TO: Members of the Board

FROM: William A. Thielen

Executive Director

DATE: February 24, 2015

SUBJECT: Affirmative Action Plan

Pursuant to Section 3.03 of the Kentucky Retirement Systems Personnel Policies, the Kentucky Retirement Systems has implemented an Affirmative Action Plan to promote and assure equitable treatment of all persons who are now employed, being considered for employment, seeking employment, and who will be recruited for employment in the future. The Kentucky Retirement Systems has already taken substantial steps towards fulfilling the requirements of the Affirmative Action Plan, as described in Section 3.03(3) of the Personnel Policy.

The Kentucky Retirement Systems provides periodic training to its leadership team to ensure compliance with federal and state laws. Such training covers harassment based on all legally protected categories (race, color, sex, religion, national origin, age, and disability), anti discrimination laws in general, and reasonable accommodation and inquiries under the ADA.

The Kentucky Retirement Systems continues to seek appropriate recruitment sources for females and minorities.

The current employment statistics for the Kentucky Retirement Systems show that as of December 31, 2014, there are 252 full-time employees. There are 154 female employees, representing 61.11 % of the staff, and 24 employees who are members of minority groups, representing approximately 9.52% of the staff. Females make up 58.82% of the leadership positions in the Kentucky Retirement Systems, while employees who are members of minority groups hold 5.88% of the leadership positions in the Kentucky Retirement Systems.

In order to establish clear long term-hiring goals for minorities and females, Kentucky Retirement Systems will follow the goals provided by the Commonwealth of Kentucky's Personnel Cabinet. The current goal for minority employment in State Government is 11.2% through December 31, 2014.

RECOMMENDATION: This memorandum is presented for informational purposes only.

OVERALL AND MINORITY FULL TIME EMPLOYMENT BY TYPE OF EMPLOYMENT AND DIVISION AS OF DECEMBER 31, 2014

KRS AREA/DIVISION			_			//PLOYME	_					_
	_	EADER				SIONAL		SUPPO		Takel	TOTAL	
	rotai	Minor.	<u>(%)</u>									
Executive Staff	5	0	0.0%	2	1	0.0%	3	0	0.0%	10	1	10.0%
Communications	1		0.0%		0	0.0%		0	0.0%	6	0	0.0%
Legal	3	1	33.3%	7	0	0.0%	6	0	0.0%	16	1	6.3%
Human Resources	1	0	0.0%		1	33.3%	0	0	0.0%	4	1	25.0%
Internal Audit	1	0	0.0%	2	1	50.0%	-	0	0.0%	3	1	33.3%
Information Security	1	0	0.0%	2	0	0.0%		0	0.0%	3	0	0.0%
Administration	12	1	8.3%	21	3	14.3%	9	0	0.0%	42	4	9.5%
Accounting	4	0	0.0%	11	0	0.0%	0	0	0.0%	15	0	0.0%
Disability & Death	5	0	0.0%	16	0	0.0%	4	0	0.0%	25	0	0.0%
Employer Reporting Compliance & Education	3	0	0.0%	17	1	5.9%	0	0	0.0%	20	1	5.0%
Information Technology	5	0	0.0%	27	5	18.5%	5	0	0.0%	37	5	13.5%
Investments	2	0	0.0%	1	0	0.0%	0	0	0.0%	3	0	0.0%
Member Services	7	0	0.0%	30	3	10.0%	2	0	0.0%	39	3	7.7%
Membership Support	4	1	25.0%	20	1	5.0%	5	1	20.0%	29	3	10.3%
Procurement & Office Services	4	1	25.0%	0	0	0.0%	11	4	36.4%	15	5	33.3%
Retiree Health Care	3	0	0.0%	15	1	6.7%	2	0	0.0%	20	1	5.0%
Retiree Services (Payroll)	2	0	0.0%	5	2	40.0%	0	0	0.0%	7	2	28.6%
TOTALS	51	3	5.88%	163	16	9.82%	38	5	13.16%	252	24	9.52%

OVERALL AND MINORITY (FEMALE) FULL TIME EMPLOYMENT BY TYPE OF EMPLOYMENT AND DIVISION AS OF DECEMBER 31, 2014

KRS AREA/DIVISION	L	EADER	SHIP	PF	KRS EN	//PLOYM		ATEGO SUPPO			TOTAI	S
	_	Female	<u>(%)</u>		Female	<u>(%)</u>		Female		Total	Female	
Executive Staff	5	2	40.0%		1	0.0%		3	100.0%		6	60.0%
Communications Legal	1	1 2	100.0% 66.7%		3 4	60.0% 57.1%	0 6	0 6	0.0% 100.0%	-	4 12	66.7% 75.0%
Human Resources	1	1	100.0%		3	100.0%	0	0	0.0%		4	100.0%
Internal Audit	1	1	100.0%		2	100.0%	0	0	0.0%		3	100.0%
Information Security	1	0	0.0%		1	50.0%	0	0	0.0%		1	33.3%
Administration	12	7	58.3%	21	14	66.7%	9	9	100.0%	42	30	71.4%
Accounting	4	3	75.0%	11	9	81.8%	0	0	0.0%	15	12	80.0%
Disability & Death	5	5	100.0%	16	14	87.5%	4	4	100.0%	25	23	92.0%
Employer Reporting Compliance & Education	3	2	66.7%	17	11	64.7%	0	0	0.0%	20	13	65.0%
compliance a Laddation		_	00.770	.,		01.770		Ŭ	0.070			00.070
Information Technology	5	1	20.0%	27	8	29.6%	5	1	20.0%	37	10	27.0%
Investments	2	0	0.0%	1	0	0.0%	0	0	0.0%	3	0	0.0%
Member Services	7	5	71.4%	30	16	53.3%	2	2	100.0%	39	23	59.0%
Membership Support	4	1	25.0%	20	9	45.0%	5	4	80.0%	29	14	48.3%
Procurement & Office												
Services	4	2	50.0%	0	0	0.0%	11	8	72.7%	15	10	66.7%
Retiree Health Care	3	3	100.0%	15	8	53.3%	2	2	100.0%	20	13	65.0%
Retiree Services (Payroll)	2	1	50.0%	5	5	100.0%	0	0	0.0%	7	6	85.7%
TOTALS	51	30	58.82%	163	94	57.67%	38	30	78.95%	252	154	61.11%

TO: Members of the Board

FROM: William A. Thielen, Esq.

Executive Director

DATE: February 24, 2015

SUBJECT: Quarterly Reports of the Audit Committee

The Audit Committee held its quarterly meeting on February 5, 2015. The purpose of the meeting was to review and discuss, among other miscellaneous audit related items, the following:

- ➤ Review of Quarterly Financial Statements 12/31/2014
- ➤ Review of Outstanding Invoices (Includes Employer Penalties/Waivers)
- Review of Management Follow up on Audit Findings and Recommendations Summary Dashboard
- Review of Fiscal Year End June 30, 2014, End of Year Audit Requirements
- Review of Management Follow up on Audit Findings and Recommendations Summary Dashboard
- ➤ Review of Internal Audit Budget 12/31/2014
- ➤ Review of Anonymous Reporting Spreadsheet
- > Review of Investment Compliance Report
- > State Police Employee Retirement System Board Election Memoranda
- > Status of Current Audits Memoranda
 - Update to the Annual Audit Plan
 - The Audit Committee approved the changes to the Annual Audit Plan.

Members of the Board February 19, 2015 Page 2 of 2

- ➤ Review of Actuarial Audit Request for Proposals
 - The Audit Committee approved the issuance of the Actuarial Audit Request for Proposals with a change which specifies that the audit report will be presented to the KRS Audit Committee.
- ➤ Review of KRS Administrative Structure, Costs Audit Request for Proposals

RECOMMENDATION: The Audit Committee requests that the Board ratify the actions taken by the Audit Committee.

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TO: Members of the Board

FROM: William A. Thielen

Executive Director

DATE: February 24, 2015

SUBJECT: Report of the KRS Retiree Health Plan Committee

The KRS Retiree Health Plan Committee (RHC) held a special meeting on January 22, 2015. The RHC reviewed a presentation by a representative from AON Hewitt regarding the Medicare Advantage Request for Proposal (RFP) time line and general and specific information about how the RFP would be created, reviewed and scored. The RHC approved a draft RFP with specific changes that have been redlined. The draft RFP with the changes approved by the RHC is being presented for approval by the Board at its February 24, 2015 meeting. The members of the RHC also requested that a second redline draft to capture additional recommendations from KRS Staff, KRS Health Insurance Consultant and Joe Cowles, Proxy for the Personnel Cabinet Secretary. This RFP solicits proposals to provide health insurance and related services to the KRS Medicare eligible members for the period January 1, 2016 through December 31, 2018 with options for three (3) one year renewals.

RECOMMENDATION: The Executive Director recommends that the Board ratify the RHC Committee action and to approve the issuance of the second redline draft RFP.

TO: Members of the Board

FROM: William A. Thielen

Executive Director

DATE: February 24, 2015

RE: Second Quarter Financial Highlights

PENSION FUND

• Total contributions for the period increased 17 percent over the prior year period reflecting higher employer rates for KERS, KHAZ, and SPRS. However, Plan Net Assets decreased from the prior year due to decline in the fair value of investment balances, lower investment income, and benefit payments.

• The Pension Fund Net Plan Assets decreased from \$11.7 billion in FY14 to \$11.6 billion in FY15. The asset decline of \$122.1 million was due to unfavorable market conditions in the first half of FY15 and the payment funding needs of KERS, KHAZ, and SPRS. The chart below shows the asset decline for KERS, KHAZ and SPRS. Both CERS and CHAZ assets increased from last year related to market performance during the period of July – September 2014 partially offset by Q2 market conditions.

	KENTUCKY RETIREMENT SYSTEMS												
	Net Position Comparison												
	KERS	KHAZ	CERS	CHAZ	SPRS								
NP as of													
12/31/2014	\$2,412,612,557	\$542,838,552	\$6,344,338,486	\$2,042,298,601	\$246,153,875	\$11,588,242,070							
NP as of													
12/31/2013	2,679,506,271	549,566,772	6,229,623,583	1,989,915,258	261,780,922	11,710,392,806							
12/31/2013	2,017,500,211	547,500,772	0,227,023,303	1,707,713,230	201,700,722	11,710,372,000							
Change in Net													
Position	(266,893,714)	(6,728,220)	114,714,903	52,383,343	(15,627,047)	(122,150,736)							

INSURANCE FUND

• Although lower employer contribution rates have decreased incoming contributions for the reporting period, they still exceed outgoing benefit payments across all plans. The net income from investing activities declined for the first half of the FY 15 compared to the prior year due to unfavorable market conditions especially during the current quarter.

• The Insurance Fund had an increase in overall Net Plan Assets. Assets rose from \$3.9 billion in FY14 to \$4.1 billion in FY15 as noted in the chart below. Although impacted by market conditions, the invested positive net cash flow increased overall asset growth as noted below.

	KENTUCKY RETIREMENT SYSTEMS													
Net Position Comparison														
	KERS	KHAZ	CERS	CHAZ	SPRS									
12/31/2014	\$647,347,713	\$428,344,662	\$1,863,676,602	\$1,024,499,736	\$161,983,505	\$4,125,852,218								
12/31/2013	593,962,195	406,599,599	1,770,985,216	974,041,070	155,744,165	3,901,332,245								
Change in														
Net Position	53,385,518	21,745,063	92,691,386	50,458,666	6,239,340	224,519,973								

Attached are the Combining Statements of Net Plan Position and Changes in Net Plan Position for both the Pension Fund and Insurance Fund. In addition, a chart showing the trends of Total Plan Net Position over the last five (5) fiscal years has been included. Please note the FY 2015 contains only activity through the current reporting period.

RECOMMENDATION: These reports are provided for informational purposes only. No action is required of the Board.

KENTUCKY RETIREMENT SYSTEMS COMBINING STATEMENTS OF NET PLAN POSITION PENSION FUNDS As of December 31, 2014

(Unaudited)(In Whole Dollars)

	KERS	CERS	SPRS	CHAZ	KHAZ	2014	2013		
ASSETS									
Cash and Short-term Investments Cash Deposits Short-term Investments	\$2,176,685 \$148,820,172	\$1,496,976 \$209,458,379	\$93,507 \$13,032,303	\$204,749 \$68,715,490	\$55,781 \$23,855,465	\$4,027,697 \$463,881,809	\$8,286,331 \$623,306,430		
Total Cash and Short-term Investments	\$150,996,856	\$210,955,355	\$13,125,810	\$68,920,239	\$23,911,245	\$467,909,506	\$631,592,760	-26%	
RECEIVABLES									
Accounts Receivable Accounts Receivable - Investments Accounts - Alternate Participation	\$61,863,664 \$157,819,722	\$43,080,585 \$363,354,435	\$3,342,381 \$13,075,948	\$15,876,791 \$120,042,189 \$107,629	\$5,524,211 \$31,287,257	\$129,687,632 \$685,579,551 \$107,629	\$107,137,686 \$570,315,083 \$113,526	21% 20% -5%	
Total Receivables	\$219,683,385	\$406,435,020	\$16,418,329	\$136,026,609	\$36,811,469	\$815,374,812	\$677,566,294	20%	
INVESTMENTS, AT FAIR VALUE									
Fixed Income Public Equities Private Equities Derivatives Absolute Return Real Estate		\$1,978,572 \$699,861,388	\$107,767,999 \$28,222,217 \$77,888 \$28,330,754	\$939,225,663 \$210,804,910 \$631,953		\$2,745,468,847 \$5,108,688,421 \$1,314,849,177 \$3,488,925 \$1,287,384,415 \$524,508,937	\$2,917,724,061 \$5,302,371,183 \$1,259,166,445 (\$660,404) \$1,253,456,799 \$364,155,978	-6% -4% 4% 628% 3% 44%	
Total Investments, at Fair Value						\$10.984.388.721		-1%	Ü
FIXED/INTANGIBLE ASSETS	ψ2,137,040,433	ψ0,000,200,001	Ψ223,774,312	ψ1,3 <i>01</i> ,301,313	ψ314,700,340	\$10,90 4 ,000,721	ψ11,030,21 4 ,003	-170	
Fixed Assets Intangible Assets Accumulated Depreciation Accumulated Amortization	\$821,864 \$5,559,575 (\$758,668) (\$2,334,503)	\$1,518,647 \$9,363,350 (\$1,400,453) (\$3,862,092)	\$8,782 \$91,632 (\$8,202) (\$44,951)	\$137,744 \$775,454 (\$126,887) (\$321,773)	\$82,214 \$464,278 (\$75,827) (\$185,314)	\$2,569,251 \$16,254,290 (\$2,370,037) (\$6,748,633)	\$6,949,965 \$16,254,290 (\$2,881,177) (\$4,797,294)	-63% 0% -18% 41%	8
Total Fixed Assets	\$3,288,267	\$5,619,452	\$47,261	\$464,538	\$285,352	\$9,704,871	\$15,525,783		
Total Assets	\$2,571,308,964	\$6,708,212,918	\$259,366,312	\$2,162,772,702	\$575,717,014	\$12,277,377,910	\$12,420,898,901		
LIABILITIES									
Accounts Payable Investment Accounts Payable	\$1,935,274 \$156,761,133	\$4,059,778 \$359,814,654	\$282,968 \$12,929,469	\$1,193,265 \$119,280,836	\$1,958,518 \$30,919,944	\$9,429,803 \$679,706,037	\$3,059,314 \$707,446,791	208% -4%	10 Credit Invoices
Total Liabilities	\$158,696,407	\$363,874,432	\$13,212,437	\$120,474,101	\$32,878,462	\$689,135,840	\$710,506,105		
Total Plan Net Assets	\$2,412,612,557	\$6,344,338,486	\$246,153,875	\$2,042,298,601	\$542,838,552	\$11,588,242,070	\$11,710,392,796		

- 1 Cash is being invested in longer term vehicles through New Managers and Capital Calls
- 2 Cash is being invested in longer term vehicles through New Managers and Capital Calls
- 3 Increase in Employer Contributions Rate for FY 2015
- 4 Variance is a result of transactions activity which is based on each individual manager
- 5 Derivatives include currency forwards/futures as permitted by KRS investment policy. As the USD experiences a downward trend, these derivatives will have an upward trend
- 6 Additional Funding has been placed in the Real Estate Asset class
- 7 In FY 2014 a review of the Fixed Asset Policy was done which resulted in an increase in the individual threshold from \$750 to \$3,000 per item. A clean up was done to remove any items that were below the
- 8 In FY 2014 a review of the Fixed Asset Policy was done which resulted in an increase in the individual threshold from \$750 to \$3,000 per item. A clean up was done to remove any items that were below the threshold.
- 9 In FY 2014 a review of the Fixed Asset Policy was done which resulted in an increase in the individual threshold from \$750 to \$3,000 per item. A clean up was done to remove any items that were below the
- ¹⁰ Credit Invoice are currently being reported as negative receivable. In previous fiscal years, we only made the correction to the General Ledger at year end. However, IT is now running this report monthly for Accounting.

KENTUCKY RETIREMENT SYSTEMS COMBINING STATEMENTS OF CHANGES IN NET POSITION PENSION FUNDS For the Six Months Ending December 31, 2014 (Unaudited)(In Whole Dollars)

	KERS	CERS	SPRS	CHAZ	KHAZ	2014	2013		
ADDITIONS									
Member Contributions Employer Contributions Pension Spiking Contributions Bank of America Settlement Health Insurance Contributions (HB1)	\$53,337,693 \$259,716,833 \$73,476 \$8,442,347 \$2,040,035	\$64,069,167 \$93,283,247 \$276,426 \$10,280,391 \$3,074,981	\$2,427,517 \$13,132,343 \$58,194 \$644,756 \$45,447	\$23,589,628 \$54,294,839 \$32,126 \$2,865,365 \$471,422	\$4,246 \$767,141	\$149,747,745 \$432,189,107 \$444,468 \$23,000,000 \$5,894,994	\$135,122,605 \$383,738,878 \$5,319,421	13%	2 3 4
Total Contributions	\$323,610,383	\$170,984,211	\$16,308,258	\$81,253,379	\$19,120,082	\$611,276,314	\$524,180,904		
INVESTMENT INCOME									
From Investing Activities Net Appreciation in FV of Investments Interest/Dividends	(\$47,901,146) \$27,932,972	(\$134,256,904) \$65,975,212	(\$5,872,457) \$2,679,522	(\$42,254,857) \$21,087,360	(\$12,126,355) \$5,711,029	(\$242,411,720) \$123,386,095	\$832,849,333 \$134,437,656		6
Total Investing Activities Income	(\$19,968,174)	(\$68,281,692)	(\$3,192,936)	(\$21,167,497)	(\$6,415,326)	(\$119,025,625)	\$967,286,990		
Investment Expense	\$3,675,111	\$11,999,150	\$453,219	\$3,853,748	\$1,050,112	\$21,031,340	\$21,765,217	-3%	
Net Income from Investing Activities	(\$23,643,285)	(\$80,280,841)	(\$3,646,155)	(\$25,021,245)	(\$7,465,438)	(\$140,056,965)	\$945,521,773		
From Securities Lending Activities Securities Lending Income Securities Lending Expense Securities Lending Borrower Rebates	\$304,089 \$51,821	\$846,799 \$19,022	\$30,480 \$1,217	\$273,025 \$8,377	\$69,520 \$2,906	\$1,523,914 \$83,343	\$2,344,622 \$21,808		
Security Lending Agent Fee Security Lending Commission Expense Net Income from Securities Lending	\$29,827 \$222,442	\$103,737 \$724,041	\$3,572 \$25,691			\$178,511 \$1,262,060	\$360,866 \$1,961,947	-51%	
Total Investment Income	(\$23,420,843)	(\$79,556,801)	(\$3,620,464)	(\$24,789,744)	(\$7,407,053)	(\$138,794,905)	\$947,483,720		
Total Additions	\$300,189,540	\$91,427,410	\$12,687,794	\$56,463,636	\$11,713,029	\$472,481,409	\$1,471,664,624		
DEDUCTIONS									
Benefit Payments Refunds Administrative Expenses Capital Project Expenses	\$450,693,314 \$7,648,581 \$7,392,523 \$82,340	\$254,959,571 \$7,656,465 \$12,525,570 \$136,675	\$27,290,181 \$41,719 \$169,381 \$1,915	\$98,637,091 \$1,450,639 \$1,073,171 \$11,729	\$28,110,963 \$1,614,974 \$633,479 \$6,702	\$859,691,121 \$18,412,379 \$21,794,125 \$239,360	\$878,698,227 \$16,977,676 \$18,778,271	-2% 8% 16%	10 11
Total Deductions	\$465,816,758	\$275,278,282	\$27,503,197	\$101,172,630	\$30,366,118	\$900,136,984	\$914,454,174		
Net Increase(Decrease) in Plan Net Assets	(\$165,627,218)	(\$183,850,872)	(\$14,815,402)	(\$44,708,994)	(\$18,653,089)	(\$427,655,575)	\$557,210,450		
PLAN NET ASSETS HELD IN TRUST FOR PENSION BENEFITS Beginning of Period End of Period						\$12,015,897,645 \$11,588,242,069			

- 1 Increase is due to addition of Employer Pay Credit and Increase in Service Purchases 2 Increase in Employer Contribution Rate
- 3 Effective date 1/1/15
- 4 Funds Received in FY15
- 5 This will continue to increase through the years as new employees join the system
- 6 Unfavorable market conditions
- 7 PIMCO was a large contributor to the Program and they are not longer participating in the SL program
- 8 PIMCO was a large contributor to the Program and they are not longer participating in the SL program
- 9 PIMCO was a large contributor to the Program and they are not longer participating in the SL program
- 10 Increase in overall budget creates an increase in total amount transferred each month. Decrease in Insurance Reimbursement
- 11 Filenet Upgrade to complete the START Capital Project

KENTUCKY RETIREMENT SYSTEMS COMBINING STATEMENTS OF NET POSITION INSURANCE FUNDS

As of December 31, 2014 (Unaudited)(In Whole Dollars)

	KERS	CERS	SPRS	CHAZ	KHAZ	2014	2013		
ASSETS									
Cash and Short-Term Investments Cash Deposits Short-term Investments Medicare Drug Deposit	\$144,985 \$40,831,612 \$19,911		\$11,896 \$8,658,372 \$4,614	\$44,951,894	\$19,957,944		\$1,558,776 \$247,684,523 \$100,021	-69% -22% 0%	
Total Cash and Short-term Investments	\$40,996,507	\$78,916,391	\$8,674,881	\$44,992,290	\$19,988,024	\$193,568,094	\$249,343,320		
RECEIVABLES									
Accounts Receivable Investment Accounts Receivable	12,780,986 \$41,462,195	,,-	901,384 \$9,703,524	6,301,698 \$70,374,655		33,040,928 \$277,769,075	36,559,663 \$199,290,321	-10% 39%	3
Total Receivables	\$54,243,181	\$137,272,565	\$10,604,908	\$76,676,353	\$32,012,997	\$310,810,004	\$235,849,984		
INVESTMENTS, AT FAIR VALUE									
Fixed Income Public Equities Derivatives Private Equities Absolute Return Real Estate	\$198,159,712 \$253,124,141 \$201,305 \$42,165,961 \$69,193,899 \$27,856,816	\$749,323,542 \$626,202 \$151,148,016 \$195,587,719	\$63,625,864 \$55,777 \$14,142,539 \$17,629,959	\$407,274,903 \$345,001 \$83,932,830 \$110,417,907	\$173,350,585 \$144,648 \$31,722,714 \$46,184,865	\$439,014,351	\$1,666,252,362 \$720,417 \$248,511,472 \$394,575,542	6% -1% 91% 30% 11% 55%	5 6
Total Investments, at Fair Value		\$1,764,570,638				\$3,880,369,752		7%	
Total Assets	\$685,941,523	\$1,980,759,593	\$171,036,323	\$1,090,074,393	\$456,936,017	\$4,384,747,849	\$4,124,422,104	6%	
LIABILITIES									
Accounts Payable Investment Accounts Payable	\$4,965 \$38,588,835	\$19,365 \$117,063,625	\$9,052,818	\$65,574,657	, ,	\$24,331 \$258,871,291	\$5,946,223 \$217,143,635	-100% 19%	
Total Liabilities	\$38,593,800	\$117,082,991	\$9,052,818	\$65,574,657		\$258,895,622		16%	
Total Plan Net Assets	\$647,347,723	\$1,863,676,603	\$161,983,504	\$1,024,499,736	\$428,344,662	\$4,125,852,227	\$3,901,332,245	6%	

- 1 Cash is being invested in longer term vehicles through New Managers and Capital Calls
- 2 Cash is being invested in longer term vehicles through New Managers and Capital Calls
- 3 Variance is a result of transactions activity which is based on each individual manager
- 4 Derivatives include currency forwards/futures as permitted by KRS investment policy. As the USD experiences a downward trend, these derivatives will have an upward trend
- 5 Additional Funds placed in Private Equity as directed by the board approved asset allocation
- 6 Funding of New Absolute Return Managers
- 7 Additional Funds placed in Real Estate as directed by the board approved asset allocation
- 8 The move from self insured insurance program
- 9 Variance is a result of transactions activity which is based on each individual manager

KENTUCKY RETIREMENT SYSTEMS COMBINING STATMENTS OF CHANGES IN PLAN NET ASSETS INSURANCE FUNDS For the Six Months Ending December 31, 2014 (Unaudited)(In Whole Dollars)

	KERS	CERS	SPRS	CHAZ	KHAZ	2014	2013		
ADDITIONS									
Employer Contributions Insurance Premiums Retired Reemployed Healthcare	\$66,429,529 \$140,474 \$1,947,109	\$55,522,054 \$247,806 \$2,185,099	\$5,358,382 \$359	\$35,957,579 \$3,125 \$371,688	\$7,101,457 \$6,253 \$337,170	\$170,369,002 \$398,016 \$4,841,066	\$202,336,726 \$2,059,318 \$3,655,054	-81%	2
Total Contributions	\$68,517,112	\$57,954,959	\$5,358,741	\$36,332,392	\$7,444,880	\$175,608,083	\$208,051,099		
INVESTMENT INCOME									
From Investing Activities Net Appreciation in FV of Investments Interest/Dividends	(\$12,609,007) \$6,742,762	(\$33,256,607) \$18,642,682	(\$3,007,874) \$1,665,350	(\$18,324,264) \$10,164,585	(\$7,899,962) \$4,428,089	(\$75,097,714) \$41,643,468	\$279,028,414 \$40,729,439	-127% 2%	4
Total From Investing Activities	(\$5,866,244)	(\$14,613,925)	(\$1,342,523)	(\$8,159,679)	(\$3,471,873)	(\$33,454,246)	\$319,757,853		
Investment Expense	\$1,103,292	\$3,694,711	\$324,079	\$2,033,179	\$820,412	\$7,975,674	\$7,169,560	11%	5
Net Income from Investing Activities	(\$6,969,537)	(\$18,308,637)	(\$1,666,603)	(\$10,192,858)	(\$4,292,286)	(\$41,429,920)	\$312,588,294		
From Securities Lending Securities Lending Income Securities Lending Expense	\$74,091	\$222,796	\$18,864	\$123,662	\$50,861	\$490,274	\$776,366	-37%	6
Security Lending Borrower Rebates Security Lending Agent Fees Net Income from Securities Lending	(\$27,486) \$8,459 \$93,118	(\$81,628) \$25,677 \$278,746	(\$7,141) \$2,147 \$23,858	(\$44,029) \$14,169 \$153,522	(\$18,733) \$5,817 \$63,777	(\$179,017) \$56,269 \$613,022	(\$159,559) \$113,161 \$822,764	12% -50% -25%	
Total Net Income from Investments	(\$6,876,419)	(\$18,029,890)	(\$1,642,744)	(\$10,039,336)	(\$4,228,508)	(\$40,816,898)	\$313,411,058		
Total Additions	\$61,640,693	\$39,925,068	\$3,715,997	\$26,293,055	\$3,216,372	\$134,791,186	\$521,462,156		
DEDUCTIONS Healthcare Premiums Subsidies Administrative Expense	\$59,997,040	\$52,840,918	\$6,678,671	\$31,993,817	\$8,310,802	\$159,821,248	\$143,386,300 \$910,688		
Self Funded Healthcare Costs Excise Tax Insurance	\$1,196,942 \$3,182	\$2,113,109 \$5,620	\$10,804 \$48	\$103,084 \$208	\$85,361 \$136	\$3,509,300 \$9,194	(\$2,318,613) \$40,340		
Total Deductions	\$61,197,164	\$54,959,647	\$6,689,523	\$32,097,108	\$8,396,299	\$163,339,742	\$142,018,714		
Net Increase(Decrease) in Plan Net Assets	\$443,529	(\$15,034,579)	(\$2,973,526)	(\$5,804,053)	(\$5,179,928)	(\$28,548,556)	\$379,443,442		
NET PLAN ASSETS HELD IN TRUST FOR INSURANCE BENEFITS				\$1,030,303,789 \$1,024,499,736					

- 1 Reduction in Employer Contribution Rates for the Insurance Fund, overall reduction of 19.29%.
- 2 Move from Self Funding Insurance Program to Premiums Based Program
- 3 Increase in both total invoices created and premiums due
- 4 Unfavorable Market Conditions
- 5 Addition of managers added to the portfolio
- 6 PIMCO was a large contributor to the Program and they are not longer participating in the SL program
- 7 PIMCO was a large contributor to the Program and they are not longer participating in the SL program 8 PIMCO was a large contributor to the Program and they are not longer participating in the SL program 8 PIMCO was a large contributor to the Program and they are not longer participating in the SL program

- 9 Increase in Premiums paid to Humana
 10 Move from Self Funding Insurance Program to Premiums Based Program
- 11 A large refund was received last year that offset expenditures
 12 This charge is based on the number of insurance policies administered by KRS.

	KERS	KHAZ	CERS	CHAZ	SPRS	Total		KERS	KHAZ	CERS	CHAZ	SPRS	Total
EECON	5.00%	8.00%	5.00%	8.00%	8.00%	34.00%	EECON	5.00%	8.00%	5.00%	8.00%	8.00%	34.00%
HIC	1.00%	1.00%	1.00%	1.00%	1.00%	5.00%	HIC	1.00%	1.00%	1.00%	1.00%	1.00%	5.00%
ERCON	30.84%	16.37%	12.75%	20.73%	53.90%	134.59%	ERCON	17.29%	14.89%	13.74%	21.77%	39.50%	107.19%
ERINS	7.93%	9.97%	4.92%	13.58%	21.86%	58.26%	ERINS	9.50%	17.32%	5.15%	13.93%	31.65%	77.55%
		20	014						20	13			
	KERS	KHAZ	CERS	CHAZ	SPRS	Total		KERS	KHAZ	CERS	CHAZ	SPRS	Total
EECON	5.00%	8.00%	5.00%	8.00%	8.00%	34.00%	EECON	5.00%	8.00%	5.00%	8.00%	8.00%	34.00%
HIC	1.00%	1.00%	1.00%	1.00%	1.00%	5.00%	HIC	1.00%	1.00%	1.00%	1.00%	1.00%	5.00%
ERCON	17.29%	14.89%	13.74%	21.77%	39.50%	107.19%	ERCON	14.86%	13.41%	12.62%	20.00%	33.24%	94.13%
ERINS	9.50%	17.32%	5.15%	13.93%	31.65%	77.55%	ERINS	8.75%	16.38%	6.93%	17.50%	30.43%	79.99%
		Diffe	rence						Diffe	rence			
	KERS	KHAZ	CERS	CHAZ	SPRS	Total		KERS	KHAZ	CERS	CHAZ	SPRS	Total
EECON	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	EECON	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
HIC	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	HIC	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
ERCON	13.55%	1.48%	-0.99%	-1.04%	14.40%	27.40%	ERCON	2.43%	1.48%	1.12%	1.77%	6.26%	13.06%
ERINS	-1.57%	-7.35%	-0.23%	-0.35%	-9.79%	-19.29%	ERINS	0.75%	0.94%	-1.78%	-3.57%	1.22%	-2.44%





INVESTMENTS

TO: Kentucky Retirement System Board of Trustees

FROM: David Peden, Chief Investment Officer

DATE: February 24, 2015

SUBJECT: Investment Committee Quarterly Report

The Investment Committee held its regularly scheduled meeting on February 3, 2015. The purpose of the meeting was to evaluate investment activities, program structure, management, controls, and performance results of the Pension and Insurance Funds, for the quarter ending December 31, 2014, along with various other subjects.

The meeting began with approval of the minutes for the previous Investment Committee meeting held on November 5, 2014.

Erica Bradley presented the Quarterly Compliance Report. The Management Update was given by David Peden, CIO, which included a review of some of the standard quarterly reports. These reports included the: Monthly Performance Update, Investment Division Budget Report, the quarterly Manager Meeting and Related Expense Tracking Report, the Internally Managed Portfolio Asset Report, Internally Managed Portfolio Transactions Report, Securities Lending Report, Domestic Equity Commissions Report, Global Equity Commissions Report, and the Securities Litigation Report were provided for informational purposes.

The Standing Quarterly Committee Topics, Potential Future Topics List, and an overview of the supplied articles of interest were reviewed. New investment staff members were introduced and an update on the progress to fill vacant positions was given. Questions were encouraged and addressed throughout the reports.

Consultant RV Kuhns gave a brief update on what has occurred with other State clients of theirs that have gone through an investment performance audits. RV Kuhns also gave an update on the asset/liability study and the potential timeline for presenting results.

Staff discussed a potential fee benchmarking study and the output and use of such a study. At the time of the meeting a RFP was still being developed to procure such a service. This was for informational purposes only and no action was taken.

KRS Investment Staff and consultant RV Kuhns recommended hiring State Street Advisors for transition and temporary investment mandates when appropriate. These services are typically used when one investment manager is terminated prior to a permanent investment manager being identified to replace the terminated manager. The investment committee approved State Street Advisors for use in these situations.

KRS Investment Staff and consultant RV Kuhns recommended managing U.S. mid cap equity internally at KRS via fully replicating the S&P 400 index. This recommendation was approved by the investment committee.

Joe Gilbert, Director of Public Equity and consultant RV Kuhns recommended terminating its relationship with Pyramis Global Advisors who managed a non U.S. equity portfolio for KRS. The recommendation was due to excessive staff turnover at Pyramis. The recommendation was approved and the assets that Pyramis managed will be reallocated to existing KRS non-U.S. equity managers.

David Peden, Chief Investment Officer and consultant RV Kuhns recommended terminating its relationship with PIMCO who managed a Global Fixed Income portfolio for KRS. The recommendation was due to excessive staff turnover at PIMCO. The recommendation was approved and the assets that PIMCO managed will be reallocated to NISA Investment Advisors and Manulife Asset Management, both existing KRS fixed income managers. A search for a multisector fixed income manager will be conducted to add to the KRS fixed income roster and PIMCO will be allowed to compete for that mandate.

Consultant ORG presented policies and procedures for a real estate co-investment program. KRS staff and consultant ORG recommended a real estate co-investment program and it was approved by the KRS investment committee.

David Peden, CIO, presented an update on the Absolute Return program and discussed the idea of graduating hedge fund managers from the fund of funds to the KRS direct hedge fund program. This was for information purposes and no action was taken.

Erica Bradley, Compliance Officer, Brian Thomas, General Counsel, and David Peden, CIO, presented recommended changes to the Personal Trading Policy. Those changes were approve by the KRS investment committee with one modification to the recommended changes.

Please see the next page for a summary of the Pension and Insurance performance information ending December 31, 2014.

	Pension Funds Performance Overview Rates of Return (%) as of December 31, 2014												
	One Year Three Years Five Years Ten Years												
	Fund	Index	Fund	Index	Fund	Index	Fund	Index					
Equity	3.10	3.79	14.23	14.18	9.53	9.86	5.96	5.76					
Fixed Income	5.42	5.56	5.02	3.20	5.92	4.82	5.07	4.84					
Private Equity	16.20	16.20	15.03	15.03	14.56	16.93	8.92	9.80					
Real Estate	8.85	11.36	9.40	11.26	11.24	11.34	6.19	6.15					
Absolute Return	4.84	4.72	7.95	5.46	N/	A	N/	A					
Real Return	3.20	2.93	2.62	3.34	N/	A	N/	A					
Cash Equivalents	0.17	0.03	0.37	0.05	0.46	0.07	2.04	1.46					
Total Fund	5.14	6.02	10.11	10.91	8.41	8.67	5.83	6.03					

	Insurance Funds Performance Overview Rates of Return (%) as of December 31, 2014												
		Year	Three		Five Y		Ten Y	Zears					
	Fund	Index	Fund	Index	Fund	Index	Fund	Index					
Equity	3.35	3.85	14.17	14.04	9.20	9.55	5.76	5.50					
Fixed Income	3.79	5.56	4.31	3.20	5.39	5.15	5.10	4.89					
Private Equity	17.51	17.51	15.40	15.40	15.12	17.02	8.57	9.20					
Real Estate	7.46	11.36	8.84	11.26	11.88	11.34	N/	A					
Absolute Return	4.80	4.72	7.94	5.46	N /.	A	N/	A					
Real Return	3.78	3.11	2.46	3.39	N /.	A	N/	A					
Cash Equivalents	0.19	0.03	0.31	0.05	0.29	0.07	1.86	1.46					
Total Fund	4.46	6.21	9.52	10.81	7.84	8.95	5.24	5.63					

RECOMMENDATION: The Board is requested to ratify the actions of the Investment Committee.

TO: Members of the Board of Trustees

FROM: William A. Thielen

Executive Director

DATE: February 24, 2015

SUBJECT: KRS Administrative Budget-to-Actual Expenditure Update

Accompanying this memorandum, you will find the spreadsheets showing KRS Administrative budget-to-actual expenditures for the Fiscal Year 2014-15. Key informational items for this period include:

Fiscal year 2014-15

- ➤ Total 2014-15 Annual Budget = \$40.9 million
- Expenditures through December 31, 2014 totaled \$15.5 million (\$38% of total budget) resulting in a favorable variance to Plan.
- Although we anticipate being favorable to Budget for the Fiscal Year, expenses will trend higher in the remaining six month period related to overtime (reducing service purchase and post retirement audit backlogs), actuarial fees (GASB 68 and Legislative analysis), investment costs (Asset Liability study, full staffing, travel), audit expenses (GASB 68 and other studies), and technology refresh expenses.
- Additional information includes two ancillary reports showing the split out of Internal Audit and Investments.

Comparisons to Fiscal year 2013-14 through the Same Period

- > Total Expenses are lower by 5.7%
- ➤ Base Salaries are higher by 0.21%. This includes 3 months of the merit increases, offset by higher turnover.
- ➤ Overtime expense higher by 5.8% (Pension Spiking, Benefit audits, Employer Reporting).
- ➤ Benefits cost up 20.4% (Medical & Pension).
- ➤ Ice Miller legal expenses are lower by \$323 thousand due to Seven Counties current status.
- > In-state travel down 34.6% due to technology usage (video, webinars, & Go to Meeting).
- > Telephone expenses lower by 15.3% reflecting lower wait times with Call Back Assist).
- Lower Technology expenses in first half of 2014-15.

RECOMMENDATION: None. This item is presented for information purposes only.

KRS ADMINISTRATIVE BUDGET 2014-2015 SECOND QUARTER BUDGET-TO-ACTUAL ANALYSIS

As of December 31, 2014

Acc't #	Account Name	Budgeted	Actual Expenditures	Remaining	% Remaining
	PERSONNEL				
111	Salaries	\$14,426,125	\$7,723,003	\$6,703,122	46.5%
120	Benefits	\$8,842,352	\$4,639,779	\$4,202,573	47.5%
131	Workers Compensation	\$34,000	\$32,365	\$1,635	4.8%
132	Unemployment	\$10,000	\$0	\$10,000	100.0%
133	Tuition Assistance	\$35,000	\$17,902	\$17,098	48.9%
1331	Investment Tuition Assistance	\$5,000	\$0	\$5,000	100.0%
133T	Audit Tuition Assistance	\$2,500	\$0	\$2,500	100.0%
135	Bonds	\$3,000	\$102	\$2,898	96.6%
141	LEGAL & AUDITING SERVICES				
141A	Legal Hearing Officers	\$344,000	\$119,495	\$224,505	65.3%
141B	Legal (Stoll, Keenon)	\$225,000	\$58,725	\$166,275	73.9%
141C	Polsinelli Shugart	\$100,000	\$18,196	\$81,804	81.8%
141E	Reinhart	\$350,000	\$87,789	\$262,211	74.9%
141F	Ice Miller	\$1,200,000	\$79,161	\$1,120,839	93.4%
142	Auditing	\$70,000	\$47,500	\$22,500	32.1%
146	CONSULTING SERVICES				
146A	Medical Reviewers	\$380,000	\$157,196	\$222,804	58.6%
146B	Medical Reports	\$10,000	\$16	\$9,984	99.8%
146C	Medical Exams	\$20,000	\$10,855	\$9,145	45.7%
150	CONTRACTUAL SERVICES				
150C	Miscellaneous Contracts	\$205,000	\$154,768	\$50,232	24.5%
150D	Health Consultant	\$125,000	\$19,438	\$105,563	84.5%
150E	Banking	\$9,000	\$0	\$9,000	100.0%
150F	PBI	\$9,000	\$0	\$9,000	100.0%
150G	Human Resources Consulting	\$100,000	\$0	\$100,000	100.0%
150H	Health Insurance Admin Fee	\$1,867,700	\$1,032,709	\$834,991	44.7%
1501	Investment Consulting	\$1,600,000	\$0	\$1,600,000	100.0%
150J	Medical Claims TPA	\$2,841,997	\$0	\$2,841,997	100.0%
150K	Pharmacy Claims TPA	\$2,773,369	\$0	\$2,773,369	100.0%
159	Actuarial Services	\$500,000	\$125,858	\$374,142	74.8%
162	Facility Security Charges	\$3,000	\$689	\$2,311	77.0%
	PERSONNEL SUBTOTAL	\$36,091,043	\$14,325,544	\$21,765,499	60.31%

KRS ADMINISTRATIVE BUDGET 2014-2015 SECOND QUARTER BUDGET-TO-ACTUAL ANALYSIS

Acc't #	Account Name	Budgeted	Actual Expenditures	Remaining	% Remaining
	OPERATIONAL	J		3	-
211	Natural Gas	\$25,000	\$4,917	\$20,083	80.3%
212	Electric	\$187,800	\$82,004	\$105,796	56.3%
221	Rent-NonState Building	\$33,500	\$16,344	\$17,156	51.2%
222	Rent -State Owned Building	\$686,300	\$343,192	\$343,108	50.0%
223	Equipment Rental	\$5,000	\$1,794	\$3,206	64.1%
224	Copier Rental	\$86,000	\$30,283	\$55,717	64.8%
226	Rental Carpool	\$0	\$0	\$0	
232	Vehicle/Equip. Mainten.	\$29,000	\$0	\$29,000	100.0%
241	Postage	\$525,000	\$118,338	\$406,662	77.5%
242	Freight	\$1,200	\$427	\$773	64.4%
251	Printing (State)	\$1,000	\$0	\$1,000	100.0%
252	Printing (non-state)	\$300,000	\$20,461	\$279,539	93.2%
254	Insurance	\$81,300	\$2,352	\$78,948	97.1%
256	Garbage Collection	\$12,300	\$5,243	\$7,057	57.4%
259	Conference Expense	\$40,000	\$3,351	\$36,649	91.6%
2591	Conference Exp. Investment	\$12,600	\$2,517	\$10,083	80.0%
259T	Conference Exp. Audit	\$1,500	\$888	\$612	40.8%
300	MARS Usage	\$25,000	\$13,550	\$11,450	45.8%
321	Office Supplies	\$96,300	\$26,697	\$69,603	72.3%
331	Data Processing Supplies Motor Fuels & Lubricants	\$45,000 \$2,707	\$5,378	\$39,622	88.0% 50.4%
343 346	Furniture & Office Equipment	\$50,000	\$1,343 \$2,788	\$1,364 \$47,212	94.4%
361	Travel (In-State)	\$109,000	\$45,965	\$63,035	57.8%
361	Travel (In-State) Investment	\$1,500	\$0	\$1,500	100.0%
361T	Travel (In-State) Audit	\$500	\$109	\$391	78.2%
362	Travel (Out of State)	\$40,000	\$2,787	\$37,213	93.0%
3621	Travel (Out of State) Invest	\$51,050	\$10,787	\$40,263	78.9%
362T	Travel (Out of State) Audit	\$2,500	\$590	\$1,910	76.4%
381	Dues & Subscriptions	\$37,000	\$21,978	\$15,022	40.6%
3811	Dues & Subscriptions Invest	\$42,000	\$5,916	\$36,084	85.9%
381T	Dues & Subscriptions Audit	\$1,000	\$195	\$805	80.5%
399	Miscellaneous	\$2,500	\$10,396	(\$7,896)	-315.8%
3991	Miscellaneous Investment	\$16,700	\$1,905	\$14,795	88.6%
399T	Miscellaneous Audit	\$500	\$288	\$212	42.3%
601	Capital Outlay	\$300,000	\$0	\$300,000	100.0%
802	COT Charges	\$90,000	\$42,235	\$47,765	53.1%
814	Telephone - Wireless	\$8,000	\$2,070	\$5,930	74.1%
815	Telephone - Other	\$150,000	\$44,524	\$105,476	70.3%
847	Computer Equip./Software	\$1,550,000	\$341,934	\$1,208,066	77.9%
8471	Comp. Equip./Software Invest	\$190,000	\$5,309	\$184,691	97.2%
847T	Comp. Equip/Software Audit	\$1,000	\$0	\$1,000	100.0%
		A 4 6 5 5	A. A. A. A	40.000.000	
	OPERATIONAL SUBTOTAL	\$4,839,757	\$1,218,854	\$3,620,903	74.8%
	TOTALO	¢40 020 000	¢1E E14 200	¢25 206 402	63 0 0/
	TOTALS	\$40,930,800	\$15,544,398	\$25,386,402	62.0%

KRS ADMINISTRATIVE BUDGET 2014-15

INTERNAL AUDIT - SECOND QUARTER BUDGET-TO-ACTUAL ANALYSIS

As of December 31, 2014

Acc't #	Account Name	Budgeted Actual Expense		Remaining	% Remaining	
	PERSONNEL					
133T	Audit Tuition Assistance	\$2,500	\$0	\$2,500	100%	
	PERSONNEL SUBTOTAL	\$2,500	\$0	\$2,500	100%	
	OPERATIONAL					
259T	Conference Exp. Audit	\$1,500	\$888	\$612	41%	
361T	Travel (In-State) Audit	\$500	\$109	\$391	78%	
362T	Travel (Out of State) Audit	\$2,500	\$590	\$1,910	76%	
381T	Dues & Subscriptions Audit	\$1,000	\$195	\$805	81%	
399T	Miscellaneous Audit	\$500	\$288	\$212	42%	
847T	Comp. Equip/Software Audit	\$1,000	\$0	\$1,000	100%	
	OPERATIONAL SUBTOTAL	\$7,000	\$2,070	\$4,930	70%	
	TOTALS	\$9,500	\$2,070	\$7,430	78%	

INVESTMENT AUDIT - SECOND QUARTER BUDGET-TO-ACTUAL ANALYSIS

As of December 31, 2014

Acc't #	Account Name	Budgeted	Actual Expense	Remaining	% Remaining
	PERSONNEL				
1331	Investment Tuition Assistance	\$5,000	\$0	\$5,000	100%
	CONTRACTUAL SERVICES				
141E	Reinhart	\$350,000	\$87,789		
1501	Investment Consulting	\$1,600,000	\$0	\$1,600,000	100%
	PERSONNEL SUBTOTAL	\$1,955,000	\$87,789	\$1,605,000	82%
	OPERATIONAL				
2591	Conference Exp. Investment	\$12,600	\$2,517	\$10,083	80%
3611	Travel (In-State) Investment	\$1,500	\$0	\$1,500	100%
3621	Travel (Out of State) Invest	\$65,500	\$10,787	\$54,713	84%
3811	Dues & Subscriptions Invest	\$42,000	\$5,916	\$36,084	86%
3991	Miscellaneous Investment	\$16,700	\$1,905	\$14,795	89%
8471	Comp. Equip./Software Invest	\$190,000	\$5,309	\$184,691	97%
	OPERATIONAL SUBTOTAL	\$328,300	\$26,434	\$301,866	92%
	OF LIVATIONAL SUBTOTAL	ψ320,300	\$20,434	Ψ301,000	92/0
	TOTALS	\$2,283,300	\$114,223	\$1,906,866	84%

TO: Members of the Board

FROM: William A. Thielen

Executive Director

DATE: February 24, 2015

SUBJECT: Initial Retirement Cases, Second Quarter, 14-15

The tables below show the distribution of new retirees who retired during this quarter of the fiscal year by retirement mode and the retirees with 27 or more years of service.

DISTRIBUTION BY RETIREMENT MODE

<u>MODE</u>	<u>KERS</u>	<u>CERS</u>	<u>SPRS</u>	<u>TOTAL</u>	<u>PERCENT</u>
Normal Retirement	126	225	2	353	27.4%
Early Retirement	285	473	7	765	59.4%
Disability Retirement	22	49	1	72	5.6%
Retirement Eligible Refund	20	29	0	49	3.8%
Death of Members Eligible to Retire	20	29	0	49	3.8%
Grand Totals	473	805	10	1288	100%

RETIREES WITH 27 OR MORE YEARS OF SERVICE

	<u>KERS</u>	<u>CERS</u>	<u>SPRS</u>	<u>TOTAL</u>	
Under Normal Retirement Age	87	109	4	200	
At and Over Normal Retirement Age	14	10	0	24	
Grand Totals	101	119	4	224	

RECOMMENDATION: This report is provided for informational purposes only.

TO: Members of the Board

FROM: William A. Thielen

Executive Director

DATE: February 24, 2015

SUBJECT: Death Benefit Payments, Second Quarter, 14-15

The table below reflects the number of deceased retired members whose death benefit was paid during this quarter of the fiscal year and the total amount paid by each system.

DEATH BENEFIT PAYMENTS

	Number of Deceased Retirees	Total Amount Paid
KERS	193	\$965,000.00
CERS	205	\$1,025,000.00
SPRS	3	\$15,000.00
TOTALS	401	\$2,005,000.00

RECOMMENDATION: This report is provided for informational purposes only.

Kentucky Retirement Systems

TO: Members of the Board

FROM: William A. Thielen

Executive Director

DATE: February 24, 2015

SUBJECT: Refund of Member Contributions for Quarter Ended December 31, 2014

The summary by system, age, and service credit of each person who received a refund during the second quarter of this fiscal year is attached.

There were 1,338 refunds totaling \$7,953.236 paid to former members of the systems during the second quarter. Refund payments during the past (11) eleven quarters were as follows:

Quarter Ended	Amount	Number of Refunds
12/31/2014	\$7,953,236	1,338
09/30/2014	\$11,208,677	2,465
06/30/2014	\$8,829,317	2,167
03/31/2014	\$8,595,267	1,605
12/31/2013	\$8,063,089	1,696
09/30/2013	\$9,525.226	1,791
06/30/2013	\$7,892,029	1,986
03/31/2013	\$8,854,181	1,592
12/31/2012	\$7,712,097	1,241
09/30/2012	\$7,781,898	1,493
06/30/2012	\$8,203,562	1,596

RECOMMENDATION: This report is provided for informational purposes only.

		CERSHZ				
Age	0 < 5	5 < 10	10 < 15	15 < 20	20 - Up	Totals
0 - 19	0	0	0	0	0	0
						0.00%
						0
						0.00%
20 - 29	6	3	3	1	2	15
						34.88%
						158100.67
						21.85%
30 - 39	3	3	5	5	2	18
						41.86%
						302258.59
						41.77%
40 - 49	1	1	0	0	5	7
						16.28%
						247724.18
						34.23%
50 - 59	1	0	0	0	0	1
						2.33%
						466.73
						0.06%
60 - Up	2	0	0	0	0	2
						4.65%
						15159.82
						2.09%
CERSHZ	4.0	_				
Totals	13	7	8	6	9	43
	30.23%	16.28%	18.60%	13.95%	20.93%	100.00%
	43524.91	53548.82	143840.65	124649.84	358145.77	723709.99
	6.01%	7.40%	19.88%	17.22%	49.49%	100.00%

		CERSNHZ				
Age	0 < 5	5 < 10	10 < 15	15 < 20	20 - Up	Totals
0 - 19	2	0	0	0	0	2
						0.30%
						686.67
						0.02%
20 - 29	52	12	5	4	0	73
						10.85%
						181513.76
						5.73%
30 - 39	80	47	26	17	13	183
						27.19%
						861820.71
						27.21%
40 - 49	70	38	40	26	23	197
						29.27%
						1076314.63
						33.98%
50 - 59	50	46	18	12	15	141
						20.95%
						828667.04
				_	_	26.16%
60 - Up	52	21	4	0	0	77
						11.44%
						218332.15
						6.89%
CERSNHZ	202	404	00	50	54	070
Totals	306	164	93	59	51	673
	45.47%	24.37%	13.82%	8.77%	7.58%	100.00%
	368451.28	787430.52	636219.73	544298.36	830935.07	3167334.96
	11.63%	24.86%	20.09%	17.18%	26.23%	100.00%

		KERSHZ				
Age	0 < 5	5 < 10	10 < 15	15 < 20	20 - Up	Totals
0 - 19	0	0	0	0	0	0
						0.00%
						0
						0.00%
20 - 29	23	8	1	2	1	35
						37.63%
						156542.13
						27.11%
30 - 39	17	3	0	4	2	26
						27.96%
						171006.89
						29.61%
40 - 49	9	2	4	3	2	20
						21.51%
						166376.72
						28.81%
50 - 59	2	4	4	0	1	11
						11.83%
						76368.82
						13.22%
60 - Up	0	1	0	0	0	1
						1.08%
						7215.36
_						1.25%
KERSHZ			_	_	_	
Totals	51	18	9	9	6	93
	54.84%	19.35%	9.68%	9.68%	6.45%	100.00%
	102074.75	101655.61	102574.6	137516.17	133688.79	577509.92
	17.67%	17.60%	17.76%	23.81%	23.15%	100.00%

			KERSNHZ			
Age	0 < 5	5 < 10	10 < 15	15 < 20	20 - Up	Totals
0 - 19	0	0	0	0	0	0
						0.00%
						0
						0.00%
20 - 29	60	26	8	4	0	98
						18.67%
						316761.05
						9.23%
30 - 39	57	43	29	11	10	150
						28.57%
						904652.63
						26.35%
40 - 49	60	26	18	17	35	156
						29.71%
						1459111.79
						42.50%
50 - 59	33	28	9	8	6	84
						16.00%
						586311.38
						17.08%
60 - Up	17	16	2	1	1	37
						7.05%
						165980.94
						4.84%
KERSNHZ						
Totals	227	139	66	41	52	525
	43.24%	26.48%	12.57%	7.81%	9.90%	100.00%
	314708.7	769862.7	600718.52	552299.04	1195228.83	3432817.79
	9.17%	22.43%	17.50%	16.09%	34.82%	100.00%

		SPRSHZ				
Age	0 < 5	5 < 10	10 < 15	15 < 20	20 - Up	Totals
0 - 19	0	0	0	0	0	0
						0.00%
						0
						0.00%
20 - 29	0	1	0	0	0	1
						25.00%
						10212.06
						19.69%
30 - 39	1	0	0	0	0	1
						25.00%
						258.22
						0.50%
40 - 49	0	0	0	0	1	1
						25.00%
						41156.64
						79.36%
50 - 59	0	0	1	0	0	1
						25.00%
						236.25
						0.46%
60 - Up	0	0	0	0	0	0
						0.00%
						0
						0.00%
SPRSHZ						
Totals	1	1	1	0	1	4
	25.00%	25.00%	25.00%	0.00%	25.00%	100.00%
	258.22	10212.06	236.25	0	41156.64	51863.17
	0.50%	19.69%	0.46%	0.00%	79.36%	100.00%

TO: Members of the Board

FROM: William A. Thielen

Executive Director

DATE: February 24, 2015

SUBJECT: Report of Decisions by the Medical Examiners

DISABILITY

During the second quarter of the fiscal year, the Medical Examiners reviewed a total of 123 applicants for disability retirement. There were 68 (55.28%) recommended for denial and 55 (44.72%) recommended for approval.

Approvals

$$\frac{\text{KERS}}{15} \quad \frac{\text{CERS}}{40} \quad \frac{\text{SPRS}}{0} \quad \frac{\text{TOTAL}}{55}$$

Duty Related Approvals

$$\begin{array}{c|cccc} \underline{KERS} & \underline{CERS} & \underline{SPRS} & \underline{TOTAL} \\ \hline 0 & 0 & 0 & 0 \\ \hline & \underline{Denials} & \end{array}$$

$$\frac{\text{KERS}}{16}$$
 $\frac{\text{CERS}}{52}$ $\frac{\text{SPRS}}{0}$ $\frac{\text{TOTAL}}{68}$

HAZARDOUS DISABILITY

During the second quarter of the fiscal year, the Medical Examiners reviewed a total of 2 applicants for hazardous disability retirement. There was 1 (50.00%) recommended for denial and 1 (50.00%) recommended for approval.

Approvals

KERS CERS SPRS TOTAL

In the Line of Duty Approvals

 $\frac{\text{KERS}}{0} \quad \frac{\text{CERS}}{1} \quad \frac{\text{SPRS}}{0} \quad \frac{\text{TOTAL}}{1}$

Total and Permanent Approvals

 $\frac{\text{KERS}}{0} \quad \frac{\text{CERS}}{0} \quad \frac{\text{SPRS}}{0} \quad \frac{\text{TOTAL}}{0}$

ANNUAL REVIEW OF DISABILITY RECIPIENTS

During the second quarter of the fiscal year, the Medical Examiners made final decisions on a total of 168 annual reviews of disability recipients. The disability benefits of 162 recipients (96.43%) were continued and the disability benefits of 6 recipients (3.57%) were terminated.

RECOMMENDATION: This is for informational purposes only. No action is required by the board.

TO: Members of the Board

FROM: William A. Thielen

Executive Director

DATE: February 24, 2015

SUBJECT: Disability Appeals Committee Quarterly Report

The Disability Appeals Committee held meetings on October 31, November 25 and December 18, 2014. A total of 37 disability claims were acted upon during the quarter resulting in 21 denials, 8 approvals, 4 dismissals and 4 remands.

	<u>Denials</u>	
KERS	CERS	SPRS
4	17	0
	<u>Approvals</u>	
KERS	CERS	SPRS
1	7	0
	Dismissals	
KERS	CERS	SPRS
1	3	0
	Remands	
KERS	CERS	SPRS
0	4	0

RECOMMENDATION: This is for informational purposes only. No action is required by the Board.

TO: Members of the Board

FROM: William A. Thielen

Executive Director

DATE: February 24, 2015

SUBJECT: Administrative Appeals Committee Quarterly Report

The Administrative Appeals Committee held meetings on October 31, November 25 and December 18, 2014. A total of 10 cases were acted upon in the quarter resulting in 1 approval, 3 continuances, 4 denials and 2 discontinuances.

	<u>Denials</u>	
KERS 2	CERS 2	SPRS 0
	Continuances	
KERS 1	CERS 2	SPRS 0
	Discontinuances	
KERS 0	CERS 2	SPRS 0
	Reinstatements	
KERS 0	CERS 0	SPRS 0
	<u>Approvals</u>	
KERS 0	CERS 1	SPRS 0
	<u>Dismissals</u>	
KERS 0	CERS 0	SPRS 0

RECOMMENDATION: This is for informational purposes only. No action is required by the Board.



The experience and dedication you deserve

February 18, 2015

Mr. William A. Thielen Executive Director Kentucky Retirement Systems Perimeter Park West 1260 Louisville Road Frankfort, KY 40601

Subject: Thirty-Year Projection for KERS Non-Hazardous Pension Fund

Dear Bill:

As requested, we have modified the results of the twenty-year projection of the KERS Non-Hazardous Pension Fund which assumed an additional contribution of \$5.0 billion is made to the Fund in Fiscal Year 2017. The source of the additional contribution is a proposed Pension Obligation Bond (POB) issued by the State. For the purposes discussed in this letter, the POB will mature in 30 years. The State will pay an annual debt service of \$334,447,000.

The attached tables show the results over a thirty-year period.

Disclaimers, Caveats, and Limitations

The results shown in the numerical charts enclosed were performed using the recommended actuarial assumptions from the 5-year Experience Investigation ending June 30, 2013, applied to the June 30, 2014 valuation. Significant items are noted below:

- The investment return in all future years is assumed to be 7.50% on a market value basis, unless otherwise indicated.
- All demographic assumptions regarding mortality, disability, retirement, salary increases, and termination of employment are assumed to hold true in the future.
- Changes in the plan design and resulting benefit amounts as a result of SB2 may have an effect on future termination and retirement patterns. Whether, and how, retirement and termination of employment patterns will ultimately be impacted cannot be known at this time. Therefore, no change in those assumptions was reflected in our modeling results.



Mr. William A. Thielen February 18, 2015 Page 2

- The number of active members covered by KRS in the future is assumed to remain level (neither growth nor decline in the active membership count). As active members leave covered employment, they are assumed to be replaced by new employees who have a similar demographic profile as recent new hires.
- Plan provisions for current members are modified as disclosed earlier in this letter. New hire benefits are as provided under SB2. There are no other benefit changes reflected in future years.
- The funding methods, including the entry age normal cost method, the asset smoothing method, and the amortization method and period, remain unchanged over the projection period from that required by the statutory changes of SB2.
- Projections reflect the budgeted contribution amounts through FY 2015-2016, and actuarially determined contributions thereafter.
- The POB debt service amounts were determined by the Office of Financial Management.

Projections are designed to identify anticipated trends rather than predicting some future state of events. The projections are based on the Systems' estimated financial status on June 30, 2014, and project future events using one set of assumptions out of a range of many possibilities. A different set of assumptions would lead to different results. The projections do not predict the Systems' financial condition or their ability to pay benefits in the future and do not provide any guarantee of future financial soundness of the Systems. Over time, a defined benefit plan's total cost will depend on a number of factors, including the amount of benefits paid, the number of people paid benefits, the duration of the benefit payments, plan expenses, and the amount of earnings on assets invested to pay benefits. These amounts and other variables are uncertain and unknowable at the time the projections were prepared. Because not all of the assumptions will unfold exactly as expected, actual results will differ from the projections. To the extent that actual experience deviates significantly from the assumptions, results could be significantly better or significantly worse than indicated in the enclosed tables.

I certify that I am a member of the American Academy of Actuaries and that I meet the Qualification Standards of the American Academy of Actuaries to render the actuarial opinion contained herein.

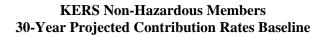
If you have any questions, please give us a call.

Todal B. C

Sincerely,

Todd B. Green ASA, FCA, MAAA Principal and Consulting Actuary

Enc.





Valuation Date June 30	Unfunded Liability at Valuation Date	Projected Funded Ratio at Valuation Date	FY Year Ending	Projected Salaries	Employer Contribution \$	Employer Contribution as a % of Salaries
2014	\$9,714,405,621	19.97%	2016	\$1,655,007,191	\$510,404,217	30.84%
2015	\$10,050,103,910	18.74%	2017	\$1,715,109,167	\$632,017,728	36.85%
2016	\$10,319,416,552	17.15%	2018	\$1,779,010,501	\$655,565,369	36.85%
2017	\$10,436,524,173	16.77%	2019	\$1,845,814,721	\$682,582,284	36.98%
2018	\$10,556,977,263	16.35%	2020	\$1,915,519,627	\$708,359,158	36.98%
2019	\$10,689,987,233	15.82%	2021	\$1,988,888,846	\$731,911,096	36.80%
2020	\$10,806,964,657	15.40%	2022	\$2,066,016,111	\$760,293,928	36.80%
2021	\$10,908,448,851	15.09%	2023	\$2,146,463,070	\$787,966,592	36.71%
2022	\$10,988,062,692	14.93%	2024	\$2,230,758,933	\$818,911,604	36.71%
2023	\$11,045,306,001	14.92%	2025	\$2,319,314,960	\$849,565,070	36.63%
2024	\$11,075,411,831	15.11%	2026	\$2,412,052,985	\$883,535,009	36.63%
2025	\$11,076,877,615	15.51%	2027	\$2,508,716,486	\$916,434,133	36.53%
2026	\$11,043,818,307	16.16%	2028	\$2,608,073,375	\$952,729,204	36.53%
2027	\$10,974,666,745	17.05%	2029	\$2,710,310,360	\$986,552,971	36.40%
2028	\$10,863,507,739	18.23%	2030	\$2,816,459,461	\$1,025,191,244	36.40%
2029	\$10,709,698,869	19.68%	2031	\$2,927,115,034	\$1,064,299,026	36.36%
2030	\$10,505,399,117	21.46%	2032	\$3,043,029,539	\$1,106,445,540	36.36%
2031	\$10,246,325,238	23.62%	2033	\$3,164,082,016	\$1,150,460,221	36.36%
2032	\$9,925,462,194	26.22%	2034	\$3,290,511,178	\$1,196,429,864	36.36%
2033	\$9,536,395,838	29.30%	2035	\$3,560,653,520	\$1,293,585,424	36.33%
2034	\$9,071,970,138	32.92%	2036	\$3,706,551,085	\$1,346,590,009	36.33%
2035	\$8,525,444,639	37.13%	2037	\$3,860,446,276	\$1,401,728,043	36.31%
2036	\$7,887,399,205	41.99%	2038	\$4,021,454,968	\$1,460,190,299	36.31%
2037	\$7,148,811,795	47.60%	2039	\$4,189,060,689	\$1,518,534,500	36.25%
2038	\$6,298,697,261	54.03%	2040	\$4,362,723,404	\$1,581,487,234	36.25%
2039	\$5,328,546,442	61.33%	2041	\$4,542,022,630	\$1,641,941,181	36.15%
2040	\$4,224,363,702	69.57%	2042	\$4,727,623,355	\$1,709,035,843	36.15%
2041	\$2,978,479,277	78.73%	2043	\$4,919,743,700	\$1,773,567,604	36.05%
2042	\$1,573,860,610	88.87%	2044	\$5,118,592,281	\$1,845,252,517	36.05%
2043	\$1,374,078	99.99%	2045	\$5,324,463,916	\$113,943,528	2.14%
2044	(\$1,758,844,992)	112.14%	2046	\$5,537,642,853	\$118,505,557	2.14%
2045	(\$3,084,355,883)	122.80%	2047	\$5,759,106,396	\$121,517,145	2.11%
2046	(\$3,348,365,236)	124.13%	2048	\$5,989,448,761	\$126,377,369	2.11%



KERS Non-Hazardous Members 30-Year Projected Contribution Rates Based on an Additional \$5.0 Billion Dollar Contribution in Fiscal Year 2017

Valuation Date June 30	Unfunded Liability at Valuation Date	Projected Funded Ratio at Valuation Date	FY Year Ending	Projected Salaries	Employer Contribution as a % of Salaries	Employer Contribution In \$'s	POB Debt Service Cost	Total Annual Cost	Annual (Savings)/Cost
2014	\$9,714,405,616	19.97%	2016	\$1,655,007,191	30.84%	\$510,404,217	\$0	\$510,404,217	\$0
2015	\$10,050,103,910	18.74%	2017	\$1,715,109,167	36.85%	\$632,017,728	\$0	\$632,017,728	\$0
2016	\$10,319,416,552	17.15%	2018	\$1,779,010,501	36.85%	\$655,565,369	\$0	\$655,565,369	\$0
2017	\$5,249,024,173	58.14%	2019	\$1,845,814,721	20.26%	\$373,962,062	\$334,447,000	\$708,409,062	\$25,826,778
2018	\$4,980,414,763	60.54%	2020	\$1,915,519,627	20.26%	\$388,084,277	\$334,447,000	\$722,531,277	\$14,172,119
2019	\$5,015,376,026	60.50%	2021	\$1,988,888,846	18.91%	\$376,098,881	\$334,447,000	\$710,545,881	(\$21,365,215)
2020	\$5,039,042,798	60.55%	2022	\$2,066,016,111	18.91%	\$390,683,646	\$334,447,000	\$725,130,646	(\$35,163,282)
2021	\$5,077,088,025	60.48%	2023	\$2,146,463,070	18.64%	\$400,100,716	\$334,447,000	\$734,547,716	(\$53,418,876)
2022	\$5,102,820,471	60.49%	2024	\$2,230,758,933	18.64%	\$415,813,465	\$334,447,000	\$750,260,465	(\$68,651,139)
2023	\$5,121,081,460	60.55%	2025	\$2,319,314,960	18.46%	\$428,145,541	\$334,447,000	\$762,592,541	(\$86,972,529)
2024	\$5,125,084,768	60.72%	2026	\$2,412,052,985	18.46%	\$445,264,981	\$334,447,000	\$779,711,981	(\$103,823,028)
2025	\$5,117,498,783	60.97%	2027	\$2,508,716,486	18.29%	\$458,844,246	\$334,447,000	\$793,291,246	(\$123,142,887)
2026	\$5,092,191,217	61.34%	2028	\$2,608,073,375	18.29%	\$477,016,620	\$334,447,000	\$811,463,620	(\$141,265,584)
2027	\$5,051,417,131	61.82%	2029	\$2,710,310,360	18.11%	\$490,837,206	\$334,447,000	\$825,284,206	(\$161,268,765)
2028	\$4,989,566,210	62.44%	2030	\$2,816,459,461	18.11%	\$510,060,808	\$334,447,000	\$844,507,808	(\$180,683,436)
2029	\$4,909,516,831	63.18%	2031	\$2,927,115,034	17.98%	\$526,295,283	\$334,447,000	\$860,742,283	(\$203,556,743)
2030	\$4,804,651,254	64.08%	2032	\$3,043,029,539	17.98%	\$547,136,711	\$334,447,000	\$881,583,711	(\$224,861,829)
2031	\$4,676,200,168	65.14%	2033	\$3,164,082,016	17.86%	\$565,105,048	\$334,447,000	\$899,552,048	(\$250,908,173)
2032	\$4,517,860,654	66.41%	2034	\$3,290,511,178	17.86%	\$587,685,296	\$334,447,000	\$922,132,296	(\$274,297,568)
2033	\$4,330,530,175	67.89%	2035	\$3,560,653,520	17.73%	\$631,303,869	\$334,447,000	\$965,750,869	(\$327,834,555)
2034	\$4,107,237,039	69.63%	2036	\$3,706,551,085	17.73%	\$657,171,507	\$334,447,000	\$991,618,507	(\$354,971,502)
2035	\$3,848,818,826	71.62%	2037	\$3,860,446,276	17.60%	\$679,438,545	\$334,447,000	\$1,013,885,545	(\$387,842,498)
2036	\$3,547,143,569	73.91%	2038	\$4,021,454,968	17.60%	\$707,776,074	\$334,447,000	\$1,042,223,074	(\$417,967,225)
2037	\$3,202,538,783	76.52%	2039	\$4,189,060,689	17.43%	\$730,153,278	\$334,447,000	\$1,064,600,278	(\$453,934,222)
2038	\$2,805,829,129	79.52%	2040	\$4,362,723,404	17.43%	\$760,422,689	\$334,447,000	\$1,094,869,689	(\$486,617,545)
2039	\$2,358,932,443	82.88%	2041	\$4,542,022,630	17.20%	\$781,227,892	\$334,447,000	\$1,115,674,892	(\$526,266,289)
2040	\$1,849,974,171	86.67%	2042	\$4,727,623,355	17.20%	\$813,151,217	\$334,447,000	\$1,147,598,217	(\$561,437,626)
2041	\$1,283,749,219	90.83%	2043	\$4,919,743,700	16.74%	\$823,565,095	\$334,447,000	\$1,158,012,095	(\$615,555,509)
2042	\$645,015,833	95.44%	2044	\$5,118,592,281	16.74%	\$856,852,348	\$334,447,000	\$1,191,299,348	(\$653,953,169)
2043	(\$49,996,085)	100.35%	2045	\$5,324,463,916	2.11%	\$112,346,189	\$334,447,000	\$446,793,189	\$332,849,661
2044	(\$828,440,314)	105.72%	2046	\$5,537,642,853	2.11%	\$116,844,264	\$334,447,000	\$451,291,264	\$332,785,707
2045	(\$2,082,577,692)	115.39%	2047	\$5,759,106,396	2.11%	\$121,517,145	\$334,447,000	\$455,964,145	\$334,447,000
2046	(\$2,269,796,440)	116.36%	2048	\$5,989,448,761	2.11%	\$126,377,369	\$334,447,000	\$460,824,369	\$334,447,000