

Virginia Retirement System

Finance Division

Analysis of Teacher Employer Change in Net Pension Liability

For the Plan Year Ended and Measurement Date of June 30, 2019

Employer Code	Entity	6/30/2018 Net Pension Liability	PLUS: FY 2018 Deferred Inflows	LESS: FY 2018 Deferred Outflows	LESS: FY 2019 Deferred Investment Experience	LESS: FY 2019 Deferred Change In Proportion	LESS: FY 2019	PLUS: FY 2019	PLUS: FY 2019	PLUS: FY 2019	PLUS: FY 2019	PLUS: FY 2019 Employer Pension Expense	LESS: FY 2019 Employer Contribution	Calculated		Difference
							Deferred Inflows	Deferred Outflows	Deferred Inflows	Deferred Outflows	Deferred Outflows			Deferred Outflows	Deferred Outflows	
	VRS Teacher Plan Total	11,759,992,000	1,514,325,000	399,719,000	288,974,854	252,691,090	842,726,774	—	1,303,204,797	252,691,090	—	1,395,429,873	1,280,962,776	13,160,568,266	13,160,568,266	—
	Employer Allocation															
40100	Accomack County School Board	40,652,000	4,958,000	986,000	973,498	1,205,448	2,838,978	—	4,390,236	333,205	—	4,321,202	4,315,396	44,335,323	44,335,323	—
40101	Albemarle County Schools	133,078,000	14,549,000	3,754,000	3,348,381	176,344	9,764,759	—	15,100,364	4,184,737	—	17,467,609	14,843,405	152,492,821	152,492,821	—
40102	Alleghany County School Board	16,581,000	4,002,000	198,000	395,433	1,795,938	1,153,187	—	1,783,305	—	—	939,148	1,753,974	18,008,921	18,008,921	—
40103	Amelia County School Board	12,256,000	1,961,000	376,000	282,097	1,175,275	822,671	—	1,272,189	99,248	—	1,165,523	1,250,570	12,847,347	12,847,347	—
40104	Amherst County School Board	33,606,000	6,195,000	413,000	821,411	1,995,098	2,395,452	—	3,704,360	—	—	3,168,913	3,640,396	37,408,916	37,408,916	—
40105	Appomattox County School Board	16,416,000	2,041,000	639,000	390,463	604,077	1,138,692	—	1,760,890	310,140	—	1,757,947	1,731,185	17,782,560	17,782,560	—
40106	Arlington Public Schools	436,027,000	46,530,000	27,301,000	10,655,283	2,148,874	31,073,612	—	48,052,680	14,553,926	—	58,512,360	47,231,512	485,265,685	485,265,685	—
40107	Augusta County School Board	83,908,000	12,553,000	2,100,000	2,041,954	3,264,637	5,954,877	—	9,208,706	639,816	—	9,099,436	9,052,282	92,995,208	92,995,208	—
40108	Bath County School Board	6,690,000	1,101,000	194,000	157,173	543,403	458,359	—	708,813	32,932	—	674,580	696,357	7,158,033	7,158,033	—
40109	Bedford County School Board	72,970,000	10,965,000	2,540,000	1,796,643	1,652,420	5,239,485	—	8,102,415	1,092,832	—	7,886,039	7,964,537	81,823,201	81,823,201	—
40110	Bland County School Board	5,215,000	1,506,000	136,000	120,791	891,816	352,261	—	544,740	53,387	—	217,417	534,558	5,501,118	5,501,118	—
40111	Botetourt County Schools	39,152,000	6,325,000	633,000	962,546	1,367,425	2,807,039	—	4,340,845	16,812	—	4,038,249	4,266,359	43,836,537	43,836,537	—
40112	Brunswick County Public Schools	13,534,000	2,930,000	162,000	310,908	1,676,683	906,690	—	1,402,118	—	—	727,719	1,378,100	14,159,456	14,159,456	—
40113	Buchanan County School Board	20,219,000	5,077,000	241,000	473,774	2,682,904	1,381,650	—	2,136,604	—	—	1,023,318	2,099,842	21,576,752	21,576,752	—

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							Deferred Inflows Expected vs Actual Experience	Deferred Outflows Investment Experience	Deferred Outflows Change In Assumptions	Deferred Outflows Change In Proportion	Deferred Outflows Expected vs Actual Experience					
40114	Buckingham County School Board	15,629,000	2,555,000	447,000	372,373	1,015,440	1,085,938	—	1,679,310	90,950	—	1,575,507	1,650,308	16,958,708	16,958,708	—
40115	Campbell County School Board	55,996,000	8,757,000	798,000	1,375,463	1,765,082	4,011,210	—	6,202,994	—	—	5,732,875	6,097,442	62,641,672	62,641,672	—
40116	Caroline County School Board	30,483,000	3,413,000	776,000	735,672	537,981	2,145,414	—	3,317,699	237,202	—	3,510,170	3,261,829	33,504,175	33,504,175	—
40117	Carroll County School Board	31,333,000	4,652,000	1,092,000	735,036	2,177,630	2,143,560	—	3,314,832	507,178	—	3,074,616	3,258,179	33,475,221	33,475,221	—
40118	Charles City County School Board	6,486,000	1,316,000	208,000	147,753	818,944	430,886	—	666,329	77,089	—	443,491	654,327	6,728,999	6,728,999	—
40119	Charlotte County School Board	16,719,000	2,399,000	254,000	385,724	1,183,771	1,124,872	—	1,739,518	42,106	—	1,325,482	1,710,013	17,566,726	17,566,726	—
40120	Chesterfield County School Board	441,087,000	49,246,000	17,560,000	10,775,381	3,579,581	31,423,849	—	48,594,291	8,535,910	—	54,374,767	47,763,939	490,735,218	490,735,218	—
40121	Clarke County School Board	17,860,000	2,133,000	279,000	431,873	388,826	1,259,456	—	1,947,640	51,463	—	1,950,267	1,914,746	19,668,469	19,668,469	—
40122	Craig County School Board	5,030,000	1,054,000	64,000	122,699	367,493	357,822	—	553,341	—	—	407,081	544,430	5,587,978	5,587,978	—
40123	Culpeper County School Board	64,188,000	8,089,000	1,397,000	1,574,393	895,595	4,591,343	—	7,100,120	201,748	—	7,560,969	6,980,098	71,701,408	71,701,408	—
40124	Cumberland County School Board	11,282,000	2,016,000	403,000	275,393	666,080	803,119	—	1,241,954	85,687	—	1,285,128	1,221,155	12,542,022	12,542,022	—
40125	Dickenson County School Board	14,151,000	3,297,000	244,000	332,841	1,819,749	970,652	—	1,501,031	44,008	—	1,007,955	1,475,409	15,158,343	15,158,343	—
40126	Dinwiddie County School Board	33,613,000	4,717,000	1,254,000	818,203	1,163,765	2,386,097	—	3,689,894	535,443	—	3,956,015	3,626,454	37,262,833	37,262,833	—

Virginia Retirement System

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							Deferred Inflows Expected vs Actual Experience	Deferred Outflows Investment Experience	Deferred Outflows Change In Assumptions	Deferred Outflows Change In Proportion	Deferred Outflows Expected vs Actual Experience					
40128	Essex County Public Schools	11,279,000	2,444,000	146,000	269,556	1,164,663	786,095	—	1,215,629	6,455	—	892,263	1,194,855	12,276,178	12,276,178	—
40129	Fairfax County School Board	2,139,027,000	237,976,000	55,575,000	53,372,737	3,104,880	155,648,937	—	240,697,761	47,478,925	—	269,830,679	236,593,979	2,430,714,832	2,430,714,832	—
40130	Fauquier County School Board	106,175,000	16,137,000	1,267,000	2,605,513	3,400,575	7,598,362	—	11,750,216	—	—	11,019,546	11,549,364	118,660,948	118,660,948	—
40131	Floyd County School Board	15,393,000	2,280,000	718,000	382,025	389,983	1,114,084	—	1,722,837	453,886	—	1,845,513	1,692,872	17,398,272	17,398,272	—
40132	Fluvanna County Public Schools	35,532,000	4,827,000	833,000	854,874	1,189,764	2,493,039	—	3,855,271	181,830	—	3,697,648	3,790,163	38,932,909	38,932,909	—
40133	Franklin County Public Schools	62,429,000	6,662,000	2,628,000	1,495,589	1,398,607	4,361,532	—	6,744,736	1,382,774	—	7,407,271	6,629,532	68,112,521	68,112,521	—
40134	Frederick County School Board	128,205,000	15,345,000	5,430,000	3,196,438	1,200,490	9,321,653	—	14,415,139	3,709,726	—	17,215,530	14,168,820	145,572,994	145,572,994	—
40135	Giles County Schools	18,270,000	2,192,000	439,000	435,976	636,071	1,271,422	—	1,966,145	123,198	—	2,019,089	1,932,613	19,855,350	19,855,350	—
40136	Gloucester County School Board	43,526,000	6,630,000	1,428,000	1,078,830	1,260,025	3,146,151	—	4,865,254	992,380	—	4,813,478	4,781,756	49,132,350	49,132,350	—
40137	Goochland County School Board	22,108,000	2,617,000	734,000	535,181	474,005	1,560,731	—	2,413,535	229,930	—	2,682,209	2,373,385	24,373,372	24,373,372	—
40138	Grayson County School Board	13,134,000	2,668,000	453,000	301,690	1,540,609	879,806	—	1,360,546	211,942	—	878,226	1,337,976	13,739,633	13,739,633	—
40139	Greene County Public Schools	25,259,000	3,113,000	915,000	605,345	816,576	1,765,343	—	2,729,953	256,666	—	2,995,415	2,683,012	27,568,758	27,568,758	—
40140	Greensville County School Board	18,875,000	2,829,000	884,000	461,782	551,328	1,346,677	—	2,082,521	439,325	—	2,095,777	2,047,247	21,030,589	21,030,589	—
40141	Halifax County School Board	39,817,000	7,920,000	735,000	957,431	3,292,046	2,792,122	—	4,317,778	152,562	—	3,417,126	4,244,272	43,603,595	43,603,595	—

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							Deferred Inflows Expected vs Actual Experience	Deferred Outflows Investment Experience	Deferred Outflows Change In Assumptions	Deferred Outflows Change In Proportion	Deferred Outflows Expected vs Actual Experience					
40142	Hanover County School Board	147,770,000	18,114,000	2,139,000	3,571,296	3,380,980	10,414,839	—	16,105,656	203,054	—	15,789,305	15,831,017	162,644,883	162,644,883	—
40143	Henrico County School Board	386,870,000	44,699,000	7,000,000	9,555,300	1,719,782	27,865,772	—	43,092,030	3,376,045	—	45,631,395	42,357,634	435,169,982	435,169,982	—
40144	Henry County Public Schools	53,687,000	7,017,000	719,000	1,294,867	1,604,037	3,776,174	—	5,839,530	56,273	—	5,506,218	5,740,753	58,971,190	58,971,190	—
40145	Highland County Public Schools	2,863,000	361,000	166,000	65,655	191,939	191,468	—	296,088	74,743	—	302,670	292,358	2,990,081	2,990,081	—
40146	Isle of Wight County Schools	43,319,000	5,829,000	559,000	1,075,853	411,754	3,137,472	—	4,851,831	427,442	—	4,521,756	4,768,155	48,996,795	48,996,795	—
40148	King George County School Board	32,893,000	4,166,000	2,602,000	811,701	511,507	2,367,136	—	3,660,572	1,635,995	—	4,500,055	3,596,557	36,966,721	36,966,721	—
40149	King & Queen County School Board	6,666,000	1,106,000	156,000	159,745	321,871	465,860	—	720,412	57,337	—	537,684	708,795	7,275,162	7,275,162	—
40150	King William County School Board	17,421,000	2,605,000	474,000	420,025	801,762	1,224,903	—	1,894,208	47,000	—	1,943,817	1,861,449	19,128,886	19,128,886	—
40151	Lancaster County Public Schools	11,152,000	1,547,000	133,000	262,505	668,597	765,533	—	1,183,831	—	—	1,065,509	1,163,645	11,955,060	11,955,060	—
40152	Lee County School Board	27,460,000	3,633,000	650,000	643,229	1,431,467	1,875,826	—	2,900,804	135,615	—	2,615,033	2,849,822	29,294,108	29,294,108	—
40153	Loudoun County School Board	842,841,000	89,945,000	90,628,000	21,503,226	—	62,709,069	—	96,974,206	81,876,944	—	137,828,783	95,320,116	979,305,522	979,305,522	—
40154	Louisa County Public Schools	41,282,000	4,694,000	1,667,000	1,008,320	430,217	2,940,526	—	4,547,272	778,956	—	5,133,680	4,468,674	45,921,171	45,921,171	—
40155	Lunenburg County School Board	11,388,000	2,269,000	322,000	282,791	718,368	824,692	—	1,275,316	216,321	—	1,131,936	1,253,790	12,878,932	12,878,932	—
40156	Madison County School Board	14,720,000	2,064,000	287,000	347,579	779,681	1,013,632	—	1,567,495	80,081	—	1,366,454	1,540,606	15,829,532	15,829,532	—

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							Deferred Inflows Expected vs Actual Experience	Deferred Outflows Investment Experience	Deferred Outflows Change In Assumptions	Deferred Outflows Change In Proportion	Deferred Outflows Expected vs Actual Experience					
40157	Mathews County School Board	9,451,000	1,525,000	131,000	229,417	469,151	669,041	—	1,034,614	—	—	952,812	1,016,642	10,448,175	10,448,175	—
40158	Mecklenburg County School Board	33,411,000	5,132,000	1,045,000	796,386	1,658,237	2,322,471	—	3,591,502	445,050	—	3,042,224	3,530,472	36,269,210	36,269,210	—
40159	Middlesex County School Board	11,337,000	1,438,000	524,000	307,816	124,601	897,673	—	1,388,174	1,366,721	—	1,708,202	1,365,370	14,018,637	14,018,637	—
40160	Montgomery County School Board	75,093,000	8,255,000	2,833,000	1,833,285	516,159	5,346,344	—	8,267,662	1,319,853	—	9,212,332	8,127,098	83,491,961	83,491,961	—
40162	Nelson County Public Schools	17,034,000	2,377,000	334,000	409,477	659,971	1,194,144	—	1,846,641	51,463	—	1,751,282	1,814,268	18,648,526	18,648,526	—
40163	New Kent County School Board	23,911,000	2,651,000	1,074,000	587,919	31,973	1,714,528	—	2,651,370	573,917	—	3,002,795	2,606,486	26,775,176	26,775,176	—
40165	Northampton County Schools	13,409,000	2,163,000	160,000	327,582	516,357	955,315	—	1,477,313	—	—	1,281,244	1,452,483	14,918,820	14,918,820	—
40166	Northumberland County School Board	12,139,000	1,467,000	736,000	285,565	562,208	832,782	—	1,287,827	376,716	—	1,416,973	1,265,687	13,005,274	13,005,274	—
40167	Nottoway County School Board	16,414,000	2,485,000	196,000	383,527	1,208,006	1,118,467	—	1,729,613	—	—	1,445,112	1,701,019	17,466,706	17,466,706	—
40168	Orange County Public Schools	39,011,000	5,352,000	888,000	928,736	1,882,186	2,708,440	—	4,188,370	134,925	—	4,133,799	4,115,981	42,296,751	42,296,751	—
40169	Page County Public Schools	26,848,000	4,276,000	416,000	644,241	1,480,610	1,878,775	—	2,905,365	36,380	—	2,550,122	2,856,070	29,340,171	29,340,171	—
40170	Patrick County School Board	19,194,000	2,889,000	229,000	440,253	1,766,840	1,283,895	—	1,985,433	—	—	1,653,596	1,951,915	20,050,126	20,050,126	—
40171	Pittsylvania County School Board	64,357,000	7,493,000	3,779,000	1,547,692	1,616,042	4,513,475	—	6,979,704	2,083,103	—	7,890,116	6,861,342	70,485,372	70,485,372	—

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							Deferred Inflows Expected vs Actual Experience	Deferred Outflows Investment Experience	Deferred Outflows Change In Assumptions	Deferred Outflows Change In Proportion	Deferred Outflows Expected vs Actual Experience					
40172	Powhatan County School Board	34,534,000	5,178,000	582,000	850,222	1,095,751	2,479,470	—	3,834,289	166,226	—	3,785,257	3,769,305	38,721,024	38,721,024	—
40173	Prince Edward County School Board	17,294,000	3,509,000	321,000	402,600	1,743,156	1,174,086	—	1,815,625	89,670	—	1,052,106	1,784,256	18,335,303	18,335,303	—
40174	Prince George County School Board	47,531,000	7,172,000	1,115,000	1,130,672	2,722,198	3,297,337	—	5,099,049	234,124	—	4,733,862	5,011,473	51,493,355	51,493,355	—
40176	Prince William County School Board	785,340,000	83,808,000	34,278,000	19,105,110	7,010,900	55,715,532	—	86,159,300	16,485,104	—	99,096,477	84,689,425	870,089,914	870,089,914	—
40177	Pulaski County School Board	31,530,000	5,629,000	376,000	746,364	2,415,796	2,176,595	—	3,365,917	—	—	2,489,340	3,308,386	33,991,116	33,991,116	—
40178	Rappahannock County School Board	8,208,000	1,428,000	98,000	199,913	433,376	582,998	—	901,557	—	—	768,199	886,988	9,104,481	9,104,481	—
40179	Richmond County School Board	9,574,000	1,363,000	192,000	242,652	234,681	707,637	—	1,094,301	323,268	—	1,148,744	1,075,413	11,050,930	11,050,930	—
40180	Roanoke County School Board	112,596,000	15,673,000	3,936,000	2,693,852	4,725,899	7,855,984	—	12,148,605	1,869,994	—	11,549,693	11,941,424	122,684,133	122,684,133	—
40181	Rockbridge County School Board	24,095,000	2,988,000	331,000	603,091	205,718	1,758,770	—	2,719,788	432,042	—	2,803,460	2,673,605	27,466,106	27,466,106	—
40182	Rockingham County School Board	97,190,000	11,149,000	2,647,000	2,344,944	2,094,225	6,838,475	—	10,575,116	873,342	—	11,325,763	10,394,513	106,794,064	106,794,064	—
40183	Russell County School Board	26,888,000	3,566,000	415,000	643,576	1,031,476	1,876,836	—	2,902,367	55,157	—	2,718,616	2,853,351	29,309,901	29,309,901	—
40184	Scott County School Board	29,418,000	3,918,000	631,000	712,525	870,146	2,077,912	—	3,213,312	181,116	—	3,170,830	3,159,661	32,450,014	32,450,014	—
40185	Shenandoah County School Board	50,631,000	6,680,000	1,203,000	1,290,880	869,545	3,764,545	—	5,821,546	1,965,691	—	6,541,201	5,721,893	58,789,575	58,789,575	—

Virginia Retirement System

Finance Division

Analysis of Teacher Employer Change in Net Pension Liability

For the Plan Year Ended and Measurement Date of June 30, 2019

Employer Code	Entity	6/30/2018 Net Pension Liability	PLUS: FY 2018 Deferred Inflows	LESS: FY 2018 Deferred Outflows	LESS: FY 2019 Deferred Investment Experience	LESS: FY 2019 Deferred Change In Proportion	LESS: FY 2019	PLUS: FY 2019	PLUS: FY 2019	PLUS: FY 2019	PLUS: FY 2019	PLUS: FY 2019 Employer Pension Expense	LESS: FY 2019 Employer Contribution	Calculated		Difference
							Deferred Inflows	Deferred Outflows	Deferred Inflows	Deferred Outflows	Deferred Outflows			Deferred Outflows	Deferred Outflows	
40186	Smyth County School Board	32,756,000	6,657,000	391,000	784,393	2,708,662	2,287,498	—	3,537,419	—	—	2,420,321	3,476,141	35,723,046	35,723,046	—
40187	Southampton County School Board	19,208,000	2,754,000	455,000	470,942	437,243	1,373,392	—	2,123,833	93,879	—	2,091,860	2,087,217	21,447,778	21,447,778	—
40188	Spotsylvania County School Board	184,137,000	26,633,000	2,531,000	4,567,681	4,663,217	13,320,561	—	20,599,107	1,666,899	—	20,315,058	20,246,083	208,022,522	208,022,522	—
40189	Stafford County School Board	221,585,000	30,293,000	6,043,000	5,495,550	3,753,339	16,026,473	—	24,783,567	4,119,680	—	25,177,450	24,360,544	250,279,791	250,279,791	—
40190	Surry County Schools	11,580,000	1,970,000	139,000	269,960	959,482	787,275	—	1,217,454	721	—	879,204	1,197,059	12,294,603	12,294,603	—
40191	Sussex County School Board	11,541,000	1,846,000	358,000	276,867	568,895	807,417	—	1,248,601	143,949	—	1,067,929	1,227,159	12,609,141	12,609,141	—
40192	Tazewell County Schools	37,651,000	7,665,000	449,000	862,937	4,748,887	2,516,551	—	3,891,630	—	—	2,494,732	3,824,898	39,300,089	39,300,089	—
40193	Warren County School Board	43,274,000	5,432,000	689,000	1,039,327	1,240,751	3,030,950	—	4,687,106	95,128	—	4,452,260	4,607,166	47,333,300	47,333,300	—
40195	Washington County School Board	51,529,000	8,631,000	615,000	1,233,229	3,040,329	3,596,421	—	5,561,557	—	—	4,393,187	5,465,724	56,164,041	56,164,041	—
40196	Westmoreland County School Board	14,148,000	1,993,000	910,000	326,917	1,058,712	953,378	—	1,474,316	522,140	—	1,448,827	1,448,726	14,888,550	14,888,550	—
40197	Wise County School Board	38,222,000	10,164,000	585,000	971,707	4,143,818	2,833,753	—	4,382,156	1,181,093	—	3,146,102	4,307,346	44,253,727	44,253,727	—
40198	Wythe County School Board	30,404,000	4,870,000	363,000	730,211	1,654,599	2,129,486	—	3,293,068	—	—	2,802,547	3,236,879	33,255,440	33,255,440	—
40199	York County School Board	98,844,000	13,403,000	3,066,000	2,461,401	2,129,425	7,178,093	—	11,100,307	2,006,146	—	12,490,811	10,911,573	112,097,772	112,097,772	—
40200	Alexandria City School Board	215,896,000	25,455,000	6,815,000	5,353,172	1,327,742	15,611,261	—	24,141,478	3,925,807	—	27,213,613	23,729,144	243,795,579	243,795,579	—
40201	Bristol City School Board	17,745,000	3,333,000	216,000	430,659	1,129,452	1,255,916	—	1,942,166	—	—	1,534,593	1,909,537	19,613,195	19,613,195	—

Virginia Retirement System

Finance Division

Analysis of Teacher Employer Change in Net Pension Liability

For the Plan Year Ended and Measurement Date of June 30, 2019

Employer Code	Entity	6/30/2018 Net Pension Liability	PLUS: FY 2018 Deferred Inflows	LESS: FY 2018 Deferred Outflows	LESS: FY 2019 Deferred Investment Experience	LESS: FY 2019 Deferred Change In Proportion	LESS: FY 2019	PLUS: FY 2019	PLUS: FY 2019	PLUS: FY 2019	PLUS: FY 2019	PLUS: FY 2019 Employer Pension Expense	LESS: FY 2019 Employer Contribution	Calculated 6/30/2019 Net Pension Liability	Actual 6/30/2019 Net Pension Liability	Difference
							Deferred Inflows Expected vs Actual Experience	Deferred Outflows Investment Experience	Deferred Outflows Change In Assumptions	Deferred Outflows Change In Proportion	Deferred Outflows Expected vs Actual Experience					
40202	Buena Vista City Schools	7,564,000	1,256,000	117,000	182,603	446,411	532,519	—	823,495	9,975	—	750,725	809,499	8,316,163	8,316,163	—
40203	Charlottesville Public Schools	56,399,000	6,449,000	1,369,000	1,390,200	166,187	4,054,190	—	6,269,458	437,316	—	6,898,837	6,161,172	63,312,862	63,312,862	—
40205	Danville City Schools	45,360,000	9,567,000	541,000	1,222,710	2,742,487	3,565,746	—	5,514,120	3,929,971	—	4,804,958	5,419,109	55,684,997	55,684,997	—
40206	Fredericksburg City Schools	33,837,000	3,777,000	1,099,000	818,463	598,564	2,386,856	—	3,691,067	221,239	—	4,279,243	3,627,988	37,274,678	37,274,678	—
40207	Hampton City Schools	159,918,000	25,696,000	2,205,000	3,753,523	11,410,535	10,946,262	—	16,927,457	—	—	13,356,134	16,638,333	170,943,938	170,943,938	—
40208	Harrisonburg City School Board	57,498,000	6,191,000	4,554,000	1,422,768	17,905	4,149,165	—	6,416,329	3,154,170	—	7,986,445	6,306,048	64,796,058	64,796,058	—
40209	Hopewell City School Board	36,195,000	5,036,000	1,221,000	901,862	710,801	2,630,066	—	4,067,172	1,022,115	—	4,214,578	3,998,318	41,072,818	41,072,818	—
40210	Lynchburg Public Schools	80,732,000	12,822,000	2,720,000	1,876,863	7,071,532	5,473,426	—	8,464,185	850,690	—	8,068,131	8,318,611	85,476,574	85,476,574	—
40211	Newport News Public Schools	234,314,000	32,226,000	2,816,000	5,686,216	7,431,765	16,582,503	—	25,643,421	6,075	—	24,495,380	25,205,258	258,963,134	258,963,134	—
40212	Norfolk Public Schools	302,047,000	59,149,000	3,605,000	7,353,283	21,811,971	21,444,110	—	33,161,480	—	—	27,337,490	32,595,470	334,885,136	334,885,136	—
40213	Petersburg City Schools	33,194,000	6,329,000	770,000	820,891	1,943,362	2,393,934	—	3,702,014	309,772	—	3,417,619	3,638,991	37,385,227	37,385,227	—
40214	Portsmouth School Board	117,977,000	17,916,000	1,408,000	2,861,978	4,507,819	8,346,281	—	12,906,810	—	—	11,350,493	12,685,273	130,340,952	130,340,952	—
40215	Radford City School Board	12,773,000	1,751,000	430,000	310,070	374,668	904,246	—	1,398,339	196,144	—	1,397,162	1,375,371	14,121,290	14,121,290	—
40216	Richmond Public Schools	240,372,000	33,767,000	12,150,000	5,894,654	5,496,129	17,190,362	—	26,583,423	5,484,097	—	29,109,987	26,129,510	268,455,852	268,455,852	—
40217	Roanoke City School Board	116,773,000	14,157,000	2,712,000	2,853,222	1,910,588	8,320,747	—	12,867,323	509,739	—	14,078,499	12,646,817	129,942,187	129,942,187	—
40219	Staunton City Schools	25,034,000	3,520,000	488,000	597,860	1,168,700	1,743,517	—	2,696,200	104,491	—	2,522,313	2,651,027	27,227,900	27,227,900	—
40220	Suffolk City School Board	111,812,000	13,847,000	4,685,000	2,832,994	796,305	8,261,757	—	12,776,099	5,397,738	—	14,322,110	12,557,943	129,020,948	129,020,948	—
40222	Winchester Public Schools	42,860,000	5,903,000	966,000	1,020,284	2,188,476	2,975,415	—	4,601,225	138,460	—	4,635,443	4,521,934	46,466,019	46,466,019	—

Virginia Retirement System

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Analysis of Teacher Employer Change in Net Pension Liability

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Employer Code	Entity	6/30/2018 Net Pension Liability	PLUS: FY 2018 Deferred Inflows	LESS: FY 2018 Deferred Outflows	LESS: FY 2019 Deferred Investment Experience	LESS: FY 2019 Deferred Change In Proportion	LESS: FY 2019 Deferred Inflows Expected vs Actual Experience	PLUS: FY 2019 Deferred Outflows Investment Experience	PLUS: FY 2019 Deferred Outflows Change In Assumptions	PLUS: FY 2019 Deferred Outflows Change In Proportion	PLUS: FY 2019 Deferred Outflows Expected vs Actual Experience	PLUS: FY 2019 Employer Pension Expense	PLUS: FY 2019 Employer Contribution	Calculated 6/30/2019 Net Pension Liability	Actual 6/30/2019 Net Pension Liability	Difference
40223	Martinsville City Schools	16,979,000	3,442,000	387,000	414,997	1,156,793	1,210,239	—	1,871,532	24,299	—	1,592,337	1,840,247	18,899,892	18,899,892	—
40224	Falls Church Public Schools	37,232,000	4,771,000	2,025,000	952,808	604,685	2,778,639	—	4,296,927	1,859,686	—	5,818,157	4,223,612	43,393,026	43,393,026	—
40225	Colonial Heights City Schools	27,685,000	4,156,000	330,000	674,034	878,048	1,965,660	—	3,039,725	—	—	2,651,509	2,987,467	30,697,025	30,697,025	—
40230	Covington City School Board	8,026,000	1,421,000	557,000	190,810	591,469	556,453	—	860,506	313,868	—	810,187	845,906	8,689,923	8,689,923	—
40231	Fairfax City School Board	141,000	15,000	3,000	3,352	4,203	9,775	—	15,117	721	—	15,519	14,364	152,663	152,663	—
40232	Franklin City Public Schools	10,178,000	2,813,000	177,000	230,804	1,897,556	673,086	—	1,040,870	—	—	481,063	1,023,141	10,511,346	10,511,346	—
40233	Chesapeake Public Schools	339,880,000	42,016,000	7,133,000	8,316,205	4,536,964	24,252,244	—	37,504,019	2,119,331	—	38,320,870	36,863,026	378,738,781	378,738,781	—
40234	Virginia Beach City School Board	596,910,000	73,953,000	8,265,000	14,444,090	13,871,882	42,122,770	—	65,139,258	364,490	—	64,181,055	64,027,533	657,816,528	657,816,528	—
40236	Manassas Park City Schools	31,147,000	4,892,000	2,579,000	756,738	1,444,368	2,206,849	—	3,412,702	1,088,018	—	4,265,899	3,355,084	34,463,580	34,463,580	—
40306	Town of West Point School Board	8,053,000	967,000	723,000	196,907	79,558	574,235	—	888,004	432,821	—	1,072,810	872,324	8,967,611	8,967,611	—
40307	Lexington City School Board	4,188,000	492,000	169,000	106,574	17,438	310,798	—	480,622	222,101	—	547,479	472,775	4,853,617	4,853,617	—
40308	Waynesboro Public Schools	26,175,000	3,885,000	470,000	623,174	1,369,767	1,817,341	—	2,810,361	83,852	—	2,467,951	2,761,116	28,380,766	28,380,766	—
40309	Town of Colonial Beach Schools	5,248,000	669,000	175,000	123,652	264,957	360,603	—	557,641	72,184	—	556,985	548,190	5,631,408	5,631,408	—
40313	Galax City Schools	10,483,000	1,408,000	141,000	256,956	238,714	749,353	—	1,158,810	320	—	1,176,886	1,138,615	11,702,378	11,702,378	—
40314	Norton City Schools	5,218,000	1,238,000	203,000	121,456	714,818	354,199	—	547,737	82,736	—	377,316	538,929	5,531,387	5,531,387	—

Virginia Retirement System

Finance Division

Analysis of Teacher Employer Change in Net Pension Liability

For the Plan Year Ended and Measurement Date of June 30, 2019

Employer Code	Entity	6/30/2018 Net Pension Liability	PLUS: FY 2018 Deferred Inflows	LESS: FY 2018 Deferred Outflows	LESS: FY 2019 Deferred Investment Experience	LESS: FY 2019 Deferred Change In Proportion	LESS: FY 2019	PLUS: FY 2019	PLUS: FY 2019	PLUS: FY 2019	PLUS: FY 2019	PLUS: FY 2019 Employer Pension Expense	LESS: FY 2019 Employer Contribution	Calculated 6/30/2019 Net Pension Liability	Actual 6/30/2019 Net Pension Liability	Difference
							Deferred Inflows Expected vs Actual Experience	Deferred Outflows Investment Experience	Deferred Outflows Change In Assumptions	Deferred Outflows Change In Proportion	Deferred Outflows Expected vs Actual Experience					
40332	Manassas City Schools	77,572,000	14,839,000	1,693,000	1,954,597	4,932,008	5,700,120	—	8,814,747	1,875,275	—	8,859,064	8,663,593	89,016,768	89,016,768	—
40335	City of Salem Schools	33,092,000	4,409,000	683,000	797,946	908,544	2,327,021	—	3,598,539	224,564	—	3,269,689	3,537,004	36,340,277	36,340,277	—
40402	Williamsburg-James City County School Board	99,893,000	13,423,000	1,905,000	2,491,570	1,967,018	7,266,074	—	11,236,362	1,570,882	—	12,023,046	11,044,892	113,471,736	113,471,736	—
40403	Poquoson City Public Schools	16,923,000	2,190,000	275,000	409,680	487,978	1,194,733	—	1,847,553	52,666	—	1,828,384	1,816,474	18,657,738	18,657,738	—
40410	Valley Vocational Technical Center	2,833,000	483,000	59,000	69,527	134,011	202,760	—	313,551	7,993	—	301,895	307,708	3,166,433	3,166,433	—
40412	Charlottesville/Albemarle Vo-Tech Center	1,454,000	560,000	174,000	41,237	242,495	120,257	—	185,967	302,657	—	136,871	183,493	1,878,013	1,878,013	—
40413	The Pruden Center for Industry and Technology	—	2,075,000	61,000	—	1,598,817	—	—	—	35,793	—	(450,976)	—	—	—	—
40414	Jackson River Technical Center	866,000	491,000	62,000	20,142	311,370	58,737	—	90,833	39,166	—	(27,746)	89,712	917,292	917,292	—
40415	New Horizons Technical Center	12,678,000	1,412,000	748,000	306,111	209,379	892,701	—	1,380,485	446,315	—	1,536,201	1,355,820	13,940,990	13,940,990	—
40416	Northern Neck Regional Vocational Center	1,629,000	322,000	83,000	40,717	104,782	118,740	—	183,622	39,287	—	208,010	180,356	1,854,324	1,854,324	—
40417	Rowanty Vocational Technical Center	1,000,000	235,000	36,000	26,875	94,286	78,373	—	121,198	96,055	—	125,715	118,501	1,223,933	1,223,933	—
40418	Amelia-Nottoway Vocational Center	310,000	47,000	4,000	9,161	6,882	26,714	—	41,312	56,743	—	49,897	41,005	417,190	417,190	—
40421	Northern Neck Regional Special Education Program	1,229,000	311,000	94,000	28,984	129,781	84,525	—	130,711	59,792	—	54,877	128,085	1,320,005	1,320,005	—

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Analysis of Teacher Employer Change in Net Pension Liability

For the Plan Year Ended and Measurement Date of June 30, 2019

Employer Code	Entity	6/30/2018 Net Pension Liability	PLUS: FY 2018 Deferred Inflows	LESS: FY 2018 Deferred Outflows	LESS: FY 2019 Deferred Investment Experience	LESS: FY 2019 Deferred Change In Proportion	LESS: FY 2019	PLUS: FY 2019	PLUS: FY 2019	PLUS: FY 2019	PLUS: FY 2019	PLUS: FY 2019 Employer Pension Expense	LESS: FY 2019 Employer Contribution	Calculated		Difference
							Deferred Inflows Expected vs Actual Experience	Deferred Outflows Investment Experience	Deferred Outflows Change In Assumptions	Deferred Outflows Change In Proportion	Deferred Outflows Expected vs Actual Experience			6/30/2019 Net Pension Liability	6/30/2019 Actual Net Pension Liability	
40423	Maggie Walker Governor's School for Govt & Intl Studies	6,590,000	755,000	170,000	151,943	379,882	443,105	—	685,225	53,624	—	654,513	673,605	6,919,827	6,919,827	—
40424	Appomattox Region Governor's School	2,467,000	483,000	53,000	65,077	161,798	189,782	—	293,482	161,822	—	316,496	288,383	2,963,760	2,963,760	—
40425	Bridging Communities Regional Career and Tech Center	774,000	104,000	195,000	16,818	95,010	49,048	—	75,847	101,509	—	141,868	75,403	765,945	765,945	—
	Total Teacher Employers	11,759,992,000	1,514,325,000	399,719,000	288,974,854	252,691,090	842,726,774	—	1,303,204,797	252,691,090	—	1,395,429,873	1,280,962,776	13,160,568,266	13,160,568,266	—
		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—