



2021 Regular Session House Bill 8

House Bill (HB) 8 changes the method of calculating the Kentucky Employees Retirement System (KERS) Nonhazardous employer contribution from percent of pay to a two-part calculation. This includes a requirement that each KERS Nonhazardous employer pay its own portion of the total KERS Nonhazardous unfunded pension liability regardless of covered payroll.

Employer Cost Components

Employer contributions have two components. The **normal cost** covers the benefit accruals active participants will earn during the upcoming year toward their retirement and insurance benefits. The normal cost for pension and insurance combined is 10.10%. The second component is the unfunded liability. The **unfunded liability cost** represents the benefit accruals a member has already earned that were not fully funded. The majority of unfunded liability costs represent benefits accrued by retired members.

Currently, the unfunded liability cost is calculated using a percentage of covered payroll. HB 8 changes the calculation of the unfunded liability cost to a dollar amount that is based on the portion of the KERS Nonhazardous plan's total unfunded liability (as of the June 30, 2019 Actuarial Valuation) that is attributable to each employer's current and former employees.

Effective July 1, 2021, the unfunded liability cost will be a dollar amount assigned to each KERS Nonhazardous employer, rather than the same percentage of payroll for all employers in the plan. Prior to being submitted, House Bill 8 was vetted by several experts and it was determined that it did not eliminate the ability for employers to continue to receive federal funds toward both the normal cost and unfunded liability amount of the employer contribution. [Learn more about employer cost components.](#)

Required Contributions

As of December 2020, the Kentucky Public Pensions Authority (KPPA) actuary calculated the required contributions for KERS Nonhazardous employers under the proposed legislation (Bill Request 424). Employers can access the details of this calculation below. Please note the following:

- Actual normal cost contributions during the fiscal year will be based on each employer's actual reported payroll for Fiscal Year 2022 (July 1, 2021 – June 30, 2022) multiplied by the normal cost of 10.10%
- The required **contribution as a percent of pay** amount in column 10 is for illustrative purposes only.
- Actual required contributions for Fiscal Year 2022 will be equal to 10.10% of an employer's payroll for Fiscal Year 2022, plus the amortized cost for the unfunded liability reflected in column 7.

Employer Contributions and Unfunded Liability Payments

All KERS Nonhazardous employers will continue to contribute each month based on creditable compensation earned by each employee eligible for participation in a system operated by KPPA. Beginning July 1, 2021, this contribution rate will represent only the normal cost of 10.10%.

Employers will also be invoiced for the dollar amount due for their share of the unfunded liability cost. Reporting Officials will receive email notification each month when their Actuarially Accrued Liability Contribution (AALC) Invoice is available. This invoice is due each month by the tenth as part of the monthly reporting process. If a KERS Nonhazardous employer fails to pay their AALC Invoice for a period of 90 days or more, current employees participating with that employer will not accrue additional service credit until the employer pays all employer contributions owed, and the employer's general fund appropriations may be intercepted by the Finance and Administration Cabinet on behalf of KERS and used to pay the employer contributions owed.



Executive, legislative and judicial branch employers are different in that no AALC invoice will be created for them. HB 8 considers all of the participating agencies that fall under their umbrellas to be a singular unit, and has billed the AALC for the entire branch to the branch leadership. Each branch's leadership must decide how to account for these amounts with each agency. They will report only the normal cost (10.10% of payroll) with their monthly KERS employer report. The amount they owe for the AALC is paid to the branch leadership as directed by each branch:

- All executive branch departments, program cabinets and their respective departments, and administrative bodies enumerated in KRS 12.020, and any other executive branch agencies administratively attached to these entities, are considered a single individual employer and only one amount will be invoiced for these employers. The Office of the State Budget Director is the HB 8 contact for the Executive Branch.
- All employers of the legislative branch, including the Legislative Research Commission and the General Assembly that covers legislators and staff who participate in the Kentucky Employees Retirement System, are considered a single individual employer and only one amount will be invoiced for these employers. The Chief Fiscal Officer for the Legislative Research Commission is the HB 8 contact for the legislative branch.
- All employers of the judicial branch, including the Administrative Office of the Courts, the Judicial Form Retirement System, and all master commissioners, are considered a single individual employer and only one amount will be invoiced for these employers. The Director of the Administrative Office of the Courts is the HB 8 contact for the judicial branch.

Right to Appeal

An employer who is not in the executive, legislative, or judicial branch of state government may appeal to the Kentucky Retirement Systems (KRS) Board that administers KERS on or before July 1, 2021 regarding any current or former employees or retirees the employer believes should not be used to determine the employer's percentage of the actuarially accrued contribution. [Read more here](#)

House Bill 8 does not provide appeal rights to executive, legislative or judicial branch agencies.

**Kentucky Employees Retirement Plan (Nonhazardous) - Retirement and Insurance Combined
Actuarial Analysis of Bill Request 424**

Exhibit 1. Calculation of Employer Required Contributions under Proposed Legislation

Agency Name ³ (1)	Agency Classification ³ (2)	Projected Payroll FY 21/22 (3)	Fixed Percentage of the Total Amortization Cost		Required Contribution ¹			Effective Employer Contribution Rate ² Required Contribution / Payroll		
			Accrued Liability based on June 30, 2019 Valuation (4)	Fixed Allocation of Amortization Cost (5) = (4) / \$19,128M	Normal Cost Contributions (6) = (3) x 10.10%	Amortization Cost (7) = (5) x \$1,040M	Total Required Contribution (8) = (6) + (7)	Normal Cost Contributions (9) = (6) / (3)	Amortization Cost (10) = (7) / (3)	Total Estimated Required Contribution as a % of Projected Pay (11) = (8) / (3)
LEGISLATIVE BRANCH AGENCIES	LEGISLATIVE BRANCH	21,425,535	343,338,931	1.79500%	2,163,979	18,665,294	20,829,273	10.10%	87.12%	97.22%
JUDICIAL BRANCH AGENCIES	JUDICIAL BRANCH	60,337,522	469,266,488	2.45336%	6,094,090	25,511,246	31,605,336	10.10%	42.28%	52.38%
EXECUTIVE BRANCH AGENCIES	EXECUTIVE BRANCH	1,005,690,168	14,434,001,594	75.46198%	101,574,707	784,690,828	886,265,535	10.10%	78.03%	88.13%
LEX FAYETTE CO HLTH DEPT	Health Departments	6,352,348	89,050,918	0.46556%	641,587	4,841,122	5,482,709	10.10%	76.21%	86.31%
LAKE CUMBERLAND DISTRICT	Health Departments	5,091,437	73,620,021	0.38489%	514,235	4,002,276	4,516,511	10.10%	78.61%	88.71%
BARREN RVR DIST HLTH DEPT	Health Departments	3,155,170	68,855,538	0.35998%	318,672	3,743,249	4,061,921	10.10%	118.64%	128.74%
GREEN RVR DIST HLTH DEPT	Health Departments	5,613,414	82,561,808	0.43164%	566,955	4,488,405	5,055,360	10.10%	79.96%	90.06%
NORTHERN KY DIST HLTH DEP	Health Departments	5,952,172	54,194,473	0.28333%	601,169	2,946,205	3,547,374	10.10%	49.50%	59.60%
LINCOLN TRL DIST HLTH DEP	Health Departments	3,303,056	67,158,260	0.35111%	333,609	3,651,015	3,984,624	10.10%	110.53%	120.63%
KY RIVER DIST HEALTH DEPT	Health Departments	2,506,336	70,590,492	0.36905%	253,140	3,837,564	4,090,704	10.10%	153.11%	163.21%
MADISON CO HEALTH DEP	Health Departments	3,408,628	53,565,044	0.28004%	344,271	2,911,994	3,256,265	10.10%	85.43%	95.53%
CUMBERLAND VLY DIST HEALT	Health Departments	1,686,688	89,949,862	0.47026%	170,355	4,889,995	5,060,350	10.10%	289.92%	300.02%
WEDCO DIST HEALTH DEPT	Health Departments	2,553,392	28,173,710	0.14729%	257,893	1,531,594	1,789,487	10.10%	59.98%	70.08%
FRANKLIN CO HEALTH DEPT	Health Departments	2,258,366	22,689,496	0.11862%	228,095	1,233,469	1,461,564	10.10%	54.62%	64.72%
WHITLEY CO HEALTH DEPT	Health Departments	1,584,248	28,890,387	0.15104%	160,009	1,570,588	1,730,597	10.10%	99.14%	109.24%
PIKE CO HEALTH DEPT	Health Departments	1,694,765	25,165,288	0.13157%	171,171	1,368,130	1,539,301	10.10%	80.73%	90.83%
THREE RIVERS DIST HLTH	Health Departments	1,603,709	22,852,018	0.11947%	161,975	1,242,308	1,404,283	10.10%	77.46%	87.56%
KNOX CO HEALTH DEPT	Health Departments	1,572,717	28,079,768	0.14680%	158,844	1,526,499	1,685,343	10.10%	97.06%	107.16%
PURCHASE DIST HLTH DEPT	Health Departments	1,565,332	44,833,499	0.23439%	158,099	2,437,303	2,595,402	10.10%	155.71%	165.81%
CLARK CO HEALTH DEPT	Health Departments	1,296,765	17,846,746	0.09330%	130,973	970,179	1,101,152	10.10%	74.82%	84.92%
GATEWAY DIST HEALTH DEPT	Health Departments	2,108,078	29,474,251	0.15409%	212,916	1,602,304	1,815,220	10.10%	76.01%	86.11%
N CENTRAL DIST HLTH DEPT	Health Departments	1,373,203	21,562,812	0.11273%	138,694	1,172,222	1,310,916	10.10%	85.36%	95.46%
BREATHITT CO HEALTH DEPT	Health Departments	1,181,013	18,565,852	0.09706%	119,282	1,009,278	1,128,560	10.10%	85.46%	95.56%
PENNYRILE DIST HLTH DEPT	Health Departments	1,123,919	16,344,611	0.08545%	113,516	888,551	1,002,067	10.10%	79.06%	89.16%
MARSHALL CO HEALTH DEPT	Health Departments	1,089,849	17,193,457	0.08989%	110,075	934,720	1,044,795	10.10%	85.77%	95.87%
CHRISTIAN CO HEALTH DEPT	Health Departments	1,300,943	13,360,854	0.06985%	131,395	726,335	857,730	10.10%	55.83%	65.93%
MONTGOMERY CO HEALTH DEPT	Health Departments	1,276,491	11,887,257	0.06215%	128,926	646,266	775,192	10.10%	50.63%	60.73%
HOPKINS CO HEALTH DEPT	Health Departments	1,525,626	17,815,060	0.09314%	154,088	968,516	1,122,604	10.10%	63.48%	73.58%
JOHNSON CO HEALTH DEPT	Health Departments	1,188,756	15,484,079	0.08095%	120,064	841,758	961,822	10.10%	70.81%	80.91%
FLOYD CO HEALTH CENTER	Health Departments	974,974	12,800,870	0.06692%	98,472	695,867	794,339	10.10%	71.37%	81.47%
ASHLAND BOYD CO HEALTH DP	Health Departments	996,910	17,780,422	0.09296%	100,688	966,644	1,067,332	10.10%	96.96%	107.06%
LAUREL CO HEALTH DEPT	Health Departments	1,097,868	14,475,341	0.07568%	110,885	786,958	897,843	10.10%	71.68%	81.78%
BULLITT CO HEALTH DEPT	Health Departments	1,226,387	13,823,739	0.07227%	123,865	751,499	875,364	10.10%	61.28%	71.38%
BELL CO HEALTH DEPT	Health Departments	882,868	10,731,667	0.05611%	89,170	583,459	672,629	10.10%	66.09%	76.19%
GREENUP CO HLTH DEPT	Health Departments	890,487	11,509,071	0.06017%	89,939	625,677	715,616	10.10%	70.26%	80.36%
JESSAMINE CO HEALTH DEPT	Health Departments	890,093	8,686,531	0.04541%	89,899	472,196	562,095	10.10%	53.05%	63.15%
GRAVES CO HEALTH CENTER	Health Departments	1,036,104	6,110,503	0.03195%	104,647	332,232	436,879	10.10%	32.07%	42.17%
HARLAN CO HEALTH DEPT	Health Departments	651,241	7,218,470	0.03774%	65,775	392,439	458,214	10.10%	60.26%	70.36%
OLDHAM CO HEALTH DEPT	Health Departments	967,052	10,480,598	0.05479%	97,672	569,733	667,405	10.10%	58.91%	69.01%
ALLEN CO HEALTH DEPT	Health Departments	856,279	7,911,333	0.04136%	86,484	430,082	516,566	10.10%	50.23%	60.33%
BUFFALO TRACE HEALTH DEPT	Health Departments	667,333	10,788,599	0.05640%	67,401	586,475	653,876	10.10%	87.88%	97.98%
MUHLENBERG CO.HEALTH DEPT	Health Departments	690,447	7,886,100	0.04123%	69,735	428,730	498,465	10.10%	62.09%	72.19%
MERCER CO HEALTH DEPT	Health Departments	469,848	10,106,660	0.05284%	47,455	549,456	596,911	10.10%	116.94%	127.04%
LAWRENCE CO HEALTH DEPT	Health Departments	705,934	3,868,705	0.02023%	71,299	210,362	281,661	10.10%	29.80%	39.90%
WOODFORD CO HEALTH DEPT	Health Departments	440,222	5,453,322	0.02851%	44,462	296,461	340,923	10.10%	67.34%	77.44%
CALLOWAY CO HEALTH DEPT	Health Departments	586,271	4,137,638	0.02163%	59,213	224,919	284,132	10.10%	38.36%	48.46%
MAGOFFIN CO HEALTH DEPT	Health Departments	473,550	6,467,092	0.03381%	47,829	351,573	399,402	10.10%	74.24%	84.34%
MARTIN CO HEALTH DEPT	Health Departments	414,117	5,286,010	0.02764%	41,826	287,414	329,240	10.10%	69.40%	79.50%
BOYLE CO HEALTH DEPT	Health Departments	483,047	6,346,920	0.03318%	48,788	345,022	393,810	10.10%	71.43%	81.53%
BOURBON CO HEALTH CENTER	Health Departments	545,937	10,577,403	0.05530%	55,140	575,037	630,177	10.10%	105.33%	115.43%
ANDERSON CO HEALTH DEPT	Health Departments	359,508	5,076,042	0.02654%	36,310	275,976	312,286	10.10%	76.76%	86.86%
LEWIS CO HEALTH DEPT	Health Departments	448,079	3,061,131	0.01600%	45,256	166,376	211,632	10.10%	37.13%	47.23%
ESTILL CO HEALTH DEPT	Health Departments	223,878	5,579,547	0.02917%	22,612	303,324	325,936	10.10%	135.49%	145.59%
LINCOLN CO HEALTH DEPT	Health Departments	451,096	4,897,375	0.02560%	45,561	266,201	311,762	10.10%	59.01%	69.11%
BRECKINRIDGE CO HEALTH BD	Health Departments	432,068	7,704,261	0.04028%	43,639	418,851	462,490	10.10%	96.94%	107.04%
GRAYSON COUNTY HEALTH DEPT	Health Departments	483,387	4,598,067	0.02404%	48,822	249,980	298,802	10.10%	51.71%	61.81%
GARRARD COUNTY HEALTH DPT	Health Departments	330,436	3,926,271	0.02053%	33,374	213,481	246,855	10.10%	64.61%	74.71%



**Kentucky Employees Retirement Plan (Nonhazardous) - Retirement and Insurance Combined
Actuarial Analysis of Bill Request 424**

Exhibit 1. Calculation of Employer Required Contributions under Proposed Legislation

Agency Name ³ (1)	Agency Classification ³ (2)	Projected Payroll FY 21/22 (3)	Fixed Percentage of the Total Amortization Cost		Required Contribution ¹			Effective Employer Contribution Rate ² Required Contribution / Payroll		
			Accrued Liability based on June 30, 2019 Valuation (4)	Fixed Allocation of Amortization Cost (5) = (4) / \$19,128M	Normal Cost Contributions (6) = (3) x 10.10%	Amortization Cost (7) = (5) x \$1,040M	Total Required Contribution (8) = (6) + (7)	Normal Cost Contributions (9) = (6) / (3)	Amortization Cost (10) = (7) / (3)	Total Estimated Required Contribution as a % of Projected Pay (11) = (8) / (3)
TODD CO HEALTH DEPT	Health Departments	299,524	4,687,868	0.02451%	30,252	254,867	285,119	10.10%	85.09%	95.19%
FLEMING CO HEALTH DEP	Health Departments	329,868	4,386,549	0.02293%	33,317	238,437	271,754	10.10%	72.28%	82.38%
MONROE CO HEALTH DEPT	Health Departments	255,878	3,137,459	0.01640%	25,844	170,535	196,379	10.10%	66.65%	76.75%
BRACKEN CO HEALTH DEPT	Health Departments	343,433	2,410,616	0.01260%	34,687	131,021	165,708	10.10%	38.15%	48.25%
POWELL CO HEALTH DEPT	Health Departments	249,359	4,200,545	0.02196%	25,185	228,351	253,536	10.10%	91.58%	101.68%
CARTER CO HEALTH DEPT	Health Departments	339,213	5,555,239	0.02904%	34,261	301,972	336,233	10.10%	89.02%	99.12%
KY HIGHER ED STUD LN CORP	Non-P1 State Assoc/Corp.	11,328,215	81,896,904	0.42816%	1,144,150	4,452,219	5,596,369	10.10%	39.30%	49.40%
KENTUCKY HOUSING CORP	Non-P1 State Assoc/Corp.	10,513,748	98,280,874	0.51382%	1,061,889	5,342,953	6,404,842	10.10%	50.82%	60.92%
CSG HEADQUARTERS	Non-P1 State Assoc/Corp.	3,569,873	19,274,916	0.10077%	360,557	1,047,856	1,408,413	10.10%	29.35%	39.45%
KET FOUNDATION	Non-P1 State Assoc/Corp.	1,672,922	15,066,238	0.07877%	168,965	819,089	988,054	10.10%	48.96%	59.06%
ASST OF COMMONWEALTH ATTY	Non-P1 State Assoc/Corp.	1,040,758	5,807,856	0.03036%	105,117	315,698	420,815	10.10%	30.33%	40.43%
HIGHSCHOOL ATHLETIC ASSOC	Non-P1 State Assoc/Corp.	135,887	1,413,847	0.00739%	13,725	76,845	90,570	10.10%	56.55%	66.65%
O A S I S	Non-P1 State Agencies	738,979	2,304,549	0.01205%	74,637	125,302	199,939	10.10%	16.96%	27.06%
KDVA	Non-P1 State Agencies	777,016	2,431,059	0.01271%	78,479	132,165	210,644	10.10%	17.01%	27.11%
B.R.A.S.S.	Non-P1 State Agencies	600,869	2,132,362	0.01115%	60,688	115,943	176,631	10.10%	19.30%	29.40%
BLUEGRASS RAPE CRISIS CTR	Non-P1 State Agencies	738,605	2,744,493	0.01435%	74,599	149,218	223,817	10.10%	20.20%	30.30%
SAFE HARBOR	Non-P1 State Agencies	857,090	1,312,696	0.00686%	86,566	71,334	157,900	10.10%	8.32%	18.42%
SANCTUARY INC	Non-P1 State Agencies	502,831	2,510,255	0.01312%	50,786	136,428	187,214	10.10%	27.13%	37.23%
LOTUS	Non-P1 State Agencies	791,779	1,074,054	0.00562%	79,970	58,440	138,410	10.10%	7.38%	17.48%
BETHANY HOUSE ABUSE SHEL	Non-P1 State Agencies	483,249	1,675,224	0.00876%	48,808	91,091	139,899	10.10%	18.85%	28.95%
SPRINGHAVEN INC	Non-P1 State Agencies	497,101	1,527,812	0.00799%	50,207	83,084	133,291	10.10%	16.71%	26.81%
KASAP	Non-P1 State Agencies	487,251	943,862	0.00493%	49,212	51,265	100,477	10.10%	10.52%	20.62%
SILVERLEAF	Non-P1 State Agencies	402,324	2,017,711	0.01055%	40,635	109,704	150,339	10.10%	27.27%	37.37%
WOMEN AWARE	Non-P1 State Agencies	228,407	975,811	0.00510%	23,069	53,032	76,101	10.10%	23.22%	33.32%
D.O.V.E.S.	Non-P1 State Agencies	447,458	1,319,147	0.00690%	45,193	71,750	116,943	10.10%	16.04%	26.13%
NURSING HOME OMBUDSMAN	Non-P1 State Agencies	237,582	879,808	0.00460%	23,996	47,833	71,829	10.10%	20.13%	30.23%
HOPE HARBOR INC	Non-P1 State Agencies	501,864	824,202	0.00431%	50,688	44,818	95,506	10.10%	8.93%	19.03%
KY OFFICE OF BAR ADMISSIO	Non-P1 State Agencies	155,606	2,552,890	0.01335%	15,716	138,820	154,536	10.10%	89.21%	99.31%
CHILD WATCH ADVOCACY CTR	Non-P1 State Agencies	230,995	759,321	0.00397%	23,330	41,282	64,612	10.10%	17.87%	27.97%
FRANKLIN CO COUNCIL AGING	Non-P1 State Agencies	116,388	2,147,140	0.01123%	11,755	116,775	128,530	10.10%	100.33%	110.43%
JUDI'S PLACE FOR KIDS, INC.	Non-P1 State Agencies	315,584	777,468	0.00406%	31,874	42,218	74,092	10.10%	13.38%	23.48%
CUMBERLAND V C A CENTER	Non-P1 State Agencies	267,641	821,917	0.00430%	27,032	44,714	71,746	10.10%	16.71%	26.81%
KY ASSOC OF REGIONAL PROG	Non-P1 State Agencies	118,750	1,817,343	0.00950%	11,994	98,786	110,780	10.10%	83.19%	93.29%
BARREN RIVER CHILD ADVOCA	Non-P1 State Agencies	352,179	406,450	0.00212%	35,570	22,045	57,615	10.10%	6.26%	16.36%
CHILD ADV CTR OF GRN RVR	Non-P1 State Agencies	84,400	572,517	0.00299%	8,524	31,091	39,615	10.10%	36.84%	46.94%
MUN ELEC POW ASSOC OF KY	Non-P1 State Agencies	135,853	1,745,743	0.00913%	13,721	94,938	108,659	10.10%	69.88%	79.98%
KY RIVER CHILD ADVOCACY	Non-P1 State Agencies	137,637	290,885	0.00152%	13,901	15,806	29,707	10.10%	11.48%	21.58%
PENNYRILE CHILD ADV CTR	Non-P1 State Agencies	156,216	460,162	0.00241%	15,778	25,060	40,838	10.10%	16.04%	26.14%
LAKE CUMB CHILD ADV CTR	Non-P1 State Agencies	153,294	545,959	0.00285%	15,483	29,636	45,119	10.10%	19.33%	29.43%
BUFFALO TR CHILD ADV INC	Non-P1 State Agencies	161,504	252,189	0.00132%	16,312	13,726	30,038	10.10%	8.50%	18.60%
NEW VISTA OF THE BLUEGRASS, INC.	Reg Mental Hlth Units	33,781,037	375,801,295	1.96471%	3,411,885	20,430,022	23,841,907	10.10%	60.48%	70.58%
CUMBERLAND RIVER MHMR	Reg Mental Hlth Units	9,268,064	98,266,354	0.51374%	936,074	5,342,122	6,278,196	10.10%	57.64%	67.74%
LIFESKILLS INC	Reg Mental Hlth Units	13,349,097	143,816,131	0.75188%	1,348,259	7,818,419	9,166,678	10.10%	58.57%	68.67%
COMMUNICARE INC	Reg Mental Hlth Units	5,182,445	66,588,437	0.34813%	523,427	3,620,027	4,143,454	10.10%	69.85%	79.95%
ADANTA/BEHAVIORAL HLTH SR	Reg Mental Hlth Units	3,640,830	89,023,918	0.46542%	367,724	4,839,666	5,207,390	10.10%	132.93%	143.03%
MOUNTAIN COMP CARE CENTER	Reg Mental Hlth Units	4,932,808	45,921,039	0.24008%	498,214	2,496,470	2,994,684	10.10%	50.61%	60.71%
GREEN RVR REG MHMR BD	Reg Mental Hlth Units	2,396,182	32,599,922	0.17043%	242,014	1,772,215	2,014,229	10.10%	73.96%	84.06%
NORTHERN KY REG MHMR BD	Reg Mental Hlth Units	135,991	57,312,274	0.29963%	13,735	3,115,700	3,129,435	10.10%	2291.11%	2301.21%
WESTERN KY REG MHMR ADV	Reg Mental Hlth Units	3,236,123	35,526,557	0.18574%	326,848	1,931,416	2,258,264	10.10%	59.68%	69.78%
COMPREHEND INC REG MHMR B	Reg Mental Hlth Units	4,212,094	29,064,447	0.15195%	425,421	1,580,051	2,005,472	10.10%	37.51%	47.61%
SEVEN CO SERVICES INC	Reg Mental Hlth Units	-	154,213,520	0.80624%	-	8,383,681	8,383,681	N/A	N/A	N/A
KY RIVER COMM CARE INC	Reg Mental Hlth Units	-	26,687,511	0.13952%	-	1,450,798	1,450,798	N/A	N/A	N/A
NORTHERN KY UNIVERSITY	Universities	34,069,223	216,716,312	1.13301%	3,440,992	11,781,596	15,222,588	10.10%	34.58%	44.68%
EASTERN KY UNIV	Universities	5,200,717	239,050,334	1.24977%	525,272	12,995,724	13,520,996	10.10%	249.88%	259.98%
KCTCS	Universities	17,933,365	156,357,525	0.81745%	1,811,270	8,500,248	10,311,518	10.10%	47.40%	57.50%
WESTERN KENTUCKY UNIV	Universities	15,052,063	180,798,950	0.94523%	1,520,258	9,828,967	11,349,225	10.10%	65.30%	75.40%
MURRAY STATE UNIV	Universities	8,180,790	133,053,240	0.69561%	826,260	7,233,295	8,059,555	10.10%	88.42%	98.52%
MOREHEAD STATE UNIVERSITY	Universities	3,798,957	121,265,619	0.63398%	383,695	6,592,436	6,976,131	10.10%	173.53%	183.63%
KENTUCKY STATE UNIVERSITY	Universities	4,582,383	44,391,511	0.23208%	462,821	2,413,282	2,876,103	10.10%	52.66%	62.76%



**Kentucky Employees Retirement Plan (Nonhazardous) - Retirement and Insurance Combined
Actuarial Analysis of Bill Request 424**

Exhibit 1. Calculation of Employer Required Contributions under Proposed Legislation

Agency Name ³ (1)	Agency Classification ³ (2)	Projected Payroll FY 21/22 (3)	Fixed Percentage of the Total Amortization Cost		Required Contribution ¹			Effective Employer Contribution Rate ² Required Contribution / Payroll		
			Accrued Liability based on June 30, 2019 Valuation (4)	Fixed Allocation of Amortization Cost (5) = (4) / \$19,128M	Normal Cost Contributions (6) = (3) x 10.10%	Amortization Cost (7) = (5) x \$1,040M	Total Required Contribution (8) = (6) + (7)	Normal Cost Contributions (9) = (6) / (3)	Amortization Cost (10) = (7) / (3)	Total Estimated Required Contribution as a % of Projected Pay (11) = (8) / (3)
ALLEN COUNTY ATTORNEY	County Attorneys	219,811	1,658,981	0.00867%	22,201	90,155	112,356	10.10%	41.01%	51.11%
ANDERSON COUNTY ATTORNEY	County Attorneys	106,316	1,971,500	0.01031%	10,738	107,208	117,946	10.10%	100.84%	110.94%
BARREN COUNTY ATTORNEY	County Attorneys	132,522	2,875,029	0.01503%	13,385	156,289	169,674	10.10%	117.93%	128.03%
BATH COUNTY ATTORNEY	County Attorneys	-	2,729	0.00001%	-	104	104	N/A	N/A	N/A
BELL COUNTY ATTORNEY	County Attorneys	118,560	1,931,690	0.01010%	11,975	105,025	117,000	10.10%	88.58%	98.68%
BOONE COUNTY ATTORNEY	County Attorneys	433,417	5,092,956	0.02663%	43,775	276,912	320,687	10.10%	63.89%	73.99%
BOYLE COUNTY ATTORNEY	County Attorneys	-	155,378	0.00081%	-	8,423	8,423	N/A	N/A	N/A
BRECKINRIDGE CO ATTORNEY	County Attorneys	165,146	1,029,674	0.00538%	16,680	55,944	72,624	10.10%	33.88%	43.98%
BULLITT COUNTY ATTORNEY	County Attorneys	-	703,350	0.00368%	-	38,266	38,266	N/A	N/A	N/A
CALLOWAY COUNTY ATTORNEY	County Attorneys	-	54,643	0.00029%	-	3,016	3,016	N/A	N/A	N/A
CARROLL COUNTY ATTORNEY	County Attorneys	35,254	873,614	0.00457%	3,561	47,521	51,082	10.10%	134.80%	144.90%
CASEY COUNTY ATTORNEY	County Attorneys	168,437	947,428	0.00495%	17,012	51,473	68,485	10.10%	30.56%	40.66%
CHILD SUPPORT ENFORCEMENT	County Attorneys	323,558	255,979	0.00134%	32,679	13,934	46,613	10.10%	4.31%	14.41%
CHRISTIAN COUNTY ATTORNEY	County Attorneys	-	984,086	0.00514%	-	53,448	53,448	N/A	N/A	N/A
CLARK COUNTY ATTORNEY	County Attorneys	354,031	1,322,750	0.00692%	35,757	71,958	107,715	10.10%	20.33%	30.43%
CRITTENDEN CO ATTORNEY	County Attorneys	131,795	365,437	0.00191%	13,311	19,861	33,172	10.10%	15.07%	25.17%
DAVISS COUNTY ATTORNEY	County Attorneys	186,658	1,578,350	0.00825%	18,852	85,788	104,640	10.10%	45.96%	56.06%
EDMONSON COUNTY ATTORNEY	County Attorneys	186,741	474,886	0.00248%	18,861	25,788	44,649	10.10%	13.81%	23.91%
FAYETTE CO ATTORNEY OFF	County Attorneys	-	3,136,743	0.01640%	-	170,535	170,535	N/A	N/A	N/A
FLOYD COUNTY ATTORNEY	County Attorneys	126,787	1,121,075	0.00586%	12,805	60,935	73,740	10.10%	48.06%	58.16%
FRANKLIN COUNTY ATTORNEY	County Attorneys	160,098	4,833,960	0.02527%	16,170	262,770	278,940	10.10%	164.13%	174.23%
GARRARD COUNTY ATTORNEY	County Attorneys	49,239	988,761	0.00517%	4,973	53,760	58,733	10.10%	109.18%	119.28%
GRANT COUNTY CHILD SUPPOR	County Attorneys	-	363,477	0.00190%	-	19,757	19,757	N/A	N/A	N/A
GRAVES COUNTY ATTORNEY	County Attorneys	492,798	3,272,663	0.01711%	49,773	177,918	227,691	10.10%	36.10%	46.20%
HANCOCK COUNTY ATTORNEY	County Attorneys	-	386,098	0.00202%	-	21,005	21,005	N/A	N/A	N/A
HARRISON COUNTY ATTORNEY	County Attorneys	36,600	114,873	0.00060%	3,697	6,239	9,936	10.10%	17.05%	27.15%
HICKMAN COUNTY ATTORNEY	County Attorneys	184,874	1,028,593	0.00538%	18,672	55,944	74,616	10.10%	30.26%	40.36%
HOPKINS COUNTY ATTORNEY	County Attorneys	241,200	1,751,470	0.00916%	24,361	95,250	119,611	10.10%	39.49%	49.59%
JACKSON COUNTY ATTORNEY	County Attorneys	-	700,551	0.00366%	-	38,058	38,058	N/A	N/A	N/A
JEFFERSON CO ATTORNEY	County Attorneys	128,215	17,151,984	0.08967%	12,950	932,433	945,383	10.10%	727.24%	737.34%
JOHNSON COUNTY ATTORNEY	County Attorneys	-	230,506	0.00121%	-	12,582	12,582	N/A	N/A	N/A
KENTON COUNTY ATTORNEY	County Attorneys	-	1,021,997	0.00534%	-	55,528	55,528	N/A	N/A	N/A
KNOTT COUNTY ATTORNEY	County Attorneys	287,101	900,207	0.00471%	28,997	48,977	77,974	10.10%	17.06%	27.16%
KNOX COUNTY ATTORNEY	County Attorneys	-	5,454	0.00003%	-	312	312	N/A	N/A	N/A
LARUE COUNTY ATTORNEY	County Attorneys	261,000	1,041,769	0.00545%	26,361	56,672	83,033	10.10%	21.71%	31.81%
LAUREL COUNTY ATTORNEY	County Attorneys	72,261	353,526	0.00185%	7,298	19,237	26,535	10.10%	26.62%	36.72%
LAWRENCE COUNTY ATTORNEY	County Attorneys	-	144	0.00000%	-	-	-	N/A	N/A	N/A
LEE COUNTY ATTORNEY	County Attorneys	29,344	888,298	0.00464%	2,964	48,249	51,213	10.10%	164.43%	174.53%
LOGAN COUNTY ATTORNEY	County Attorneys	74,500	1,781,059	0.00931%	7,525	96,810	104,335	10.10%	129.95%	140.05%
MADISON COUNTY ATTORNEY	County Attorneys	306,724	6,472,384	0.03384%	30,979	351,885	382,864	10.10%	114.72%	124.82%
MAGOFFIN CO ATTORNEY	County Attorneys	77,059	195,563	0.00102%	7,783	10,606	18,389	10.10%	13.76%	23.86%
MCCRACKEN COUNTY ATTORNEY	County Attorneys	-	1,092,697	0.00571%	-	59,375	59,375	N/A	N/A	N/A
MCCREARY COUNTY ATTORNEY	County Attorneys	227,087	1,920,823	0.01004%	22,936	104,401	127,337	10.10%	45.97%	56.07%
MEADE COUNTY ATTORNEY	County Attorneys	192,938	1,485,282	0.00777%	19,487	80,796	100,283	10.10%	41.88%	51.98%
MENIFEE COUNTY ATTORNEY	County Attorneys	-	568,840	0.00297%	-	30,884	30,884	N/A	N/A	N/A
MERCER COUNTY ATTORNEY	County Attorneys	68,616	507,084	0.00265%	6,930	27,556	34,486	10.10%	40.16%	50.26%
MONROE CO ATTORNEY	County Attorneys	-	617,699	0.00323%	-	33,587	33,587	N/A	N/A	N/A
MONTGOMERY CO ATTORNEY	County Attorneys	154,822	1,684,951	0.00881%	15,637	91,611	107,248	10.10%	59.17%	69.27%
MORGAN COUNTY ATTORNEY	County Attorneys	276,181	1,815,404	0.00949%	27,894	98,682	126,576	10.10%	35.73%	45.83%
OLDHAM COUNTY ATTORNEY	County Attorneys	294,858	1,690,959	0.00884%	29,781	91,923	121,704	10.10%	31.18%	41.28%
OWEN COUNTY ATTORNEY	County Attorneys	154,599	490,212	0.00256%	15,614	26,620	42,234	10.10%	17.22%	27.32%
PENDLETON COUNTY ATTORNEY	County Attorneys	-	155,600	0.00081%	-	8,423	8,423	N/A	N/A	N/A
POWELL COUNTY ATTORNEY	County Attorneys	-	26,895	0.00014%	-	1,456	1,456	N/A	N/A	N/A
PULASKI COUNTY ATTORNEY	County Attorneys	587,791	1,602,159	0.00838%	59,367	87,139	146,506	10.10%	14.82%	24.92%
ROCKCASTLE CO ATTORNEY	County Attorneys	27,040	774,276	0.00405%	2,731	42,114	44,845	10.10%	155.75%	165.85%
ROWAN COUNTY ATTORNEY	County Attorneys	115,827	820,120	0.00429%	11,699	44,610	56,309	10.10%	38.51%	48.61%
SHELBY COUNTY ATTORNEY	County Attorneys	64,845	400,120	0.00209%	6,549	21,733	28,282	10.10%	33.52%	43.61%
SIMPSON COUNTY ATTORNEY	County Attorneys	35,224	521,989	0.00273%	3,558	28,388	31,946	10.10%	80.59%	90.69%

**Kentucky Employees Retirement Plan (Nonhazardous) - Retirement and Insurance Combined
Actuarial Analysis of Bill Request 424**

Exhibit 1. Calculation of Employer Required Contributions under Proposed Legislation

Agency Name ³ (1)	Agency Classification ³ (2)	Projected Payroll FY 21/22 (3)	Fixed Percentage of the Total Amortization Cost		Required Contribution ¹			Effective Employer Contribution Rate ² Required Contribution / Payroll		
			Accrued Liability based on June 30, 2019 Valuation (4)	Fixed Allocation of Amortization Cost (5) = (4) / \$19,128M	Normal Cost Contributions (6) = (3) x 10.10%	Amortization Cost (7) = (5) x \$1,040M	Total Required Contribution (8) = (6) + (7)	Normal Cost Contributions (9) = (6) / (3)	Amortization Cost (10) = (7) / (3)	Total Estimated Required Contribution as a % of Projected Pay (11) = (8) / (3)
SPENCER COUNTY ATTORNEY	County Attorneys	342,597	1,200,709	0.00628%	34,602	65,303	99,905	10.10%	19.06%	29.16%
TRIGG COUNTY ATTORNEY	County Attorneys	48,208	933,350	0.00488%	4,869	50,745	55,614	10.10%	105.26%	115.36%
TRIMBLE COUNTY ATTORNEY	County Attorneys	37,077	749,934	0.00392%	3,745	40,762	44,507	10.10%	109.94%	120.04%
UNION COUNTY ATTORNEY	County Attorneys	47,550	293,278	0.00153%	4,803	15,910	20,713	10.10%	33.46%	43.56%
WAYNE COUNTY ATTORNEY	County Attorneys	-	668,657	0.00350%	-	36,395	36,395	N/A	N/A	N/A
WEBSTER COUNTY ATTORNEY	County Attorneys	457,980	1,413,256	0.00739%	46,256	76,845	123,101	10.10%	16.78%	26.88%
WHITLEY COUNTY ATTORNEY	County Attorneys	333,255	2,013,956	0.01053%	33,659	109,496	143,155	10.10%	32.86%	42.96%
Total		1,387,760,907	19,127,526,963	100.00000%	140,163,855	1,039,849,248	1,180,013,103	10.10%	74.93%	85.03%
Agencies that have ceased participation in the System:										
KENTUCKY BAR ASSOCIATION	Non-P1 State Agencies	-	9,726,855	N/A	N/A	N/A	N/A	N/A	N/A	N/A
KENTUCKY ASSOCIATION OF CHILDREN'S ADVOCACY C	Non-P1 State Agencies	-	14,508	N/A	N/A	N/A	N/A	N/A	N/A	N/A
COMMONWEALTH CREDIT UNION	Non-P1 State Agencies	-	46,950,704	N/A	N/A	N/A	N/A	N/A	N/A	N/A
KENTUCKY EMPLOYERS MUTUAL INSURANCE	Non-P1 State Agencies	-	15,220,243	N/A	N/A	N/A	N/A	N/A	N/A	N/A
GATEWAY CHILD ADVOCACY	Non-P1 State Agencies	-	53,228	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total		1,387,760,907	19,199,492,501	100.00000%	140,163,855	1,039,849,248	1,180,013,103	10.10%	74.93%	85.03%

Summary of Above Information by Agency Classification

Agency Classification ³	Projected Payroll FY 21/22	Fixed Percentage of the Total Amortization Cost		Required Contribution ¹			Effective Employer Contribution Rate ² Required Contribution / Payroll		
		Accrued Liability based on June 30, 2019 Valuation	Fixed Allocation of Amortization Cost	Normal Cost Contributions	Amortization Cost	Total Required Contribution	Normal Cost Contributions	Amortization Cost	Total Estimated Required Contribution as a % of Projected Pay
Health Departments	83,859,117	1,281,433,525	6.69938%	8,469,772	69,663,452	78,133,224	10.10%	83.07%	93.17%
Non-P1 State Assoc/Corp.	28,261,403	221,740,635	1.15927%	2,854,403	12,054,660	14,909,063	10.10%	42.65%	52.75%
Non-P1 State Agencies	10,678,452	37,823,029	0.19775%	1,078,523	2,056,304	3,134,827	10.10%	19.26%	29.36%
Reg Mental Hlth Units	80,134,671	1,154,821,405	6.03747%	8,093,601	62,780,587	70,874,188	10.10%	78.34%	88.44%
Universities	88,817,498	1,091,633,491	5.70713%	8,970,568	59,345,548	68,316,116	10.10%	66.82%	76.92%
County Attorneys	8,556,541	93,467,865	0.48866%	864,212	5,081,329	5,945,541	10.10%	59.39%	69.49%
Legislative Branch	21,425,535	343,338,931	1.79500%	2,163,979	18,665,294	20,829,273	10.10%	87.12%	97.22%
Judicial Branch	60,337,522	469,266,488	2.45336%	6,094,090	25,511,246	31,605,336	10.10%	42.28%	52.38%
Executive Branch	1,005,690,168	14,434,001,594	75.46198%	101,574,707	784,690,828	886,265,535	10.10%	78.03%	88.13%
Total	1,387,760,907	19,127,526,963	100.00000%	140,163,855	1,039,849,248	1,180,013,103	10.10%	74.93%	85.03%

Notes and Assumptions

¹ Actual normal cost contributions will be based on an employer's actual salary for the fiscal year 2021/2022 multiplied by 10.10%.

² Required contribution as a percentage of pay shown for illustrative purposes only. Actual required contributions will be equal to 10.10% of an employer's actual payroll for fiscal year 2021/2022 plus the amortization cost shown in column (7).

³ Agency names and classification information has been provided to GRS by KRS. We have reviewed this data for consistency but did not audit the data. At KRS request, the \$7,237,775 actuarial accrued liability attributable to Little Sandy District Health (#3043) was reallocated evenly to Carter County Health Department (#3088) and Gateway District Health Department (#3036). GRS is not responsible for the accuracy or completeness of the information provided to us by KRS.