1.29	3.20	16.75	16.03	13.98	-1.34	0.11	0.22

Parentheses contain percentile rankings.
Calculation based on monthly periodicity.

Plan Sponsor Peer Group Analysis - Multi Statistics

CERS (H) Pension Plan vs All Public Plans-Total Fund

Periods Ended December 31, 2022



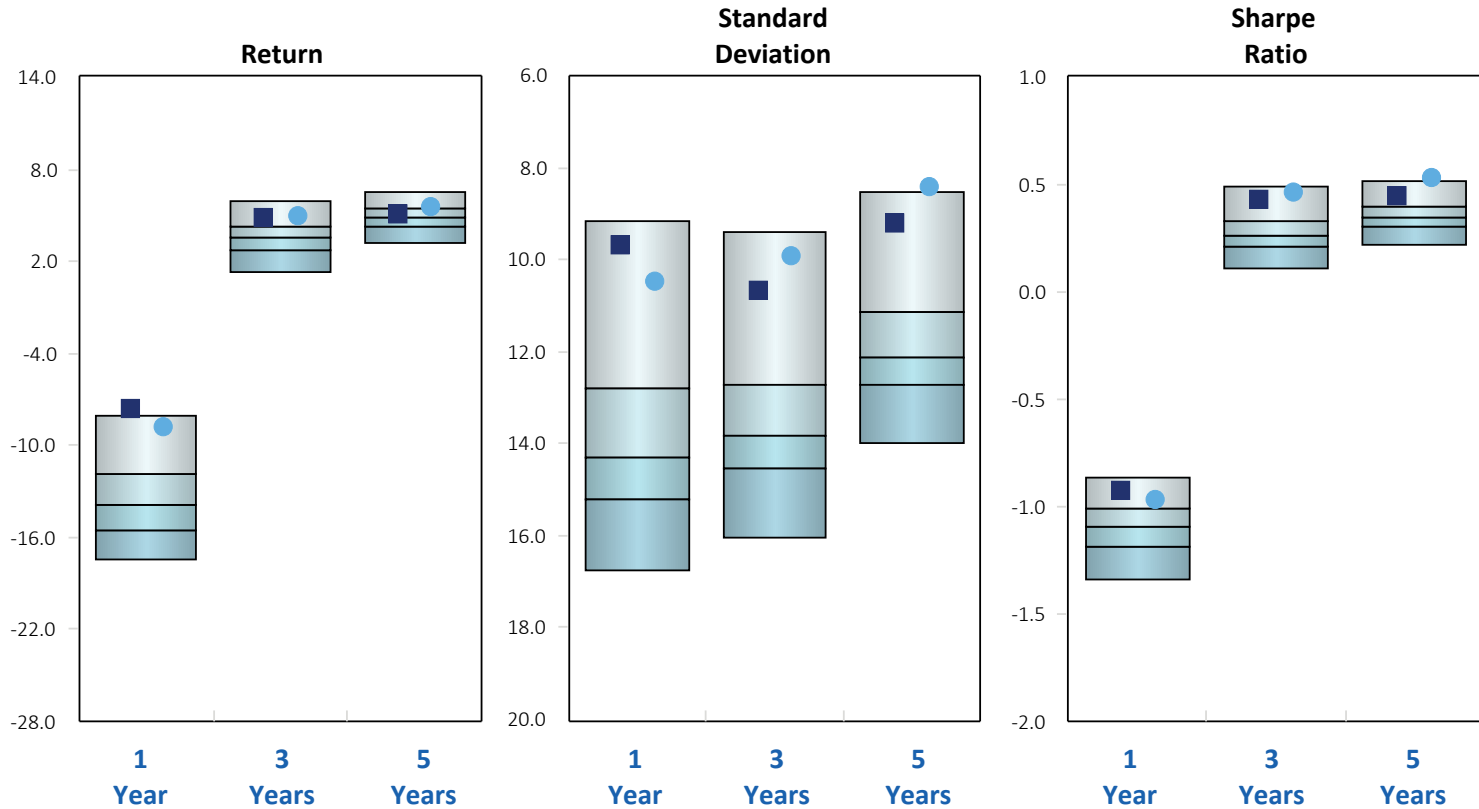
	1 Year	3 Years	5 Years	1 Year	3 Years	5 Years	1 Year	3 Years	5 Years
■ CERS (H) Pension Plan	-8.25 (6)	4.78 (17)	5.40 (29)	10.79 (11)	10.69 (8)	9.16 (6)	-0.88 (6)	0.42 (9)	0.48 (8)
● CERS (H) Pension IPS Index	-9.77 (10)	4.66 (20)	5.40 (29)	11.58 (16)	10.35 (7)	8.74 (5)	-0.95 (15)	0.42 (10)	0.50 (7)
5th Percentile	-8.08	5.92	6.51	9.15	9.38	8.52	-0.87	0.49	0.51
1st Quartile	-11.88	4.33	5.50	12.78	12.72	11.16	-1.00	0.33	0.40
Median	-13.92	3.53	4.90	14.29	13.82	12.12	-1.10	0.26	0.35
3rd Quartile	-15.49	2.71	4.25	15.20	14.55	12.73	-1.19	0.21	0.31
95th Percentile	-17.47	1.29	3.20	16.75	16.03	13.98	-1.34	0.11	0.22

Parentheses contain percentile rankings.
Calculation based on monthly periodicity.

Plan Sponsor Peer Group Analysis - Multi Statistics

KERS Insurance Plan vs All Public Plans-Total Fund

Periods Ended December 31, 2022



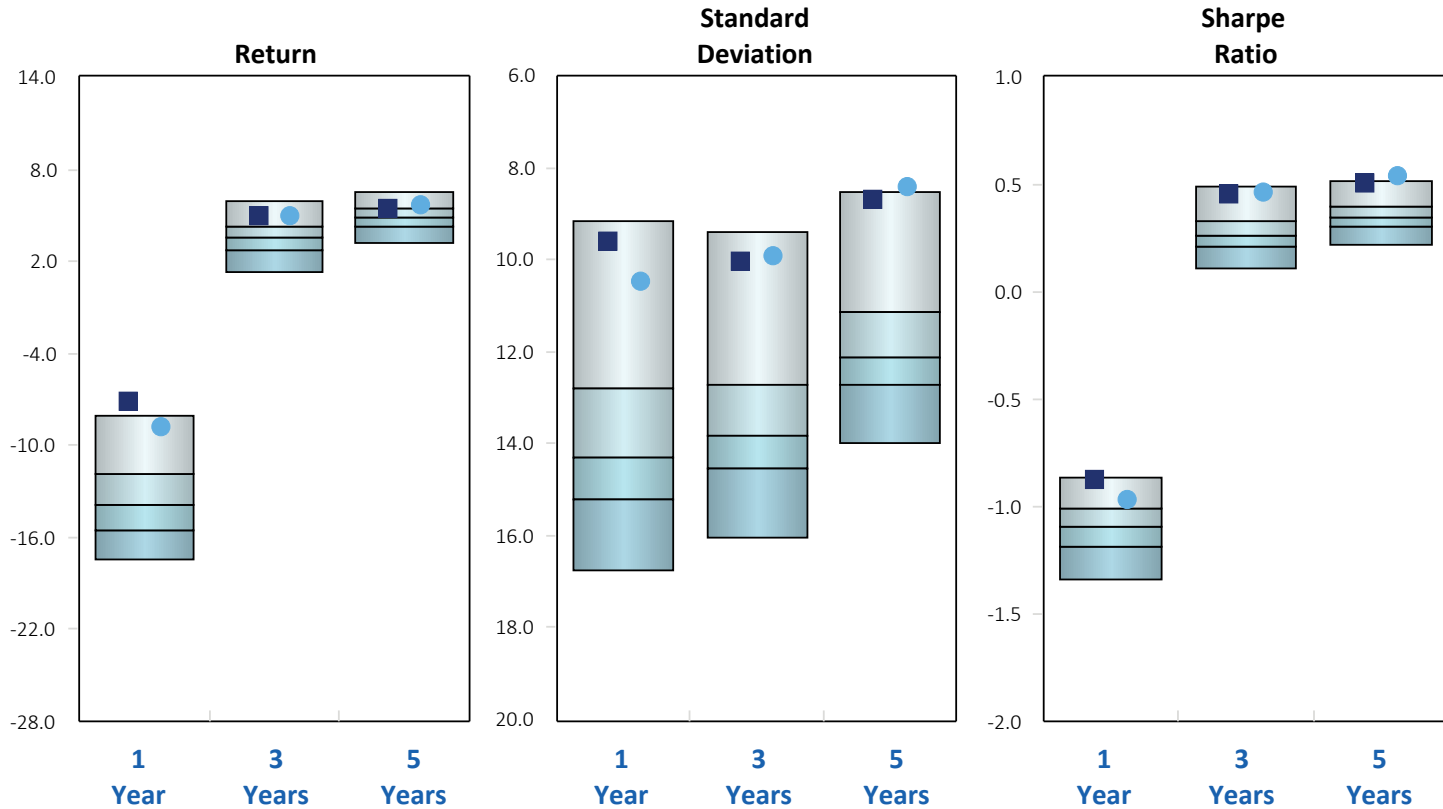
	1 Year	3 Years	5 Years	1 Year	3 Years	5 Years	1 Year	3 Years	5 Years
■ KERS Insurance Plan	-7.59 (5)	4.88 (14)	5.15 (39)	9.67 (6)	10.66 (8)	9.21 (7)	-0.92 (9)	0.43 (9)	0.45 (12)
● KERS Insurance IPS Index	-8.80 (6)	5.02 (12)	5.60 (23)	10.48 (9)	9.92 (6)	8.43 (4)	-0.96 (16)	0.47 (7)	0.54 (5)
5th Percentile	-8.08	5.92	6.51	9.15	9.38	8.52	-0.87	0.49	0.51
1st Quartile	-11.88	4.33	5.50	12.78	12.72	11.16	-1.00	0.33	0.40
Median	-13.92	3.53	4.90	14.29	13.82	12.12	-1.10	0.26	0.35
3rd Quartile	-15.49	2.71	4.25	15.20	14.55	12.73	-1.19	0.21	0.31
95th Percentile	-17.47	1.29	3.20	16.75	16.03	13.98	-1.34	0.11	0.22

Parentheses contain percentile rankings.
Calculation based on monthly periodicity.

Plan Sponsor Peer Group Analysis - Multi Statistics

KERS (H) Insurance Plan vs All Public Plans-Total Fund

Periods Ended December 31, 2022



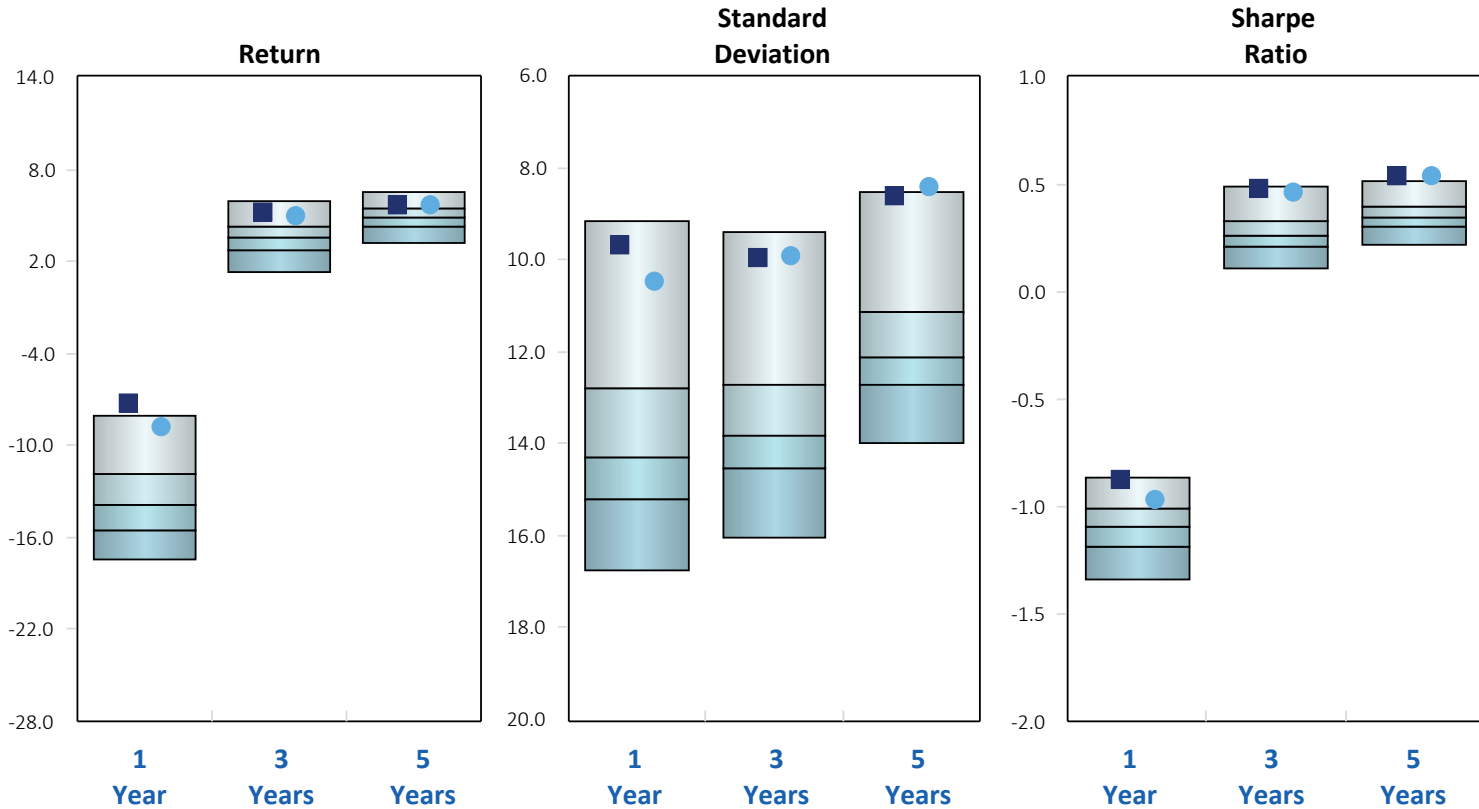
	1 Year	3 Years	5 Years	1 Year	3 Years	5 Years	1 Year	3 Years	5 Years
■ KERS (H) Insurance Plan	-7.11 (4)	5.00 (13)	5.49 (26)	9.58 (6)	10.05 (6)	8.69 (5)	-0.87 (6)	0.46 (7)	0.51 (6)
● KERS (H) Insurance IPS Index	-8.80 (6)	5.02 (12)	5.66 (21)	10.48 (9)	9.92 (6)	8.43 (4)	-0.96 (16)	0.47 (7)	0.54 (5)
5th Percentile	-8.08	5.92	6.51	9.15	9.38	8.52	-0.87	0.49	0.51
1st Quartile	-11.88	4.33	5.50	12.78	12.72	11.16	-1.00	0.33	0.40
Median	-13.92	3.53	4.90	14.29	13.82	12.12	-1.10	0.26	0.35
3rd Quartile	-15.49	2.71	4.25	15.20	14.55	12.73	-1.19	0.21	0.31
95th Percentile	-17.47	1.29	3.20	16.75	16.03	13.98	-1.34	0.11	0.22

Parentheses contain percentile rankings.
Calculation based on monthly periodicity.

Plan Sponsor Peer Group Analysis - Multi Statistics

SPRS Insurance Plan vs All Public Plans-Total Fund

Periods Ended December 31, 2022



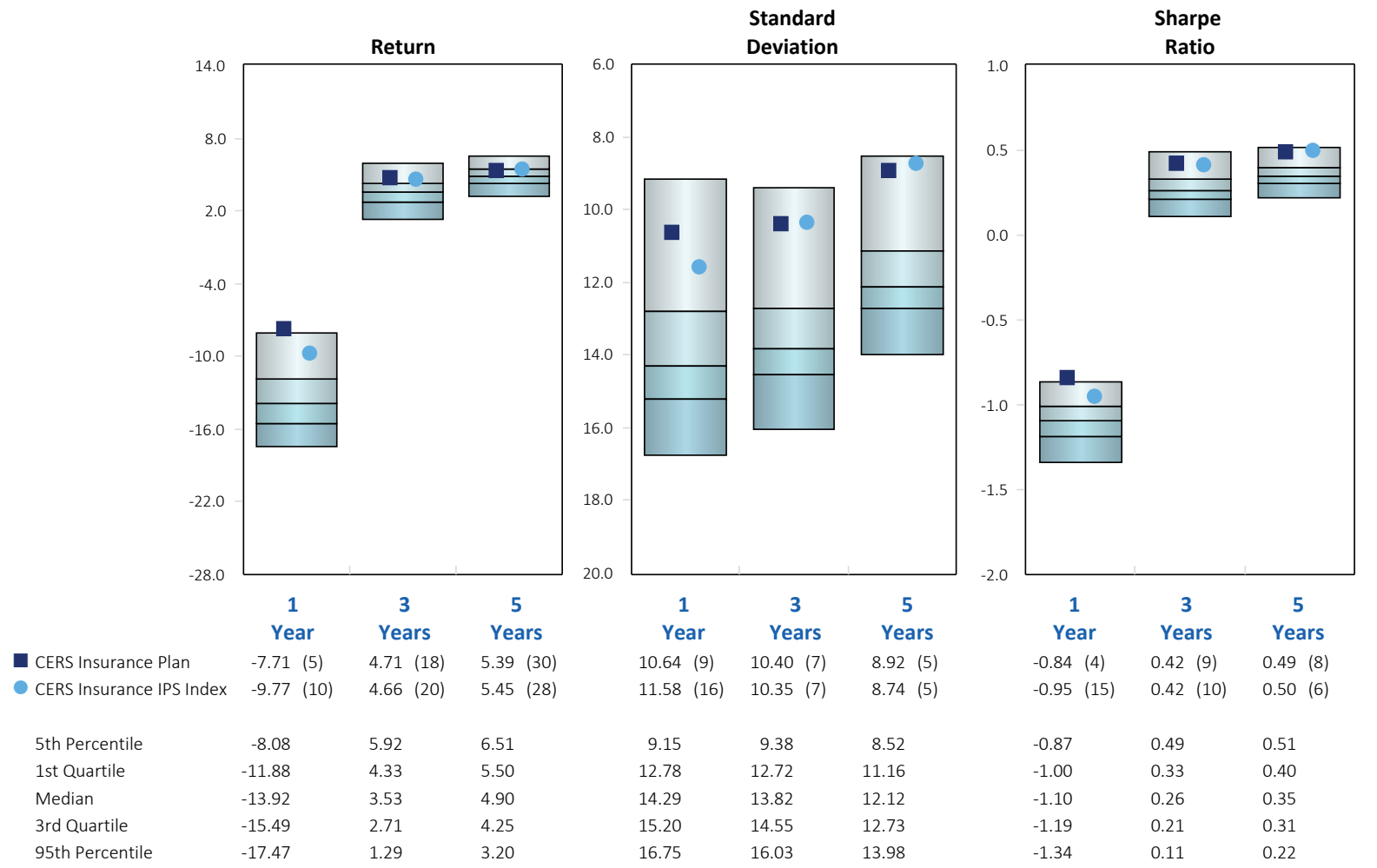
	1 Year	3 Years	5 Years	1 Year	3 Years	5 Years	1 Year	3 Years	5 Years
■ SPRS Insurance Plan	-7.21 (4)	5.26 (10)	5.73 (17)	9.69 (6)	9.97 (6)	8.61 (5)	-0.88 (6)	0.49 (6)	0.54 (5)
● SPRS Insurance IPS Index	-8.80 (6)	5.02 (12)	5.66 (20)	10.48 (9)	9.92 (6)	8.43 (4)	-0.96 (16)	0.47 (7)	0.54 (5)
5th Percentile	-8.08	5.92	6.51	9.15	9.38	8.52	-0.87	0.49	0.51
1st Quartile	-11.88	4.33	5.50	12.78	12.72	11.16	-1.00	0.33	0.40
Median	-13.92	3.53	4.90	14.29	13.82	12.12	-1.10	0.26	0.35
3rd Quartile	-15.49	2.71	4.25	15.20	14.55	12.73	-1.19	0.21	0.31
95th Percentile	-17.47	1.29	3.20	16.75	16.03	13.98	-1.34	0.11	0.22

Parentheses contain percentile rankings.
Calculation based on monthly periodicity.

Plan Sponsor Peer Group Analysis - Multi Statistics

CERS Insurance Plan vs All Public Plans-Total Fund

Periods Ended December 31, 2022

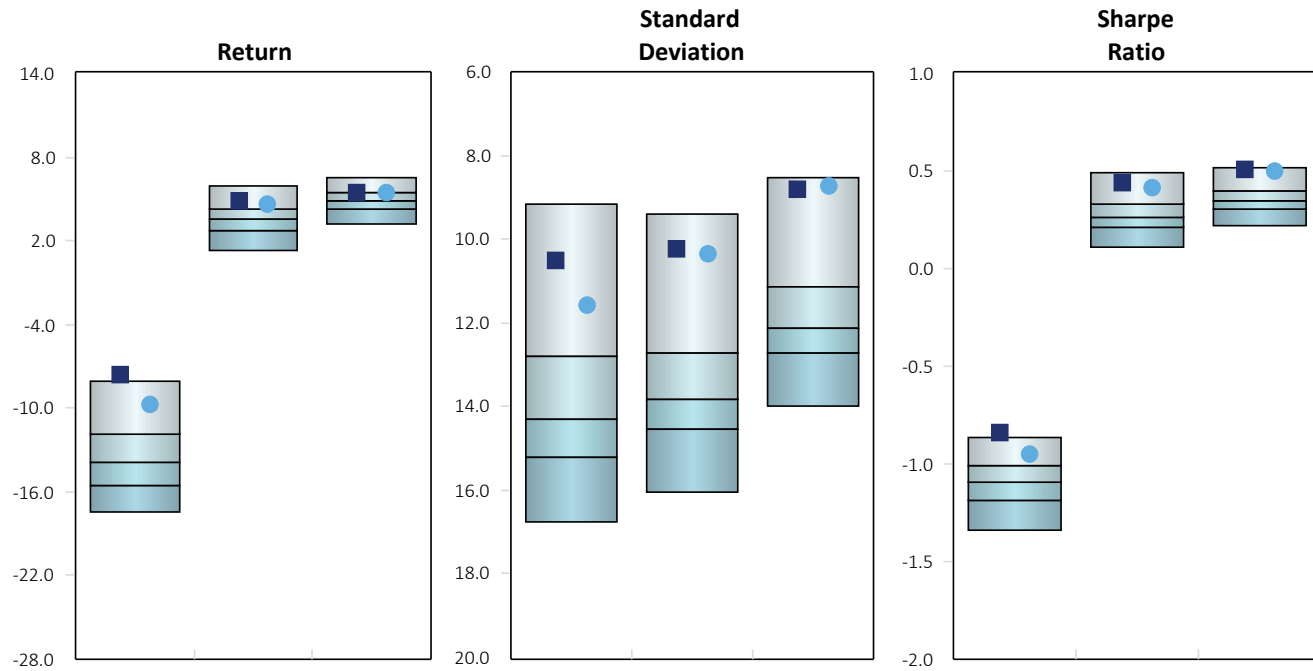


Parentheses contain percentile rankings.
Calculation based on monthly periodicity.

Plan Sponsor Peer Group Analysis - Multi Statistics

CERS (H) Insurance Plan vs All Public Plans-Total Fund

Periods Ended December 31, 2022



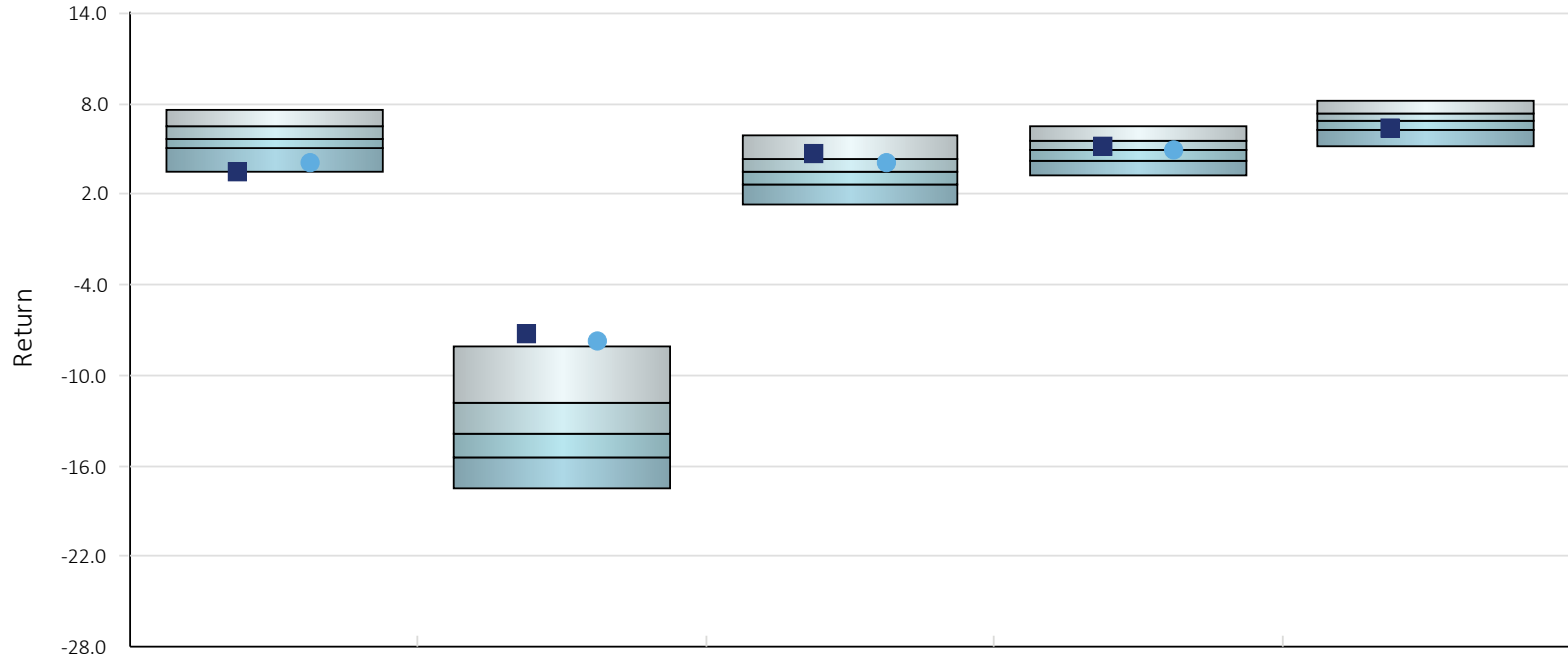
	1 Year	3 Years	5 Years	1 Year	3 Years	5 Years	1 Year	3 Years	5 Years
■ CERS (H) Insurance Plan	-7.58 (5)	4.86 (15)	5.51 (25)	10.51 (9)	10.25 (7)	8.81 (5)	-0.84 (4)	0.44 (7)	0.51 (6)
● CERS (H) Insurance IPS Index	-9.77 (10)	4.66 (20)	5.45 (28)	11.58 (16)	10.35 (7)	8.74 (5)	-0.95 (15)	0.42 (10)	0.50 (6)
5th Percentile	-8.08	5.92	6.51	9.15	9.38	8.52	-0.87	0.49	0.51
1st Quartile	-11.88	4.33	5.50	12.78	12.72	11.16	-1.00	0.33	0.40
Median	-13.92	3.53	4.90	14.29	13.82	12.12	-1.10	0.26	0.35
3rd Quartile	-15.49	2.71	4.25	15.20	14.55	12.73	-1.19	0.21	0.31
95th Percentile	-17.47	1.29	3.20	16.75	16.03	13.98	-1.34	0.11	0.22

Parentheses contain percentile rankings.
Calculation based on monthly periodicity.

Plan Sponsor Peer Group Analysis

KERS Pension Plan vs All Public Plans-Total Fund

Periods Ended December 31, 2022



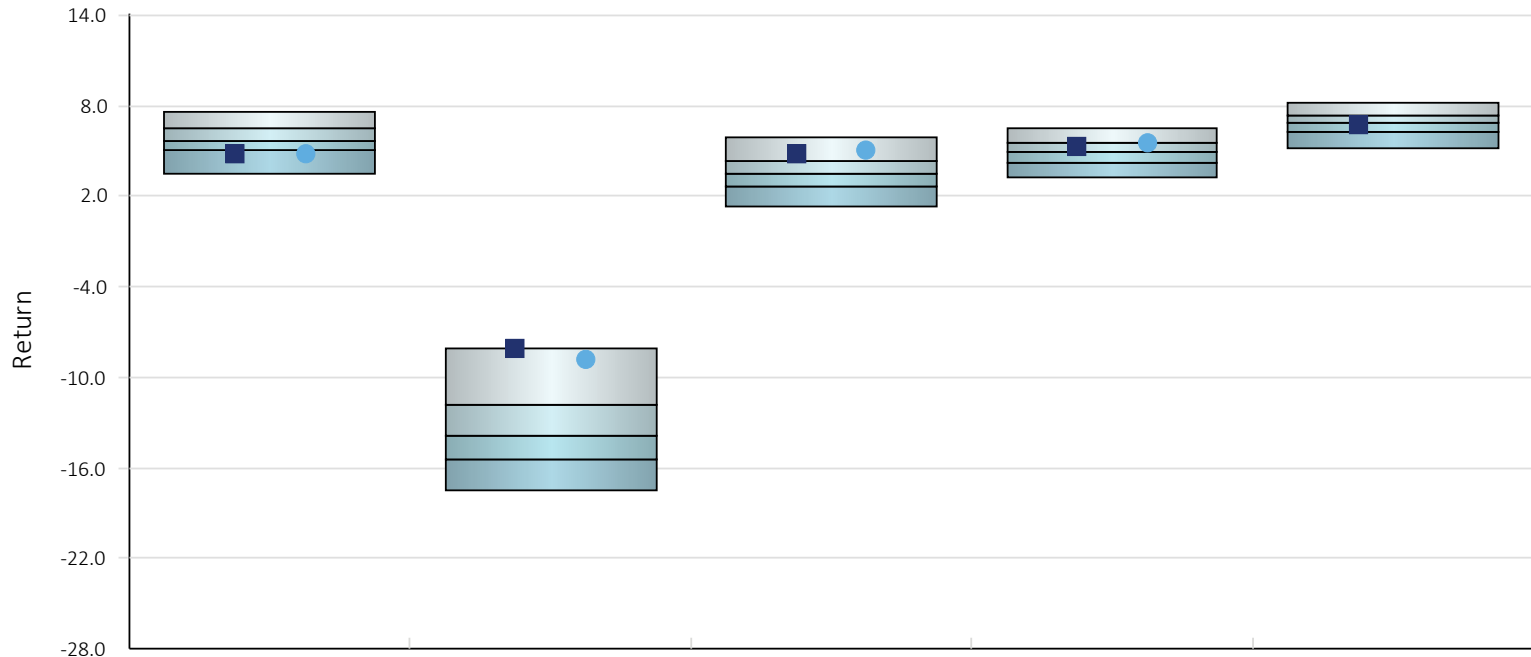
	QTD	1 Year	3 Years	5 Years	10 Years
■ KERS Pension Plan	3.56 (95)	-7.25 (4)	4.67 (19)	5.14 (39)	6.43 (70)
● KERS Pension IPS Index	4.08 (92)	-7.67 (5)	4.12 (32)	4.93 (49)	
5th Percentile	7.55	-8.08	5.92	6.51	8.17
1st Quartile	6.48	-11.88	4.33	5.50	7.40
Median	5.72	-13.92	3.53	4.90	6.84
3rd Quartile	5.02	-15.49	2.71	4.25	6.28
95th Percentile	3.44	-17.47	1.29	3.20	5.19
Population	532	524	511	488	395

Parentheses contain percentile rankings.
Calculation based on monthly periodicity.

Plan Sponsor Peer Group Analysis

KERS (H) Pension Plan vs All Public Plans-Total Fund

Periods Ended December 31, 2022



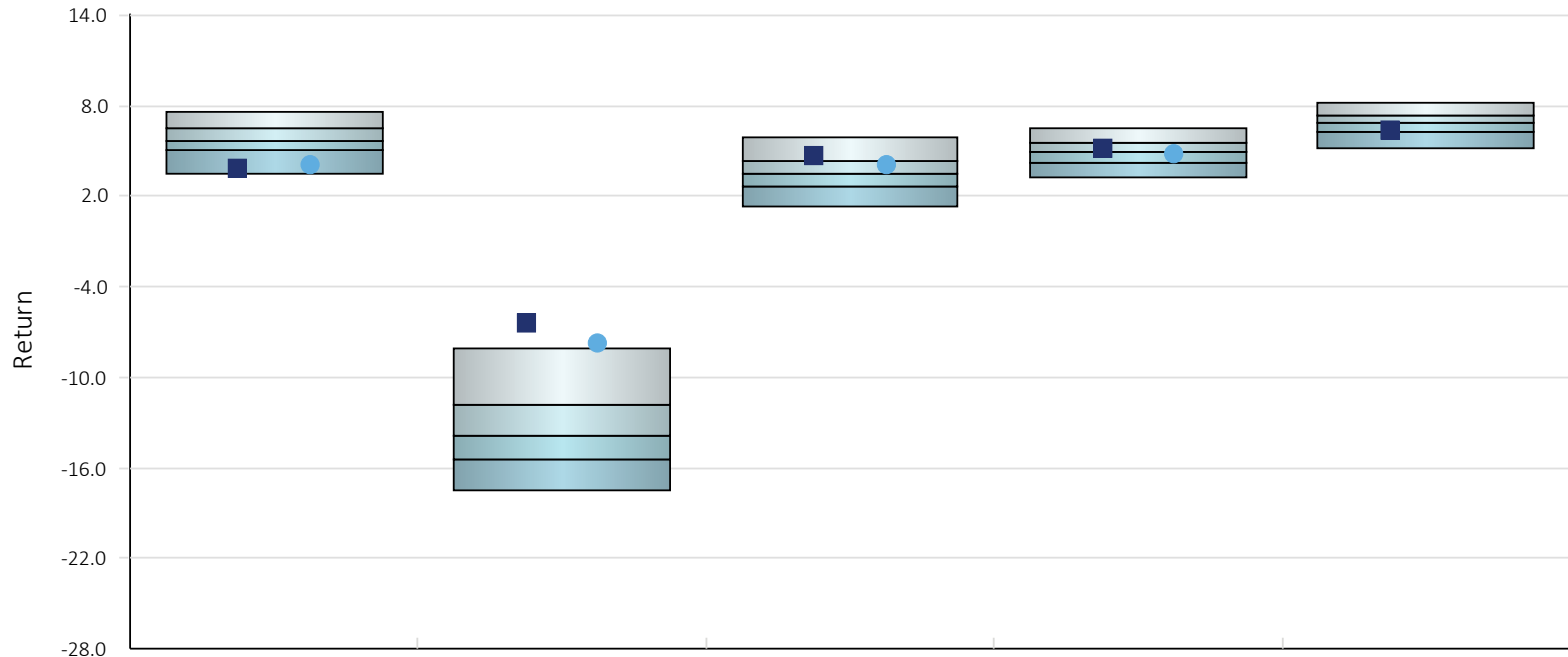
	QTD	1 Year	3 Years	5 Years	10 Years
■ KERS (H) Pension Plan	4.87 (79)	-8.04 (5)	4.78 (17)	5.36 (31)	6.77 (55)
● KERS (H) Pension IPS Index	4.81 (80)	-8.80 (6)	5.02 (12)	5.61 (23)	
5th Percentile	7.55	-8.08	5.92	6.51	8.17
1st Quartile	6.48	-11.88	4.33	5.50	7.40
Median	5.72	-13.92	3.53	4.90	6.84
3rd Quartile	5.02	-15.49	2.71	4.25	6.28
95th Percentile	3.44	-17.47	1.29	3.20	5.19
Population	532	524	511	488	395

Parentheses contain percentile rankings.
Calculation based on monthly periodicity.

Plan Sponsor Peer Group Analysis

SPRS Pension Plan vs All Public Plans-Total Fund

Periods Ended December 31, 2022



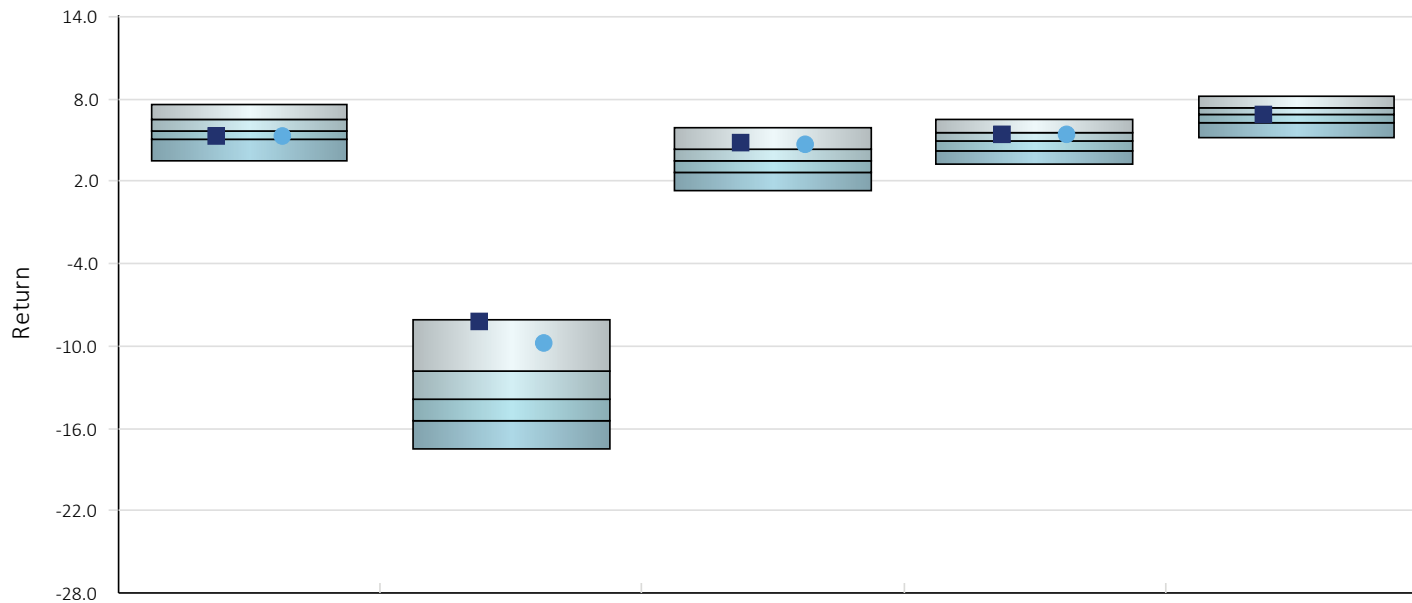
	QTD	1 Year	3 Years	5 Years	10 Years
■ SPRS Pension Plan	3.87 (92)	-6.41 (3)	4.72 (18)	5.18 (38)	6.38 (73)
● SPRS Pension IPS Index	4.08 (92)	-7.67 (5)	4.12 (32)	4.87 (52)	
5th Percentile	7.55	-8.08	5.92	6.51	8.17
1st Quartile	6.48	-11.88	4.33	5.50	7.40
Median	5.72	-13.92	3.53	4.90	6.84
3rd Quartile	5.02	-15.49	2.71	4.25	6.28
95th Percentile	3.44	-17.47	1.29	3.20	5.19
Population	532	524	511	488	395

Parentheses contain percentile rankings.
Calculation based on monthly periodicity.

Plan Sponsor Peer Group Analysis

CERS Pension Plan vs All Public Plans-Total Fund

Periods Ended December 31, 2022



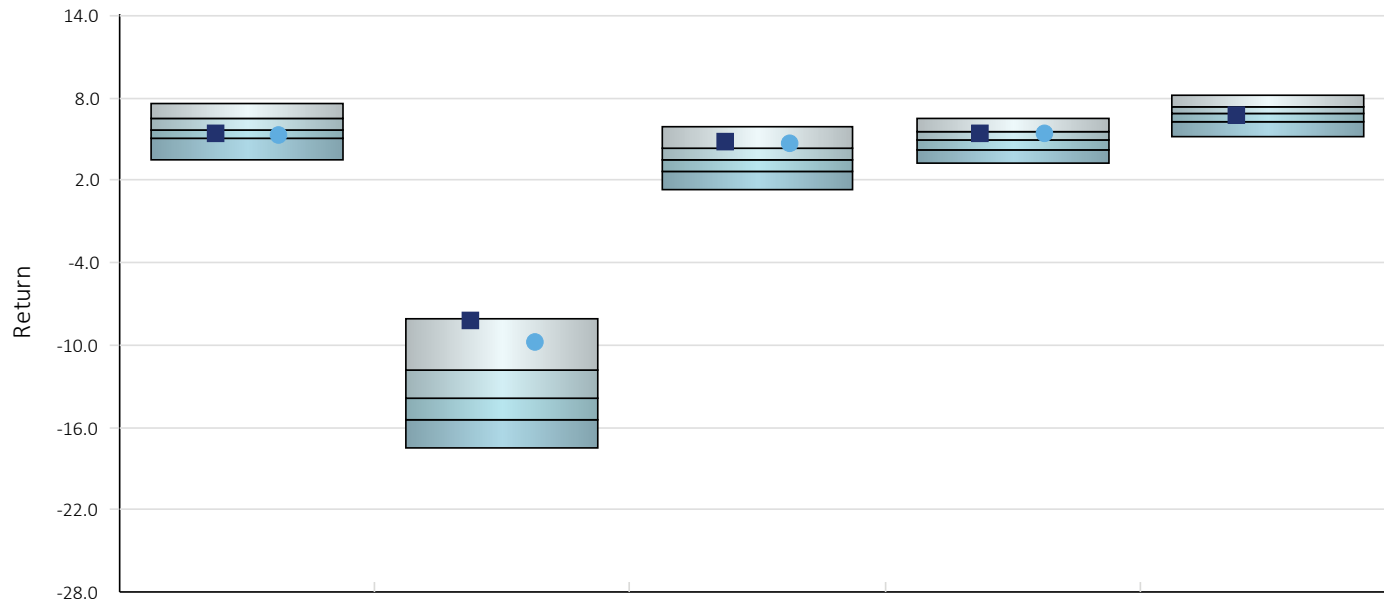
	QTD	1 Year	3 Years	5 Years	10 Years
■ CERS Pension Plan	5.32 (65)	-8.17 (6)	4.88 (14)	5.46 (28)	6.83 (51)
● CERS Pension IPS Index	5.34 (65)	-9.77 (10)	4.66 (20)	5.40 (30)	
5th Percentile	7.55	-8.08	5.92	6.51	8.17
1st Quartile	6.48	-11.88	4.33	5.50	7.40
Median	5.72	-13.92	3.53	4.90	6.84
3rd Quartile	5.02	-15.49	2.71	4.25	6.28
95th Percentile	3.44	-17.47	1.29	3.20	5.19
Population	532	524	511	488	395

Parentheses contain percentile rankings.
Calculation based on monthly periodicity.

Plan Sponsor Peer Group Analysis

CERS (H) Pension Plan vs All Public Plans-Total Fund

Periods Ended December 31, 2022



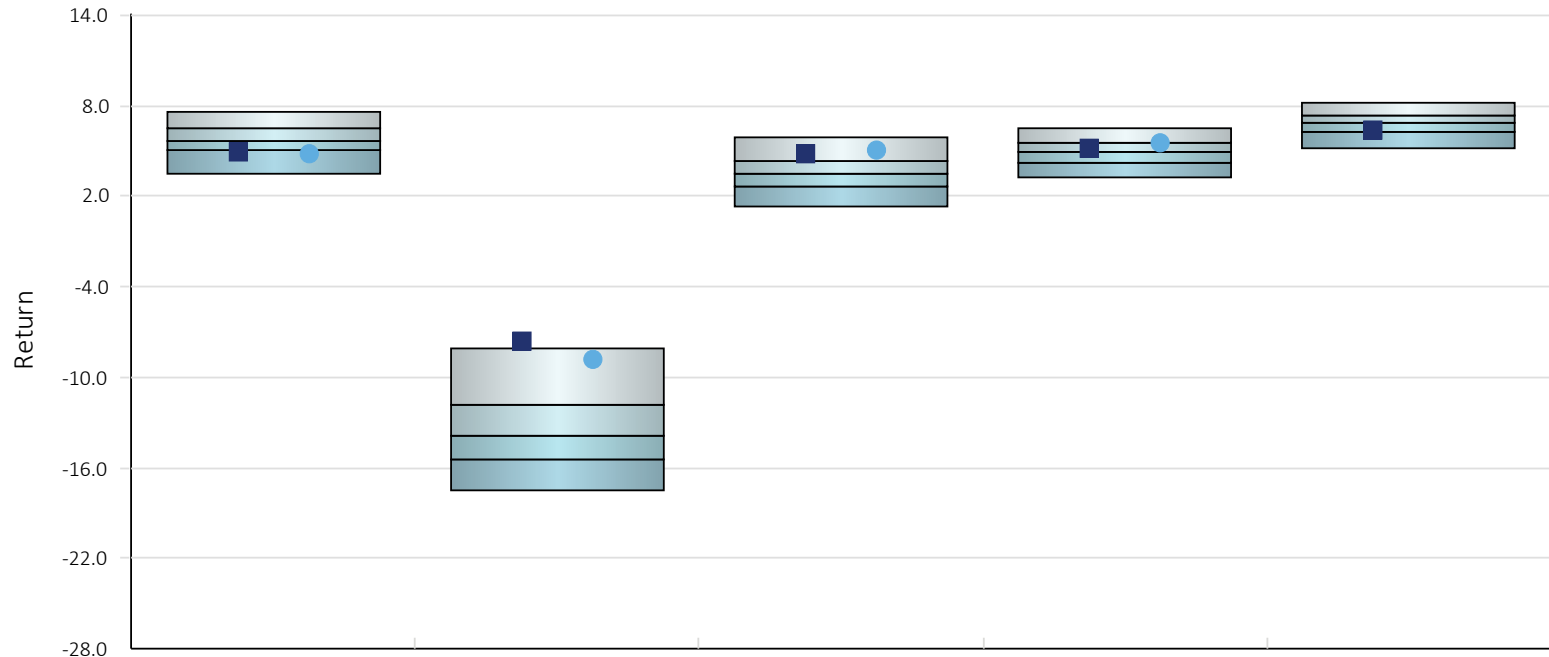
	QTD	1 Year	3 Years	5 Years	10 Years
■ CERS (H) Pension Plan	5.37 (64)	-8.25 (6)	4.78 (17)	5.40 (29)	6.80 (52)
● CERS (H) Pension IPS Index	5.34 (65)	-9.77 (10)	4.66 (20)	5.40 (29)	
5th Percentile	7.55	-8.08	5.92	6.51	8.17
1st Quartile	6.48	-11.88	4.33	5.50	7.40
Median	5.72	-13.92	3.53	4.90	6.84
3rd Quartile	5.02	-15.49	2.71	4.25	6.28
95th Percentile	3.44	-17.47	1.29	3.20	5.19
Population	532	524	511	488	395

Parentheses contain percentile rankings.
Calculation based on monthly periodicity.

Plan Sponsor Peer Group Analysis

KERS Insurance Plan vs All Public Plans-Total Fund

Periods Ended December 31, 2022



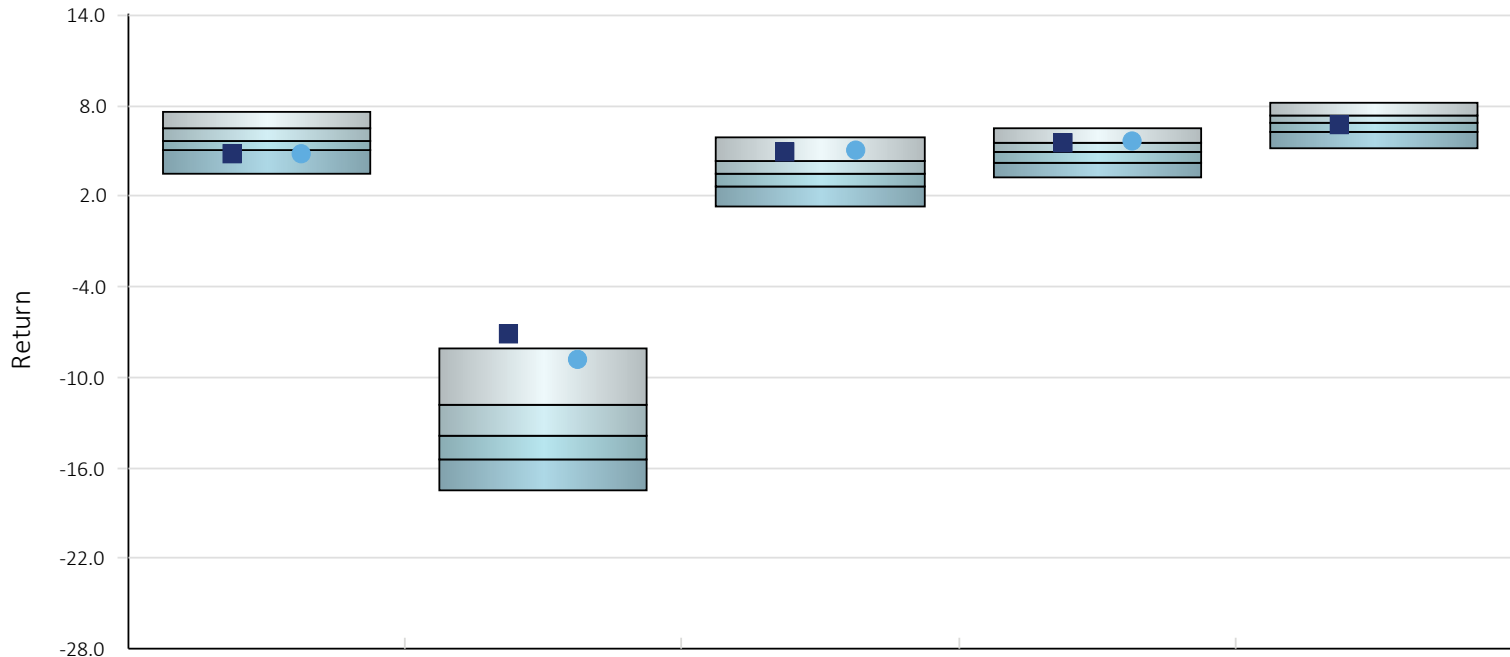
	QTD	1 Year	3 Years	5 Years	10 Years
■ KERS Insurance Plan	4.90 (79)	-7.59 (5)	4.88 (14)	5.15 (39)	6.43 (70)
● KERS Insurance IPS Index	4.81 (80)	-8.80 (6)	5.02 (12)	5.60 (23)	
5th Percentile	7.55	-8.08	5.92	6.51	8.17
1st Quartile	6.48	-11.88	4.33	5.50	7.40
Median	5.72	-13.92	3.53	4.90	6.84
3rd Quartile	5.02	-15.49	2.71	4.25	6.28
95th Percentile	3.44	-17.47	1.29	3.20	5.19
Population	532	524	511	488	395

Parentheses contain percentile rankings.
Calculation based on monthly periodicity.

Plan Sponsor Peer Group Analysis

KERS (H) Insurance Plan vs All Public Plans-Total Fund

Periods Ended December 31, 2022



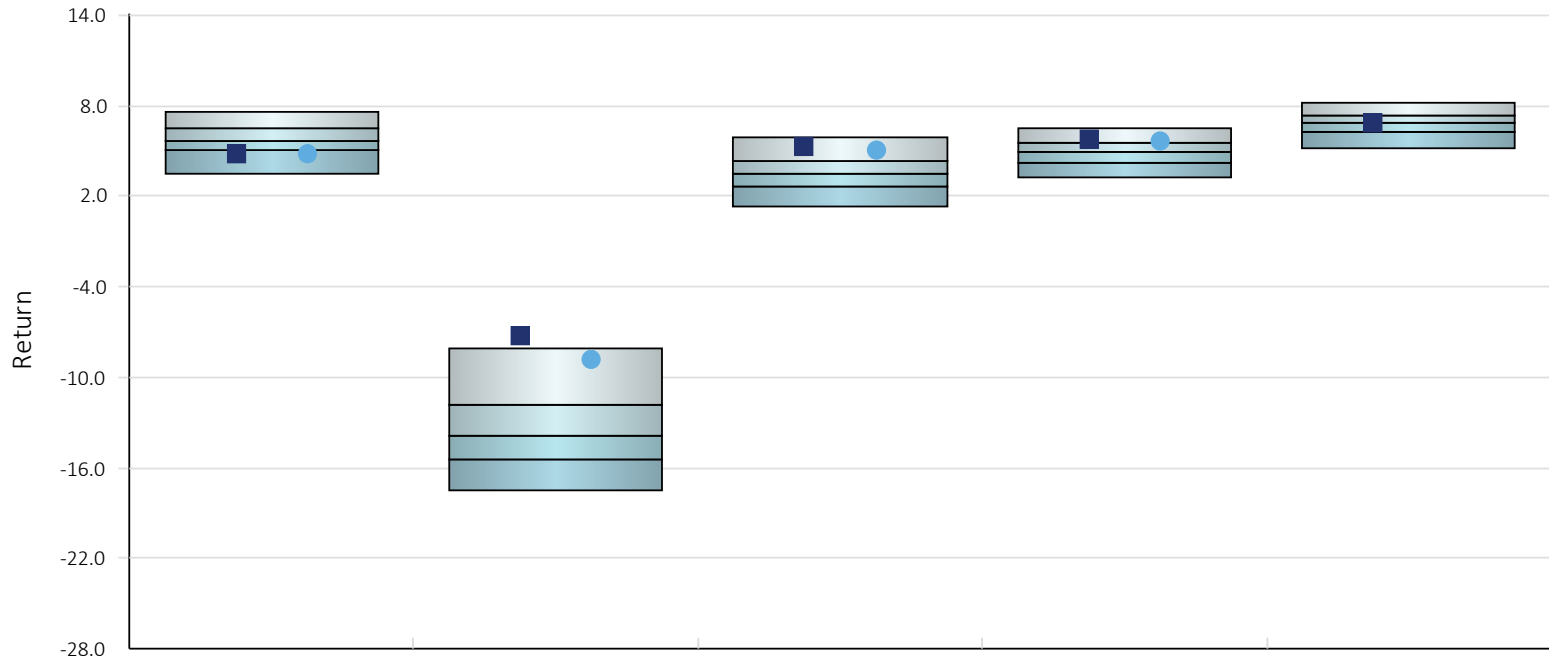
	QTD	1 Year	3 Years	5 Years	10 Years
■ KERS (H) Insurance Plan	4.83 (80)	-7.11 (4)	5.00 (13)	5.49 (26)	6.77 (54)
● KERS (H) Insurance IPS Index	4.81 (80)	-8.80 (6)	5.02 (12)	5.66 (21)	
5th Percentile	7.55	-8.08	5.92	6.51	8.17
1st Quartile	6.48	-11.88	4.33	5.50	7.40
Median	5.72	-13.92	3.53	4.90	6.84
3rd Quartile	5.02	-15.49	2.71	4.25	6.28
95th Percentile	3.44	-17.47	1.29	3.20	5.19
Population	532	524	511	488	395

Parentheses contain percentile rankings.
Calculation based on monthly periodicity.

Plan Sponsor Peer Group Analysis

SPRS Insurance Plan vs All Public Plans-Total Fund

Periods Ended December 31, 2022



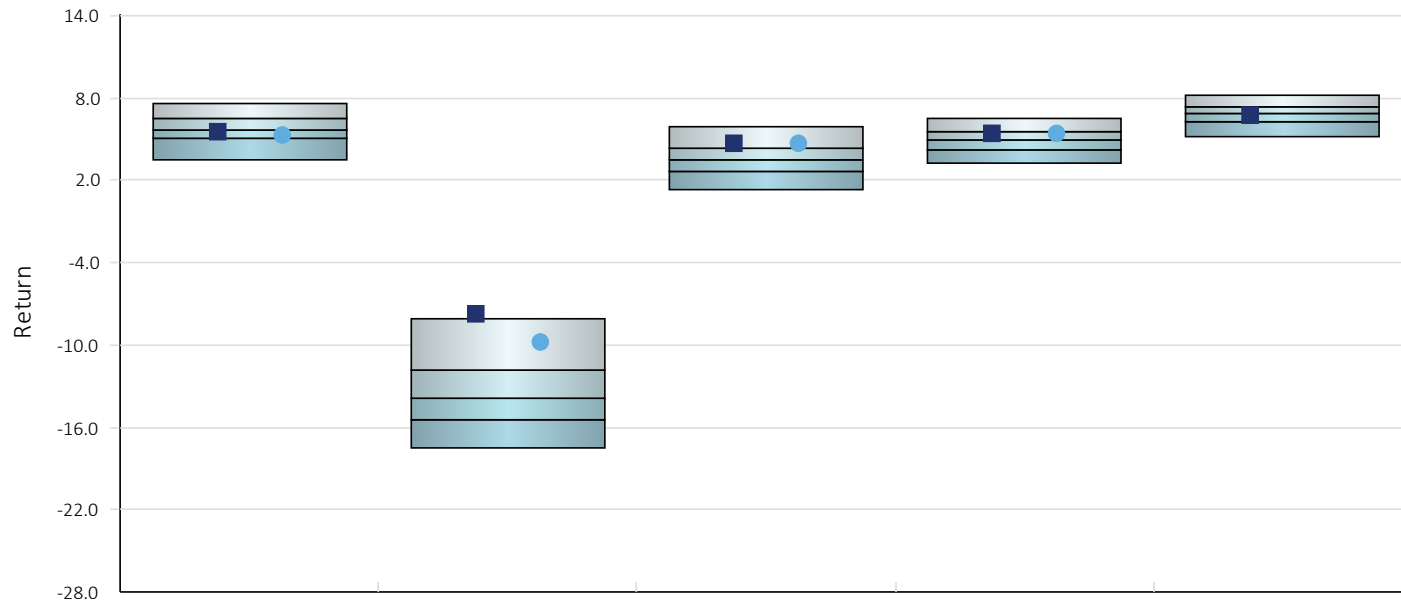
	QTD	1 Year	3 Years	5 Years	10 Years
■ SPRS Insurance Plan	4.87 (79)	-7.21 (4)	5.26 (10)	5.73 (17)	6.93 (45)
● SPRS Insurance IPS Index	4.81 (80)	-8.80 (6)	5.02 (12)	5.66 (20)	
5th Percentile	7.55	-8.08	5.92	6.51	8.17
1st Quartile	6.48	-11.88	4.33	5.50	7.40
Median	5.72	-13.92	3.53	4.90	6.84
3rd Quartile	5.02	-15.49	2.71	4.25	6.28
95th Percentile	3.44	-17.47	1.29	3.20	5.19
Population	532	524	511	488	395

Parentheses contain percentile rankings.
Calculation based on monthly periodicity.

Plan Sponsor Peer Group Analysis

CERS Insurance Plan vs All Public Plans-Total Fund

Periods Ended December 31, 2022



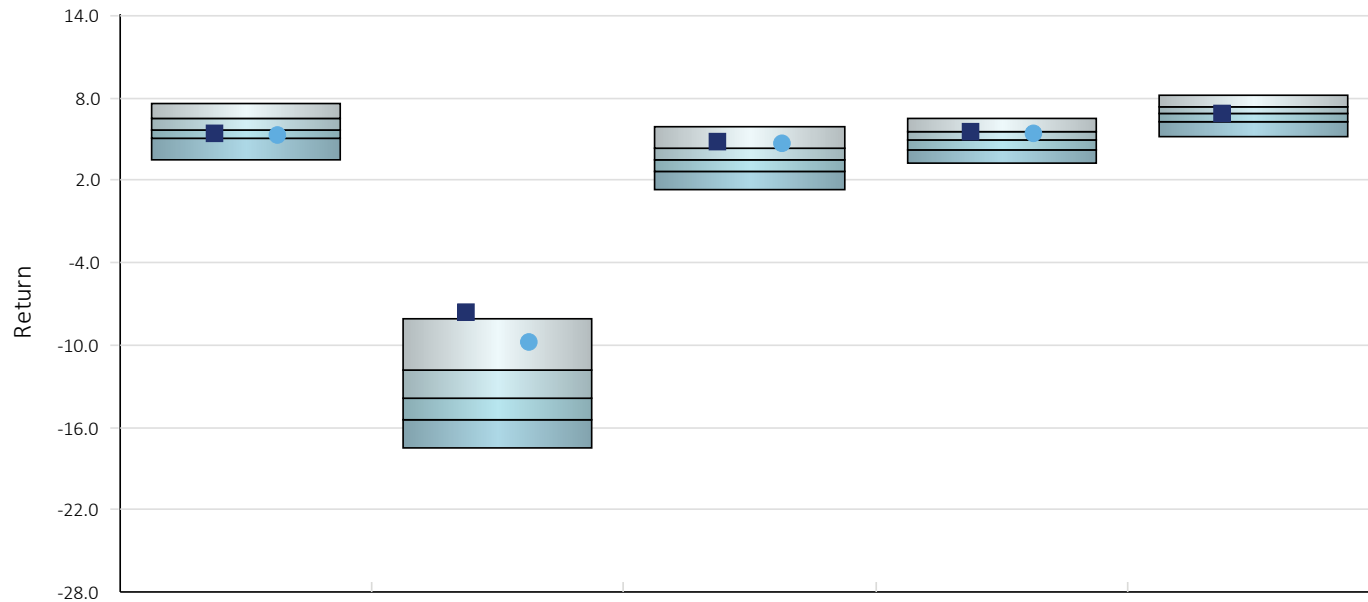
	QTD	1 Year	3 Years	5 Years	10 Years
■ CERS Insurance Plan	5.51 (59)	-7.71 (5)	4.71 (18)	5.39 (30)	6.75 (55)
● CERS Insurance IPS Index	5.34 (65)	-9.77 (10)	4.66 (20)	5.45 (28)	
5th Percentile	7.55	-8.08	5.92	6.51	8.17
1st Quartile	6.48	-11.88	4.33	5.50	7.40
Median	5.72	-13.92	3.53	4.90	6.84
3rd Quartile	5.02	-15.49	2.71	4.25	6.28
95th Percentile	3.44	-17.47	1.29	3.20	5.19
Population	532	524	511	488	395

Parentheses contain percentile rankings.
Calculation based on monthly periodicity.

Plan Sponsor Peer Group Analysis

CERS (H) Insurance Plan vs All Public Plans-Total Fund

Periods Ended December 31, 2022



	QTD	1 Year	3 Years	5 Years	10 Years
■ CERS (H) Insurance Plan	5.41 (62)	-7.58 (5)	4.86 (15)	5.51 (25)	6.83 (51)
● CERS (H) Insurance IPS Index	5.34 (65)	-9.77 (10)	4.66 (20)	5.45 (28)	
5th Percentile	7.55	-8.08	5.92	6.51	8.17
1st Quartile	6.48	-11.88	4.33	5.50	7.40
Median	5.72	-13.92	3.53	4.90	6.84
3rd Quartile	5.02	-15.49	2.71	4.25	6.28
95th Percentile	3.44	-17.47	1.29	3.20	5.19
Population	532	524	511	488	395

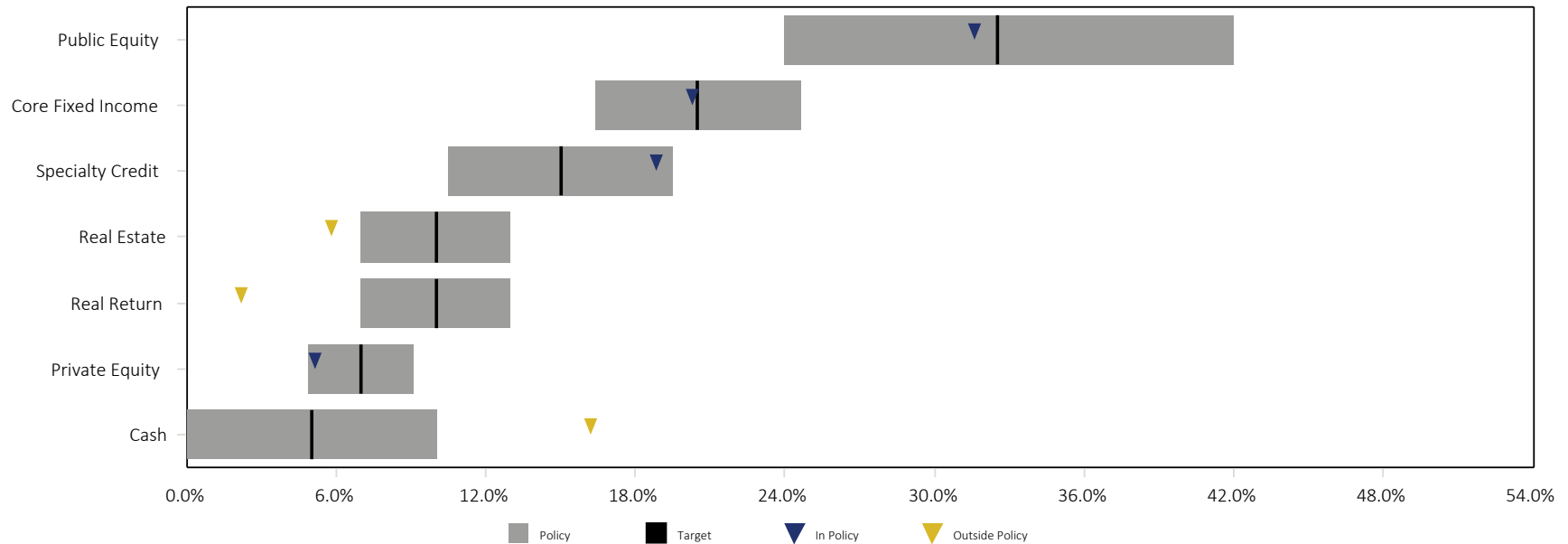
Parentheses contain percentile rankings.
Calculation based on monthly periodicity.

Asset Allocation Compliance

KERS Pension Plan

Periods Ended As of December 31, 2022

Executive Summary



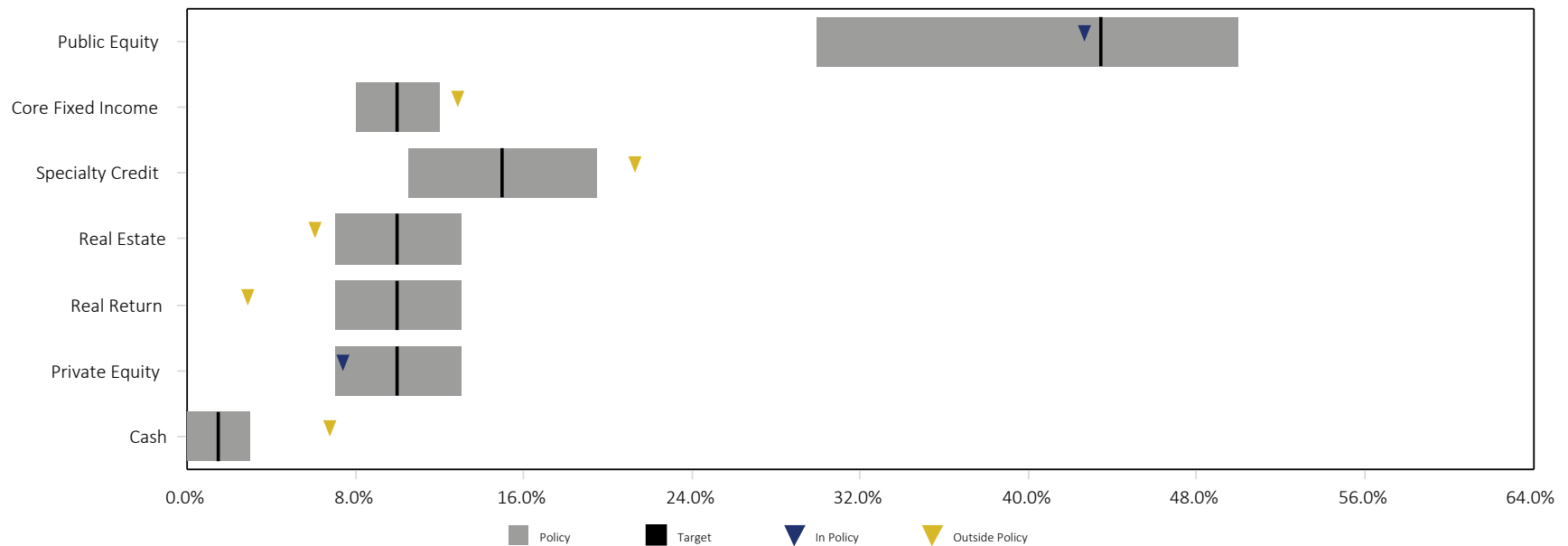
	Asset Allocation \$	Asset Allocation (%)	Minimum Allocation (%)	Maximum Allocation (%)	Target Allocation (%)	Target Rebalance \$
Public Equity	1,005,532,940	31.64	24.00	42.00	32.50	27,426,046
Core Fixed Income	645,246,363	20.30	16.40	24.60	20.50	6,312,382
Specialty Credit	597,664,904	18.80	10.50	19.50	15.00	-120,914,603
Real Estate	184,585,622	5.81	7.00	13.00	10.00	133,247,912
Real Return	68,725,411	2.16	7.00	13.00	10.00	249,108,123
Private Equity	162,397,892	5.11	4.90	9.10	7.00	60,085,582
Cash	514,182,209	16.18	0.00	10.00	5.00	-355,265,441
Total Fund	3,178,335,341	100.00			100.00	

Asset Allocation Compliance

KERS (H) Pension Plan

Periods Ended As of December 31, 2022

Executive Summary



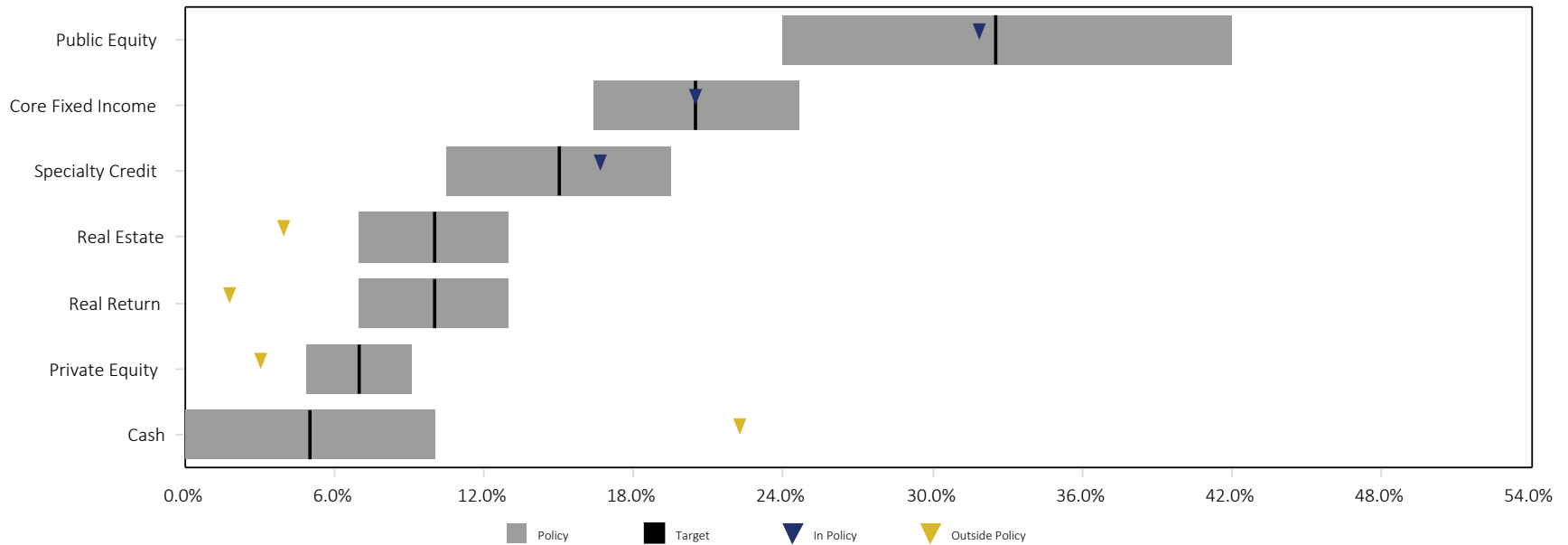
	Asset Allocation \$	Asset Allocation (%)	Minimum Allocation (%)	Maximum Allocation (%)	Target Allocation (%)	Target Rebalance \$
Public Equity	356,357,539	42.66	30.00	50.00	43.50	6,982,051
Core Fixed Income	107,272,871	12.84	8.00	12.00	10.00	-23,746,528
Specialty Credit	178,277,966	21.34	10.50	19.50	15.00	-52,988,453
Real Estate	50,756,037	6.08	7.00	13.00	10.00	32,770,306
Real Return	24,066,153	2.88	7.00	13.00	10.00	59,460,190
Private Equity	62,082,995	7.43	7.00	13.00	10.00	21,443,348
Cash	56,449,865	6.76	0.00	3.00	1.50	-43,920,914
Total Fund	835,263,425	100.00			100.00	

Asset Allocation Compliance

SPRS Pension Plan

Periods Ended As of December 31, 2022

Executive Summary



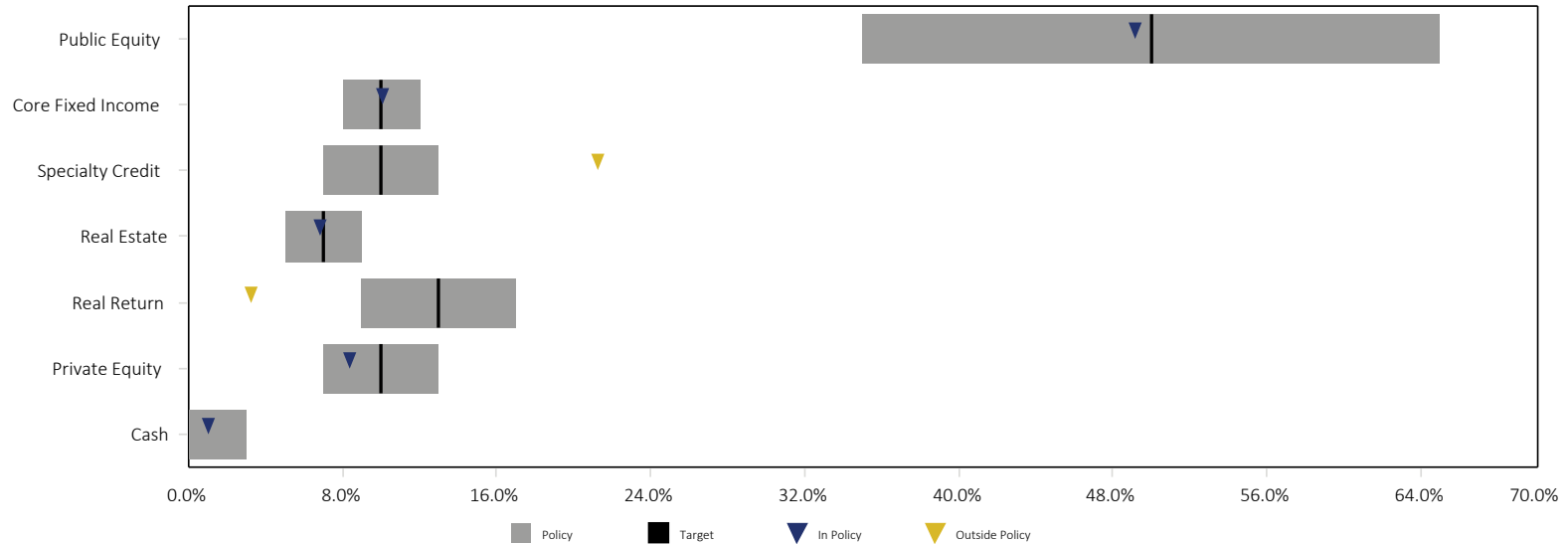
	Asset Allocation \$	Asset Allocation (%)	Minimum Allocation (%)	Maximum Allocation (%)	Target Allocation (%)	Target Rebalance \$
Public Equity	177,399,670	31.86	24.00	42.00	32.50	3,535,632
Core Fixed Income	113,943,714	20.47	16.40	24.60	20.50	184,707
Specialty Credit	92,751,055	16.66	10.50	19.50	15.00	-9,242,454
Real Estate	21,965,963	3.95	7.00	13.00	10.00	33,706,438
Real Return	9,982,749	1.79	7.00	13.00	10.00	45,689,652
Private Equity	16,728,373	3.00	4.90	9.10	7.00	22,242,307
Cash	123,952,483	22.26	0.00	10.00	5.00	-96,116,283
Total Fund	556,724,008	100.00			100.00	

Asset Allocation Compliance

CERS Pension Plan

Periods Ended As of December 31, 2022

Executive Summary



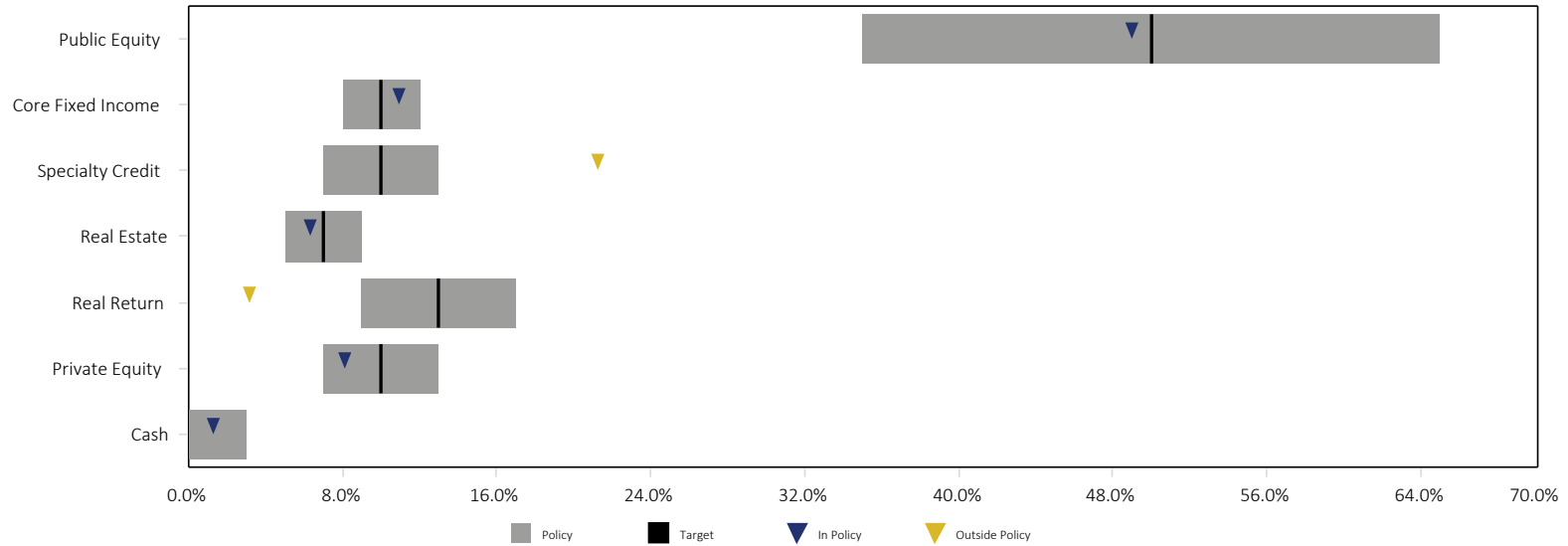
	Asset Allocation \$	Asset Allocation (%)	Minimum Allocation (%)	Maximum Allocation (%)	Target Allocation (%)	Target Rebalance \$
Public Equity	3,964,124,358	49.18	35.00	65.00	50.00	66,317,000
Core Fixed Income	813,833,728	10.10	8.00	12.00	10.00	-7,745,457
Specialty Credit	1,712,051,881	21.24	7.00	13.00	10.00	-905,963,609
Real Estate	548,383,290	6.80	5.00	9.00	7.00	15,878,500
Real Return	261,666,508	3.25	9.00	17.00	13.00	786,248,245
Private Equity	676,459,973	8.39	7.00	13.00	10.00	129,628,298
Cash	84,362,977	1.05	0.00	3.00	0.00	-84,362,977
Total Fund	8,060,882,715	100.00			100.00	

Asset Allocation Compliance

CERS (H) Pension Plan

Periods Ended As of December 31, 2022

Executive Summary



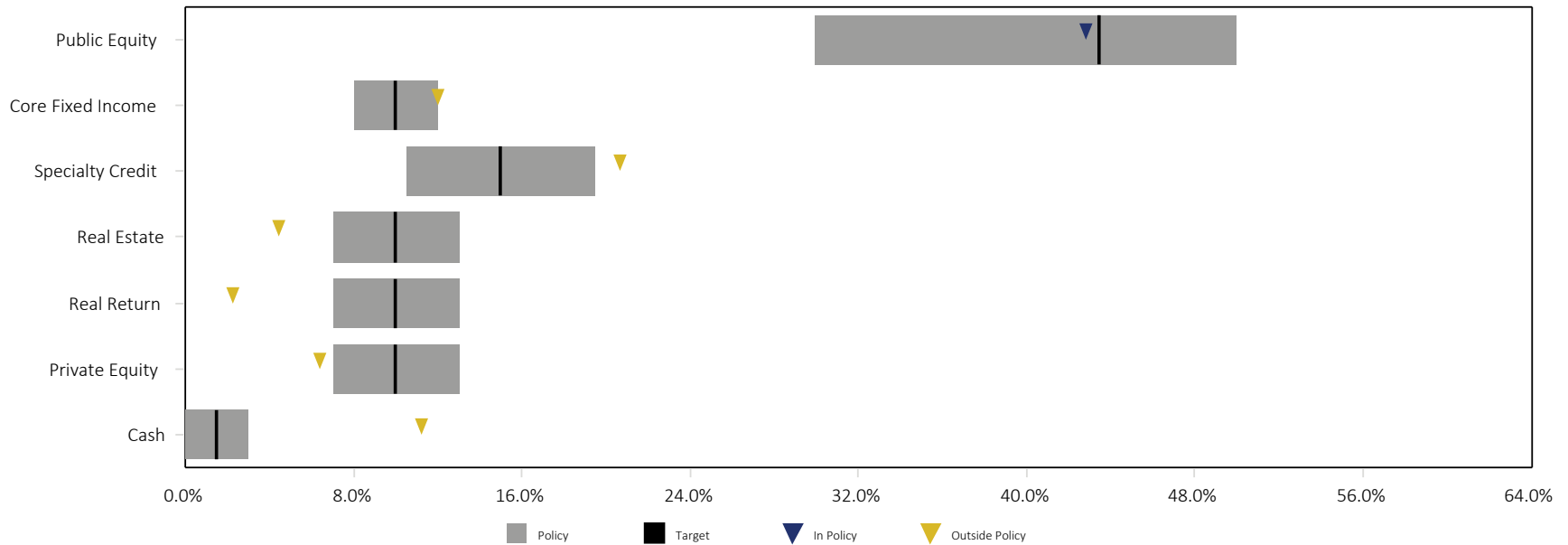
	Asset Allocation \$	Asset Allocation (%)	Minimum Allocation (%)	Maximum Allocation (%)	Target Allocation (%)	Target Rebalance \$
Public Equity	1,356,593,495	48.98	35.00	65.00	50.00	28,339,842
Core Fixed Income	302,695,384	10.93	8.00	12.00	10.00	-25,708,716
Specialty Credit	588,670,419	21.25	7.00	13.00	10.00	-311,683,751
Real Estate	174,476,800	6.30	5.00	9.00	7.00	19,413,868
Real Return	86,711,580	3.13	9.00	17.00	13.00	273,371,087
Private Equity	225,693,389	8.15	7.00	13.00	10.00	51,293,279
Cash	35,025,608	1.26	0.00	3.00	0.00	-35,025,608
Total Fund	2,769,866,674	100.00			100.00	

Asset Allocation Compliance

KERS Insurance Plan

Periods Ended As of December 31, 2022

Executive Summary



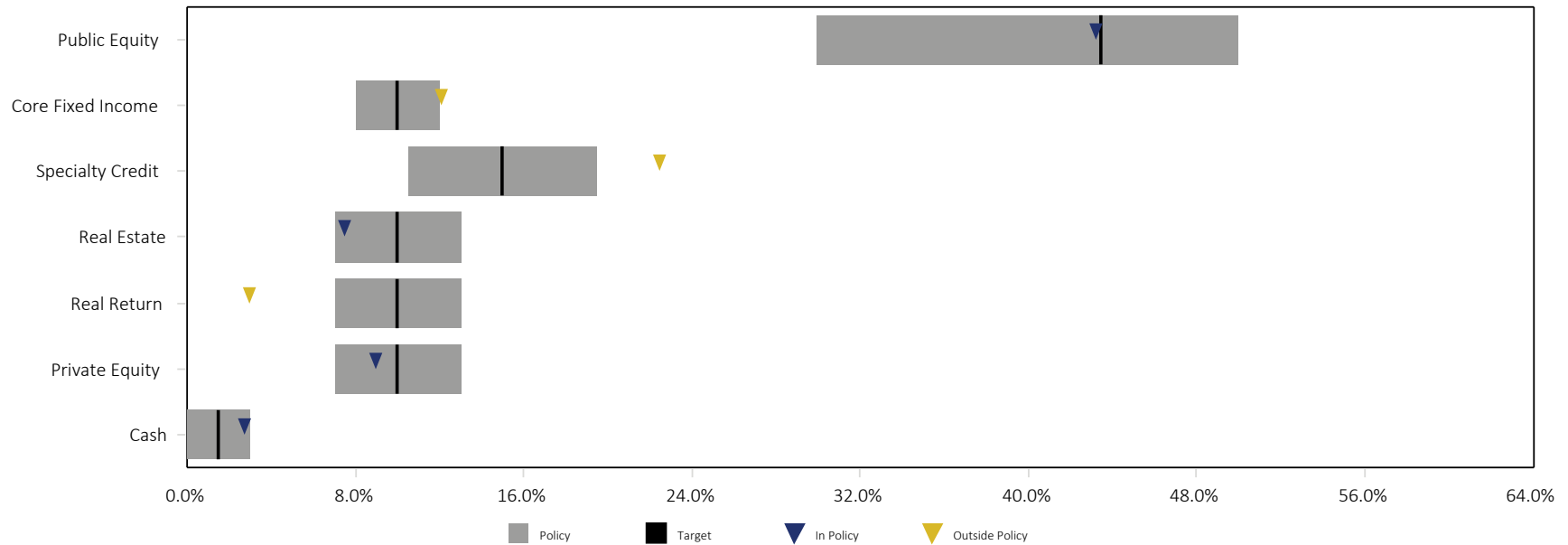
	Asset Allocation \$	Asset Allocation (%)	Minimum Allocation (%)	Maximum Allocation (%)	Target Allocation (%)	Target Rebalance \$
Public Equity	571,418,351	42.88	30.00	50.00	43.50	8,294,359
Core Fixed Income	160,651,882	12.05	8.00	12.00	10.00	-27,384,593
Specialty Credit	275,219,068	20.65	10.50	19.50	15.00	-75,318,133
Real Estate	59,651,375	4.48	7.00	13.00	10.00	73,615,915
Real Return	29,995,193	2.25	7.00	13.00	10.00	103,272,097
Private Equity	85,530,831	6.42	7.00	13.00	10.00	47,736,459
Cash	150,206,198	11.27	0.00	3.00	1.50	-130,216,105
Total Fund	1,332,672,898	100.00			100.00	

Asset Allocation Compliance

KERS (H) Insurance Plan

Periods Ended As of December 31, 2022

Executive Summary



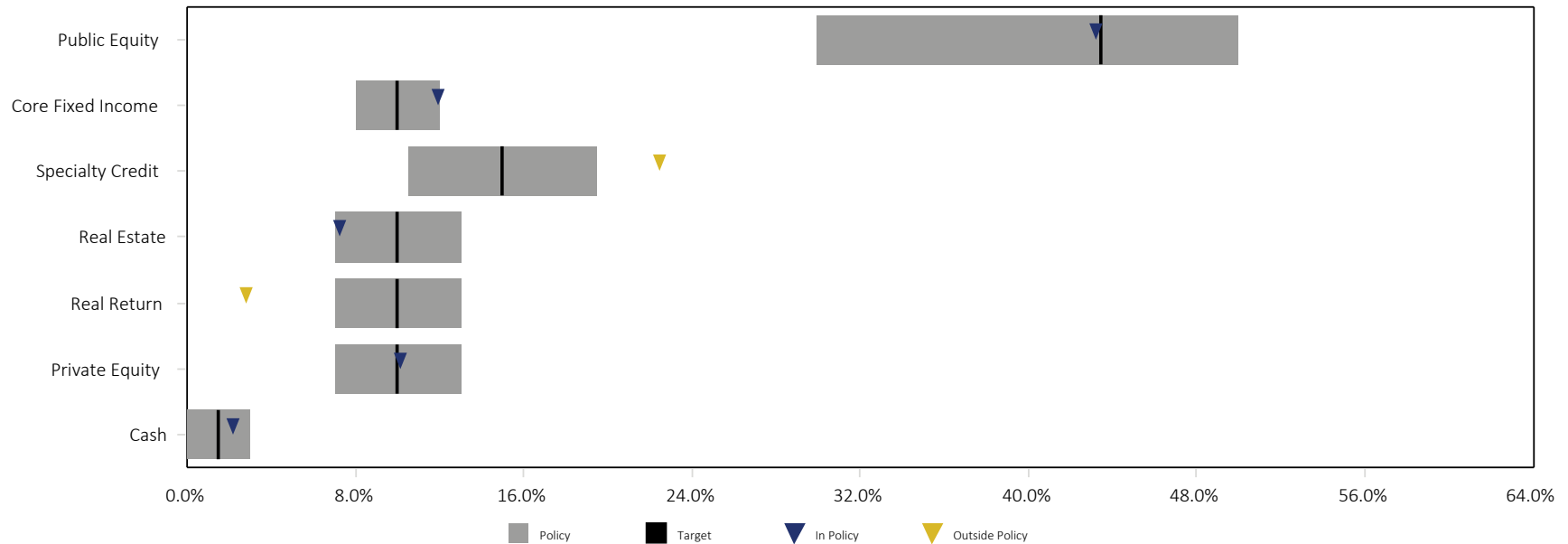
	Asset Allocation \$	Asset Allocation (%)	Minimum Allocation (%)	Maximum Allocation (%)	Target Allocation (%)	Target Rebalance \$
Public Equity	252,152,995	43.23	30.00	50.00	43.50	1,593,999
Core Fixed Income	70,377,950	12.06	8.00	12.00	10.00	-12,045,308
Specialty Credit	131,259,118	22.50	10.50	19.50	15.00	-43,760,155
Real Estate	43,772,991	7.50	7.00	13.00	10.00	14,559,652
Real Return	17,322,924	2.97	7.00	13.00	10.00	41,009,718
Private Equity	52,530,454	9.01	7.00	13.00	10.00	5,802,188
Cash	15,909,991	2.73	0.00	3.00	1.50	-7,160,095
Total Fund	583,326,424	100.00			100.00	

Asset Allocation Compliance

SPRS Insurance Plan

Periods Ended As of December 31, 2022

Executive Summary



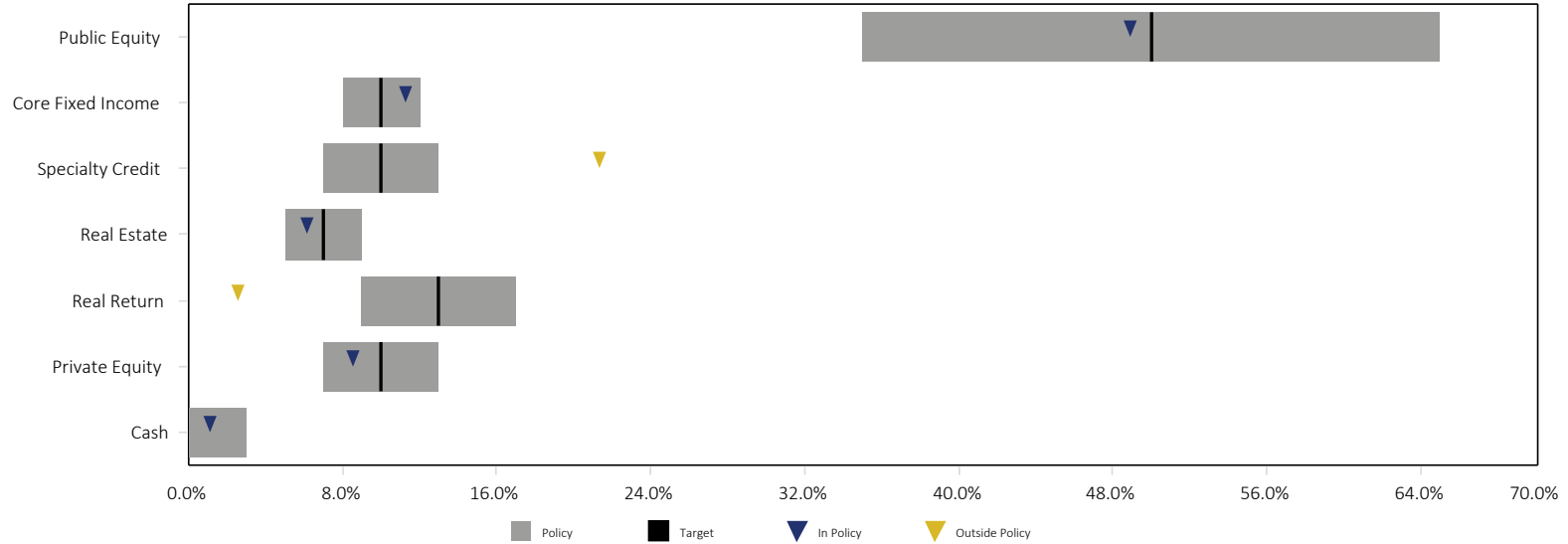
	Asset Allocation \$	Asset Allocation (%)	Minimum Allocation (%)	Maximum Allocation (%)	Target Allocation (%)	Target Rebalance \$
Public Equity	100,043,812	43.22	30.00	50.00	43.50	656,250
Core Fixed Income	27,617,659	11.93	8.00	12.00	10.00	-4,468,220
Specialty Credit	52,113,157	22.51	10.50	19.50	15.00	-17,388,998
Real Estate	16,742,992	7.23	7.00	13.00	10.00	6,406,448
Real Return	6,470,027	2.79	7.00	13.00	10.00	16,679,413
Private Equity	23,430,873	10.12	7.00	13.00	10.00	-281,433
Cash	5,075,876	2.19	0.00	3.00	1.50	-1,603,460
Total Fund	231,494,396	100.00			100.00	

Asset Allocation Compliance

CERS Insurance Plan

Periods Ended As of December 31, 2022

Executive Summary



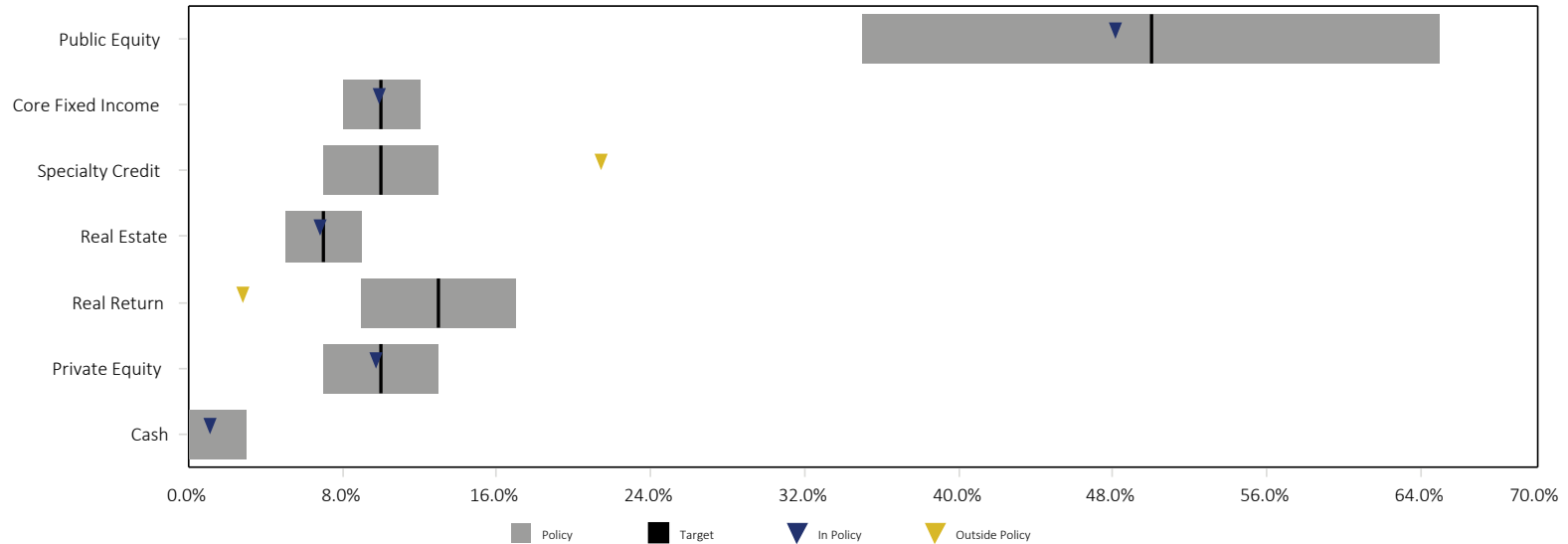
	Asset Allocation \$	Asset Allocation (%)	Minimum Allocation (%)	Maximum Allocation (%)	Target Allocation (%)	Target Rebalance \$
Public Equity	1,503,204,987	48.94	35.00	65.00	50.00	32,454,601
Core Fixed Income	345,447,041	11.25	8.00	12.00	10.00	-38,315,123
Specialty Credit	655,271,249	21.34	7.00	13.00	10.00	-348,139,331
Real Estate	190,045,239	6.19	5.00	9.00	7.00	24,947,103
Real Return	79,204,378	2.58	9.00	17.00	13.00	320,067,115
Private Equity	263,422,196	8.58	7.00	13.00	10.00	43,709,722
Cash	34,724,087	1.13	0.00	3.00	0.00	-34,724,087
Total Fund	3,071,319,176	100.00			100.00	

Asset Allocation Compliance

CERS (H) Insurance Plan

Periods Ended As of December 31, 2022

Executive Summary



	Asset Allocation \$	Asset Allocation (%)	Minimum Allocation (%)	Maximum Allocation (%)	Target Allocation (%)	Target Rebalance \$
Public Equity	733,129,998	48.14	35.00	65.00	50.00	28,285,668
Core Fixed Income	151,178,609	9.93	8.00	12.00	10.00	1,104,524
Specialty Credit	326,611,917	21.45	7.00	13.00	10.00	-174,328,783
Real Estate	104,187,750	6.84	5.00	9.00	7.00	2,410,444
Real Return	42,397,798	2.78	9.00	17.00	13.00	155,570,275
Private Equity	148,193,392	9.73	7.00	13.00	10.00	4,089,742
Cash	17,131,869	1.13	0.00	3.00	0.00	-17,131,869
Total Fund	1,522,831,333	100.00			100.00	

Asset Allocation & Performance

Total Fund

Periods Ended December 31, 2022

	Market Value \$	Performance (%) net of fees									
		QTD	FYTD	1 Year	3 Years	5 Years	10 Years	20 Years	30 Years	Since Inception	Inception Date
KERS Pension Plan	3,178,335,341	3.56	1.16	-7.25	4.67	5.14	6.43	6.75	7.46	8.65	4/1/1984
KERS Pension IPS Index		4.08	0.34	-7.67	4.12	4.93					
Value Added		-0.52	0.82	0.42	0.55	0.21					
KERS Pension Attribution Index		4.20	1.28	-8.05	4.02						
Value Added		-0.64	-0.12	0.80	0.65						
Assumed Rate 5.25%		1.29	2.59	5.25	5.25	5.25					
Value Added		2.27	-1.43	-12.50	-0.58	-0.11					
KERS Insurance Plan	1,332,672,898	4.90	2.48	-7.59	4.88	5.15	6.43	6.64	6.66	7.16	4/1/1987
KERS Insurance IPS Index		4.81	0.27	-8.80	5.02	5.60					
Value Added		0.09	2.21	1.21	-0.14	-0.45					
KERS Insurance Attribution Index		5.14	2.77	-6.52	5.47						
Value Added		-0.24	-0.29	-1.07	-0.59						
Assumed Rate 6.25%		1.53	3.08	6.25	6.25	6.25					
Value Added		3.37	-0.60	-13.84	-1.37	-1.10					
KERS (H) Pension Plan	835,263,425	4.87	2.14	-8.04	4.78	5.36	6.77	6.92	7.57	8.74	4/1/1984
KERS (H) Pension IPS Index		4.81	0.27	-8.80	5.02	5.61					
Value Added		0.06	1.87	0.76	-0.24	-0.25					
KERS (H) Pension Attribution Index		5.14	2.18	-7.68	5.05						
Value Added		-0.27	-0.04	-0.36	-0.27						
Assumed Rate 6.25%		1.53	3.08	6.25	6.25	6.25					
Value Added		3.34	-0.94	-14.29	-1.47	-0.89					

Asset Allocation & Performance

Total Fund

Periods Ended December 31, 2022

	Market Value \$	Performance (%) net of fees									
		QTD	FYTD	1 Year	3 Years	5 Years	10 Years	20 Years	30 Years	Since Inception	Inception Date
KERS (H) Insurance Plan	583,326,424	4.83	2.16	-7.11	5.00	5.49	6.77	6.81	6.77	7.25	4/1/1987
KERS (H) Insurance IPS Index		4.81	0.27	-8.80	5.02	5.66					
Value Added		0.02	1.89	1.69	-0.02	-0.17					
KERS (H) Insurance Attribution Index		5.13	2.26	-7.41	4.98						
Value Added		-0.30	-0.10	0.30	0.02						
Assumed Rate 6.25%		1.53	3.08	6.25	6.25	6.25					
Value Added		3.30	-0.92	-13.36	-1.25	-0.76					
SPRS Pension Plan	556,724,008	3.87	1.72	-6.41	4.72	5.18	6.38	6.73	7.44	8.64	4/1/1984
SPRS Pension IPS Index		4.08	0.34	-7.67	4.12	4.87					
Value Added		-0.21	1.38	1.26	0.60	0.31					
SPRS Pension Attribution Index		4.27	1.52	-7.50	4.03						
Value Added		-0.40	0.20	1.09	0.69						
Assumed Rate 5.25%		1.29	2.59	5.25	5.25	5.25					
Value Added		2.58	-0.87	-11.66	-0.53	-0.07					
SPRS Insurance Plan	231,494,396	4.87	2.13	-7.21	5.26	5.73	6.93	6.89	6.83	7.30	4/1/1987
SPRS Insurance IPS Index		4.81	0.27	-8.80	5.02	5.66					
Value Added		0.06	1.86	1.59	0.24	0.07					
SPRS Insurance Attribution Index		5.19	2.31	-7.39	5.02						
Value Added		-0.32	-0.18	0.18	0.24						
Assumed Rate 6.25%		1.53	3.08	6.25	6.25	6.25					
Value Added		3.34	-0.95	-13.46	-0.99	-0.52					

Asset Allocation & Performance

Pension Plan Accounts

Periods Ended December 31, 2022

	Performance (%) net of fees							Inception Date
	1 Month	QTD	FYTD	1 Year	3 Years	5 Years	Since Inception	
Public Equity	-3.51	10.54	3.66	-18.46			-14.04	12/1/2021
Public Equity Policy Index	-3.24	10.73	2.89	-17.76			-13.41	
Value Added	-0.27	-0.19	0.77	-0.70			-0.63	
US Equity Composite	-5.43	7.53	2.97	-18.24	7.07	8.55	11.05	4/1/1984
Russell 3000 Index	-5.86	7.18	2.40	-19.21	7.07	8.79	10.94	
Value Added	0.43	0.35	0.57	0.97	0.00	-0.24	0.11	
S&P 500 Index	-5.72	7.55	2.28	-17.96	8.01	9.70	7.92	7/1/2001
S&P 500 Index	-5.76	7.56	2.31	-18.11	7.66	9.42	7.54	
Value Added	0.04	-0.01	-0.03	0.15	0.35	0.28	0.38	
Scientific Beta	-4.02	11.05	4.99	-12.90	6.22	7.73	9.67	7/1/2016
S&P 500 Index	-5.76	7.56	2.31	-18.11	7.66	9.42	11.77	
Value Added	1.74	3.49	2.68	5.21	-1.44	-1.69	-2.10	
River Road FAV	-3.45	11.84	4.71	-16.64	-1.16	5.08	8.44	7/1/2016
Russell 3000 Value Index	-4.18	12.18	5.95	-7.98	5.88	6.50	8.77	
Value Added	0.73	-0.34	-1.24	-8.66	-7.04	-1.42	-0.33	
Westfield Capital	-6.93	0.98	-1.85	-27.94	6.31	10.72	11.91	7/1/2011
Russell 3000 Growth Index	-7.58	2.31	-1.13	-28.97	7.32	10.45	12.79	
Value Added	0.65	-1.33	-0.72	1.03	-1.01	0.27	-0.88	
Internal US Mid Cap	-5.38	11.04	8.46	-12.76	7.74	7.34	9.10	8/1/2014
S&P MidCap 400 Index	-5.54	10.78	8.05	-13.06	7.23	6.71	8.75	
Value Added	0.16	0.26	0.41	0.30	0.51	0.63	0.35	
NTGI Structured	-5.75	9.25	5.74	-15.78	5.83	6.48	9.56	10/1/1999
Russell 2000 Index	-6.49	6.23	3.91	-20.44	3.10	4.13	7.70	
Value Added	0.74	3.02	1.83	4.66	2.73	2.35	1.86	

Asset Allocation & Performance

Pension Plan Accounts

Periods Ended December 31, 2022

	Performance (%) net of fees							Inception Date
	1 Month	QTD	FYTD	1 Year	3 Years	5 Years	Since Inception	
Next Century Growth	-3.09	-4.52	4.52	-29.39	22.73		24.40	11/1/2019
Russell Microcap Growth Index	-4.21	2.69	4.90	-29.76	-0.24		4.25	
Value Added	1.12	-7.21	-0.38	0.37	22.97		20.15	
Non-US Equity Composite	-0.70	15.11	4.62	-18.57	0.30	1.64	3.17	7/1/2000
MSCI ACWI ex US IMI (10/17)	-0.62	14.15	3.09	-16.58	0.20	0.85	3.18	
Value Added	-0.08	0.96	1.53	-1.99	0.10	0.79	-0.01	
BlackRock World Ex US	-0.48	16.34	5.75	-13.79	1.71	1.81	5.84	7/1/2009
MSCI World ex US (11/19)	-0.48	16.18	5.50	-14.29	1.27	1.45	5.57	
Value Added	0.00	0.16	0.25	0.50	0.44	0.36	0.27	
American Century	-1.05	13.87	5.03	-26.25	2.30	4.62	4.92	7/1/2014
MSCI ACWI ex US IMI (10/17)	-0.62	14.15	3.09	-16.58	0.20	0.85	2.28	
Value Added	-0.43	-0.28	1.94	-9.67	2.10	3.77	2.64	
Franklin Templeton	-3.40	12.10	3.80	-30.93	-4.75	-0.06	3.21	7/1/2014
MSCI ACWI ex US IMI (10/17)	-0.62	14.15	3.09	-16.58	0.20	0.85	2.28	
Value Added	-2.78	-2.05	0.71	-14.35	-4.95	-0.91	0.93	
Lazard Asset Mgmt	-0.78	13.96	2.86	-15.73	-0.32	1.29	2.89	7/1/2014
MSCI ACWI ex US IMI (10/17)	-0.62	14.15	3.09	-16.58	0.20	0.85	2.28	
Value Added	-0.16	-0.19	-0.23	0.85	-0.52	0.44	0.61	
LSV Asset Mgmt	1.36	19.70	6.57	-9.81	0.22	1.00	2.41	7/1/2014
MSCI ACWI ex US IMI (10/17)	-0.62	14.15	3.09	-16.58	0.20	0.85	2.28	
Value Added	1.98	5.55	3.48	6.77	0.02	0.15	0.13	
Axiom	-0.60	9.28	0.88	-33.07			-28.08	12/1/2021
MSCI AC World ex USA Small Cap (Net)	0.17	13.31	3.83	-19.97			-15.42	
Value Added	-0.77	-4.03	-2.95	-13.10			-12.66	

Asset Allocation & Performance

Pension Plan Accounts

Periods Ended December 31, 2022

	Performance (%) net of fees							
	1 Month	QTD	FYTD	1 Year	3 Years	5 Years	Since Inception	Inception Date
JP Morgan Emerging Markets	-1.47	12.16	0.26	-27.56	-1.99		-0.13	11/1/2019
MSCI Emerging Markets IMI Index	-1.30	9.60	-2.04	-19.46	-1.45		0.82	
Value Added	-0.17	2.56	2.30	-8.10	-0.54		-0.95	
Pzena Emerging Markets	-0.29	13.19	4.43	-7.10	2.38		4.32	11/1/2019
MSCI Emerging Markets (Net)	-1.41	9.70	-2.99	-20.09	-2.69		-0.36	
Value Added	1.12	3.49	7.42	12.99	5.07		4.68	
Private Equity Composite	-1.97	-4.17	-5.99	-0.21	15.57	14.23	11.88	7/1/2002
Russell 3000 +3% 1 Quarter Lag	-9.05	-3.76	-19.24	-15.16	10.93	11.87	11.16	
Value Added	7.08	-0.41	13.25	14.95	4.64	2.36	0.72	
Core Fixed Composite	0.38	1.44	-0.56	-5.87	0.11		2.04	10/1/2018
Blmbg. U.S. Aggregate Index	-0.45	1.87	-2.97	-13.01	-2.71		0.41	
Value Added	0.83	-0.43	2.41	7.14	2.82		1.63	
Loomis Sayles Intrmd	0.08	1.82	-2.13	-9.58	-1.39		0.42	2/1/2019
Blmbg. U.S. Intermediate Aggregate Index	-0.26	1.72	-2.19	-9.51	-1.93		-0.06	
Value Added	0.34	0.10	0.06	-0.07	0.54		0.48	
Lord Abbett	0.51	1.28	0.08	-4.16	-0.10		1.42	10/1/2018
ICE BofA 1-3 Year U.S. Corporate Index	0.30	1.39	0.08	-4.07	-0.03		1.42	
Value Added	0.21	-0.11	0.00	-0.09	-0.07		0.00	
NISA	-0.11	2.01	-2.82	-12.64	-2.21	0.35	2.82	2/1/2009
Blmbg. U.S. Aggregate Index	-0.45	1.87	-2.97	-13.01	-2.71	0.02	2.56	
Value Added	0.34	0.14	0.15	0.37	0.50	0.33	0.26	

Asset Allocation & Performance

Pension Plan Accounts

Periods Ended December 31, 2022

	Performance (%) net of fees							
	1 Month	QTD	FYTD	1 Year	3 Years	5 Years	Since Inception	Inception Date
High Yield / Specialty Credit Composite	0.53	1.98	2.31	0.01	4.53		5.16	10/1/2018
Policy Index	-0.09	3.46	3.86	-5.94	1.34		2.57	
Value Added	0.62	-1.48	-1.55	5.95	3.19		2.59	
Adams St SPC II A	2.67	2.67	3.24	17.87			15.12	6/1/2020
Adams St SPC II B	1.80	1.80	4.13	1.03			9.66	6/1/2020
Arrowmark	1.07	3.69	5.45	8.73	8.81		9.20	6/1/2018
Morningstar LSTA US Leveraged Loan	0.44	2.74	4.14	-0.60	2.55		3.16	
Value Added	0.63	0.95	1.31	9.33	6.26		6.04	
Blue Torch	3.38	3.38	6.35	12.71			9.51	8/1/2020
BSP Coinvestment	0.56	0.56	2.26	5.61	6.65		6.12	10/1/2019
Morningstar LSTA US Leveraged Loan	0.44	2.74	4.14	-0.60	2.55		2.89	
Value Added	0.12	-2.18	-1.88	6.21	4.10		3.23	
BSP Private Credit	1.80	1.80	0.77	4.32	7.21		5.65	2/1/2018
Morningstar LSTA US Leveraged Loan	0.44	2.74	4.14	-0.60	2.55		3.16	
Value Added	1.36	-0.94	-3.37	4.92	4.66		2.49	
Capital Springs	1.41	1.41	0.86	5.93			8.26	2/1/2020
Morningstar LSTA US Leveraged Loan	0.44	2.74	4.14	-0.60			2.43	
Value Added	0.97	-1.33	-3.28	6.53			5.83	
Cerberus Capital Mgmt	0.87	2.44	4.34	10.42	11.88	10.88	9.70	9/1/2014
Morningstar LSTA US Leveraged Loan	0.44	2.74	4.14	-0.60	2.55	3.31	3.44	
Value Added	0.43	-0.30	0.20	11.02	9.33	7.57	6.26	
Columbia	-0.77	4.22	4.12	-9.83	0.01	2.68	5.25	11/1/2011
Blmbg. U.S. Corp: High Yield Index	-0.62	4.17	3.50	-11.19	0.05	2.31	5.01	
Value Added	-0.15	0.05	0.62	1.36	-0.04	0.37	0.24	

Asset Allocation & Performance

Pension Plan Accounts

Periods Ended December 31, 2022

	Performance (%) net of fees							
	1 Month	QTD	FYTD	1 Year	3 Years	5 Years	Since Inception	Inception Date
Manulife Asset Mgmt	0.10	4.04	2.39	-8.45	1.26	2.35	3.46	12/1/2011
Policy Index	-0.34	2.24	-2.31	-12.99	-2.54	0.18	0.83	
Value Added	0.44	1.80	4.70	4.54	3.80	2.17	2.63	
Marathon Bluegrass	-0.40	-1.99	-4.98	-5.33	4.70	4.55	5.65	1/1/2016
Blmbg. U.S. Corp: High Yield Index	-0.62	4.17	3.50	-11.19	0.05	2.31	5.05	
Value Added	0.22	-6.16	-8.48	5.86	4.65	2.24	0.60	
Shenkman Capital	0.22	3.09	3.99	-0.99	2.09	3.23	4.11	10/1/2010
Morningstar LSTA US Leveraged Loan	0.44	2.74	4.14	-0.60	2.55	3.31	4.16	
Value Added	-0.22	0.35	-0.15	-0.39	-0.46	-0.08	-0.05	
Waterfall	-0.63	-0.95	2.97	0.84	2.60	4.80	9.29	2/1/2010
Policy Index	-0.10	2.42	2.86	-6.65	0.59	2.11	4.15	
Value Added	-0.53	-3.37	0.11	7.49	2.01	2.69	5.14	
White Oak Yield Spectrum	1.28	1.28	2.47	5.78	5.81		5.33	3/1/2018
Morningstar LSTA US Leveraged Loan	0.44	2.74	4.14	-0.60	2.55		3.18	
Value Added	0.84	-1.46	-1.67	6.38	3.26		2.15	
H/2 Credit Partner	0.00	0.00	0.00	5.07	2.04	1.36	4.22	7/1/2011
Mesa West Core Lend	1.88	1.88	2.96	5.88	5.56	6.55	6.56	5/1/2013
Mesa West IV	0.71	0.71	-1.66	1.83	6.16	6.74	5.83	3/1/2017
Cash Composite	0.30	0.86	1.42	1.62	0.78	1.41	3.30	1/1/1988
FTSE 3 Month T-Bill	0.34	0.87	1.33	1.50	0.71	1.25	2.89	
Value Added	-0.04	-0.01	0.09	0.12	0.07	0.16	0.41	

Asset Allocation & Performance

Pension Plan Accounts

Periods Ended December 31, 2022

	Performance (%) net of fees							
	1 Month	QTD	FYTD	1 Year	3 Years	5 Years	Since Inception	Inception Date
Real Estate Composite	-0.08	1.19	3.94	18.81	14.63	12.51	6.84	7/1/1984
NCREIF ODCE NOF 1 Quarter Lag	0.31	0.31	4.87	20.96	11.38	9.26		
Value Added	-0.39	0.88	-0.93	-2.15	3.25	3.25		
Baring	3.07	8.33	-1.53	10.19	14.96		18.87	1/1/2019
Barings Euro RE II	-0.81	4.37	-1.14	-0.50			-15.14	12/1/2020
Divcowest IV	-0.83	-0.83	-0.20	20.04	13.14	16.10	18.58	3/1/2014
Fundamental Partners III	-1.07	-1.07	-0.18	14.35	18.28	15.40	14.17	5/1/2017
Greenfield Acq VI	-2.70	-2.70	-14.94	-25.21	-43.18	-38.48	-17.05	12/1/2012
Greenfield Acq VII	8.31	8.31	13.16	33.56	22.84	19.62	16.18	7/1/2014
Harrison Street	0.00	2.14	8.46	14.23	8.61	8.06	8.47	5/1/2012
Lubert Adler VII	0.53	0.53	0.18	10.14	-2.57	1.91	-0.55	7/1/2014
Lubert Adler VII B	2.07	2.07	5.19	20.20	25.18	18.12	15.46	7/1/2017
Patron Capital	-5.62	-0.80	-4.40	1.55	5.19	10.10	4.23	8/1/2016
Prologis Targeted US	0.00	0.06	5.86	34.64	26.37	22.33	19.34	10/1/2014
Rubenstein PF II	-5.18	-5.18	-11.02	-7.59	-5.01	0.52	6.58	7/1/2013
Stockbridge Sm/Mkts	0.00	0.64	0.64	21.11	13.36	11.22	10.49	5/1/2014
Walton St RE VI	2.71	2.71	6.05	17.70	4.92	4.21	-11.58	5/1/2009
Walton St RE VII	-2.16	-2.16	3.95	4.50	-1.16	-0.66	5.89	7/1/2013

Asset Allocation & Performance

Pension Plan Accounts

Periods Ended December 31, 2022

	Performance (%) net of fees							
	1 Month	QTD	FYTD	1 Year	3 Years	5 Years	Since Inception	Inception Date
Real Return Composite	-1.33	4.90	7.72	6.76	6.59	5.39	4.63	7/1/2011
US CPI + 3%	0.17	1.20	2.45	9.61	8.05	6.88	5.56	
Value Added	-1.50	3.70	5.27	-2.85	-1.46	-1.49	-0.93	
Putnam	0.21	0.24	-0.48	-6.11			8.86	7/1/2020
Policy Index	-3.11	6.24	1.14	-15.86			3.93	
Value Added	3.32	-6.00	-1.62	9.75			4.93	
Tortoise Capital	-4.81	10.57	19.52	32.84	10.06	4.62	9.28	8/1/2009
Alerian MLP Index	-4.70	10.11	18.97	30.92	9.38	4.08	6.52	
Value Added	-0.11	0.46	0.55	1.92	0.68	0.54	2.76	
Amerra AGRI Fund II	3.67	3.67	8.94	21.47	10.42	8.07	6.63	12/1/2012
Amerra AGRI Holdings	-2.33	-2.33	-3.68	-2.63	-2.57	-2.14	-1.67	8/1/2015
BTG Pactual	7.28	7.28	6.66	17.91	6.79	3.05	-2.00	12/1/2014
IFM Infrastructure	1.56	1.56	2.29	4.48	4.17		4.40	7/1/2019
Magnetar MTP EOF II	3.08	3.08	7.97	204.11	71.24	42.04	26.95	8/1/2015
Oberland Capital	1.74	1.74	4.30	8.40	14.07		13.38	8/1/2018
Taurus Mine Finance	8.31	8.31	27.09	82.96	18.14	16.49	15.61	4/1/2015
TPF II	-1.27	-1.27	-2.73	32.93	5.40	5.72	-0.52	10/1/2008
Blackstone Strat Opp	-0.13	-3.00	-2.61	0.84	-4.46	-3.01	-2.47	8/1/2017
Luxor Capital	-0.45	3.45	3.33	3.77	-2.16	0.13	-0.02	4/1/2014
Myriad Opportunities	0.00	-6.78	-7.05	-47.05	-23.31	-16.31	-10.00	5/1/2016
Pine River	-1.26	-1.18	3.88	-9.92	-0.90	4.39	2.61	5/1/2014
PRISMA Capital	0.20	0.20	-0.58	-0.81	-0.10	0.69	2.36	9/1/2011

Asset Allocation & Performance

Pension Plan Accounts

Periods Ended December 31, 2022

	Performance (%) net of fees							
	1 Month	QTD	FYTD	1 Year	3 Years	5 Years	Since Inception	Inception Date
SRS Partners US	0.00	0.00	0.00	0.00	5.94	6.28	8.32	8/1/2017
Tricadia Select	0.00	0.00	0.00	0.00	0.00	-4.16	-4.68	9/1/2017

Kentucky Public Pensions Authority

Investment Budget Update

Quarter Ending: December 31, 2022

KPPA Board Meeting - Investment Department Update

KENTUCKY PUBLIC PENSIONS AUTHORITY									
Investment Budget									
For the six month period ending December 31, 2022									
Account Name	FY 2019	FY 2020	FY 2021	FY 2022	Trust Budget FY 2023	Q2 2023	FYTD 2023	Remaining	Percentage Spent
CONSULTING SERVICES									
Wilshire Associates	\$ 1,021,799	\$ 1,238,170	\$ 1,225,671	\$ 1,021,175	\$ 1,190,000		\$ 288,972	\$ 901,028	24%
Albourne	-	-	-	-	270,000	67,500	171,750	98,250	64%
MercerInsight	-	-	-	-	160,000			160,000	0%
SUBTOTAL	1,021,799	1,238,170	1,225,671	1,021,175	1,620,000	67,500	460,722	1,159,278	28%
LEGAL & AUDITING SERVICES									
Faegre Drinker			96,039	202,502	375,000	5,177	8,721	366,279	2%
Intelligent Management Solutions (IMS)	620,001	202,140	155,700	69,884	75,000		73,859	1,141	98%
McClain/Goldberg			891	-	25,000			25,000	0%
Reinhart	317,909	671,269	663,689	619,509	437,500	33,445	57,068	380,432	13%
Stoll-Keenon-Ogden	10,314	135,353	254,211	463,560	250,000	261,025	350,408	(100,408)	140%
Haystack			-	-	140,000			140,000	0%
Umberg Zipser			289,100	498,058	360,000	102,732	147,684	212,316	41%
Frost Brown Todd			-	-	50,000			50,000	0%
Swansburg & Smith	-	-	-	-	-	4,275	4,275	(4,275)	
Eddins Domine	-	-	-	-	-	13,823	13,823	(13,823)	
Taft	-	-	-	-	-	66,916	66,916	(66,916)	
Miscellaneous					200,000			200,000	0%
SUBTOTAL	948,225	1,008,762	1,459,630	1,853,513	1,912,500	487,392	722,754	1,189,746	38%
CONTRACTURAL SERVICES									
Bloomberg	68,722	71,810	98,163	102,243	150,000	25,712	51,425	98,575	34%
BNYM Custodial Fees	2,056,390	2,088,475	2,379,838	2,565,169	4,000,000	561,561	1,130,187	2,869,813	28%
eVestment (Solovis RMS)			-	30,000	35,000		33,800	1,200	97%
Solovis (Reporting & Analytics)			-	245,000	265,000		257,250	7,750	97%
FactSet	222,476	162,295	109,662	140,098	150,000	31,657	62,097	87,903	41%
Russell Index Subscription	1,075	1,250	1,000	1,000	1,500	250	500	1,000	33%
S&P Global		94,500	26,250	68,250	75,000			75,000	0%
TradeWeb			-	6,000	7,500	2,401	3,601	3,899	48%
State Street/Elkins McSherry	10,000	5,000	15,000	10,000	10,000		5,000	5,000	50%
ISS	32,050	32,050	28,288	35,813	37,000	11,775	16,025	20,975	43%
MSCI	1,000	1,000	1,000	1,000	1,000		1,000	-	100%
KPMG Tax Guarantor Services		7,606	22,050	7,350	7,500			7,500	0%
Jayant Ghevaria and CO		10,050	-	52,085	55,000			55,000	0%
India Renewal Fee (SEBI)			-	3,000	3,000			3,000	0%
Miscellaneous & New Services	-	-	-	-	250,000		9,520	240,480	4%
SUBTOTAL	2,391,713	2,474,036	2,681,251	3,267,008	5,047,500	633,356	1,570,405	3,477,095	31%

KPPA Board Meeting - Investment Department Update

KENTUCKY PUBLIC PENSIONS AUTHORITY									
Investment Budget									
For the six month period ending December 31, 2022									
Account Name	FY 2019	FY 2020	FY 2021	FY 2022	Trust Budget FY 2023	Q2 2023	FYTD 2023	Remaining	Percentage Spent
INACTIVE CONTRACTURAL SERVICES									
Dean Dorton	9,719		-	-	-		250	(250)	
Hirschler		4,794	-	-	-				
INFORMA	12,904		-	-	-				
Lighthouse Solutions	3,093		-	-	-				
London Stock Exchange GBP (GREAT BRITISH POUNDS)	6,467	3,544	-	-	-				
Deutsche Bank Trust	3,000		3,000	-	-				
Morris James LLP	94,192	20,154	-	-	-				
Calcaterra Pollack			1,200,000	-	-				
Manatt		90,798	30,757	-	-				
ORG	162,344		-	-	-				
SUBTOTAL	291,718	119,290	1,233,757	-	-	-	250	(250)	
TOTAL	\$ 4,653,455	\$ 4,840,258	\$ 6,600,309	\$ 6,141,696	\$ 8,580,000	\$ 1,188,248	\$ 2,754,131	\$ 5,825,869	32%

KPPA Board Meeting - Investment Department Update

INVESTMENT BUDGET

CONSULTING SERVICES	
Wilshire Associates	General Investment Consulting Services, Manager Research and Due Dilligence, Reporting, Asset Allocation
Albourne	Investment Consultant Research database - Private Markets Manager Research, Private Markets Research, Pension Markets Research
MercerInsight	Investment Consultant Research database - Public Markets Manager Research, Public Markets Research, Pension Markets Research
LEGAL & AUDITING SERVICES	
Faegre Drinker	Delaware litigation counsel
Intelligent Management Solutions (IMS)	IMS is an expert witness in the Bay Hills case.
McClain/Goldberg	Blackstone litigation counsel for the Trustees and Officers
Reinhart	Bay Hills counsel and investment counsel for contract negotiations
Stoll-Keenon-Ogden	Mayberry counsel
Haystack	Conduct Mayberry eDiscovery
Umberg Zipser	PAAMCO-Prisma (California litigation)
Frost Brown Todd	Currently has no investment-related cases
Swansburg & Smith	Reimbursement of Fiduciary Legal Expenses (KKR)
Eddins Domine	Reimbursement of Fiduciary Legal Expenses (KKR)
Taft	Reimbursement of Fiduciary Legal Expenses (Calcaterra Pollack)
CONTRACTURAL SERVICES	
Bloomberg	Bloomberg Professional Services, Data Analytics and Tools, Market Information and News, Research Portal
BNYM Custodial Fees	Full Service Custodial Services, Investment Accounting, Investment Operations, Transaction Services, Performance and Attribution, Reporting
eVestment (Solovis RMS)	Research Management Program organizing internal and external research
Solovis (Reporting & Analytics)	Portfolio and Risk Analytics, Performance Measurement and Attribution, Reporting
FactSet	Workstation and Quant/Risk Applications for managing Public Equity Portfolios
Russell Index Subscription	Access to Russell Indexes for Portfolio Management, Reporting and Performance
S&P Global	Data on the S & P US Index / License to 10,000 Identifiers for Portfolio Management, Reporting and Performance
TradeWeb	Electronic Trading Platform for Internal Management
State Street/Elkins McSherry	Public Equity Trade Cost Analysis
ISS	Portfolio Monitoring and Proxy Voting Services
MSCI	International Public Equity Data Package
KPMG Tax Guarantor Services	Tax Accounting Services - Taiwan
Jayant Ghevaria and CO	Tax Accounting Services - India
India Renewal Fee (SEBI)	Registration of India Local Market Accounts

KENTUCKY PUBLIC PENSIONS AUTHORITY Investment Fees and Expenses For the six month period ending December 31, 2022 Pension						
	2023		2022		2021	
	FYTD Fees	Market Value	FYTD Fees	Market Value	FYTD Fees	Market Value
Absolute Return					262,462	142,519,762
<i>Investment Advisory Fees</i>					262,462	
<i>Carried Interest</i>						
<i>Miscellaneous Fees and Expenses</i>						
	<i>Absolute Return was absorbed by Real Return in December 2020</i>					
Core Fixed Income	1,412,142	1,982,992,065	1,591,391	2,344,396,966	1,401,242	2,282,848,163
<i>Investment Advisory Fees</i>	1,073,446		1,558,075		1,375,451	
<i>Carried Interest</i>	313,985				-	
<i>Miscellaneous Fees and Expenses</i>	24,711		33,316		25,791	
Opportunistic					1,132,942	370,905,924
<i>Investment Advisory Fees</i>					-	
<i>Carried Interest</i>					1,132,942	
<i>Miscellaneous Fees and Expenses</i>					-	
	<i>Opportunistic was absorbed by Specialty Credit in December 2021</i>					
Public Equity	6,326,122	6,860,008,005	7,390,244	7,258,279,054	5,850,569	6,295,655,905
<i>Investment Advisory Fees</i>	6,216,244		7,204,226		5,712,166	
<i>Miscellaneous Fees and Expenses</i>	109,877		186,018		138,403	
Specialty Credit Fixed Income	26,763,395	3,169,416,226	25,775,685	3,159,992,882	17,264,718	2,435,764,675
<i>Investment Advisory Fees</i>	8,272,318		8,375,883		7,320,545	
<i>Carried Interest</i>	7,246,973		12,762,781		8,459,198	
<i>Miscellaneous Fees and Expenses</i>	11,244,103		4,637,021		1,484,975	
Real Estate	5,120,746	980,167,711	16,451,186	780,082,609	980,198	584,165,093
<i>Investment Advisory Fees</i>	4,590,896		2,401,864		2,324,269	
<i>Carried Interest</i>	(380,882)		12,653,860		(2,070,445)	
<i>Miscellaneous Fees and Expenses</i>	910,732		1,395,462		726,374	
Real Return	2,108,571	451,152,401	2,632,576	1,021,821,360	3,216,441	847,105,839
<i>Investment Advisory Fees</i>	1,176,185		2,001,915		1,985,069	
<i>Carried Interest</i>	493,101		679,897		1,259,862	
<i>Miscellaneous Fees and Expenses</i>	439,285		(49,236)		(28,490)	
Private Equity	(1,217,614)	1,143,362,622	39,968,415	1,262,539,645	24,365,092	1,139,236,934
<i>Investment Advisory Fees</i>	3,652,032		3,928,841		4,294,168	
<i>Carried Interest</i>	(6,838,180)		33,350,556		17,523,541	
<i>Miscellaneous Fees and Expenses</i>	1,968,535		2,689,018		2,547,383	
Administrative Expense/Cash	1,574,490	813,973,145	1,878,932	612,903,688	1,435,169	266,674,138
Total Investment Mgmt Fees	42,087,852	15,401,072,174	95,688,429	16,440,016,204	54,513,429	13,851,450,747

KENTUCKY PUBLIC PENSIONS AUTHORITY				
Investment Fees and Expenses				
For the six month period ending December 31, 2022				
Pension				
	CERS		CERS Hazardous	
	FYTD Fees	Market Value	FYTD Fees	Market Value
Core Fixed Income	611,646	813,833,731	213,237	302,695,385
<i>Investment Advisory Fees</i>	462,606		162,600	
<i>Carried Interest</i>	138,167		46,943	
<i>Miscellaneous Fees and Expenses</i>	10,874		3,694	
Public Equity	3,645,309	3,964,124,359	1,240,146	1,356,593,495
<i>Investment Advisory Fees</i>	3,582,346		1,218,593	
<i>Miscellaneous Fees and Expenses</i>	62,962		21,554	
Specialty Credit Fixed Income	15,019,998	1,712,051,881	5,051,147	588,670,419
<i>Investment Advisory Fees</i>	4,628,019		1,566,854	
<i>Carried Interest</i>	4,139,203		1,376,445	
<i>Miscellaneous Fees and Expenses</i>	6,252,777		2,107,848	
Real Estate	2,948,350	384,490,091	929,195	123,232,579
<i>Investment Advisory Fees</i>	2,628,218		828,480	
<i>Carried Interest</i>	(197,288)		(62,782)	
<i>Miscellaneous Fees and Expenses</i>	517,420		163,497	
Real Return	1,391,048	425,559,707	447,058	137,955,801
<i>Investment Advisory Fees</i>	758,775		245,752	
<i>Carried Interest</i>	340,970		107,464	
<i>Miscellaneous Fees and Expenses</i>	291,303		93,842	
Private Equity	31,729	676,459,973	(247,517)	225,693,389
<i>Investment Advisory Fees</i>	2,368,707		790,456	
<i>Carried Interest</i>	(3,559,834)		(1,438,538)	
<i>Miscellaneous Fees and Expenses</i>	1,222,856		400,566	
Administrative Expenses/Cash	826,505	84,362,977	282,902	35,025,608
Total Investment Mgmt Fees	24,474,585	8,060,882,719	7,916,169	2,769,866,675

KENTUCKY PUBLIC PENSIONS AUTHORITY Investment Fees and Expenses For the six month period ending December 31, 2022 Insurance						
	2023		2022		2021	
	FYTD Fees	Market Value	FYTD Fees	Market Value	FYTD Fees	Market Value
Absolute Return					115,024	58,349,008
<i>Investment Advisory Fees</i>					105,411	
<i>Carried Interest</i>					-	
<i>Miscellaneous Fees and Expenses</i>					9,613	
Core Fixed Income	526,658	755,273,150	587,743	855,261,654	568,510	873,074,122
<i>Investment Advisory Fees</i>	406,870		457,920		558,897	
<i>Carried Interest</i>	112,040		117,337		-	
<i>Miscellaneous Fees and Expenses</i>	7,748		12,486		9,613	
Opportunistic					576,902	188,867,580
<i>Investment Advisory Fees</i>					-	
<i>Carried Interest</i>					576,902	
<i>Miscellaneous Fees and Expenses</i>					-	
Public Equity	2,916,264	3,159,950,145	3,221,274	3,246,444,061	2,616,659	2,840,620,347
<i>Investment Advisory Fees</i>	2,866,269		3,161,508		2,557,467	
<i>Miscellaneous Fees and Expenses</i>	49,995		59,766		59,192	
Specialty Credit Fixed Income	12,006,819	1,440,474,508	11,449,880	1,449,432,096	7,239,534	1,085,313,532
<i>Investment Advisory Fees</i>	3,715,203		3,748,168		3,373,550	
<i>Carried Interest</i>	3,460,460		5,702,991		3,344,830	
<i>Miscellaneous Fees and Expenses</i>	4,831,156		1,998,721		521,154	
Real Estate	2,141,670	414,400,346	6,801,703	330,413,444	536,259	246,753,396
<i>Investment Advisory Fees</i>	1,913,144		1,021,218		1,015,005	
<i>Carried Interest</i>	(161,966)		5,182,012		(795,199)	
<i>Miscellaneous Fees and Expenses</i>	390,492		598,473		316,453	
Real Return	938,266	175,390,319	1,140,159	432,244,515	1,245,054	361,358,291
<i>Investment Advisory Fees</i>	530,992		889,226		842,984	
<i>Carried Interest</i>	201,933		266,344		419,601	
<i>Miscellaneous Fees and Expenses</i>	205,341		(15,411)		(17,531)	
Private Equity	275,237	573,107,746	22,563,618	595,876,977	16,438,474	548,052,248
<i>Investment Advisory Fees</i>	2,427,153		2,772,848		2,892,530	
<i>Carried Interest</i>	(3,062,207)		18,845,205		12,027,941	
<i>Miscellaneous Fees and Expenses</i>	910,292		945,565		1,518,003	
Administrative Expense/Cash	821,924	223,048,022	963,210	401,003,570	842,635	108,497,980
Total Investment Mgmt Fees	\$ 19,626,840	\$ 6,741,644,236	\$ 46,727,587	\$ 7,310,676,317	\$ 29,487,125	\$ 6,063,669,916

KENTUCKY PUBLIC PENSIONS AUTHORITY				
Investment Fees and Expenses				
For the six month period ending December 31, 2022				
Insurance				
	CERS		CERS Hazardous	
	FYTD Fees	Market Value	FYTD Fees	Market Value
Core Fixed Income	235,550	345,447,046	114,745	151,178,612
<i>Investment Advisory Fees</i>	182,361		87,969	
<i>Carried Interest</i>	49,748		25,044	
<i>Miscellaneous Fees and Expenses</i>	3,440		1,732	
Public Equity	1,339,836	1,503,204,987	667,730	733,129,998
<i>Investment Advisory Fees</i>	1,316,533		656,280	
<i>Miscellaneous Fees and Expenses</i>	23,303		11,450	
Specialty Credit Fixed Income	5,431,338	655,271,249	2,862,712	326,611,917
<i>Investment Advisory Fees</i>	1,678,837		860,966	
<i>Carried Interest</i>	1,563,901		845,862	
<i>Miscellaneous Fees and Expenses</i>	2,188,600		1,155,884	
Real Estate	983,401	190,045,239	538,728	104,187,750
<i>Investment Advisory Fees</i>	878,309		481,232	
<i>Carried Interest</i>	(74,258)		(40,887)	
<i>Miscellaneous Fees and Expenses</i>	179,349		98,383	
Real Return	422,107	79,204,378	229,855	42,397,798
<i>Investment Advisory Fees</i>	239,847		130,130	
<i>Carried Interest</i>	88,366		48,694	
<i>Miscellaneous Fees and Expenses</i>	93,895		51,031	
Private Equity	(408,633)	263,422,196	(324,214)	148,193,392
<i>Investment Advisory Fees</i>	1,182,517		659,924	
<i>Carried Interest</i>	(1,939,939)		(1,174,565)	
<i>Miscellaneous Fees and Expenses</i>	348,789		190,427	
Administrative Expenses/Cash	374,628	34,724,087	186,169	17,131,869
Total Investment Mgmt Fees	\$ 8,378,225	\$ 3,071,319,181	\$ 4,275,725	\$ 1,522,831,336



County Employees Retirement System (CERS) Pension and Insurance Trusts
Investment Policy Statement and Compliance Review
For the Quarter Ended December 31, 2022

Compliance Guidelines	Compliance Status
Investment Managers shall be qualified and agree to serve as a fiduciary to CERS and should be of institutional quality as deemed by KPPA Investment Staff in collaboration with the investment consultant(s).	●
Notwithstanding the CIO responsibilities when selecting a new investment, when the KPPA Investment Staff seeks a new external Investment Manager, the Investment Committee shall interview the top three candidates identified and considered by KPPA Investment Staff and the Investment Committee will participate in the selection of the Manager.	●
Total assets assigned to the selected manager shall not exceed 25% of that firm's total assets under management and shall not exceed 25% of a firm's total assets under management in a commingled product. Separate accounts or funds of one are not included in this 25% limitation for commingled products.	●
The assets managed by any one active or passive investment manager shall not exceed 15% of the overall assets in the pension and insurance funds.	●
All investment management services will be contracted according to the CERS Investment Procurement Policy established by the CERS Board.	●
Securities issued by the state of Kentucky, its subsidiaries or affiliates are prohibited.	●
The amount of stock in the domestic or international equity allocation in any single corporation shall not exceed 5% of the aggregate market value of the System's assets.	●
The amount of stock held in domestic or international equity allocation shall not exceed 3% of the outstanding shares of any single corporation.	●
The amount of stock in any one industry in the domestic equity allocation shall not exceed 10% of the aggregate market value of the System's assets.	●
Investment in "frontier" markets shall not exceed 5% of the System's international equity assets.	●
The duration of the total fixed income portfolio shall not deviate from the Barclays Aggregate Index by more than 25%.	●
The duration of the TIPS portfolio shall not deviate from the Barclay's TIPS Index by more than 10%.	●
The amount invested in the debt of a single corporation shall not exceed 5% of the total market value of the System's Assets.	●
50% of the fixed income assets must have liquidity that is T+3 (trade date plus three days) or better.	●
KPPA shall hire custodians and other agents who will be fiduciaries to CERS and who will assume responsibility for the safekeeping and accounting of all assets held on behalf of CERS and other duties as agreed to by contract.	●
Investment Managers shall be qualified and agree to serve as a fiduciary to CERS and should be of institutional quality as deemed by KPPA Investment Staff in collaboration with the investment consultant(s).	●



County Employees Retirement System (CERS) Pension and Insurance Trusts
Investment Policy Statement and Compliance Review
For the Quarter Ended December 31, 2022

No public fixed income manager shall invest more than 5% of the total market value of assets held in any single issue, short-term instruments, with the exception of U.S. Government issued, guaranteed or agency obligations.	
No more than 50% of the total net assets of the Real Return portfolio may be invested in any one registered investment vehicle, mutual fund, or separately managed account	
No more than 20% of the total net assets of the Real Return portfolio may be invested in any single closed-end or open-end limited partnership or other unregistered investment vehicle.	
Alternative investments should earn a Net Internal Rate of Return ("IRR") that place the investment above the median Net IRR of other similar funds, of the same vintage year.	
The private equity portfolio should earn a return that meets or exceeds the Systems Private Equity Index. Individual private equity investments should earn a Net IRR above the median Net IRR of other similar funds, of the same vintage year.	
For periods less than five years or a full market cycle, individual portfolios should exceed the returns of their market goal or benchmark.	
For periods greater than five years or a full market cycle, individual portfolios should exceed the return of their market goal or benchmark, compare favorably on a risk-adjusted basis, and generate returns that rank above the median return of a relevant peer group. Volatility, as measured by the standard deviation of monthly returns, should be comparable to the benchmark.	
For periods greater than five years or a full market cycle, individual portfolios should compare favorably on a risk-adjusted basis and generate returns that rank above the median return of a relevant peer group.	
For periods greater than five years or a full market cycle, volatility, as measured by the standard deviation of monthly returns, should be comparable to the benchmark.	
For periods greater than five years or a full market cycle, returns should rank above the median return of a relevant peer group.	

Legend	
	In Compliance
	To be Determined

Kentucky Public Pensions Authority

Unit Holdings

Quarter Ending: December 31, 2022

KPPA Board Meeting - Investment Department Update

Kentucky Public Pensions Authority						
Pension: KERS, KERS-H, & SPRS Unit Holdings						
Quarter Ended December 31, 2022						
UNIT OF PARTICIPATION	KERS		KERS-H		SPRS	
	Shares/Par	Base Market Value	Shares/Par	Base Market Value	Shares/Par	Base Market Value
Grand Total	20,950,339.028	3,181,076,552.72	4,960,890.426	835,725,513.41	3,868,434.602	556,940,139.93
KRS ABSOLUTE RETURN UNIT	149,641.052	18,137,376.44	39,042.229	4,732,148.00	16,199.058	1,963,421.19
KRS ADAMS STREET A1 UNIT	174,327.349	24,274,060.22	51,841.053	7,218,562.38	21,617.485	3,010,107.91
KRS ADAMS STREET B1 UNIT	178,148.240	22,040,633.15	52,977.307	6,554,391.94	22,091.295	2,733,151.50
KRS AMERRA AGRI UNIT	-	-	28,023.378	2,531,460.63	14,178.361	1,280,786.45
KRS AMERRA UNIT	-	-	7,456.869	1,400,094.42	3,772.782	708,373.85
KRS ARROWMARK UNIT	405,599.625	80,347,474.71	125,747.662	24,910,050.38	50,099.456	9,924,478.54
KRS BLACKROCK UNIT	688,147.351	105,588,319.34	243,181.056	37,313,344.24	98,831.528	15,164,564.57
KRS BLUE TORCH UNIT	157,476.048	23,194,435.78	47,314.490	6,968,887.74	19,521.195	2,875,250.61
KRS BNYM CUSTODY FEE UNIT	-120,213.111	-120,213.11	-31,587.238	-31,587.24	-21,141.370	-21,141.37
KRS BTG UNIT	-	-	17,210.185	1,391,243.97	7,965.109	643,886.74
KRS CASH UNIT	5,255,286.759	514,371,318.47	577,196.855	56,494,254.44	1,267,402.048	124,049,417.73
KRS DIVCOWEST IV UNIT	-	-	151.575	83,648.79	54.514	30,084.31
KRS DOMESTIC EQUITY UNIT	662,460.554	157,004,137.70	233,038.157	55,230,390.20	110,192.981	26,115,900.57
KRS GLOBAL FIXED UNIT	272,116.345	35,020,968.96	133,310.820	17,156,904.30	55,825.490	7,184,657.55
KRS GREENFIELD UNIT	-	-	265.191	3,470.17	95.376	1,248.05
KRS GREENFIELD VII UNIT	-	-	682.060	209,082.93	245.303	75,196.71
KRS HARRISON UNIT	229,149.436	52,536,342.56	56,783.798	13,018,635.85	27,092.529	6,211,415.61
KRS IFM INFRAST DEBT UNIT	76,151.743	10,613,978.92	23,454.145	3,269,023.02	9,091.447	1,267,159.79
KRS INTERNAL EQUITY UNIT	1,544,679.289	432,084,808.60	549,308.650	153,655,146.79	276,759.695	77,416,497.19
KRS INTERNATIONAL EQUITY UNIT	1,992,500.044	310,900,375.99	706,087.036	110,174,514.49	376,308.850	58,717,470.70
KRS L-A VII UNIT	-	-	13,032.050	1,240,495.64	4,685.431	445,997.12
KRS LIQUID CORE FIXED UNIT	5,249,708.742	645,208,460.32	872,769.470	107,266,569.18	927,043.292	113,937,020.98
KRS LIQUID CREDIT FIXED UNIT	10,020.517	0.76	3,470.982	0.26	1,638.453	0.12
KRS LIQUID HY FI UNIT	873,365.873	131,113,280.50	191,184.378	28,701,385.93	141,723.481	21,276,112.44
KRS MAGNETAR MTP UNIT	159.328	81,966.58	28.401	14,610.95	14.098	7,252.74
KRS MESA WEST CORE UNIT	30,939.768	5,710,393.52	18,362.356	3,389,045.41	5,427.457	1,001,717.77
KRS MESA WEST IV UNIT	34,892.283	3,417,232.64	9,544.948	934,800.05	4,034.654	395,140.42
KRS MULTI SECTOR CREDIT FI	787,166.869	127,729,984.65	132,990.502	21,579,763.39	71,068.687	11,531,992.33
KRS OBERLAND UNIT	-	-	5,446.564	389,106.97	-	-
KRS PE 2010 UNIT	491,486.841	149,699,295.84	62,155.282	18,931,538.29	32,350.617	9,853,497.96
KRS PE 2011 UNIT	-	-	15,471.114	4,677,934.74	-	-
KRS PE 2012 A UNIT	-	-	803.733	511,030.81	120.702	76,744.94
KRS PE 2012 B UNIT	-	-	5,071.521	743,202.65	761.621	111,611.24
KRS PE 2013 UNIT	0.008	2.92	24,239.167	8,845,025.23	7,641.327	2,788,368.52
KRS PE 2014 UNIT	-	-	20,674.295	3,397,481.97	6,517.509	1,071,045.92
KRS PE 2015 UNIT	-	-	14,973.763	3,756,931.95	4,720.447	1,184,364.82
KRS PE 2016 UNIT	-	-	29,994.724	7,817,365.31	-	-
KRS PE 2017 UNIT	-	-	15,510.882	2,397,086.50	-	-
KRS PE 2018 UNIT	-	-	18,114.114	3,267,154.35	-	-
KRS PE 2019 UNIT	-	-	17,964.870	4,017,097.78	-	-
KRS PE 2021 UNIT	141,596.042	17,734,533.56	40,709.715	5,098,785.23	16,290.438	2,040,334.71
KRS PERIMETER PARK UNIT	19,205.499	1,879,916.69	15,740.350	1,540,733.03	3,731.088	365,214.91
KRS POST-2015 REAL ESTATE UNIT	220,507.026	34,069,052.39	60,320.726	9,319,748.27	25,497.601	3,939,462.25
KRS PRIVATE CREDIT FI UNIT	399,294.039	74,905,369.19	143,418.483	26,904,519.90	37,067.321	6,953,625.88
KRS PROLOGIS UNIT	246,066.872	63,820,709.54	67,312.722	17,458,447.96	28,453.125	7,379,695.66
KRS REAL RETURN UNIT	231,710.554	39,670,883.12	58,037.817	9,936,584.31	23,175.383	3,967,829.23
KRS RUBENSTEIN PF II UNIT	-	-	4,735.076	912,716.87	1,702.973	328,259.18
KRS SHENKMAN UNIT	152,606.993	23,528,196.27	126,254.954	19,465,368.39	58,716.342	9,052,597.08
KRS STOCKBRIDGE UNIT	123,246.396	29,058,175.24	24,535.920	5,784,908.01	11,887.258	2,802,694.74
KRS TAURUS UNIT	-	-	761.634	215,523.71	240.104	67,943.53
KRS TPF II UNIT	255.889	27,500.86	39.538	4,249.22	18.128	1,948.25
KRS WALTON VI UNIT	22,864.485	3,946,871.24	4,997.614	862,688.97	1,657.353	286,092.55
KRS WALTON VII UNIT	-	-	3,196.765	561,655.78	1,149.716	201,999.41
KRS WATERFALL UNIT	249,774.280	43,480,709.16	77,540.718	13,498,288.96	94,896.864	16,519,647.03

Kentucky Public Pensions Authority				
Pension: CERS & CERS-H Unit Holdings				
Quarter Ended December 31, 2022				
UNIT OF PARTICIPATION	CERS		CERS-H	
	Shares/Par	Base Market Value	Shares/Par	Base Market Value
Grand Total	44,622,663.043	8,065,299,365.07	15,458,172.668	2,771,344,755.97
KRS ABSOLUTE RETURN UNIT	465,662.055	56,440,982.42	147,504.984	17,878,472.42
KRS ADAMS STREET A1 UNIT	533,314.553	74,260,921.48	179,827.556	25,039,931.77
KRS ADAMS STREET B1 UNIT	545,003.682	67,428,262.11	183,768.998	22,736,037.52
KRS AMERRA AGRI UNIT	312,625.631	28,240,688.11	98,706.141	8,916,509.29
KRS AMERRA UNIT	83,187.980	15,619,293.68	26,265.165	4,931,521.67
KRS ARROWMARK UNIT	1,387,072.461	274,772,861.25	458,544.662	90,835,650.14
KRS BLACKROCK UNIT	3,173,089.335	486,874,169.47	1,098,793.478	168,597,258.24
KRS BLUE TORCH UNIT	482,295.226	71,036,616.60	162,844.338	23,985,124.01
KRS BNYM CUSTODY FEE UNIT	-305,969.166	-305,969.17	-104,938.494	-104,938.49
KRS BTG UNIT	199,420.716	16,120,853.40	63,908.686	5,166,276.50
KRS CASH UNIT	863,855.631	84,551,534.53	358,650.163	35,103,575.82
KRS DB PRIVATE EQ UNIT	15,210.721	5,109,335.90	4,379.059	1,470,941.67
KRS DIVCOWEST IV UNIT	1,775.028	979,574.08	553.116	305,244.82
KRS DOMESTIC EQUITY UNIT	2,852,515.155	676,050,339.13	977,325.504	231,627,599.69
KRS GLOBAL FIXED UNIT	1,294,621.245	166,615,829.13	505,407.882	65,045,242.87
KRS GREENFIELD UNIT	3,105.533	40,637.66	967.716	12,663.11
KRS GREENFIELD VII UNIT	7,987.293	2,448,474.67	2,488.922	762,969.69
KRS HARRISON UNIT	639,390.832	146,591,047.16	199,992.765	45,851,687.86
KRS IFM INFRAST DEBT UNIT	258,665.468	36,052,619.62	89,077.141	12,415,512.23
KRS INTERNAL EQUITY UNIT	5,830,830.640	1,631,026,815.09	1,990,723.555	556,854,366.06
KRS INTERNATIONAL EQUITY UNIT	7,499,776.923	1,170,230,069.61	2,560,511.784	399,530,267.90
KRS L-A VII UNIT	152,636.219	14,529,146.49	47,573.514	4,528,430.79
KRS LIQUID CORE FIXED UNIT	6,621,331.449	813,785,922.13	2,462,722.290	302,677,602.71
KRS LIQUID CREDIT FIXED UNIT	44,070.529	3.35	13,249.620	1.01
KRS LIQUID HY FI UNIT	1,172,435.736	176,010,879.61	460,074.218	69,068,235.73
KRS MAGNETAR MTP UNIT	319.749	164,495.45	101.107	52,014.68
KRS MESA WEST CORE UNIT	205,495.934	37,927,325.41	64,772.004	11,954,634.94
KRS MESA WEST IV UNIT	105,087.787	10,291,943.82	33,229.849	3,254,419.46
KRS MULTI SECTOR CREDIT FI	1,492,072.539	242,111,818.99	490,250.072	79,550,647.57
KRS OBERLAND UNIT	66,801.935	4,772,384.68	20,855.226	1,489,914.34
KRS PE 2010 UNIT	587,038.322	178,802,800.20	182,740.222	55,659,847.37
KRS PE 2011 UNIT	179,185.416	54,179,529.83	86,636.967	26,196,050.12
KRS PE 2012 A UNIT	10,384.628	6,602,770.86	2,891.166	1,838,265.81
KRS PE 2012 B UNIT	65,526.534	9,602,542.02	18,243.149	2,673,430.05
KRS PE 2013 UNIT	267,902.143	97,759,185.12	91,440.167	33,367,094.84
KRS PE 2014 UNIT	228,501.567	37,550,492.19	77,991.990	12,816,706.91
KRS PE 2015 UNIT	165,496.630	41,523,268.14	56,487.190	14,172,691.84
KRS PE 2016 UNIT	352,069.220	91,757,927.45	109,652.849	28,578,238.57
KRS PE 2017 UNIT	182,061.739	28,136,229.51	56,703.671	8,763,112.50
KRS PE 2018 UNIT	222,168.858	40,071,512.73	69,360.035	12,510,131.04
KRS PE 2019 UNIT	220,338.393	49,269,539.31	68,788.572	15,381,709.95
KRS PE 2021 UNIT	403,356.075	50,519,292.41	136,753.021	17,127,957.86
KRS PERIMETER PARK UNIT	17,188.363	1,682,470.76	18,713.042	1,831,712.89
KRS POST-2015 REAL ESTATE UNIT	664,118.024	102,608,393.76	210,001.016	32,445,839.69
KRS PRIVATE CREDIT FI UNIT	1,586,599.379	297,637,331.48	525,487.639	98,578,595.62
KRS PROLOGIS UNIT	741,098.600	192,213,759.25	234,343.128	60,780,000.92
KRS REAL RETURN UNIT	582,623.772	99,750,309.86	200,639.314	34,351,213.78
KRS RUBENSTEIN PF II UNIT	55,450.515	10,688,449.47	17,278.945	3,330,629.67
KRS SHENKMAN UNIT	827,306.875	127,550,108.60	278,851.943	42,992,022.29
KRS STOCKBRIDGE UNIT	280,090.753	66,037,843.27	89,313.398	21,057,689.75
KRS TAURUS UNIT	8,417.919	2,382,064.29	2,873.199	813,044.74
KRS TPF II UNIT	351.766	37,804.94	117.591	12,637.72
KRS WALTON VI UNIT	38,991.717	6,730,756.74	13,784.580	2,379,496.52
KRS WALTON VII UNIT	37,435.893	6,577,300.98	11,665.409	2,049,554.58
KRS WATERFALL UNIT	895,271.123	155,848,806.04	299,283.444	52,099,264.92

KPPA Board Meeting - Investment Department Update

Kentucky Public Pensions Authority						
Insurance: KERS INS, KERS-H INS, & SPRS INS Unit Holdings						
Quarter Ended December 31, 2022						
UNIT OF PARTICIPATION	KERS INS		KERS-H INS		SPRS INS	
	Shares/Par	Base Market Value	Shares/Par	Base Market Value	Shares/Par	Base Market Value
Grand Total	10,307,150.532	1,333,435,825.11	4,865,856.526	583,875,689.13	1,794,051.529	231,714,467.92
KR3 ARROWMARK UNIT	198,111.345	39,666,697.65	123,155.934	24,658,805.87	45,477.526	9,105,704.04
KRS INS PE 2014 UNIT	-	-	13,393.882	2,204,849.46	8,335.534	1,372,163.62
KRS INS ABSOLUTE RETURN UNIT	53,389.102	6,474,080.02	35,451.472	4,298,923.52	13,294.494	1,612,119.60
KRS INS ADAMS STREET A1 UNIT	72,427.642	10,085,124.22	38,963.478	5,425,435.71	15,050.855	2,095,743.26
KRS INS ADAMS STREET B1 UNIT	74,015.103	9,157,203.54	39,817.475	4,926,247.59	15,380.742	1,902,916.83
KRS INS AMERRA AGRI UNIT	32,461.227	2,932,620.03	26,322.951	2,378,074.41	9,893.719	893,820.76
KRS INS AMERRA UNIT	6,443.202	1,214,834.26	5,224.818	985,113.91	1,963.795	370,263.95
KRS INS BLACKROCK UNIT	735,968.976	45,083,495.17	408,777.073	25,040,592.47	154,203.321	9,446,083.88
KRS INS BLUE TORCH UNIT	66,616.664	9,811,879.11	35,017.303	5,157,651.60	13,564.966	1,997,965.65
KRS INS BNYM CUSTODY FEE UNIT	-71,583.946	-71,583.95	-31,659.436	-31,659.44	-12,533.039	-12,533.04
KRS INS BTG UNIT	20,001.053	1,616,853.32	13,560.021	1,096,170.54	5,144.451	415,869.24
KRS INS CASH UNIT	1,452,557.440	150,244,742.81	154,152.856	15,944,743.78	49,193.853	5,088,348.03
KRS INS DB PRIVATE EQ UNIT	8,272.330	2,776,429.15	6,867.415	2,304,899.73	1,537.665	516,084.09
KRS INS DIVCOWEST IV UNIT	157.933	87,654.64	118.367	65,695.05	44.583	24,744.08
KRS INS DOMESTIC EQUITY UNIT	393,666.898	93,254,211.44	170,289.749	40,339,272.47	68,932.448	16,329,137.94
KRS INS GLOBAL FIXED UNIT	171,904.490	21,711,202.05	7,405.298	935,274.70	38,965.867	4,921,313.06
KRS INS GREENFIELD UNIT	277.542	3,614.60	208.010	2,709.04	78.297	1,019.71
KRS INS GREENFIELD VII UNIT	709.345	217,457.20	531.634	162,978.01	200.109	61,345.53
KRS INS HARRISON UNIT	77,338.977	17,340,226.56	56,020.957	12,560,498.26	21,455.354	4,810,520.05
KRS INS IFM INFRASTR DEBT UNIT	33,735.504	4,643,451.59	18,982.226	2,612,768.07	6,395.139	880,245.29
KRS INS INTERNAL EQUITY UNIT	849,561.558	238,198,053.62	377,610.376	105,873,501.15	148,394.468	41,606,488.80
KRS INS INTL EQ UNIT	1,263,836.009	194,941,814.61	524,584.620	80,915,148.02	211,800.383	32,669,389.62
KRS INS L-A-VII UNIT	13,548.550	1,289,967.48	10,154.240	966,792.71	3,824.578	364,140.91
KRS INS LIQUID CORE FIXED UNIT	1,319,606.062	160,636,805.86	578,089.522	70,371,345.65	226,853.429	27,615,067.32
KRS INS LIQUID CREDIT FIXED UN	1,738,367.727	1.74	1,337,212.672	1.34	401,179.551	0.40
KRS INS LIQUID HY FI UNIT	240,019.167	35,080,323.46	106,005.447	15,493,368.37	41,245.701	6,028,320.78
KRS INS MAGNETAR MTP	28.007	14,514.76	22.063	11,434.25	8.389	4,347.64
KRS INS MESA WEST CORE UNIT	32,110.702	5,801,854.79	27,534.291	4,974,975.57	10,315.876	1,863,902.40
KRS INS MESA WEST IV UNIT	10,669.816	1,009,802.21	7,979.816	755,217.88	3,050.668	288,718.31
KRS INS MULTI SECTOR CREDIT FI	212,837.305	33,929,871.88	127,352.658	20,302,171.04	43,970.794	7,009,689.43
KRS INS OBERLAND UNIT	15,552.965	1,147,511.23	4,394.532	324,232.38	1,028.773	75,903.76
KRS INS PE 2010 UNIT	37,525.967	11,228,680.72	17,874.043	5,348,347.77	7,948.694	2,378,442.29
KRS INS PE 2011 UNIT	-	-	18,725.962	5,830,199.28	8,917.113	2,776,281.71
KRS INS PE 2012 A UNIT	-	-	434.734	277,324.53	270.552	172,589.92
KRS INS PE 2012 B UNIT	-	-	3,507.405	516,394.99	2,165.695	318,855.12
KRS INS PE 2013 UNIT	-	-	19,090.033	6,912,468.44	11,880.461	4,301,894.70
KRS INS PE 2015 UNIT	-	-	12,553.757	3,129,664.98	7,812.689	1,947,711.68
KRS INS PE 2016 UNIT	89,495.870	23,323,941.64	54,582.650	14,225,042.37	21,144.643	5,510,605.34
KRS INS PE 2017 UNIT	46,530.955	7,151,948.45	28,378.898	4,361,922.41	10,993.539	1,689,740.18
KRS INS PE 2018 UNIT	57,915.947	10,747,728.29	16,364.268	3,036,792.37	3,830.896	710,916.97
KRS INS PE 2019 UNIT	107,482.187	24,033,923.63	7,677.301	1,716,709.26	3,070.921	686,683.84
KRS INS PE 2021 UNIT	66,720.120	8,410,524.29	31,447.424	3,964,161.39	12,320.212	1,553,046.40
KRS INS POST-2015 REAL ESTATE	71,280.315	10,973,958.40	53,309.619	8,207,280.53	20,380.162	3,137,627.13
KRS INS PRIVATE CREDIT FI UNIT	211,317.698	39,006,121.45	127,602.736	23,553,577.69	45,940.030	8,479,850.04
KRS INS PROLOGIS UNIT	46,483.481	19,191,352.18	34,764.411	14,352,971.00	13,290.350	5,487,106.00
KRS INS REAL RETURN UNIT	68,588.635	11,769,983.98	31,363.109	5,381,989.17	12,242.317	2,100,812.69
KRS INS RUBENSTEIN PF II UNIT	4,991.951	956,421.95	3,741.344	716,814.64	1,409.174	269,987.62
KRS INS SHENKMAN UNIT	287,676.041	43,942,368.84	69,066.460	10,549,866.61	24,045.638	3,672,958.97
KRS INS STOCKBRIDGE UNIT	38,327.097	8,997,492.14	27,034.753	6,346,553.66	10,358.286	2,431,663.35
KRS INS TAURUS UNIT	-	-	407.094	115,423.70	253.351	71,832.82
KRS INS TPF II UNIT	17.081	1,835.66	9.178	986.34	3.998	429.66
KRS INS WALTON VI UNIT	1,735.306	297,761.62	992.318	170,272.11	424.189	72,786.70
KRS INS WALTON VII UNIT	3,329.973	585,059.52	2,495.727	438,486.69	939.400	165,047.86
KRS INS WATERFALL UNIT	145,123.213	24,516,007.30	80,891.582	13,665,206.09	26,156.930	4,418,751.99

Kentucky Public Pensions Authority				
Insurance: CERS & CERS-H Unit Holdings				
Quarter Ended December 31, 2022				
UNIT OF PARTICIPATION	CERS INS		CERS-H INS	
	Shares/Par	Base Market Value	Shares/Par	Base Market Value
Grand Total	24,517,583.010	3,073,358,843.04	12,305,899.404	1,524,112,078.40
KR3 ARROWMARK UNIT	554,115.798	110,947,426.16	301,875.792	60,442,857.37
KRS INS PE 2014 UNIT	101,486.922	16,706,387.69	54,893.500	9,036,357.34
KRS INS ABSOLUTE RETURN UNIT	151,557.901	18,378,244.65	84,912.898	10,296,724.90
KRS INS ADAMS STREET A1 UNIT	186,733.637	26,001,563.39	98,650.679	13,736,528.27
KRS INS ADAMS STREET B1 UNIT	190,826.453	23,609,190.55	100,812.890	12,472,645.65
KRS INS AMERRA AGRI UNIT	113,082.785	10,216,152.33	62,427.093	5,639,803.54
KRS INS AMERRA UNIT	22,445.700	4,232,027.09	12,391.098	2,336,281.00
KRS INS BLACKROCK UNIT	3,237,957.534	198,348,636.42	1,610,309.295	98,643,249.50
KRS INS BLUE TORCH UNIT	168,732.244	24,852,345.95	88,690.812	13,063,150.77
KRS INS BNYM CUSTODY FEE UNIT	-165,532.997	-165,533.00	-82,550.330	-82,550.33
KRS INS BTG UNIT	58,674.170	4,743,126.61	32,238.357	2,606,097.52
KRS INS CASH UNIT	337,611.191	34,920,688.96	166,579.684	17,230,108.15
KRS INS DB PRIVATE EQ UNIT	27,357.854	9,182,073.64	14,782.255	4,961,345.07
KRS INS DIVCOWEST IV UNIT	514.258	285,419.12	279.422	155,082.43
KRS INS DOMESTIC EQUITY UNIT	1,079,817.937	255,793,846.85	549,142.447	130,084,206.02
KRS INS GLOBAL FIXED UNIT	477,750.334	60,338,936.05	219,395.327	27,709,202.20
KRS INS GREENFIELD UNIT	903.324	11,764.54	490.809	6,392.11
KRS INS GREENFIELD VII UNIT	2,308.723	707,763.41	1,254.414	384,553.85
KRS INS HARRISON UNIT	244,840.322	54,895,821.21	133,920.349	30,026,375.86
KRS INS IFM INFRAST DEBT UNIT	91,716.602	12,624,136.33	47,255.497	6,504,382.23
KRS INS INTERNAL EQUITY UNIT	2,203,707.454	617,870,266.55	1,053,648.266	295,419,400.51
KRS INS INTL EQ UNIT	2,795,466.778	431,189,934.85	1,354,849.173	208,980,243.02
KRS INS L-A-VII UNIT	44,116.449	4,200,359.80	23,970.508	2,282,249.83
KRS INS LIQUID CORE FIXED UNIT	2,837,526.720	345,414,621.81	1,241,791.918	151,164,421.71
KRS INS LIQUID CREDIT FIXED UN	5,562,779.296	5.56	2,995,343.950	3.00
KRS INS LIQUID HY FI UNIT	578,308.843	84,523,505.04	216,615.700	31,659,758.33
KRS INS MAGNETAR MTP	95.017	49,243.01	52.560	27,239.47
KRS INS MESA WEST CORE UNIT	117,798.214	21,284,123.04	65,081.046	11,759,032.19
KRS INS MESA WEST IV UNIT	34,504.073	3,265,500.46	18,935.158	1,792,042.55
KRS INS MULTI SECTOR CREDIT FI	531,206.774	84,683,358.42	290,366.710	46,289,372.39
KRS INS OBERLAND UNIT	12,648.950	933,250.48	6,877.327	507,415.14
KRS INS PE 2010 UNIT	66,903.608	20,019,184.40	35,813.046	10,716,133.15
KRS INS PE 2011 UNIT	122,164.555	38,035,092.73	73,120.458	22,765,550.94
KRS INS PE 2012 A UNIT	3,294.037	2,101,324.65	1,781.717	1,136,588.89
KRS INS PE 2012 B UNIT	27,004.062	3,975,806.13	14,333.239	2,110,281.76
KRS INS PE 2013 UNIT	144,647.162	52,376,491.03	78,238.554	28,330,047.16
KRS INS PE 2015 UNIT	95,121.209	23,713,818.61	51,450.359	12,826,629.24
KRS INS PE 2016 UNIT	203,578.509	53,055,557.34	122,933.898	32,038,384.14
KRS INS PE 2017 UNIT	105,845.206	16,268,728.13	63,916.046	9,824,089.49
KRS INS PE 2018 UNIT	47,101.950	8,740,925.20	25,609.708	4,752,511.14
KRS INS PE 2019 UNIT	23,031.899	5,150,126.89	12,283.675	2,746,733.34
KRS INS PE 2021 UNIT	156,658.650	19,747,886.86	80,606.596	10,161,008.91
KRS INS POST-2015 REAL ESTATE	230,506.460	35,487,613.98	126,497.412	19,474,904.64
KRS INS PRIVATE CREDIT FI UNIT	555,898.668	102,610,671.82	303,181.784	55,962,872.96
KRS INS PROLOGIS UNIT	150,318.422	62,061,052.96	82,491.818	34,057,895.35
KRS INS REAL RETURN UNIT	155,029.165	26,603,398.49	79,892.918	13,709,827.66
KRS INS RUBENSTEIN PF II UNIT	16,254.663	3,114,276.67	8,831.949	1,692,137.99
KRS INS SHENKMAN UNIT	327,756.225	50,064,596.54	121,439.412	18,549,808.37
KRS INS STOCKBRIDGE UNIT	117,767.220	27,646,488.25	64,874.850	15,229,719.93
KRS INS TAURUS UNIT	3,084.602	874,579.80	1,668.438	473,053.63
KRS INS TPF II UNIT	37.089	3,985.88	19.666	2,113.46
KRS INS WALTON VI UNIT	3,937.153	675,577.14	2,109.889	362,036.42
KRS INS WALTON VII UNIT	10,838.188	1,904,215.16	5,888.786	1,034,630.10
KRS INS WATERFALL UNIT	349,745.048	59,083,257.41	183,630.582	31,021,148.14

Kentucky Public Pensions Authority

Security Litigation Report

Quarter Ending: December 31, 2022

Claims Filed during the Quarter (pg 3):

19

Proceeds Received during the Quarter (pg 4):

\$144,900.41

Kentucky Retirement Systems	
Quarterly Securities Litigation Report	
Quarter Ended 12/31/22	
Total Claims Filed	
No Claim on File	9
Fiscal Year 1997	1
Fiscal Year 1998	2
Fiscal Year 1999	5
Fiscal Year 2000	9
Fiscal Year 2001	8
Fiscal Year 2002	33
Fiscal Year 2003	45
Fiscal Year 2004	38
Fiscal Year 2005	89
Fiscal Year 2006	150
Fiscal Year 2007	70
Fiscal Year 2008	73
Fiscal Year 2009	85
Fiscal Year 2010	65
Fiscal Year 2011	69
Fiscal Year 2012	54
Fiscal Year 2013	48
Fiscal Year 2014	65
Fiscal Year 2015	80
Fiscal Year 2016	224
Fiscal Year 2017	140
Fiscal Year 2018	74
Fiscal Year 2019	55
Fiscal Year 2020	42
Fiscal Year 2021	43
Fiscal Year 2022	49
Fiscal Year 2023	32
Total Filed	1,657
Proceeds Received	
Fiscal Year 1998	\$67,682
Fiscal Year 1999	\$233,370
Fiscal Year 2000	\$303,918
Fiscal Year 2001	\$415,502
Fiscal Year 2002	\$387,318
Fiscal Year 2003	\$519,059
Fiscal Year 2004	\$1,080,920
Fiscal Year 2005	\$1,645,440
Fiscal Year 2006	\$797,535
Fiscal Year 2007	\$5,398,363
Fiscal Year 2008	\$5,402,336
Fiscal Year 2009	\$3,504,682
Fiscal Year 2010	\$2,776,544
Fiscal Year 2011	\$1,292,484
Fiscal Year 2012	\$468,657
Fiscal Year 2013	\$1,070,427
Fiscal Year 2014	\$308,704
Fiscal Year 2015	\$23,639,565
Fiscal Year 2016	\$2,417,957
Fiscal Year 2017	\$1,886,532
Fiscal Year 2018	\$2,247,966
Fiscal Year 2019	\$1,702,272
Fiscal Year 2020	\$1,743,474
Fiscal Year 2021	\$286,420
Fiscal Year 2022	\$616,557
Fiscal Year 2023	\$186,186
Total Proceeds	\$60,399,872

KPPA Board Meeting - Investment Department Update

Class Action Name	TNT Status Code	Status as of Date	Class Period Start Date	Class Period End Date	Class Account Id	Claimed Account Name
BANK OZK, Securities Litigation	FILED	10/4/2022	2/19/2016	10/18/2018	956588	KRS NTGI STRUCTURED
BANK OZK, Securities Litigation	FILED	10/4/2022	2/19/2016	10/18/2018	956765	KRS INS NTGI STRUCTURED
BENEFITFOCUS, INC., Securities Litigation	FILED	12/19/2022	2/26/2019	11/5/2020	956765	KRS INS NTGI STRUCTURED
BENEFITFOCUS, INC., Securities Litigation	FILED	12/19/2022	2/26/2019	11/5/2020	956588	KRS NTGI STRUCTURED
BOFI HOLDINGS, INC., Securities Litigation (15CV02324GPKSC)	FILED	11/24/2022	9/4/2013	10/13/2015	KR3F1002002	NTGI STRUCTURED
BOFI HOLDINGS, INC., Securities Litigation (15CV02324GPKSC)	FILED	11/24/2022	9/4/2013	10/13/2015	KR2F1002002	NTGI STRUCTURED
COVETRUS, INC., Securities Litigation	FILED	12/1/2022	2/8/2019	8/12/2019	956596	KRS KRS INTERNAL EQUITY
COVETRUS, INC., Securities Litigation	FILED	12/1/2022	2/8/2019	8/12/2019	956774	KRS INS S P 500 INDEX
COVETRUS, INC., Securities Litigation	FILED	12/1/2022	2/8/2019	8/12/2019	956599	KRS S P 500 INDEX
COVETRUS, INC., Securities Litigation	FILED	12/1/2022	2/8/2019	8/12/2019	956588	KRS NTGI STRUCTURED
COVETRUS, INC., Securities Litigation	FILED	12/1/2022	2/8/2019	8/12/2019	956772	KRS INS KRS INTERNAL EQUITY
COVETRUS, INC., Securities Litigation	FILED	12/1/2022	2/8/2019	8/12/2019	956765	KRS INS NTGI STRUCTURED
EVOLENT HEALTH, INC., Securities Litigation	FILED	12/14/2022	1/10/2018	5/28/2019	956588	KRS NTGI STRUCTURED
EVOLENT HEALTH, INC., Securities Litigation	FILED	12/14/2022	1/10/2018	5/28/2019	956765	KRS INS NTGI STRUCTURED
Facebook Fair Fund	FILED	10/18/2022	1/28/2016	3/19/2018	KR2F1011002	KRS INTERNAL EQUITY
Facebook Fair Fund	FILED	11/24/2022	1/28/2016	3/19/2018	956591	KRS WESTFIELD CAPITAL
Facebook Fair Fund	FILED	11/24/2022	1/28/2016	3/19/2018	956599	KRS S P 500 INDEX
Facebook Fair Fund	FILED	11/24/2022	1/28/2016	3/19/2018	956774	KRS INS S P 500 INDEX
Facebook Fair Fund	FILED	11/24/2022	1/28/2016	3/19/2018	956596	KRS KRS INTERNAL EQUITY
Facebook Fair Fund	FILED	11/24/2022	1/28/2016	3/19/2018	956768	KRS INS WESTFIELD CAPITAL
Facebook Fair Fund	FILED	10/18/2022	1/28/2016	3/19/2018	KR2F1006002	WESTFIELD CAPITAL
Facebook Fair Fund	FILED	10/18/2022	1/28/2016	3/19/2018	KR3F1011002	KRS INTERNAL EQUITY
Facebook Fair Fund	FILED	11/24/2022	1/28/2016	3/19/2018	956772	KRS INS KRS INTERNAL EQUITY
Facebook Fair Fund	FILED	10/18/2022	1/28/2016	3/19/2018	KR3F1006002	WESTFIELD CAPITAL
Facebook Fair Fund	FILED	10/18/2022	1/28/2016	3/19/2018	KR2F1902002	S&P 500 INDEX
FLUOR CORPORATION, Securities Litigation (18CV01338)	FILED	10/14/2022	8/14/2013	2/14/2020	956596	KRS KRS INTERNAL EQUITY
FLUOR CORPORATION, Securities Litigation (18CV01338)	FILED	10/14/2022	8/14/2013	2/14/2020	956772	KRS INS KRS INTERNAL EQUITY
FLUOR CORPORATION, Securities Litigation (18CV01338)	FILED	10/11/2022	10/16/2015	2/14/2020	956599	KRS S P 500 INDEX
General Electric Company Fair Fund	FILED	12/13/2022	10/16/2015	1/16/2018	956596	KRS KRS INTERNAL EQUITY
General Electric Company Fair Fund	FILED	12/13/2022	10/16/2015	1/16/2018	956591	KRS WESTFIELD CAPITAL
General Electric Company Fair Fund	FILED	12/13/2022	10/16/2015	1/16/2018	956597	KRS RIVER ROAD FAV
General Electric Company Fair Fund	FILED	10/12/2022	10/16/2015	1/16/2018	KR3F1006002	WESTFIELD CAPITAL
General Electric Company Fair Fund	FILED	10/12/2022	10/16/2015	1/16/2018	KR2F1902002	S&P 500 INDEX
General Electric Company Fair Fund	FILED	10/12/2022	10/16/2015	1/16/2018	KR3F1011002	KRS INTERNAL EQUITY
General Electric Company Fair Fund	FILED	10/12/2022	10/16/2015	1/16/2018	KR2F1006002	WESTFIELD CAPITAL
General Electric Company Fair Fund	FILED	12/13/2022	10/16/2015	1/16/2018	956768	KRS INS WESTFIELD CAPITAL
General Electric Company Fair Fund	FILED	12/13/2022	10/16/2015	1/16/2018	956772	KRS INS KRS INTERNAL EQUITY
General Electric Company Fair Fund	FILED	10/12/2022	10/16/2015	1/16/2018	KR2F1011002	KRS INTERNAL EQUITY
General Electric Company Fair Fund	FILED	12/13/2022	10/16/2015	1/16/2018	956599	KRS S P 500 INDEX
General Electric Company Fair Fund	FILED	12/13/2022	10/16/2015	1/16/2018	956774	KRS INS S P 500 INDEX
General Electric Company Fair Fund	FILED	12/13/2022	10/16/2015	1/16/2018	956592	KRS RIVER ROAD
General Electric Company Fair Fund	FILED	12/13/2022	10/16/2015	1/16/2018	956769	KRS INS RIVER ROAD
General Electric Company Fair Fund	FILED	12/13/2022	10/16/2015	1/16/2018	909181	KRS INS RIVER ROAD FAV
GROUPON, INC Securities Litigation	FILED	12/2/2022	7/30/2019	2/18/2020	956765	KRS INS NTGI STRUCTURED
GROUPON, INC Securities Litigation	FILED	12/2/2022	7/30/2019	2/18/2020	956588	KRS NTGI STRUCTURED
HARMAN INTERNATIONAL INDUSTRIES, INC., Securities Litigation (17CV00246)	FILED	11/7/2022	1/10/2017	3/12/2017	KR3F1902002	S&P 500 INDEX
HARMAN INTERNATIONAL INDUSTRIES, INC., Securities Litigation (17CV00246)	FILED	11/7/2022	1/10/2017	3/12/2017	KR2F1902002	S&P 500 INDEX
INOVIO PHARMACEUTICALS, INC Securities Litigation	FILED	12/15/2022	2/14/2020	8/10/2020	956765	KRS INS NTGI STRUCTURED
INOVIO PHARMACEUTICALS, INC Securities Litigation	FILED	12/15/2022	2/14/2020	8/10/2020	956588	KRS NTGI STRUCTURED
INTRUSION INC., Security Litigation	FILED	12/6/2022	10/14/2020	8/26/2021	956588	KRS NTGI STRUCTURED
MALLINCKRODT PLC, Securities Litigation	FILED	10/28/2022	10/6/2015	11/6/2017	KR3F1011002	KRS INTERNAL EQUITY
MALLINCKRODT PLC, Securities Litigation	FILED	10/27/2022	10/6/2015	11/6/2017	956599	KRS S P 500 INDEX
MALLINCKRODT PLC, Securities Litigation	FILED	10/27/2022	10/6/2015	11/6/2017	KR2F1011002	KRS INTERNAL EQUITY
SEALED AIR CORPORATION, Securities Litigation	FILED	12/19/2022	11/17/2014	6/20/2019	956596	KRS KRS INTERNAL EQUITY
SEALED AIR CORPORATION, Securities Litigation	FILED	12/19/2022	11/17/2014	6/20/2019	956772	KRS INS KRS INTERNAL EQUITY
SEALED AIR CORPORATION, Securities Litigation	FILED	12/19/2022	11/17/2014	6/20/2019	956599	KRS S P 500 INDEX
TWITTER, INC., Securities Litigation	FILED	11/10/2023	2/6/2015	7/28/2015	KR2F4290002	INST VEN PTRN XII
TWITTER, INC., Securities Litigation	FILED	11/10/2023	2/6/2015	7/28/2015	KR3F4290002	INST VEN PTRN XII
UNITI GROUP INC. SECURITIES LITIGATION	FILED	11/29/2022	4/24/2015	6/24/2019	956592	KRS RIVER ROAD
UNITI GROUP INC. SECURITIES LITIGATION	FILED	11/29/2022	4/24/2015	6/24/2019	956769	KRS INS RIVER ROAD
UNITI GROUP INC. SECURITIES LITIGATION	FILED	11/7/2022	4/24/2015	6/24/2019	KR3F1007002	RIVER ROAD
UNITI GROUP INC. SECURITIES LITIGATION	FILED	11/29/2022	4/24/2015	6/24/2019	956773	KRS INS TRANSITION
UNITI GROUP INC. SECURITIES LITIGATION	FILED	11/29/2022	4/24/2015	6/24/2019	KR3F3506002	NUVEEN REAL ASSET
UNITI GROUP INC. SECURITIES LITIGATION	FILED	11/29/2022	4/24/2015	6/24/2019	956598	KRS TRANSITION
UNITI GROUP INC. SECURITIES LITIGATION	FILED	11/7/2022	4/24/2015	6/24/2019	KR2F1007002	RIVER ROAD
UNITI GROUP INC. SECURITIES LITIGATION	FILED	11/29/2022	4/24/2015	6/24/2019	KR2F3506002	NUVEEN REAL ASSET
Vanda Pharms Inc. Securities Litigation	FILED	12/19/2022	11/4/2015	2/11/2019	956588	KRS NTGI STRUCTURED
Vanda Pharms Inc. Securities Litigation	FILED	12/19/2022	11/4/2015	2/11/2019	956765	KRS INS NTGI STRUCTURED
VENATOR MATERIALS PLC, Securities Litigation	FILED	11/24/2022	8/2/2017	10/29/2018	956766	KRS INS SYSTEMATIC
VENATOR MATERIALS PLC, Securities Litigation	FILED	11/24/2022	8/2/2017	10/29/2018	956589	KRS SYSTEMATIC
WALGREEN COMPANY Securities Litigation (15CV03187)	FILED	10/21/2022	4/17/2014	8/5/2014	KR2F1902002	S&P 500 INDEX
WALGREEN COMPANY Securities Litigation (15CV03187)	FILED	10/21/2022	4/17/2014	8/5/2014	KR3F1902002	S&P 500 INDEX



Transaction Detail
Reported By Transaction Category

Report ID: IACS0008

Base Currency: USD

KR2G0000000 - TOTAL FUND

9/30/2022 - 12/31/2022

Status: FINAL

Trans Code	Shares/Par	Description	Trade Date	Price	Cost	Amount	Net Gain/Loss
Link Ref	Security Id	Broker	C. Settle Date	Local/Base	Local/Base	Local/Base	Local/Base
		Transaction No./Client Ref No.	Reported Date				
CLASS ACTIONS							
CASH & CASH EQUIVALENTS							
U.S. DOLLAR							
CD	0.000	24213CenturyLink Inc. (2017) (NA9123459 D Minn) Distribution 1ST DISTR 20221006S000140 / 000000000000 KR2F10110002 : KRS INTERNAL EQUITY	10/5/2022	0.000000	264.84	264.84	264.84
			10/5/2022	0.000000	264.84	264.84	264.84
						Gain/Loss Local Amounts: 264.84 Long	
						Gain/Loss Base Amounts: 264.84 Long	
CD	0.000	24213CenturyLink Inc. (2017) (NA9123459 D Minn) Distribution 1ST DISTR 20221006S000170 / 000000000000 KR2F19020002 : S&P 500 INDEX	10/5/2022	0.000000	14.72	14.72	14.72
			10/5/2022	0.000000	14.72	14.72	14.72
						Gain/Loss Local Amounts: 14.72 Long	
						Gain/Loss Base Amounts: 14.72 Long	
CD	0.000	3-16-CV-05479-JSTWELLS FARGO & NA9123459 COMPANY (2016) Distribution 3 20221006S000190 / 000000001111 KR2F19020002 : S&P 500 INDEX	10/6/2022	0.000000	106.84	106.84	106.84
			10/6/2022	0.000000	106.84	106.84	106.84
						Gain/Loss Local Amounts: 106.84 Long	
						Gain/Loss Base Amounts: 106.84 Long	
CD	0.000	1-18-cv-04253ROCKWELL MEDICAL, NA9123459 INC. (2018) Distribution 2ND 20221006S000320 / 000000000000 KR2F10020002 : NTGI STRUCTURED	10/6/2022	0.000000	19.32	19.32	19.32
			10/6/2022	0.000000	19.32	19.32	19.32
						Gain/Loss Local Amounts: 19.32 Long	
						Gain/Loss Base Amounts: 19.32 Long	
CD	0.000	23548Wells Fargo & Company (SE NA9123459 C) Distribution 1ST DISTRIBUTI 20221011S000010 / 000000000008 KR2F19010002 : STATE STREET TRANSIT	10/11/2022	0.000000	61,122.58	61,122.58	61,122.58
			10/11/2022	0.000000	61,122.58	61,122.58	61,122.58
						Gain/Loss Local Amounts: 61,122.58 Long	
						Gain/Loss Base Amounts: 61,122.58 Long	
CD	0.000	23548Wells Fargo & Company (SE NA9123459 C) Distribution 1ST DISTRIBUTI 20221011S000020 / 000000000008 KR2F10120002 : RIVER ROAD FAV	10/11/2022	0.000000	9,995.62	9,995.62	9,995.62
			10/11/2022	0.000000	9,995.62	9,995.62	9,995.62
						Gain/Loss Local Amounts: 9,995.62 Long	
						Gain/Loss Base Amounts: 9,995.62 Long	



Transaction Detail
Reported By Transaction Category

Report ID: IACS0008

Base Currency: USD

Status: FINAL

KR2G00000000 - TOTAL FUND

9/30/2022 - 12/31/2022

Trans Code Link Ref	Shares/Par Security Id	Description Broker	Trade Date C. Settle Date Reported Date	Price Local/Base	Cost Local/Base	Amount Local/Base	Net Gain/Loss Local/Base
CD	0.000 NA9123459	23548Wells Fargo & Company (SE C) Distribution 1ST DISTRIBUTI 20221011S000060 / 000000000008 KR2F10110002 : KRS INTERNAL EQUITY	10/11/2022 10/11/2022	0.000000 0.000000	10,061.94 10,061.94	10,061.94 10,061.94	10,061.94 10,061.94 Gain/Loss Local Amounts: 10,061.94 Long Gain/Loss Base Amounts: 10,061.94 Long
CD	0.000 NA9123459	23033RTI SURGICAL HOLDINGS, IN C. Distribution 1ST DISTRIBUTI 20221020S000250 / 000000000008 KR2F10020002 : NTGI STRUCTURED	10/20/2022 10/20/2022	0.000000 0.000000	206.14 206.14	206.14 206.14	206.14 206.14 Gain/Loss Local Amounts: 206.14 Long Gain/Loss Base Amounts: 206.14 Long
CD	0.000 NA9123459	A-13-686890-BParametric Sound Corporation (Nevada District C 20221021S000280 / 000000000000 KR2F10020002 : NTGI STRUCTURED	10/21/2022 10/21/2022	0.000000 0.000000	12.34 12.34	12.34 12.34	12.34 12.34 Gain/Loss Local Amounts: 12.34 Long Gain/Loss Base Amounts: 12.34 Long
CD	0.000 NA9123459	22050ACLARIS THERAPEUTICS, INC . Distribution 1ST DISTRIBUTIO 20221028S000350 / 000000000008 KR2F10020002 : NTGI STRUCTURED	10/27/2022 10/27/2022	0.000000 0.000000	122.69 122.69	122.69 122.69	122.69 122.69 Gain/Loss Local Amounts: 122.69 Long Gain/Loss Base Amounts: 122.69 Long
CD	0.000 NA9123459	3535COMMUNITY HEALTH SYSTEMS, INC. (2011) Distribution 1ST D 20221101S005150 / 000000000007 KR2F19020002 : S&P 500 INDEX	11/1/2022 11/1/2022	0.000000 0.000000	2,020.24 2,020.24	2,020.24 2,020.24	2,020.24 2,020.24 Gain/Loss Local Amounts: 2,020.24 Long Gain/Loss Base Amounts: 2,020.24 Long
CD	0.000 NA9123459	19893SYMANTEC CORPORATION (201 8) Distribution 1ST DISTRIBUTI 20221109S000150 / 000000000000 KR2F10110002 : KRS INTERNAL EQUITY	11/9/2022 11/9/2022	0.000000 0.000000	489.77 489.77	489.77 489.77	489.77 489.77 Gain/Loss Local Amounts: 489.77 Long Gain/Loss Base Amounts: 489.77 Long
CD	0.000 NA9123459	19893SYMANTEC CORPORATION (201 8) Distribution 1ST DISTRIBUTI 20221109S000250 / 000000000000 KR2F19020002 : S&P 500 INDEX	11/9/2022 11/9/2022	0.000000 0.000000	217.47 217.47	217.47 217.47	217.47 217.47 Gain/Loss Local Amounts: 217.47 Long Gain/Loss Base Amounts: 217.47 Long



Transaction Detail
Reported By Transaction Category

Report ID: IACS0008

Base Currency: USD

Status: FINAL

KR2G0000000 - TOTAL FUND

9/30/2022 - 12/31/2022

Trans Code Link Ref	Shares/Par Security Id	Description Broker	Trade Date C. Settle Date Reported Date	Price Local/Base	Cost Local/Base	Amount Local/Base	Net Gain/Loss Local/Base
CD	0.000 NA9123459	05-2367 (SRC) (CLW)MERCK & CO INC. SECURITIES, DERIVATIVE & 20221110S000230 / 000000000010 KR2F19020002 : S&P 500 INDEX	11/10/2022 11/10/2022	0.000000 0.000000	390.31 390.31	390.31 390.31	390.31 390.31 Gain/Loss Local Amounts: 390.31 Long Gain/Loss Base Amounts: 390.31 Long
CD	0.000 NA9123459	BIG LOTS SEC LIT 20221111S000010 / 0B70525DD023 KR2F90010002 : CASH ACCOUNT KR2	11/9/2022 11/9/2022	0.000000 0.000000	22.16 22.16	22.16 22.16	22.16 22.16 Gain/Loss Local Amounts: 22.16 Long Gain/Loss Base Amounts: 22.16 Long
CD	0.000 NA9123459	BIG LOTS SEC LIT 20221111S000020 / 0B70525DD023 KR2F90010002 : CASH ACCOUNT KR2	11/9/2022 11/9/2022	0.000000 0.000000	360.58 360.58	360.58 360.58	360.58 360.58 Gain/Loss Local Amounts: 360.58 Long Gain/Loss Base Amounts: 360.58 Long
CD	0.000 NA9123459	BIG LOTS SEC LIT 20221111S000030 / 0B70525DD023 KR2F90010002 : CASH ACCOUNT KR2	11/9/2022 11/9/2022	0.000000 0.000000	330.19 330.19	330.19 330.19	330.19 330.19 Gain/Loss Local Amounts: 330.19 Long Gain/Loss Base Amounts: 330.19 Long
CD	0.000 NA9123459	3-18-cv-05704-RSLIMPINJ, INC. (W.D. WASH.) Distribution 2ND 20221116S000150 / 000000000084 KR2F10020002 : NTGI STRUCTURED	11/16/2022 11/16/2022	0.000000 0.000000	183.40 183.40	183.40 183.40	183.40 183.40 Gain/Loss Local Amounts: 183.40 Long Gain/Loss Base Amounts: 183.40 Long
CD	0.000 NA9123459	COMMUNITY SYSTEMS HEALTH (2011) SEC LIT 20221121S000080 / F75569409F5B KR2F90010002 : CASH ACCOUNT KR2	11/18/2022 11/18/2022	0.000000 0.000000	993.12 993.12	993.12 993.12	993.12 993.12 Gain/Loss Local Amounts: 993.12 Long Gain/Loss Base Amounts: 993.12 Long
CD	0.000 NA9123459	CITIGROUP INC (VOL FA CAP) SEC FAIR FUND 20221201S000470 / 6EA9A7F1B881 KR2F19020002 : S&P 500 INDEX	11/29/2022 11/29/2022	0.000000 0.000000	514.96 514.96	514.96 514.96	514.96 514.96 Gain/Loss Local Amounts: 514.96 Long Gain/Loss Base Amounts: 514.96 Long



Transaction Detail
Reported By Transaction Category

Report ID: IACS0008
 Base Currency: USD
 Status: FINAL

KR2G00000000 - TOTAL FUND

9/30/2022 - 12/31/2022

Trans Code Link Ref	Shares/Par Security Id	Description Broker	Trade Date C. Settle Date Reported Date	Price Local/Base	Cost Local/Base	Amount Local/Base	Net Gain/Loss Local/Base
CD	0.000	20584CITI SPONSORED AMERICAN D NA9123459 EPOSITARY RECEIPTS (CITIBANK N 20221216S000020 / 000000000009 KR2F20050002 : AMERICAN CENTURY	12/16/2022 12/16/2022	0.000000 0.000000	18.49 18.49	18.49 18.49	18.49 18.49 Gain/Loss Local Amounts: 18.49 Long Gain/Loss Base Amounts: 18.49 Long
CD	0.000	3-17-CV-2616-MBSSCANA Corporat ion (2017)(D.S.C) Distribution NA9123459 20221219S000070 / 000000000000 KR2F19020002 : S&P 500 INDEX	12/19/2022 12/19/2022	0.000000 0.000000	1,259.77 1,259.77	1,259.77 1,259.77	1,259.77 1,259.77 Gain/Loss Local Amounts: 1,259.77 Long Gain/Loss Base Amounts: 1,259.77 Long
CD	0.000	CITI SPONSORED ADRS CITIBANK NA9123459 20221221S000030 / 04A3D22F6BC1 KR2F90010002 : CASH ACCOUNT KR2	12/16/2022 12/16/2022	0.000000 0.000000	345.77 345.77	345.77 345.77	345.77 345.77 Gain/Loss Local Amounts: 345.77 Long Gain/Loss Base Amounts: 345.77 Long
CD	0.000	CITIGROUP INC (VOL FA CAP) SEC FAIR FUND NA9123459 20230110A000010 KR2F90010002 : CASH ACCOUNT KR2	11/30/2022 12/1/2022	0.000000 0.000000	93.32 93.32	93.32 93.32	93.32 93.32 Gain/Loss Local Amounts: 93.32 Long Gain/Loss Base Amounts: 93.32 Long
TOTAL U.S. DOLLAR CASH & CASH EQUIVALENTS:					<u>89,166.58</u>	<u>89,166.58</u>	<u>89,166.58</u>
TOTAL CASH & CASH EQUIVALENTS CLASS ACTIONS:					<u>89,166.58</u>	<u>89,166.58</u>	<u>89,166.58</u>
TOTAL CLASS ACTIONS:					<u>89,166.58</u>	<u>89,166.58</u>	<u>89,166.58</u>
TOTAL TRANSACTIONS BASE:					<u>89,166.58</u>	<u>89,166.58</u>	<u>89,166.58</u>



Transaction Detail
Reported By Transaction Category

Report ID: IACS0008
 Base Currency: USD
 Status: REVISED

KR3G00000000 - TOTAL FUND

9/30/2022 - 12/31/2022

Trans Code	Shares/Par	Description	Trade Date	Price	Cost	Amount	Net Gain/Loss
Link Ref	Security Id	Broker	C. Settle Date	Local/Base	Local/Base	Local/Base	Local/Base
		Transaction No./Client Ref No.	Reported Date				
CLASS ACTIONS							
CASH & CASH EQUIVALENTS							
U.S. DOLLAR							
CD	0.000	23548Wells Fargo & Company (SE	10/11/2022	0.000000	4,478.61	4,478.61	4,478.61
	NA9123459	C) Distribution 1ST DISTRIBUTI		0.000000	4,478.61	4,478.61	4,478.61
		20221011S000020 / 0000000000008	10/11/2022				Gain/Loss Local Amounts: 4,478.61 Long
		KR3F10120002 : RIVER ROAD FAV					Gain/Loss Base Amounts: 4,478.61 Long
CD	0.000	23548Wells Fargo & Company (SE	10/11/2022	0.000000	50,385.34	50,385.34	50,385.34
	NA9123459	C) Distribution 1ST DISTRIBUTI		0.000000	50,385.34	50,385.34	50,385.34
		20221011S000060 / 0000000000008	10/11/2022				Gain/Loss Local Amounts: 50,385.34 Long
		KR3F10110002 : KRS INTERNAL EQUITY					Gain/Loss Base Amounts: 50,385.34 Long
CD	0.000	23033RTI SURGICAL HOLDINGS, IN	10/20/2022	0.000000	80.36	80.36	80.36
	NA9123459	C. Distribution 1ST DISTRIBUTI		0.000000	80.36	80.36	80.36
		20221020S000250 / 0000000000080	10/20/2022				Gain/Loss Local Amounts: 80.36 Long
		KR3F10020002 : NTGI STRUCTURED					Gain/Loss Base Amounts: 80.36 Long
CD	0.000	22050ACLARIS THERAPEUTICS, INC	10/27/2022	0.000000	45.44	45.44	45.44
	NA9123459	. Distribution 1ST DISTRIBUTIO		0.000000	45.44	45.44	45.44
		20221028S000360 / 0000000000087	10/27/2022				Gain/Loss Local Amounts: 45.44 Long
		KR3F10020002 : NTGI STRUCTURED					Gain/Loss Base Amounts: 45.44 Long
CD	0.000	19893SYMANTEC CORPORATION (201	11/9/2022	0.000000	106.36	106.36	106.36
	NA9123459	8) Distribution 1ST DISTRIBUTI		0.000000	106.36	106.36	106.36
		20221109S000150 / 0000000000000	11/9/2022				Gain/Loss Local Amounts: 106.36 Long
		KR3F10110002 : KRS INTERNAL EQUITY					Gain/Loss Base Amounts: 106.36 Long
CD	0.000	19893SYMANTEC CORPORATION (201	11/9/2022	0.000000	93.95	93.95	93.95
	NA9123459	8) Distribution 1ST DISTRIBUTI		0.000000	93.95	93.95	93.95
		20221109S000250 / 0000000000000	11/9/2022				Gain/Loss Local Amounts: 93.95 Long
		KR3F19020002 : S&P 500 INDEX					Gain/Loss Base Amounts: 93.95 Long



Transaction Detail
Reported By Transaction Category

Report ID: IACS0008
 Base Currency: USD
 Status: REVISED

KR3G00000000 - TOTAL FUND

9/30/2022 - 12/31/2022

Trans Code Link Ref	Shares/Par Security Id	Description Broker	Trade Date C. Settle Date Reported Date	Price Local/Base	Cost Local/Base	Amount Local/Base	Net Gain/Loss Local/Base
CD	0.000 NA9123459	05-2367 (SRC) (CLW)MERCCK & CO INC. SECURITIES, DERIVATIVE & 20221110S000230 / 000000000010 KR3F19020002 : S&P 500 INDEX	11/10/2022 11/10/2022	0.000000 0.000000	137.56 137.56	137.56 137.56	137.56 137.56 Gain/Loss Local Amounts: 137.56 Long Gain/Loss Base Amounts: 137.56 Long
CD	0.000 NA9123459	BIG LOTS SEC LIT 20221111S000010 / 0B70525DD023 KR3F90010002 : CASH ACCOUNT KR3	11/9/2022 11/9/2022	0.000000 0.000000	71.36 71.36	71.36 71.36	71.36 71.36 Gain/Loss Local Amounts: 71.36 Long Gain/Loss Base Amounts: 71.36 Long
CD	0.000 NA9123459	BIG LOTS SEC LIT 20221111S000020 / 0B70525DD023 KR3F90010002 : CASH ACCOUNT KR3	11/9/2022 11/9/2022	0.000000 0.000000	143.27 143.27	143.27 143.27	143.27 143.27 Gain/Loss Local Amounts: 143.27 Long Gain/Loss Base Amounts: 143.27 Long
CD	0.000 NA9123459	18935Tivity Health, Inc. Distr ibution 1ST DISTRIBUTION PROCE 20221116S000160 / 000000000000 KR3F10020002 : NTGI STRUCTURED	11/16/2022 11/16/2022	0.000000 0.000000	164.45 164.45	164.45 164.45	164.45 164.45 Gain/Loss Local Amounts: 164.45 Long Gain/Loss Base Amounts: 164.45 Long
CD	0.000 NA9123459	MERICK AND CO SEC LIT 20221122S000100 / F75569409F5B KR3F19020002 : S&P 500 INDEX	11/18/2022 11/18/2022	0.000000 0.000000	6.95 6.95	6.95 6.95	6.95 6.95 Gain/Loss Local Amounts: 6.95 Long Gain/Loss Base Amounts: 6.95 Long
CD	0.000 NA9123459	20584CITI SPONSORED AMERICAN D EPOSITARY RECEIPTS (CITIBANK N 20221216S000020 / 000000000009 KR3F20050002 : AMERICAN CENTURY	12/16/2022 12/16/2022	0.000000 0.000000	6.22 6.22	6.22 6.22	6.22 6.22 Gain/Loss Local Amounts: 6.22 Long Gain/Loss Base Amounts: 6.22 Long
CD	0.000 NA9123459	20584CITI SPONSORED AMERICAN D EPOSITARY RECEIPTS (CITIBANK N 20221216S000040 / 000000000009 KR3F90010002 : CASH ACCOUNT KR3	12/16/2022 12/16/2022	0.000000 0.000000	5.50 5.50	5.50 5.50	5.50 5.50 Gain/Loss Local Amounts: 5.50 Long Gain/Loss Base Amounts: 5.50 Long



Transaction Detail
Reported By Transaction Category

Report ID: IACS0008
 Base Currency: USD
 Status: REVISED

KR3G00000000 - TOTAL FUND

9/30/2022 - 12/31/2022

Trans Code	Shares/Par	Description	Trade Date	Price	Cost	Amount	Net Gain/Loss
Link Ref	Security Id	Broker	C. Settle Date	Local/Base	Local/Base	Local/Base	Local/Base
Transaction No./Client Ref No.			Reported Date				
CD	0.000	CITI SPONSORED ADRS CITIBANK	12/16/2022	0.000000	8.46	8.46	8.46
	NA9123459	20221221S000030 / 04A3D22F6BC1		0.000000	8.46	8.46	8.46
		KR3F90010002 : CASH ACCOUNT KR3	12/16/2022				
						Gain/Loss Local Amounts: 8.46 Long	
						Gain/Loss Base Amounts: 8.46 Long	

TOTAL U.S. DOLLAR CASH & CASH EQUIVALENTS:	55,733.83	55,733.83	55,733.83
	55,733.83	55,733.83	55,733.83
TOTAL CASH & CASH EQUIVALENTS CLASS ACTIONS:	55,733.83	55,733.83	55,733.83
TOTAL CLASS ACTIONS:	55,733.83	55,733.83	55,733.83
TOTAL TRANSACTIONS BASE:	55,733.83	55,733.83	55,733.83

Kentucky Retirement Systems

Capital Calls and Distributions

Quarter Ending: December 31, 2022

KPPA Board Meeting - Investment Department Update

Kentucky Public Pensions Authority
Capital Calls and Distributions
For the quarter ending December 31, 2022

Pension Funds Managers	Total Pension Funds Commitments	Kentucky Employees Retirement System					Kentucky Employees Hazardous Retirement System					State Police Employees Retirement System				
		Commitment	Beginning Valuation	Period Contributions	Period Distributions	Ending Valuation	Commitment	Beginning Valuation	Period Contributions	Period Distributions	Ending Valuation	Commitment	Beginning Valuation	Period Contributions	Period Distributions	Ending Valuation
Adams Street SPC II A1	175,000,000	31,747,734	25,141,506	11,974,335	12,151,272	24,964,569	9,441,066	7,476,521	3,560,899	3,613,516	7,423,904	3,936,882	3,117,676	1,484,879	1,506,820	3,095,735
Adams Street SPC II B1	175,000,000	31,747,734	20,388,306	7,329,940	5,263,744	22,454,503	9,441,067	6,063,027	2,179,760	1,565,320	6,677,467	3,936,882	2,528,254	908,950	652,731	2,784,473
AMERRA Agri Fund II, LP	40,100,000	0	0	0	0	0	2,477,739	1,451,462	0	0	1,451,462	1,253,605	734,363	0	0	734,363
AMERRA-KRS Agri Holding Company, LP	65,000,000	0	0	0	0	0	4,016,284	2,261,259	250,368	37,065	2,474,562	2,032,029	1,144,078	126,673	18,753	1,251,999
Arcano KRS Fund I, L.P.	36,000,000	13,050,524	5,360,386	0	0	5,360,386	1,650,419	677,895	0	0	677,895	859,011	352,831	0	0	352,831
Ares Special Situations Fund IV, L.P.	26,192,000	0	0	0	0	0	1,622,790	1,252,510	0	53,557	1,198,952	511,579	394,850	0	16,884	377,966
Barings Euro Real Estate II	158,753,438	29,655,144	5,881,122	582,739	0	7,048,141	8,112,303	1,608,808	159,411	0	1,928,052	3,429,075	680,044	67,383	0	814,988
Barings Real Estate European Value Add I SCS	112,061,250	20,933,043	8,444,054	345,675	573,820	8,970,265	5,726,331	2,309,910	94,561	156,971	2,453,858	2,420,523	976,400	39,971	66,352	1,037,247
Bay Hills Capital I, L.P.	67,500,000	24,469,733	1,829,453	0	0	1,829,453	3,094,535	231,360	0	0	231,360	1,610,645	120,418	0	0	120,418
Bay Hills Capital III, L.P.	51,250,000	1	1	0	0	1	3,175,320	3,014,078	0	0	3,014,078	1,001,010	950,179	0	0	950,179
Bay Hills Emerging Partners II LP	45,000,000	16,313,156	32,694,681	0	0	32,694,681	2,063,023	4,134,693	0	0	4,134,693	1,073,764	2,152,027	0	0	2,152,027
Bay Hills Emerging Partners II-B LP	45,000,000	16,313,156	22,367,693	0	0	22,367,693	2,063,023	2,828,703	0	0	2,828,703	1,073,764	1,472,285	0	0	1,472,285
BDCM Opportunity Fund IV, L.P.	35,580,000	0	0	0	0	0	2,204,447	3,212,221	6,870	188,152	3,024,069	694,947	1,012,646	2,166	59,315	953,331
Blackstone Capital Partners V, L.P.	47,174,735	17,101,529	65,495	0	0	65,495	2,162,724	8,283	0	0	8,283	1,125,656	4,311	0	0	4,311
Blackstone Capital Partners VI, L.P.	60,000,000	0	0	0	0	0	3,299,994	1,395,987	0	167,224	1,228,763	0	0	0	0	0
Blue Torch Credit Opportunities Fund II LP	140,000,000	25,356,966	23,979,399	0	0	23,979,399	7,618,631	7,204,734	0	0	7,204,734	3,143,324	2,972,557	0	0	2,972,557
BSP Co-Invest Vehicle K LP	0	0	5,664,935	0	113,286	5,551,649	0	2,034,732	0	40,690	1,994,042	0	525,888	0	10,517	515,371
BSP Private Credit Fund	100,000,000	14,833,350	14,057,381	0	509,228	13,548,153	5,327,845	5,049,132	0	182,905	4,866,227	1,377,012	1,304,977	0	47,273	1,257,704
BTG Pactual Brazil Timberland Fund I	34,500,000	0	0	0	0	0	2,058,030	1,675,637	0	179,704	1,495,933	952,485	775,500	0	83,170	692,338
Camelot Opportunities Fund, L.P.	23,400,000	8,482,841	2,784,706	0	0	2,784,706	1,072,772	352,164	0	0	352,164	558,357	183,295	0	0	183,295
Cerberus KRS Levered Loan Opportunities Fund, L.P.	140,000,000	20,766,690	22,156,359	3,717,238	0	26,418,182	7,458,982	7,958,124	1,335,158	0	9,488,886	1,927,816	2,056,822	345,079	0	2,452,456
Columbia Capital Equity Partners IV, L.P.	27,000,000	9,787,893	1,038,991	0	0	1,038,991	1,237,814	131,395	0	0	131,395	644,258	68,388	0	0	68,388
Crestview Partners II, L.P.	67,500,000	24,469,733	11,841,318	23,416	1,096,984	10,767,750	3,094,535	1,497,498	2,961	138,729	1,361,730	1,610,645	779,418	1,541	72,206	708,754
Crestview Partners III, L.P.	39,000,000	0	0	0	0	0	2,416,341	2,373,154	5,000	71,407	2,306,746	761,744	748,129	1,576	22,511	727,195
CS Adjacent Investment Partners Parallel LP	140,000,000	20,766,690	11,588,771	2,019,119	3,633,974	9,973,916	7,458,982	4,162,456	725,227	1,305,251	3,582,432	1,927,816	1,075,810	187,439	337,350	925,900
CVC European Equity Partners VI, L.P.	23,394,941	1	1	0	0	1	1,449,491	1,684,659	13,512	182,281	1,663,785	456,948	531,084	4,260	57,464	524,503
DAG Ventures II, L.P.	27,000,000	9,787,893	698,137	0	0	698,137	1,237,814	88,289	0	0	88,289	644,258	45,953	0	0	45,953
DAG Ventures III, L.P.	27,000,000	9,787,893	132,557	0	0	132,557	1,237,814	16,764	0	0	16,764	644,258	8,725	0	0	8,725
DAG Ventures IV, L.P.	90,000,000	32,626,311	14,110,101	0	0	14,110,101	4,126,046	1,784,417	0	0	1,784,417	2,147,527	928,754	0	0	928,754
DAG Ventures V, L.P.	8,000,000	0	0	0	0	0	439,999	2,485	0	0	2,485	0	0	0	0	0
DCM VI, L.P.	13,500,000	4,893,947	2,293,119	0	489,395	1,803,724	618,907	289,996	0	61,891	228,106	322,129	150,938	0	32,213	118,725
DivcoWest Fund IV	20,800,000	0	0	0	0	0	1,244,069	82,953	0	0	82,953	447,430	29,834	0	0	29,834
Essex Woodlands Fund VIII, L.P.	22,500,000	8,156,578	-626,596	0	0	-626,596	1,031,512	-79,242	0	0	-79,242	536,882	-41,244	0	0	-41,244
Fundamental Partners III LP	70,000,000	13,076,001	11,952,375	0	263,364	11,689,012	3,577,001	3,269,628	0	72,044	3,197,584	1,512,000	1,382,073	0	30,453	1,351,620
Green Equity Investors V, L.P.	90,000,000	32,626,311	1,036,587	0	346,232	690,355	4,126,046	131,091	0	43,786	87,305	2,147,527	68,230	0	22,790	45,440
Green Equity Investors VI, L.P.	32,000,000	0	0	0	0	0	1,759,997	1,797,350	0	20,631	1,776,719	0	0	0	0	0
Green Equity Investors VII LP	25,000,000	0	0	0	0	0	1,525,000	2,252,663	0	272,822	1,979,840	0	0	0	0	0
Greenfield Acquisition Partners VI, L.P.	38,100,000	0	0	0	0	0	2,278,801	3,377	0	0	3,377	819,568	1,214	0	0	1,214
Greenfield Acquisition Partners VII, L.P.	27,800,000	0	0	0	0	0	1,662,744	233,814	0	6,956	226,858	598,005	84,091	0	2,502	81,589
H.I.G. BioVentures II, L.P.	13,500,000	0	0	0	0	0	742,499	517,953	0	0	517,953	0	0	0	0	0
H.I.G. Capital Partner V, L.P.	13,100,000	0	0	0	0	0	811,643	786,219	4,819	109,200	681,839	255,868	247,853	1,519	34,425	214,948
H.I.G. Ventures II, L.P.	18,000,000	6,525,262	1,083,759	0	0	1,083,759	825,209	137,056	0	0	137,056	429,505	71,335	0	0	71,335
H&F Spock I LP	3,250,153	1,178,228	3,741,428	0	0	3,741,428	149,000	473,155	0	0	473,155	77,553	246,268	0	0	246,268
Harvest Partners V, L.P.	36,000,000	13,050,524	-63,477	0	0	-63,477	1,650,419	-8,028	0	0	-8,028	859,011	-4,178	0	0	-4,178
Harvest Partners VI, L.P.	28,400,000	0	0	0	0	0	1,607,440	491,032	0	0	491,032	241,400	73,742	0	0	73,742
Harvest Partners VII LP	20,000,000	0	0	0	0	0	1,220,000	1,840,870	2,745	0	1,843,615	0	0	0	0	0
Hellman and Friedman Capital Partners VI, L.P.	20,000,000	7,250,291	110	0	0	110	916,899	14	0	0	14	477,228	7	0	0	7
Horsley Bridge International Fund V, L.P.	45,000,000	16,313,156	37,611,052	0	909,856	36,701,196	2,063,023	4,756,436	0	115,064	4,641,372	1,073,764	2,475,632	0	59,888	2,415,744
IFM US Infrastructure Debt Fund	70,000,000	11,678,693	9,922,899	1,187,021	330,837	10,779,083	3,596,947	3,056,176	365,593	101,895	3,319,874	1,394,272	1,184,655	141,714	39,497	1,286,871
Institutional Venture Partners XII, L.P.	27,000,000	9,787,893	125,475	0	0	125,475	1,237,814	15,868	0	0	15,868	644,258	8,259	0	0	8,259
Kayne Anderson Energy Fund VII LP	50,000,000	0	0	0	0	0	3,050,000	1,687,475	0	0	1,687,475	0	0	0	0	0
KCP IV Co-Invest	12,657,585	0	0	0	0	0	784,232	188,219	0	0	205,050	247,227	59,336	0	0	64,641
Keyhaven Capital Partners Fund III, L.P.	26,929,056	9,762,175	3,535,294	0	0	3,851,419	1,234,562	447,087	0	0	487,065	642,565	232,700	0	0	253,508
Keyhaven Capital Partners IV LP	12,657,585	0	0	0	0	0	784,232	607,270	29,376	31,612	660,274	247,227	191,440	9,261	9,966	208,150
Levine Leichtman Capital Partners V, L.P.	46,000,000	1	1	0	0	1	2,850,043	1,354,346	0	11,990	1,342,355	898,468	426,953	0	3,780	423,174
Levine Leichtman Capital Partners VI LP	37,500,000	0	0	0	0	0	2,287,504	2,438,361	0	5,155	2,433,206	0	0	0	0	0
Lubert Adler VII	34,750,000	0	0	0	0	0	2,078,050	1,247,056	0	0	1,247,056	747,124	448,356	0	0	448,356
Lubert-Adler Real Estate Fund VII-B LP	36,750,000	6,864,900	2,084,312	0	338,350	1,745,962	1,877,925	570,173	0	92,557	477,616	793,800	241,012	0	39,124	201,889
Magentar MTP Energy Opportunities Fund II LLC	37,500,000	0	0	0	0	0	2,242,500	19,747	0	0	19,747	806,249	7,100	0	0	7,100
MatlinPatterson Global Opportunities Partners II	45,000,000	16,313,156	314,561	0	0	314,561	2,063,023	39,781								

KPPA Board Meeting - Investment Department Update

Kentucky Public Pensions Authority
Capital Calls and Distributions
For the quarter ending December 31, 2022

Pension Funds Managers	Total Pension Funds Commitments	Kentucky Employees Retirement System					Kentucky Employees Hazardous Retirement System					State Police Employees Retirement System				
		Commitment	Beginning Valuation	Period Contributions	Period Distributions	Ending Valuation	Commitment	Beginning Valuation	Period Contributions	Period Distributions	Ending Valuation	Commitment	Beginning Valuation	Period Contributions	Period Distributions	Ending Valuation
Merit Mezzanine Fund IV, L.P.	27,000,000	9,787,893	102,659	0	0	102,659	1,237,814	12,983	0	0	12,983	644,258	6,757	0	0	6,757
Mesa West Core Lending Fund, LP	57,500,000	5,474,001	5,710,394	172,938	172,938	5,710,394	3,248,749	3,389,045	102,637	102,637	3,389,045	960,250	1,001,718	30,337	30,337	1,001,718
Mesa West Real Estate Income Fund IV LP	36,000,000	13,050,524	3,643,568	3,045,122	57,017	6,631,674	1,650,419	460,779	385,098	7,211	838,666	859,011	239,827	200,436	3,753	436,510
MiddleGround Partners I LP	50,000,000	0	0	0	0	0	2,925,000	3,957,188	239,666	116,201	4,047,708	0	0	0	0	0
MiddleGround Partners II LP	50,000,000	9,584,069	6,301,061	679,484	0	6,980,545	2,755,477	1,811,593	195,356	0	2,006,949	1,102,634	724,929	78,174	0	803,102
MiddleGround Partners II-X LP	25,000,000	4,792,034	2,913,746	362,470	0	3,276,216	1,377,739	837,719	104,212	0	941,932	551,317	335,223	41,702	0	376,924
Mill Road Capital I, L.P.	27,000,000	9,787,893	1,323,579	0	0	1,323,579	1,237,814	167,385	0	0	167,385	644,258	87,121	0	0	87,121
New Mountain Partners II, L.P.	25,000,000	9,062,864	51,448	0	51,595	-148	1,146,124	6,506	0	6,525	-19	596,535	3,386	0	3,396	-10
New Mountain Partners III, L.P.	32,337,197	11,722,705	520,451	0	107,972	412,479	1,482,498	65,818	0	13,655	52,164	771,611	34,257	0	7,107	27,150
New Mountain Partners IV, L.P.	32,800,000	1	0	0	0	0	2,032,204	668,083	2,545	23,208	647,420	640,647	210,611	802	7,316	204,097
New State Capital Partners Fund III LP	17,500,000	3,354,424	582,622	111,163	0	693,785	964,417	167,507	31,960	0	199,467	385,922	67,030	12,789	0	79,819
Oak Hill Capital Partners II, L.P.	67,500,000	24,469,733	61,952	0	0	61,952	3,094,535	7,835	0	0	7,835	1,610,645	4,078	0	0	4,078
Oak Hill Capital Partners III, L.P.	33,750,000	12,234,867	293,992	5,396	264,326	35,063	1,547,267	37,179	682	33,428	4,434	805,323	19,351	355	17,398	2,308
Oberland Capital Healthcare LP	3,450,000	0	0	0	0	0	201,825	442,531	0	53,424	389,107	0	0	0	0	0
Patron Capital V LP	38,421,000	7,177,043	3,472,807	0	0	3,783,345	1,963,314	950,003	0	0	1,034,952	829,894	401,567	0	0	437,475
Riverside Capital Appreciation Fund VI, L.P.	35,500,000	0	0	0	0	0	2,009,300	561,910	0	0	561,910	301,749	84,385	0	0	84,385
Rubenstein Properties Fund II	20,800,000	0	0	0	0	0	1,244,066	865,419	0	0	865,419	447,429	311,248	0	0	311,248
Secondary Opportunities Fund III, L.P.	25,000,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Strategic Value Special Situations Fund IV LP	43,300,000	0	0	0	0	0	2,533,050	3,084,923	0	2,221	3,082,702	0	0	0	0	0
Strategic Value Special Situations Fund V LP	70,000,000	13,417,696	4,565,927	1,001,296	0	5,567,223	3,874,668	1,312,731	287,878	0	1,600,610	1,543,688	525,304	115,198	0	640,502
Taurus Mining Finance Fund LLC	45,100,000	0	0	0	0	0	2,794,280	230,256	0	14,732	215,524	880,891	72,588	0	4,644	67,943
Tenaska Power Fund II, L.P.	27,000,000	8,824,749	27,152	0	0	27,152	1,363,534	4,195	0	0	4,195	625,175	1,924	0	0	1,924
Triton Fund IV, L.P.	26,850,860	1	0	0	0	1	1,663,611	1,109,683	0	0	1,208,911	524,449	349,824	0	0	381,106
VantagePoint Venture Partners 2006, L.P.	27,000,000	9,787,893	2,518,879	0	288,290	2,230,589	1,237,814	318,547	0	36,458	282,089	644,258	165,798	0	18,976	146,822
VantagePoint Venture Partners IV, L.P.	36,000,000	13,050,524	21,582	0	0	21,582	1,650,419	2,729	0	0	2,729	859,011	1,421	0	0	1,421
Vista Equity Partners III, L.P.	45,000,000	16,313,156	1,204,950	0	0	1,204,950	2,063,023	152,383	0	0	152,383	1,073,764	79,312	0	0	79,312
Vista Equity Partners IV, L.P.	27,000,000	0	0	0	0	0	1,484,997	1,033,511	0	0	1,033,511	0	0	0	0	0
Vista Equity Partners VI LP	25,000,000	0	0	0	0	0	1,525,900	2,014,489	0	25,741	1,988,747	0	0	0	0	0
Walton Street Real Estate Fund VI, LP	36,000,000	10,001,992	4,053,754	0	0	4,053,754	2,186,190	886,051	0	0	886,051	725,004	293,840	0	0	293,840
Walton Street Real Estate Fund VII, LP	38,120,000	0	0	0	0	0	2,279,995	549,538	0	0	549,538	820,000	197,641	0	0	197,641
Warburg, Pincus Private Equity IX, L.P.	50,000,000	18,125,728	43,149	0	36,251	6,897	2,292,248	5,457	0	4,584	872	1,193,071	2,840	0	2,386	454
Warburg, Pincus Private Equity X, L.P.	38,750,000	14,047,440	310,774	0	0	310,774	1,776,492	39,302	0	0	39,302	924,630	20,456	0	0	20,456
Wayzata Opportunities Fund II, L.P.	67,500,000	24,469,733	529	0	0	529	3,094,535	67	0	0	67	1,610,645	35	0	0	35
Wayzata Opportunities Fund III, L.P.	35,500,000	0	0	0	0	0	2,009,300	310,696	0	54,357	256,339	301,749	46,659	0	8,163	38,496
White Oak Yield Spectrum Parallel Fund LP	100,000,000	14,833,350	21,184,372	0	863,284	20,321,088	5,327,845	7,609,005	0	310,075	7,298,931	1,377,012	1,966,591	0	80,141	1,886,450

KPPA Board Meeting - Investment Department Update

Kentucky Public Pensions Authority
Capital Calls and Distributions
For the quarter ending December 31, 2022

Insurance Funds Managers	Total Insurance Funds Commitments	Kentucky Employees Retirement System					Kentucky Employees Hazardous Retirement System					State Police Employees Retirement System				
		Commitment	Beginning Valuation	Period Contributions	Period Distributions	Ending Valuation	Commitment	Beginning Valuation	Period Contributions	Period Distributions	Ending Valuation	Commitment	Beginning Valuation	Period Contributions	Period Distributions	Ending Valuation
Adams Street SPC II A1	75,000,000	13,190,205	10,445,521	4,974,968	5,048,479	10,372,009	7,095,858	5,619,316	2,676,354	2,715,901	5,579,770	2,740,996	2,170,636	1,033,825	1,049,101	2,155,360
Adams Street SPC II B1	75,000,000	13,190,205	8,470,713	3,045,364	2,186,923	9,329,154	7,095,858	4,556,940	1,638,297	1,176,486	5,018,751	2,740,996	1,760,260	632,843	454,455	1,938,649
AMERRA Agri Fund II, LP	16,200,000	2,153,555	1,259,404	0	0	1,259,404	1,746,327	1,021,256	0	0	1,021,256	656,373	383,848	0	0	383,848
AMERRA-KRS Agri Holding Company, LP	35,000,000	4,652,745	2,619,600	290,044	42,938	2,866,706	3,772,929	2,124,244	235,198	34,819	2,324,623	1,418,089	798,416	88,401	13,087	873,731
Arcano KRS Fund I, L.P.	4,000,000	903,884	371,263	0	0	371,263	430,530	176,837	0	0	176,837	191,459	78,640	0	0	78,640
Ares Special Situations Fund IV, L.P.	13,808,000	0	0	0	0	0	1,038,363	801,435	0	34,269	767,166	646,214	498,764	0	21,327	477,437
Barings Euro Real Estate II	68,037,188	9,661,282	1,915,997	189,849	0	2,296,198	7,225,547	1,432,950	141,986	0	1,717,296	2,762,312	547,814	54,281	0	686,519
Barings Real Estate European Value Add I SCSp	48,026,250	6,819,728	2,750,969	112,617	186,944	2,922,402	5,100,386	2,057,414	84,225	139,813	2,185,627	1,949,867	786,545	32,199	53,450	835,561
Bay Hills Capital I, L.P.	7,500,000	1,694,783	126,646	0	0	126,646	807,244	60,323	0	0	60,323	358,986	26,826	0	0	26,826
Bay Hills Capital III, L.P.	48,750,000	0	0	0	0	0	3,666,009	3,130,180	0	0	3,130,180	2,281,498	1,948,031	0	0	1,948,031
Bay Hills Emerging Partners II LP	5,000,000	1,129,855	2,264,446	0	0	2,264,446	538,163	1,078,581	0	0	1,078,581	239,324	479,652	0	0	479,652
Bay Hills Emerging Partners II-B LP	5,000,000	910,000	1,247,741	0	0	1,247,741	555,000	760,985	0	0	760,985	215,000	294,796	0	0	294,796
BDCM Opportunity Fund IV, L.P.	24,420,000	0	0	0	0	0	1,836,387	2,675,900	5,723	156,738	2,519,163	1,142,854	1,665,316	3,561	97,544	1,567,772
Blackstone Capital Partners V, L.P.	12,414,403	2,805,296	10,682	0	0	10,682	1,336,194	5,088	0	0	5,088	594,214	2,263	0	0	2,263
Blackstone Capital Partners VI, L.P.	40,000,000	0	0	0	0	0	3,360,001	1,421,370	0	170,265	1,251,106	1,599,998	676,842	0	81,078	595,764
Blue Torch Credit Opportunities Fund II LP	60,000,000	10,726,688	10,143,940	0	0	10,143,940	5,638,524	5,332,201	0	0	5,332,201	2,184,246	2,065,582	0	0	2,065,582
BSP Co-Invest Vehicle K LP	0	0	2,973,167	0	59,075	2,914,092	0	1,795,326	0	35,672	1,759,654	0	646,360	0	12,843	633,518
BSP Private Credit Fund	50,000,000	8,493,880	8,049,544	0	291,595	7,757,949	5,128,971	4,860,662	0	176,077	4,684,584	1,846,552	1,749,954	0	63,392	1,686,519
BTG Pactual Brazil Timberland Fund I	15,500,000	2,391,768	1,947,364	0	208,845	1,738,519	1,621,536	1,320,245	0	141,590	1,178,655	615,184	500,880	0	53,717	447,163
Camelot Opportunities Fund, L.P.	2,600,000	587,525	192,869	0	0	192,869	279,845	91,866	0	0	91,866	124,449	40,853	0	0	40,853
Cerberus KRS Levered Loan Opportunities Fund, L.P.	60,000,000	10,192,656	10,874,730	1,824,485	0	12,966,507	6,154,765	6,566,631	1,101,703	0	7,829,736	2,215,862	2,364,144	396,639	0	2,818,892
Columbia Capital Equity Partners IV, L.P.	3,000,000	677,913	71,961	0	0	71,961	322,898	34,276	0	0	34,276	143,595	15,243	0	0	15,243
Crestview Partners II, L.P.	7,500,000	1,694,783	820,133	1,622	75,981	745,773	807,244	390,639	772	36,191	355,220	358,986	173,719	344	16,094	157,969
Crestview Partners III, L.P.	21,000,000	0	0	0	0	0	1,579,203	1,550,977	3,268	46,668	1,507,577	982,799	965,233	2,034	29,043	938,224
CS Adjacent Investment Partners Parallel LP	60,000,000	10,192,656	5,687,972	991,019	1,783,618	4,895,373	6,154,765	3,434,643	598,420	1,077,026	2,956,037	2,215,862	1,236,553	215,445	387,755	1,064,244
CVC European Equity Partners VI, L.P.	12,913,938	0	0	0	0	0	971,130	1,080,434	8,666	116,903	1,067,047	604,372	672,396	5,393	72,754	664,064
DAG Ventures II, L.P.	3,000,000	677,913	48,351	0	0	48,351	322,898	23,030	0	0	23,030	143,595	10,242	0	0	10,242
DAG Ventures III, L.P.	3,000,000	677,913	9,178	0	0	9,178	322,898	4,372	0	0	4,372	143,595	1,944	0	0	1,944
DAG Ventures IV, L.P.	10,000,000	2,259,711	977,271	0	0	977,271	1,076,326	465,485	0	0	465,485	478,649	207,004	0	0	207,004
DAG Ventures V, L.P.	7,000,000	0	0	0	0	0	588,000	3,321	0	0	3,321	280,000	1,581	0	0	1,581
DCM VI, L.P.	1,500,000	338,957	158,823	0	33,896	124,927	161,449	75,649	0	16,145	59,504	71,797	33,642	0	7,180	26,462
DivcoWest Fund IV	9,200,000	1,303,635	86,925	0	0	86,925	977,043	65,148	0	0	65,148	368,004	24,538	0	0	24,538
Essex Woodlands Fund VIII, L.P.	5,000,000	1,129,855	-86,797	0	0	-86,797	538,163	-41,342	0	0	-41,342	239,324	-18,385	0	0	-18,385
Fundamental Partners III LP	30,000,000	4,260,001	3,893,938	0	85,801	3,808,138	3,185,999	2,912,226	0	64,169	2,848,057	1,218,001	1,113,338	0	24,532	1,088,806
Green Equity Investors V, L.P.	10,000,000	2,259,711	71,794	0	23,980	47,814	1,076,326	34,196	0	11,422	22,774	478,649	15,207	0	5,079	10,128
Green Equity Investors VI, L.P.	28,000,000	0	0	0	0	0	2,352,000	2,401,920	0	27,571	2,374,349	1,119,999	1,143,770	0	13,129	1,130,641
Green Equity Investors VII LP	25,000,000	4,550,000	6,721,059	0	813,995	5,907,064	2,775,000	4,099,107	0	496,447	3,602,660	1,075,001	1,587,943	0	192,318	1,395,626
Greenfield Acquisition Partners VI, L.P.	16,700,000	2,367,209	3,517	0	0	3,517	1,774,156	2,636	0	0	2,636	667,811	992	0	0	992
Greenfield Acquisition Partners VII, L.P.	12,200,000	1,729,339	243,179	0	7,235	235,944	1,296,093	182,256	0	5,422	176,834	487,855	68,602	0	2,041	66,561
GTCR Fund IX-A, L.P.	7,000,000	1,581,797	0	0	0	0	753,428	0	0	0	0	335,054	0	0	0	0
H.I.G. BioVentures II, L.P.	11,500,000	0	0	0	0	0	966,000	673,863	0	0	673,863	459,999	320,887	0	0	320,887
H.I.G. Capital Partner V, L.P.	6,900,000	0	0	0	0	0	518,881	502,628	3,081	69,811	435,898	322,920	312,805	1,917	43,446	271,276
H.I.G. Ventures II, L.P.	2,000,000	451,942	75,061	0	0	75,061	215,265	35,753	0	0	35,753	95,730	15,899	0	0	15,899
H&F Spock I LP	1,794,672	405,544	874,572	0	0	874,572	193,165	416,569	0	0	416,569	85,902	185,251	0	0	185,251
Harvest Partners V, L.P.	4,000,000	903,884	-4,397	0	0	-4,397	430,530	-2,094	0	0	-2,094	191,459	-931	0	0	-931
Harvest Partners VI, L.P.	11,600,000	0	0	0	0	0	872,320	266,472	0	0	266,472	542,879	165,836	0	0	165,836
Harvest Partners VII LP	20,000,000	3,640,000	5,492,431	8,191	0	5,500,622	2,220,000	3,349,780	4,996	0	3,354,775	860,001	1,297,663	1,935	0	1,299,598
Hellman and Friedman Capital Partners VI, L.P.	7,500,000	1,694,783	26	0	0	26	807,244	12	0	0	12	358,986	5	0	0	5
Horsley Bridge International Fund V, L.P.	5,000,000	1,129,855	2,604,956	0	63,017	2,541,939	538,163	1,240,770	0	30,016	1,210,754	239,324	551,778	0	13,348	538,430
IFM US Infrastructure Debt Fund	30,000,000	5,109,247	4,341,115	519,303	144,736	4,715,682	2,874,861	2,442,650	292,201	81,440	2,653,411	968,545	822,932	98,443	27,437	893,938
Institutional Venture Partners XII, L.P.	3,000,000	677,913	8,660	0	0	8,660	322,898	4,125	0	0	4,125	143,595	1,834	0	0	1,834
Kayne Anderson Energy Fund VII LP	50,000,000	9,100,000	5,034,761	0	0	5,034,761	5,550,000	3,070,651	0	0	3,070,651	2,150,001	1,189,532	0	0	1,189,532
KCP IV Co-Invest	8,687,415	0	0	0	0	0	653,295	156,793	0	0	170,814	406,570	97,579	0	0	106,304
Keyhaven Capital Partners Fund III, L.P.	2,988,300	675,269	244,856	0	0	266,751	321,638	116,628	0	0	127,057	143,035	51,865	0	0	56,503
Keyhaven Capital Partners IV LP	8,687,415	0	0	0	0	0	653,295	505,878	24,471	26,334	550,033	406,570	314,828	15,229	16,389	342,307
Levine Leichtman Capital Partners V, L.P.	24,000,000	0	0	0	0	0	1,804,804	857,646	0	7,593	850,053	1,123,199	533,746	0	4,725	529,021
Levine Leichtman Capital Partners VI LP	37,500,000	6,824,999	7,275,097	0	15,381	7,259,716	4,162,518	4,437,030	0	9,381	4,427,649	1,612,494	1,718,835	0	3,634	1,715,202
Lubert Adler VII	15,250,000	2,160,925	1,289,967	0	0	1,289,967	1,619,550	966,793	0	0	966,793	610,001	364,141	0	0	364,141
Lubert-Adler Real Estate Fund VII-B LP	15,750,000	2,236,500	679,043	0	110,230	568,813	1,672,649	507,848	0	82,440	425,408	639,451	19			

KPPA Board Meeting - Investment Department Update

Kentucky Public Pensions Authority
Capital Calls and Distributions
For the quarter ending December 31, 2022

Insurance Funds Managers	Total Insurance Funds Commitments	Kentucky Employees Retirement System					Kentucky Employees Hazardous Retirement System					State Police Employees Retirement System				
		Commitment	Beginning Valuation	Period Contributions	Period Distributions	Ending Valuation	Commitment	Beginning Valuation	Period Contributions	Period Distributions	Ending Valuation	Commitment	Beginning Valuation	Period Contributions	Period Distributions	Ending Valuation
MatlinPatterson Global Opportunities Partners	5,000,000	1,129,855	0	0	0	0	538,163	0	0	0	0	239,324	0	0	0	0
MatlinPatterson Global Opportunities Partners II	5,000,000	1,129,855	21,787	0	0	21,787	538,163	10,377	0	0	10,377	239,324	4,615	0	0	4,615
MatlinPatterson Global Opportunities Partners III	5,000,000	1,129,855	2,638	0	0	2,638	538,163	1,257	0	0	1,257	239,324	558	0	0	558
Merit Mezzanine Fund IV, L.P.	3,000,000	677,913	7,110	0	0	7,110	322,898	3,387	0	0	3,387	143,595	1,506	0	0	1,506
Mesa West Core Lending Fund, LP	29,600,000	3,759,201	5,801,855	0	0	5,801,855	3,223,440	4,974,976	0	0	4,974,976	1,207,680	1,863,902	0	0	1,863,902
Mesa West Real Estate Income Fund IV LP	14,000,000	1,988,001	554,621	463,867	8,685	1,009,802	1,486,800	414,794	346,920	6,496	755,218	568,400	158,575	132,627	2,483	288,718
MiddleGround Partners I LP	25,000,000	17,500,000	23,675,490	1,433,898	695,223	24,217,065	1,250,000	1,691,107	102,421	49,659	1,729,791	500,000	676,443	40,969	19,864	691,916
MiddleGround Partners II LP	25,000,000	4,796,517	3,153,478	340,060	0	3,493,537	2,260,759	1,486,339	160,281	0	1,646,621	885,701	582,306	62,794	0	645,100
MiddleGround Partners II-X LP	12,500,000	2,398,258	1,458,235	181,405	0	1,639,640	1,130,379	687,315	85,502	0	772,817	442,851	269,271	33,497	0	302,768
Mill Road Capital I, L.P.	3,000,000	677,913	91,671	0	0	91,671	322,898	43,664	0	0	43,664	143,595	19,418	0	0	19,418
New Mountain Partners II, L.P.	5,000,000	1,129,855	6,414	0	6,405	9	538,163	3,055	0	3,051	4	239,324	1,359	0	1,357	2
New Mountain Partners III, L.P.	7,186,045	1,623,838	72,093	0	14,957	57,136	773,453	34,339	0	7,124	27,215	343,959	15,271	0	3,168	12,103
New Mountain Partners IV, L.P.	17,200,000	0	0	0	0	0	1,293,443	425,216	1,620	14,771	412,065	804,959	264,628	1,008	9,193	256,444
New State Capital Partners Fund III LP	7,500,000	1,438,955	249,929	47,686	0	297,615	678,228	117,800	22,476	0	140,276	265,710	46,151	8,805	0	54,956
Oak Hill Capital Partners II, L.P.	7,500,000	1,694,783	4,291	0	0	4,291	807,244	2,044	0	0	2,044	358,986	909	0	0	909
Oak Hill Capital Partners III, L.P.	12,500,000	2,824,638	67,873	1,246	61,024	8,095	1,345,407	32,329	593	29,067	3,856	598,311	14,377	264	12,926	1,715
Oberland Capital Healthcare LP	15,500,000	5,951,995	1,305,064	0	157,553	1,147,511	1,681,752	368,749	0	44,517	324,232	393,703	86,325	0	10,422	75,904
Patron Capital V LP	14,941,500	2,121,693	1,026,654	0	0	1,118,457	1,586,787	767,821	0	0	836,479	606,625	293,536	0	0	319,784
Riverside Capital Appreciation Fund VI, L.P.	18,712,500	0	0	0	0	0	1,396,123	390,428	0	0	390,428	862,056	241,075	0	0	241,075
Rubenstein Properties Fund II	9,200,000	1,303,637	906,859	0	0	906,859	977,044	679,669	0	0	679,669	368,003	255,997	0	0	255,997
Secondary Opportunities Fund III, L.P.	75,000,000	10,548,299	3,075,996	0	318,912	2,757,084	8,756,849	2,553,591	0	264,750	2,288,840	1,960,724	571,768	0	59,280	512,488
Strategic Value Special Situations Fund IV LP	21,700,000	8,332,800	10,148,251	0	7,306	10,140,945	2,354,450	2,867,409	0	2,064	2,865,344	551,180	671,264	0	483	670,781
Strategic Value Special Situations Fund V LP	30,000,000	5,755,820	1,958,657	429,528	0	2,388,185	2,712,910	923,180	202,451	0	1,125,631	1,062,842	361,676	79,315	0	440,990
Taurus Mining Finance Fund LLC	19,900,000	0	0	0	0	0	1,496,479	132,932	0	7,890	125,042	931,319	82,729	0	4,910	77,819
Tenaska Power Fund II, L.P.	3,000,000	588,919	1,812	0	0	1,812	316,438	974	0	0	974	137,845	424	0	0	424
Triton Fund IV, L.P.	13,814,484	0	0	0	0	0	1,038,852	709,962	0	0	773,447	646,517	441,837	0	0	481,346
VantagePoint Venture Partners 2006, L.P.	3,000,000	677,913	174,459	0	19,967	154,492	322,898	83,097	0	9,511	73,586	143,595	36,954	0	4,229	32,724
VantagePoint Venture Partners IV, L.P.	4,000,000	903,884	1,495	0	0	1,495	430,530	712	0	0	712	191,459	317	0	0	317
Vista Equity Partners III, L.P.	5,000,000	1,129,855	83,457	0	0	83,457	538,163	39,752	0	0	39,752	239,324	17,678	0	0	17,678
Vista Equity Partners IV, L.P.	23,000,000	0	0	0	0	0	1,932,000	1,344,611	0	0	1,344,611	919,999	640,290	0	0	640,290
Vista Equity Partners V LP	25,000,000	4,550,000	6,010,441	0	76,802	5,933,639	2,775,000	3,665,709	0	46,841	3,618,868	1,075,001	1,420,050	0	18,146	1,401,905
Walton Street Real Estate Fund VI, LP	4,000,000	754,575	305,825	0	0	305,825	431,496	174,883	0	0	174,883	184,453	74,758	0	0	74,758
Walton Street Real Estate Fund VII, LP	16,755,000	2,375,001	572,437	0	0	572,437	1,780,001	429,027	0	0	429,027	669,998	161,487	0	0	161,487
Warburg, Pincus Private Equity IX, L.P.	10,000,000	2,259,711	5,379	0	4,519	860	1,076,326	2,562	0	2,153	410	478,649	1,139	0	957	182
Warburg, Pincus Private Equity X, L.P.	7,500,000	1,694,783	37,481	0	0	37,481	807,244	17,852	0	0	17,852	358,986	7,939	0	0	7,939
Wayzata Opportunities Fund II, L.P.	7,500,000	1,694,783	37	0	0	37	807,244	17	0	0	17	358,986	8	0	0	8
Wayzata Opportunities Fund III, L.P.	18,712,500	0	0	0	0	0	1,396,123	215,881	0	37,769	178,112	862,056	133,299	0	23,321	109,978
White Oak Yield Spectrum Parallel Fund LP	50,000,000	8,493,880	11,418,033	0	465,256	10,952,777	5,128,971	6,894,700	0	280,941	6,613,759	1,846,552	2,482,257	0	101,146	2,381,111

Kentucky Public Pensions Authority

Internal Asset Holdings Report & Internal Asset Transaction Report

Quarter Ending: December 31, 2022

Reports can be found:

<https://kyret.ky.gov/Investments/Investments-Library/Pages/Internal-Reports.aspx>

Kentucky Public Pensions Authority

Commissions Report

Quarter Ending: December 31, 2022

Reports can be found:

<https://kyret.ky.gov/Investments/Investments-Library/Pages/Commissions-Reports.aspx>



KENTUCKY PUBLIC PENSIONS AUTHORITY

David L. Eager, Executive Director

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To: Kentucky Public Pensions Authority

From: Kristen N. Coffey, CICA *KNC*
Division Director, Internal Audit Administration

Date: March 14, 2023

Subject: Election Vendor Request for Proposal

The contract for election vendor services expires in August 2023. The next election for the County Employees Retirement System (CERS) will begin in early 2024, and voting will open in January 2025. Kentucky Revised Statutes 78.782 Section 4 (e)(g) requires the board's contracted firm to receive ballots and tabulate the results. During past elections, the contracted firm has also assisted in preparing and mailing the ballots.

Previously, it has been determined that the contracted election vendor would be obtained by Kentucky Public Pensions Authority, rather than the individual boards of CERS and Kentucky Retirement Systems. To ensure a new contracted vendor is in place prior to the start of the next election cycle, KPPA staff have started working on a Request for Proposal (RFP) for an election vendor. The estimated posting date of the RFP is August or September 2023, with an estimated award date of January 2024. This will allow the selected vendor to be a part of each step of the CERS election. The goal is for the selected vendor to assist in developing promotional ideas for the election in an effort to increase voter turnout.

The initial contract would be effective from the awarded date through June 30, 2025, with an option to renew for two additional one-year periods (July 1, 2025 – June 30, 2026 and July 1, 2026 to June 30, 2027). The renewal periods cover the next elections for the Kentucky Employees Retirement System and State Police Retirement System, which also require the board to have a contract firm to receive ballots and tabulate results (Kentucky Revised Statutes 61.645 Section 4(e)(g)).

This memorandum is for informational purposes only. No action is required of the Board.



KENTUCKY PUBLIC PENSIONS AUTHORITY

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MEMORANDUM

TO: Kentucky Public Pensions Authority Board Members

FROM: Erin Surratt
Executive Director, Office of Benefits

DATE: March 14, 2023

RE: Managed Medical Review Organization, Inc. (MMRO) Cost Analysis

KPPA (then Kentucky Retirement Systems) issued a Request for Information (RFI) in January 2019 to explore the option of outsourcing the disability review process due to many administrative burdens staff faced with the antiquated process in place. After a thorough review of the responses submitted, it was decided that it would be beneficial to move forward with issuing a Request for Proposal (RFP) which was posted in October 2019. After the RFP process under the requirements of 45A took place and a detailed evaluation of the feasibility of the cost was performed by KPPA Executive staff, a two-year contract was awarded to MMRO on August 17, 2020.

Following budget conversations during various board and committee meetings regarding concerns about the cost of outsourcing the disability review process, KPPA Executive staff advised that a comprehensive review of services provided by MMRO would be re-evaluated to ensure that the cost of the services is still valid. Due to State Executive Branch offices being closed when the MMRO contract began, all implementation of the services was conducted remotely. MMRO began receiving new disability applications to review in November of 2020, however, medical examiners still under Personal Service Contracts (PSC) with KPPA continued to perform periodic reviews and any new disability applications already assigned to them through the duration of their contract which ended on June 30, 2021. Due to a backlog of periodic reviews that were not completed as expected by the medical examiners on a PSC, MMRO agreed to take on these additional reviews that were not a part of the original contract. The following cost analysis information compares the cost in fiscal year 2020 vs fiscal year 2022, the last year the disability process was fully performed by medical examiners on PSCs and the first year the process was fully performed by MMRO, respectively.

*This is being presented for informational purposes only. No action is required by the Board.



MMRO COST-BENEFIT ANALYSIS

MAJOR FUNCTIONS TO BE OUTSOURCED:	PRE-MMRO CHALLENGES:	BENEFITS OF MMRO IMPLEMENTATION:
<p>Gathering appropriate medical records from the member and compiling them in a logical order</p>	<p>No medical expertise onsite at KPPA</p> <p>Medical record requests required IT and Disability staff to spend a significant amount of time copying files and/or formatting files from one physician to another</p> <p>Medical Examiners (ME) complained the records were presented in an illogical order, requiring additional time to review</p>	<p>MMRO Claim Liaison (CL) conducts outreach to applicant within 2 business days of claim request</p> <p>MMRO assumes a large portion of the requests to copy medical records, format digital records, and/or mailing them to the KPPA member in a timely manner</p> <p>MMRO contract includes Nurse Case Managers (NCM) who are Registered Nurses. NCMs review disability applications and records within 5 days receipt of the claim from the CL</p> <p>NCMs compile and organize claim file in a logical order for ME review</p> <p>NCMs refer claim file to MEs within 1 business day of determination that the claim file is complete</p>
<p>Contracts with Medical Examiners</p>	<p>Request for Proposal (RFP) returned little interest – Physicians complained the 45(a) process was “tedious and under compensated.”</p> <p>Each ME hired required a significant amount of training and ongoing support by KPPA’s IT, Disability and Legal staff before working independently</p>	<p>MMRO retains qualified MEs on staff with a variety of specializations:</p> <ul style="list-style-type: none"> • Must be licensed in Kentucky • Board Certified • A minimum of 5 years of full-time experience with direct clinical care to patients • No history of sanctions or disciplinary actions <p>MMRO employs full-time MEs under the direction of their own Personnel policies and is responsible for training</p>
<p>Medical Examiner Review</p>	<p>Large backlog due to difficulty in contracting & retaining MEs (45a exacerbated the issue)</p> <p>Contracted MEs did not necessarily specialize in the ailment or condition under review</p> <p>Lack of MEs with specialization raised issues in defending appeal decisions</p> <p>Difficult to monitor ME approve/deny ratio</p>	<p>ME decision time reduced from 4 months to 3-4 weeks</p> <p>MMRO ME must file the decision within 5 business days of receiving the claim</p> <p>MMRO provides a quality assurance review of ME reports by a Clinical Nurse Reviewer which is completed within 1 day of receiving the report</p> <p>MMRO has specialists on staff to review medical records that align with their medical expertise. This is invaluable to both the members in making determinations and the Legal team in defending disability appeals</p> <p>MMRO assisted with the effort to reduce backlog of existing applications and periodic reviews that had not yet been assigned to a KPPA ME</p>



MMRO COST-BENEFIT ANALYSIS

MAJOR FUNCTIONS TO BE OUTSOURCED	PRE-MMRO CHALLENGES	BENEFITS OF MMRO IMPLEMENTATION
Medical Examiner IT Equipment/Software	<p>Cost of laptops</p> <p>Security risk was a concern due to part-time employees with access to KPPA’s network</p> <p>IT support for MEs was labor intensive</p> <p>Special software was required for transcription of the MEs dictations</p>	<p>All equipment and software are maintained by MMRO</p>
Medical Examiner Compensation	<p>Manual process with inconsistent reporting</p> <p>Inconsistent compensation for MEs</p>	<p>MMRO hires, negotiates compensation, and outlines the MEs onboarding process for new hires. Personnel matters for the review team are assumed by MMRO and are no longer a burden to KPPA</p>
Periodic Review of Cases	<p>More MEs were needed to timely complete periodic reviews</p>	<p>MMRO collects medical records/forms and is responsible for conducting periodic reviews</p>
Record Retention and Storage	<p>Expensive</p> <p>Adds HIPAA compliance risk.</p> <p>Kentucky Revised Statute and KPPA’s Record Retention Policy requires multiple copies of large files</p>	<p>MMRO complies with HIPAA requirements, KRS and KPPA’s Record Retention Policy</p> <p>Records retained by MMRO will be transferred to KPPA if contract ceases</p>



MMRO COST-BENEFIT ANALYSIS FOR MEDICAL EXAMINER SERVICES

BUDGET AMOUNT – FY 2020	\$445,000
ACTUAL SPEND – FY 2020	\$250,000
MMRO ACTUAL SPEND – FY 2022	\$1,600,000

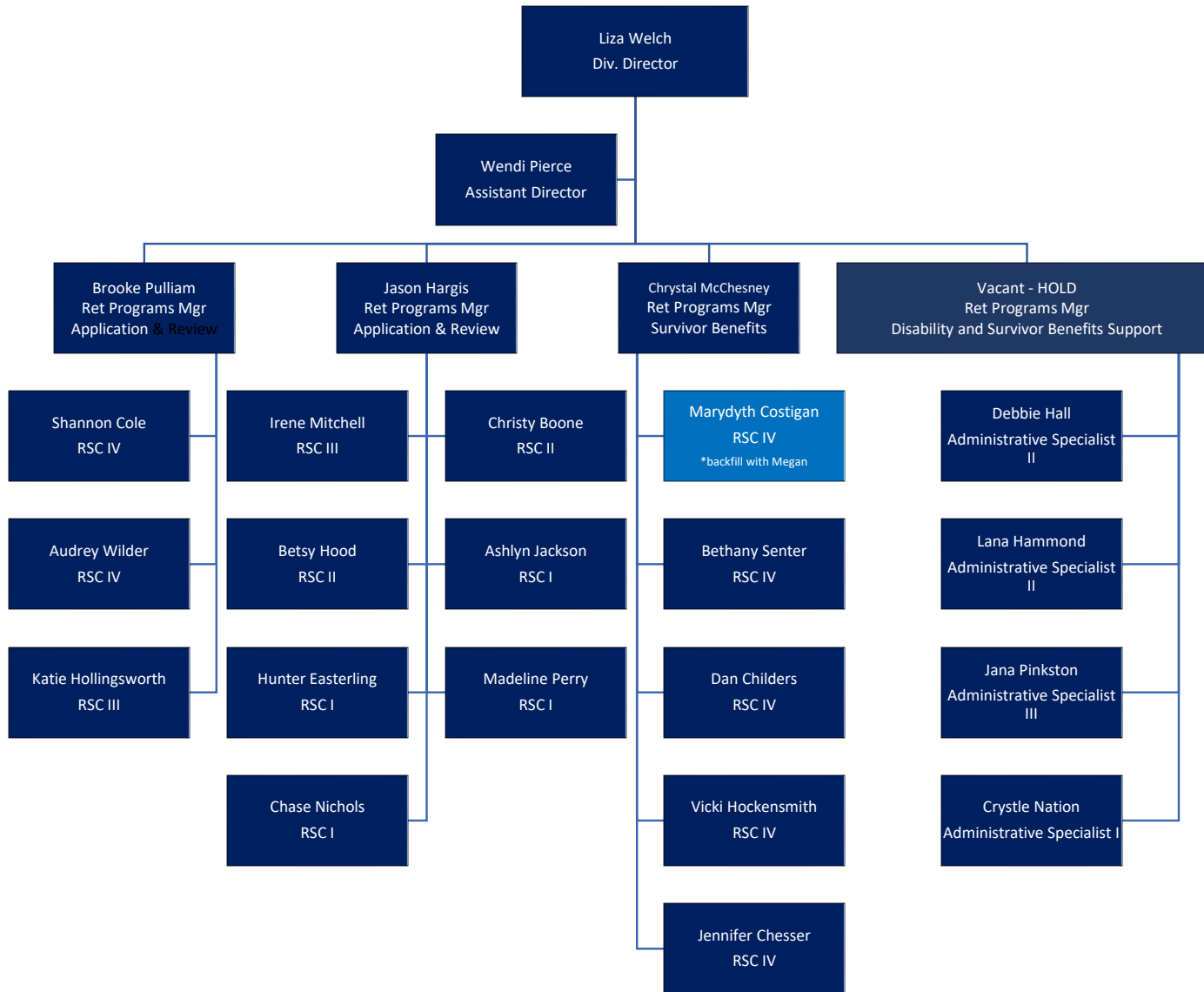
CURRENT COSTS		
ANNUAL		
	SALARY	FTE
RETIREMENT SYSTEM COUNSELOR IV	\$51,360	\$106,315
RETIREMENT SYSTEM COUNSELOR IV	\$51,360	\$106,315
RETIREMENT SYSTEM COUNSELOR IV	\$51,360	\$106,315
ADMINISTRATIVE SPECIALIST I (VACANT)	\$21,887	\$45,306
ADMINISTRATIVE SPECIALIST II	\$34,800	\$72,036
ADMINISTRATIVE SPECIALIST II	\$34,800	\$72,036
ADMINISTRATIVE SPECIALIST III	\$37,868	\$78,387
NURSE CONSULTANT (PROPOSED)	\$42,645	\$88,275
RETIREMENT PROGRAM MANAGER	\$56,484	\$116,922
RETIREMENT PROGRAM MANAGER (VACANT)	\$56,484	\$116,922
TOTAL PERSONNEL SAVINGS		\$908,829

		ANNUAL
PAYMENTS TO MEDICAL EXAMINERS & INDEPENDENT CONTRACTORS (INCLUDES TRAVEL)		\$250,000
FUSION		\$2,500
MEDSS CUSTOM PROGRAMMING		\$10,000
ME LAPTOPS (PGMS, CITRIX, ETC)		\$1,200
COMPUTER (IT) SUPPORT FOR MES	\$2,900	\$6,003
PROCUREMENT STAFF SUPPORT FOR MES	\$1,200	\$2,484
TOTAL ME SAVINGS		\$272,187

TOTAL SAVINGS		\$1,181,016
COST OF VENDOR AFTER SAVINGS		\$418,984

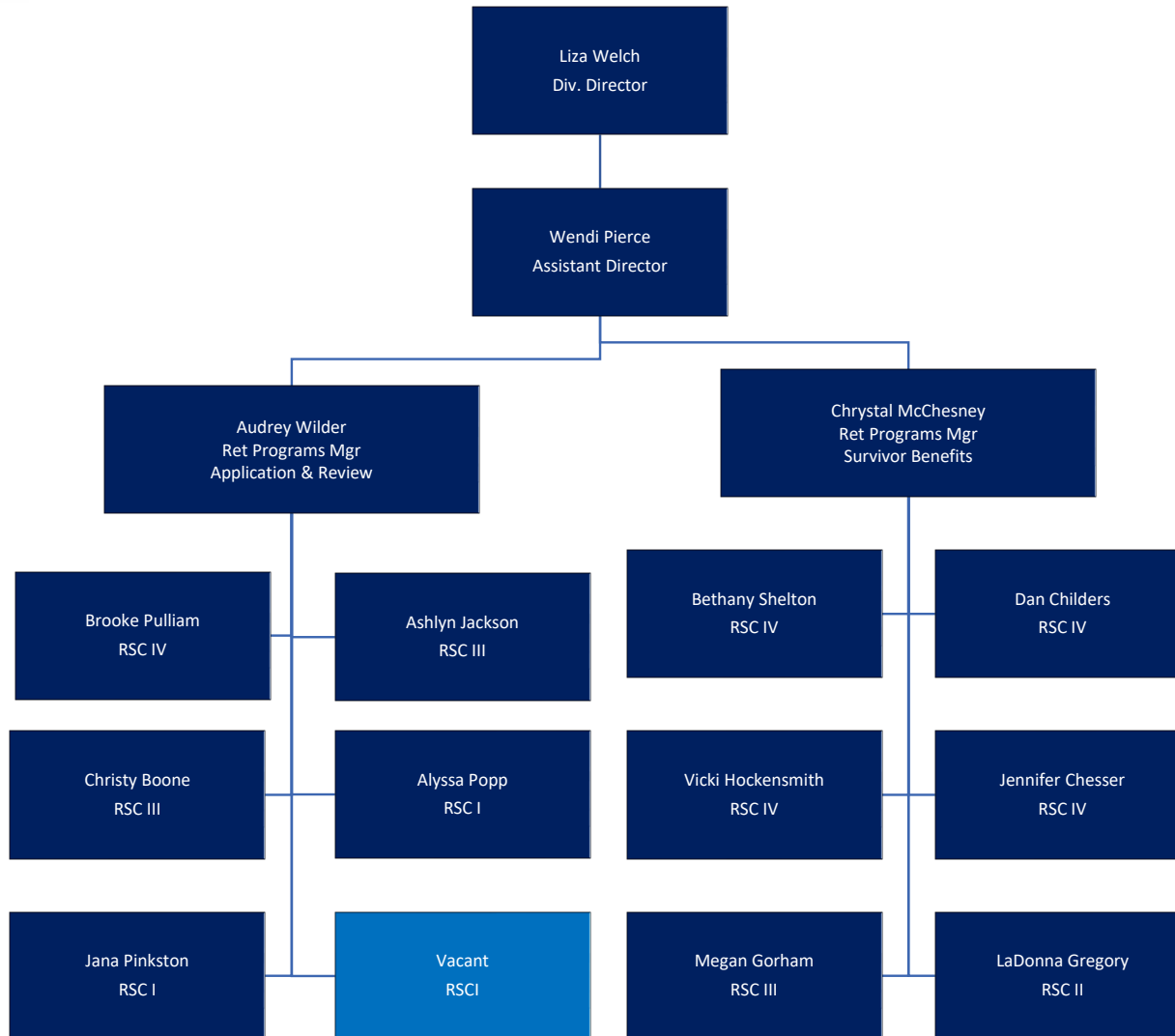


BENEFITS: DISABILITY AND SURVIVOR BENEFITS AS OF JUNE 2020





BENEFITS: DISABILITY AND SURVIVOR BENEFITS AS OF SEPTEMBER 2022





KENTUCKY PUBLIC PENSIONS AUTHORITY

David L. Eager, Executive Director

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To: Kentucky Public Pensions Authority Board Members
From: Rebecca H Adkins, Deputy Executive Director
Mike Lamb, CFO
Date: March 14, 2023
Subject: Budget Planning

There are several items related to administrative and investment budgets that require decisions from the KPPA Board prior to June 30, 2023.

- **FY2024 Administrative and Investment Budgets**
On March 24, 2022, and June 6, 2022, the KPPA Board agreed upon a hybrid percentage methodology to determine how to allocate administrative costs to the CERS and the KRS plans. At that time, the Board agreed to reevaluate the hybrid percentage annually.
- **FY2023 Separation Expenses**
KRS 61.505 11(a)(2) requires the KPPA Board to determine which costs are “attributable solely to establishing a separate County Employees Retirement System board and the Kentucky Public Pensions Authority”.
- **Biennial Budget Request for 2024–2026 (FY2025 and FY2026)**
KRS 61.505 11(b) requires that the KPPA Board “shall approve the biennial budget unit request prior to its submission by the Authority.”
- **Budget Policy**
The KPPA Board may want to create a Budget Policy.

In 2021, the Board defined a work group of one CERS trustee and one KRS trustee to work with staff and the KRS and CERS CEOs on budget items similar to items listed above for FY2023.

Recommendation for consideration:

Define a work group to make recommendations to the full KPPA Board regarding the budget planning items described in the memo



KENTUCKY PUBLIC PENSIONS AUTHORITY

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Kentucky Public Pensions Authority

To: Kentucky Public Pensions Authority

From: David Eager, Executive Director

Date: March 14, 2023

Subject: KPPA Update

I. STAFFING UPDATE: Staffing at KPPA is currently at 254 full-time employees, 1 part-time employee, and 7 interim employees for a total of 262, compared to a total of 261 total employees as of July 1, 2022. Since the last staffing update, KPPA is pleased to report the hiring of our new CFO, Michael Lamb, who began on January 9, 2023. The Office of Legal Services is happy to report the hiring of a new investigator, Stephanie Hold, who joined us on February 16, 2023. Since July 1, 2022, we have had 33 hires (9 of which are re-hires) and 32 employment separations, which include 8 retirements). Our HR Department is working hard to fill all open positions as quickly as possible, and we appreciate their efforts and the efforts of all KPPA staff who go above and beyond to take care of our members.

II. RETIREMENTS: The current retirement numbers for the month of March and Year to Date are as follows:

	March 2023	Year to Date	Year to Date Percentage Change
CERS	244	3960	2.70%
KERS	82	1386	-24.71%
SPRS	2	11	-75.00%
TOTALS	328	5357	-6.69%

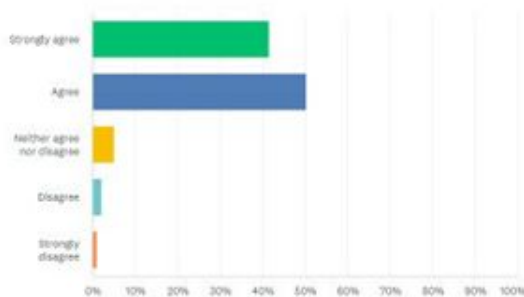
III. 2023 EMPLOYEE SURVEY: KPPA Executive Management Team recently sent out an employee survey to obtain important feedback. This effort resulted in 198 respondents with 31 rankings and opportunity to provide additional comments. The KPPA Executive Management Team has begun to review the findings from this survey. Some of the key findings from our staff are that job satisfaction is very high and morale appears to be good. There were many ideas and suggestions for improvements that have been submitted and the Executive Team will soon be reviewing those in more depth.



2023 KPPA Employee Survey

Overall I am satisfied with my job

Answered: 197 Skipped: 1



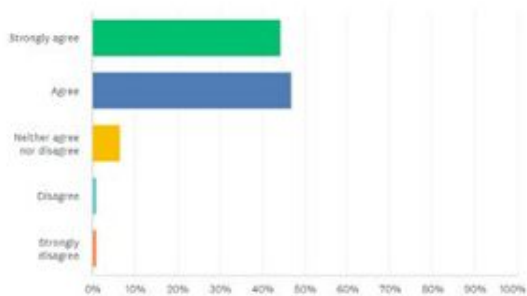
ANSWER CHOICES	RESPONSES	
Strongly agree	41.62%	82
Agree	50.25%	99
Neither agree nor disagree	5.08%	10
Disagree	2.02%	4
Strongly disagree	1.02%	2
TOTAL		197



2023 KPPA Employee Survey

I have been properly trained to do my job

Answered: 198 Skipped: 0



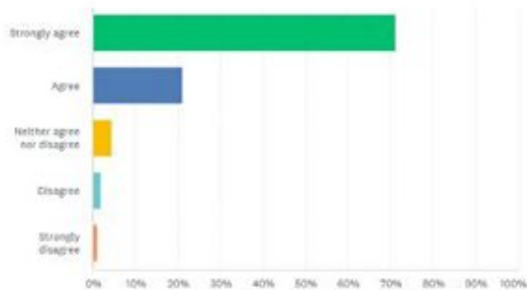
ANSWER CHOICES	RESPONSES	
Strongly agree	44.44%	88
Agree	46.97%	93
Neither agree nor disagree	6.57%	13
Disagree	1.01%	2
Strongly disagree	1.01%	2
TOTAL		198



2023 KPPA Employee Survey

My supervisor fully appreciates the value I bring

Answered: 198 Skipped: 0



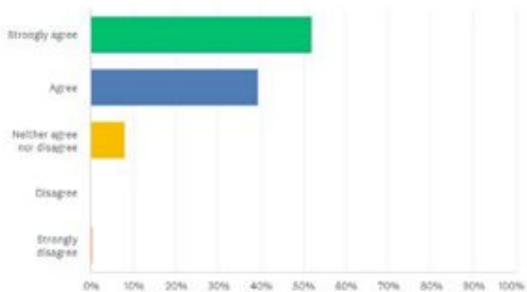
ANSWER CHOICES	RESPONSES
Strongly agree	71.21% 141
Agree	21.21% 42
Neither agree nor disagree	4.55% 9
Disagree	2.02% 4
Strongly disagree	1.01% 2
TOTAL	198



2023 KPPA Employee Survey

I am proud to be a KPPA employee

Answered: 198 Skipped: 0

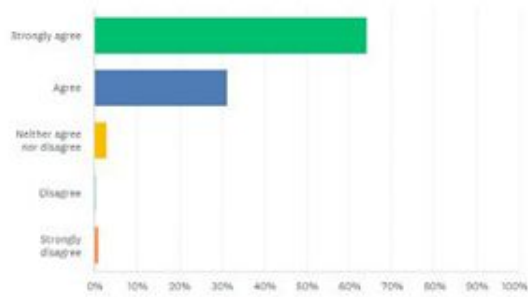


ANSWER CHOICES	RESPONSES
Strongly agree	52.02% 103
Agree	39.39% 78
Neither agree nor disagree	8.08% 16
Disagree	0.00% 0
Strongly disagree	0.51% 1
TOTAL	198

2023 KPPA Employee Survey

My co-workers treat me with respect

Answered: 198 Skipped: 0

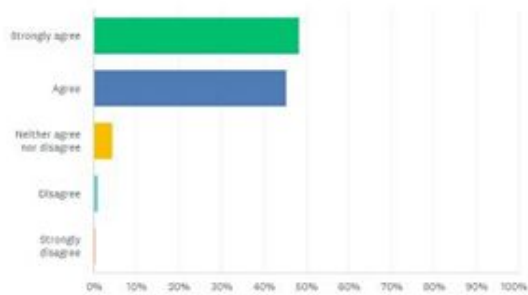


ANSWER CHOICES	RESPONSES
Strongly agree	64.14% 127
Agree	31.31% 62
Neither agree nor disagree	3.03% 6
Disagree	0.51% 1
Strongly disagree	1.01% 2
TOTAL	198

2023 KPPA Employee Survey

I feel like I am part of a team

Answered: 198 Skipped: 0



ANSWER CHOICES	RESPONSES
Strongly agree	48.48% 96
Agree	45.45% 90
Neither agree nor disagree	4.55% 9
Disagree	1.01% 2
Strongly disagree	0.51% 1
TOTAL	198

III. **INVALID ADDRESS PROJECT:** Staff has been working on a project to identify and notify members who have an invalid address in their account. An audit of accounts revealed that nearly 15,000 accounts had invalid addresses with the majority being accounts that are inactive. Our current vendor, LexisNexis, was utilized to obtain current addresses for these members. Generic letters along with change of address forms and prepaid envelopes will be mailed in three (3) waves. The first mailing occurred in mid-February and the last will go out mid-March. This mailing will result in an increased workload for staff in processing change of requests forms,

increased calls and, likely, an increase in refund requests. In an ongoing effort to help reduce the number of invalid addresses, additional programming will be implemented to send notification to members at the time that their account goes inactive advising them of their rights to benefits and the importance of keeping their contact information up to date.

IV. MILLIMAN ACTUARIAL AUDIT UPDATE: PPOB contracted with Milliman to conduct an audit on all the Kentucky state-administered retirement systems as of June 30, 2021. The full audit report, as well as the Key Findings and Recommendations for the Systems Administered by KPPA and the Response from KPPA, CERS, KRS and GRS have been presented to both the CERS and KRS Boards respectively. Those can be found in the latest Board material of the meetings held earlier this month. Overall, we are pleased with their findings and will further review the recommendations to determine if improvements can be made to our current actuarial processes.

V. LEGISLATIVE UPDATE: KPPA is currently tracking 24 bills and resolutions on the Daily List and 35 bills and resolutions on the Other Retirement-Related Legislation List. The 30-day, 2023 Regular Session of the Kentucky General Assembly is scheduled to adjourn *Sine Die* (a Latin phrase for “without a day” that means the official end of a legislative session) on Thursday, March 30.

Some notable bills and resolutions this Session include:

1. **Senate Joint Resolution 83** (sponsored by Senator Jimmy Higdon). SJR 83 would establish the “Public Pensions Administration Advisory Committee” of the Public Pensions Oversight Board (PPOB). This subcommittee would evaluate options for coordinating or consolidating actuarial, investment, or general administrative services among the state retirement plans. The subcommittee would also examine additional legislative or administrative action that might be needed to better define the roles of the KRS board, the CERS board, and the shared administrative roles of the KPPA.

CURRENT STATUS: Given 2nd reading and sent to the Senate Rules committee on March 2, 2023

2. **House Bill 49**, the KPPA housekeeping bill, sponsored by Rep James Tipton. House Bill 49 amends current statutes to permit voting by telephone in trustee elections; changes the name of KPPA’s Comprehensive Annual Financial Report (CAFR) to Annual Comprehensive Financial Report (ACFR) to conform to the national standard naming convention; and amends KRS 61.665 to streamline the disability retirement application review process.

CURRENT STATUS: Passed the full House 95-0 on February 28; was received by the Senate and sent to the Committee on Committees on March 1.

3. **House Bill 236**, sponsored by Representative Scott Sharp, concerns the fiduciary duties owed to the state-administered retirement systems. Specifically, HB 236 prohibits investments to be made based on “nonpecuniary” interests such as environmental, social, or governance (ESG) issues. The bill would also set guidelines for proxy voting procedures

and reporting requirements. Both the CERS and KRS boards responded to letters from State Treasurer Alison Ball regarding these issues.

CURRENT STATUS: Passed the full House 77-17 on March 2; was received by the Senate and sent to the Committee on Committees on March 3.

4. **House Bill 507**, sponsored by Representative David Hale, would establish a Partial Lump Sum Option (PLSO), with and without survivor benefits, as a retirement benefit payment option. The PLSO would become a retirement option effective January 1, 2024.

CURRENT STATUS: Posted for passage in the Consent Orders of the Day for Tuesday, March 7, 2023; and

5. **House Bill 587**, sponsored by Representative Russell Webber, would allow KPPA to contract for the services of an Internal Auditor to perform internal audit functions. The IA would not be subject to the hiring and employment provisions of KRS Chapter 18A or Chapter 45A; would be able to hire their own staff members; and would have an annual Performance Review.

CURRENT STATUS: Posted for passage in the Consent Orders of the Day for Tuesday, March 7, 2023.

Other noteworthy bills include:

1. **Senate Bill 148**, sponsored by Senator Johnnie Turner, would prohibit employees of public agencies and the Administrative Office of the Courts from engaging in telework unless the Governor declares an emergency. The bill picked up a floor amendment on February 22 that would permit telework under certain circumstances.
2. Along those same lines, **Senate Bill 253** and **Senate Bill 254** were introduced on February 21. **Senate Bill 253** would require the Personnel Cabinet to study the enhanced opportunities of allowing state employees to telework; while **Senate Bill 254** would allow the Personnel Cabinet Secretary to promulgate administrative regulations permitting telework to classified and unclassified employees. Both bills are sponsored by Senator Denise Harper Angel and were assigned to the Senate State and Local government committee on February 23.
3. Finally, **House Bill 90**, sponsored by Representative Derrick Graham, would allocate an additional \$100 million to the KERS Nonhazardous unfunded liability. The bill would also provide a 6% raise for state employees, allocate money for grade changes identified by the Personnel Cabinet's classification review process, and allocate money to convert all 37.5-hour per week state employees to 40-hour per week, effective July 2, 2023. The bill would also authorize a 1.5% increase in retirement benefit payments for retirees in the KERS Nonhazardous, KERS Hazardous, and SPRS systems who has retired as of July 1, 2022.

KPPA tracks legislation each day of the Session and posts summaries on the KPPA website.