

State Teachers Retirement System

Administered by

The West Virginia Consolidated Public Retirement Board

2020



Audited Schedules of Employer Allocations and Pension Amounts by Employer

Serving Those Who Serve West Virginia

As of and for the Year Ended June 30, 2020



State Teachers Retirement System
Audited Schedules of Employer Allocations and Pension Amounts By Employer
As of and for the Year Ended June 30, 2020

TABLE OF CONTENTS

	Page
Independent Auditor's Report	1 - 2
Schedule of Employer Allocations	3 - 4
Schedule of Pension Amounts By Employer	5 - 6
Notes to Schedules of Employer Allocations and Pension Amounts By Employer	7 - 13



Independent Auditor's Report

To the Members of the
West Virginia Consolidated Public Retirement Board
Charleston, West Virginia

Report on Schedule of Allocations and Pension Amounts by Employer

We have audited the accompanying schedule of employer allocations of State Teachers Retirement System (TRS), administered by the West Virginia Consolidated Public Retirement Board, as of and for the year ended June 30, 2020, and related notes. We have also audited the total for the columns titled net pension asset (liability), total deferred outflows of resources, total deferred inflows of resources and total employer pension expense (specified column totals) included in the accompanying schedule of pension amounts by employer (collectively the Schedules) of TRS as of and for the year ended June 30, 2020, and related notes.

Management's Responsibility for the Schedules

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

Auditor's Responsibility

Our responsibility is to express opinions on the schedule of employer allocations and specified column totals included in the schedule of pension amounts by employer based on our audit. We conducted our audit in accordance with auditing standards generally accepted in the United States of America. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the schedule of employer allocations and specified column totals included in the schedule of pension amounts by employer are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the schedule of employer allocations and specified column totals included in the schedule of pension amounts by employer. The procedures selected depend on the auditor's judgment, including the assessment of the risks of material misstatement of the schedule of employer allocations and specified column totals included in the schedule of pension amounts by employer, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the entity's preparation and fair presentation of the schedule of employer allocations and specified column totals included in the schedule of pension amounts by employer in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of entity's internal control. Accordingly, we express no such opinion. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluating the overall presentation of the schedule of employer allocations and specified column totals included in the schedule of pension amounts by employer.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinions.

Opinions

In our opinion, the Schedules referred to above present fairly, in all material respects, the employer allocations and net pension asset (liability), total deferred outflows of resources excluding employer specific amounts, total deferred inflows of resources excluding employer specific amounts, and total employer pension expense for the State Teachers Retirement System, as of and for the year ended June 30, 2020, in accordance with accounting principles generally accepted in the United States of America.

Other Matters

We have audited, in accordance with auditing standards generally accepted in the United States of America, the financial statements of the West Virginia Consolidated Public Retirement Board as of and for the year ended June 30, 2020, and our report thereon, dated October 14, 2020, expressed an unmodified opinion on those financial statements.

Restriction on Use

Our report is intended solely for the information and use of the West Virginia Consolidated Public Retirement Board's management, the State Teachers Retirement System's participating employers and their auditors and is not intended to be and should not be used by anyone other than these specified parties.

A handwritten signature in black ink that reads "Eide Bailly LLP". The signature is written in a cursive, flowing style.

Boise, Idaho
March 22, 2021

STATE TEACHERS RETIREMENT SYSTEM
Schedule of Employer Allocations
For the Year Ended June 30, 2020

Employer Number	Employer	Employer Contributions	State Payment Made "On Behalf" of Employers	Total Employer Contributions	Employer Allocation Percentage
000100	Barbour County Board of Education	\$ 19,119	\$ 2,316	\$ 21,435	0.004621%
000200	Berkeley County Board of Education	886,455	107,370	993,825	0.214260%
000300	Boone County Board of Education	263,280	31,889	295,169	0.063636%
000400	Braxton County Board of Education	124,319	15,058	139,377	0.030049%
000500	Brooke County Board of Education	481,888	58,368	540,256	0.116475%
000600	Cabell County Board of Education	1,225,072	148,385	1,373,457	0.296106%
000700	Calhoun County Board of Education	11,256	1,364	12,620	0.002721%
000800	Clay County Board of Education	98,782	11,965	110,747	0.023876%
000900	Doddridge County Board of Education	348,052	42,157	390,209	0.084126%
001000	Fayette County Board of Education	469,306	56,844	526,150	0.113434%
001100	Gilmer County Board of Education	13,725	1,662	15,387	0.003317%
001200	Grant County Board of Education	53,158	6,439	59,597	0.012849%
001300	Greenbrier County Board of Education	546,061	66,141	612,202	0.131986%
001400	Hampshire County Board of Education	162,791	19,718	182,509	0.039347%
001500	Hancock County Board of Education	347,904	42,139	390,043	0.084090%
001600	Hardy County Board of Education	116,927	14,163	131,090	0.028262%
001700	Harrison County Board of Education	1,075,592	130,279	1,205,871	0.259976%
001800	Jackson County Board of Education	447,102	54,155	501,257	0.108067%
001900	Jefferson County Board of Education	936,223	113,398	1,049,621	0.226289%
002000	Kanawha County Board of Education	2,102,015	254,603	2,356,618	0.508067%
002100	Lewis County Board of Education	194,265	23,530	217,795	0.046955%
002200	Lincoln County Board of Education	226,138	27,391	253,529	0.054659%
002300	Logan County Board of Education	330,101	39,983	370,084	0.079787%
002400	Marion County Board of Education	1,116,245	135,203	1,251,448	0.269802%
002500	Marshall County Board of Education	1,007,601	122,044	1,129,645	0.243542%
002600	Mason County Board of Education	196,547	23,806	220,353	0.047506%
002700	McDowell County Board of Education	180,185	21,825	202,010	0.043552%
002800	Mercer County Board of Education	618,700	74,939	693,639	0.149543%
002900	Mineral County Board of Education	388,664	47,076	435,740	0.093942%
003000	Mingo County Board of Education	208,176	25,215	233,391	0.050317%
003100	Monongalia County Board of Education	1,189,444	144,069	1,333,513	0.287494%
003200	Monroe County Board of Education	111,988	13,564	125,552	0.027068%
003300	Morgan County Board of Education	130,808	15,844	146,652	0.031617%
003400	Nicholas County Board of Education	139,614	16,910	156,524	0.033745%
003500	Ohio County Board of Education	602,036	72,920	674,956	0.145515%
003600	Pendleton County Board of Education	-	-	-	0.000000%
003700	Pleasants County Board of Education	146,431	17,736	164,167	0.035393%
003800	Pocahontas County Board of Education	40,178	4,866	45,044	0.009711%
003900	Preston County Board of Education	143,877	17,427	161,304	0.034776%
004000	Putnam County Board of Education	978,197	118,482	1,096,679	0.236435%
004100	Raleigh County Board of Education	1,013,681	122,780	1,136,461	0.245011%
004200	Randolph County Board of Education	135,763	16,444	152,207	0.032815%
004300	Ritchie County Board of Education	76,392	9,253	85,645	0.018464%
004400	Roane County Board of Education	110,433	13,376	123,809	0.026692%
004500	Summers County Board of Education	28,070	3,400	31,470	0.006785%
004600	Taylor County Board of Education	131,589	15,939	147,528	0.031806%
004700	Tucker County Board of Education	-	-	-	0.000000%
004800	Tyler County Board of Education	160,570	19,449	180,019	0.038811%
004900	Upshur County Board of Education	233,247	28,252	261,499	0.056377%
005000	Wayne County Board of Education	462,329	55,999	518,328	0.111747%
005100	Webster County Board of Education	16,967	2,055	19,022	0.004101%
005200	Wetzel County Board of Education	681,057	82,492	763,549	0.164615%
005300	Wirt County Board of Education	29,561	3,581	33,142	0.007145%
005400	Wood County Board of Education	1,055,390	127,832	1,183,222	0.255093%
005500	Wyoming County Board of Education	249,002	30,160	279,162	0.060185%
0482	Bluefield State College	55,745	6,752	62,497	0.013474%
005700	River Valley Child Development Services	17,415	2,109	19,524	0.004209%
0483	Concord University	44,640	5,407	50,047	0.010790%
0484	Fairmont State University	57,060	6,911	63,971	0.013792%
0485	Glenville State College	97,347	11,791	109,138	0.023529%
006100	Marshall University Research Corp	16,768	2,031	18,799	0.004053%
006200	Marshall University	281,570	34,105	315,675	0.068057%
0486	Shepherd University	31,598	3,827	35,425	0.007637%
0488	West Liberty University	43,918	5,319	49,237	0.010615%

The accompanying notes are an integral part of this schedule

STATE TEACHERS RETIREMENT SYSTEM
Schedule of Employer Allocations
For the Year Ended June 30, 2020

Employer Number	Employer	Employer Contributions	State Payment Made "On Behalf" of Employers	Total Employer Contributions	Employer Allocation Percentage
0403	West Virginia School for the Deaf and Blind	573,268	69,436	642,704	0.138562%
0490	West Virginia State University	56,952	6,898	63,850	0.013766%
007500	West Virginia University	610,314	73,923	684,237	0.147516%
0487	Southern West Virginia Community & Technical College	63,111	7,644	70,755	0.015254%
0489	West Virginia Northern Community College	28,757	3,483	32,240	0.006951%
0495	West Virginia Network	17,649	2,138	19,787	0.004266%
0447	Blue Ridge Community and Technical College	10,425	1,263	11,688	0.002520%
0446	Pierpont Community & Technical College	7,587	919	8,506	0.001834%
0445	New River Community and Technical College	10,420	1,262	11,682	0.002519%
009600	West Virginia University at Parkersburg	11,247	1,362	12,609	0.002718%
0402	West Virginia Department of Education	2,441,560	295,729	2,737,289	0.590136%
0493	Bridge Valley Community & Technical College	14,632	1,772	16,404	0.003537%
0441	West Virginia Higher Education Policy Commission	49,542	6,001	55,543	0.011975%
ESC002	Eastern Panhandle Instructional Cooperative	454,905	55,100	510,005	0.109953%
ESC004	Southern Educational Services Cooperative	189,811	22,990	212,801	0.045878%
ESC006	Mountain State Educational Services Cooperative	353,819	42,856	396,675	0.085520%
wvSAF	State of WV Special Funding - SAF	102,793,436	12,450,655	115,244,091	24.845656%
wvARC	State of WV Special Funding - ARC Contributions	283,332,231	34,318,062	317,650,293	68.482723%
		<u>\$ 413,728,000</u>	<u>\$ 50,112,000</u>	<u>\$ 463,840,000</u>	<u>100.000000%</u>

The accompanying notes are an integral part of this schedule

STATE TEACHERS RETIREMENT SYSTEM
Schedule of Pension Amounts by Employer
As of and for the Year Ended June 30, 2020

Employer Number	Deferred Outflows of Resources				Deferred Inflows of Resources				Net Amortization of Deferred Amounts from Changes in Proportion and Differences			
	Net Pension Asset (Liability)	Differences Between Expected and Actual Experience	Changes in Assumptions	Net Difference Between Projected and Actual Investments	Differences Between Expected and Actual Experience	Changes in Proportion and Differences Between Employer Contributions and Proportionate Share of Contributions	Total Deferred Inflows of Resources	Proportionate Share of Pension Expense	Between Employer Contributions and Proportionate Share of Contributions	Total Pension Expense		
000100	\$ (148,840)	\$ 3,420	\$ 321,838	\$ 2,097	\$ 9,018	\$ 336,373	\$ (3,268)	\$ (667,785)	\$ (671,053)	\$ 16,741	\$ (87,193)	\$ (70,452)
000200	(6,901,188)	158,572	1,064,038	97,244	418,141	1,737,995	(151,535)	(6,506,995)	(6,638,530)	776,225	(1,015,072)	(238,847)
000300	(2,049,678)	47,096	1,554,994	28,882	124,189	1,755,161	(45,007)	(2,125,420)	(2,170,427)	230,542	(467,495)	(236,953)
000400	(967,861)	22,239	407,187	13,638	58,642	501,706	(21,252)	(123,338)	(144,590)	108,862	73,995	182,857
000500	(3,751,591)	86,202	1,438,946	52,863	227,308	1,805,319	(82,377)	(614,228)	(696,605)	421,968	348,800	770,768
000600	(9,537,400)	219,145	1,351,957	134,391	577,869	2,283,362	(209,421)	(283,308)	(492,729)	1,072,739	717,646	1,790,385
000700	(87,642)	2,014	71,822	1,235	5,310	80,381	(1,924)	(413,578)	(415,502)	9,858	(66,569)	(56,711)
000800	(769,032)	17,670	45,537	10,836	46,595	120,638	(16,886)	(157,510)	(174,396)	86,498	(1,468)	85,030
000900	(2,709,649)	62,261	501,044	38,181	164,177	765,663	(59,498)	-	(59,498)	304,773	290,004	594,777
001000	(3,653,642)	83,951	216,959	51,483	221,373	573,766	(80,226)	(314,875)	(395,101)	410,951	1,649	412,600
001100	(106,839)	2,455	254,611	1,505	6,473	265,044	(2,346)	(561,621)	(563,967)	12,017	(53,046)	(41,029)
001200	(413,859)	9,509	316,816	5,832	25,076	357,233	(9,087)	(520,008)	(529,095)	46,550	(7,878)	38,672
001300	(4,251,191)	97,682	1,033,218	59,903	257,579	1,448,382	(93,347)	(348,247)	(441,594)	478,162	115,073	593,235
001400	(1,267,344)	29,120	525,870	17,858	76,788	649,636	(27,828)	(483,249)	(511,077)	142,547	184,486	327,033
001500	(2,708,489)	62,234	159,753	38,165	164,107	424,259	(59,473)	(364,604)	(424,077)	304,643	(10,340)	294,303
001600	(910,302)	20,916	630,834	12,827	55,155	719,732	(19,988)	(213,262)	(233,250)	102,388	164,898	267,286
001700	(8,373,674)	192,406	518,506	117,993	507,359	1,336,264	(183,868)	(2,379,851)	(2,563,719)	941,846	(131,089)	810,757
001800	(3,480,774)	79,979	795,469	49,047	210,899	1,135,394	(76,430)	(678,335)	(754,765)	391,507	55,974	447,481
001900	(7,288,635)	167,474	900,592	102,704	441,617	1,612,387	(160,043)	(935,874)	(1,095,917)	819,804	553,713	1,373,517
002000	(16,364,538)	376,015	4,679,403	230,591	991,523	6,277,532	(359,330)	(4,293,218)	(4,652,548)	1,840,635	1,302,663	3,143,298
002100	(1,512,393)	34,751	425,985	21,311	91,635	573,682	(33,209)	(422,244)	(455,453)	170,110	39,324	209,434
002200	(2,569,892)	40,453	417,646	36,212	155,709	417,808	(56,429)	(369,523)	(408,181)	198,020	51,251	249,271
002300	(8,690,163)	199,678	2,932,003	122,452	526,535	3,780,668	(190,817)	(783,760)	(974,577)	977,444	983,989	1,961,433
002500	(7,844,344)	180,243	1,276,454	110,534	475,287	2,042,518	(172,245)	(1,588,867)	(1,878,877)	882,309	624,750	1,507,059
002600	(1,530,140)	35,159	847,454	21,561	92,711	996,885	(33,599)	(1,588,867)	(1,622,466)	172,106	(116,793)	55,313
002700	(1,402,784)	32,232	126,362	19,767	84,994	263,355	(30,802)	(1,396,253)	(1,427,055)	157,781	(171,991)	(14,210)
002800	(4,816,692)	110,675	725,449	67,872	291,842	1,195,838	(105,764)	(1,476,955)	(1,582,719)	541,767	(34,034)	507,733
002900	(3,025,816)	69,526	345,910	42,637	183,333	641,406	(66,440)	(343,880)	(410,320)	340,335	60,805	401,140
003000	(1,620,681)	37,239	111,973	22,837	98,197	270,246	(35,587)	(347,876)	(383,463)	182,289	(164,204)	18,085
003100	(9,260,012)	212,771	867,416	130,482	561,062	1,771,731	(203,330)	(1,636,860)	(1,840,190)	1,041,539	135,166	1,176,705
003200	(871,844)	20,033	52,488	12,285	52,825	137,631	(19,144)	(67,019)	(86,163)	98,062	78,161	176,223
003300	(1,018,365)	23,399	249,696	14,350	61,702	349,147	(22,361)	(421,109)	(443,470)	114,543	15,707	130,250
003400	(1,086,907)	24,974	105,236	15,316	65,855	211,381	(23,866)	(695,927)	(719,793)	122,252	(45,968)	76,284
003500	(4,686,952)	107,694	750,425	66,043	283,981	1,208,143	(102,915)	(837,303)	(940,218)	527,175	109,533	636,708
003600	-	-	86,762	-	-	86,762	-	(272,249)	-	-	(39,980)	(39,980)
003700	(1,139,988)	26,194	175,694	16,063	69,072	287,023	(25,032)	(624,085)	(649,117)	128,222	(65,495)	62,727
003800	(312,786)	7,187	154,194	4,407	18,952	184,740	(6,868)	(246,108)	(252,976)	35,181	33,107	68,288
003900	(1,120,114)	25,377	706,561	15,783	67,862	815,948	(24,595)	(591,712)	(616,307)	125,987	9,308	135,295
004000	(7,615,432)	174,983	1,048,013	107,308	461,417	1,791,721	(167,219)	(2,727,745)	(439,964)	856,561	380,314	1,236,875
004100	(7,891,660)	181,330	2,554,013	111,201	478,154	3,324,698	(173,284)	(2,239,501)	(2,412,785)	887,631	477,929	1,365,560
004200	(1,056,952)	24,286	113,364	14,893	64,040	216,583	(23,208)	(592,496)	(615,704)	118,883	(122,713)	(3,830)
004300	(594,715)	13,665	164,355	8,380	36,034	222,434	(13,059)	(619,442)	(632,501)	66,892	(107,017)	(40,125)
004400	(859,734)	19,754	336,327	12,114	52,091	420,286	(18,878)	(152,757)	(171,635)	96,700	9,628	106,328
004500	(218,541)	5,022	256,144	3,079	13,241	277,486	(4,799)	(499,571)	(504,370)	24,581	(84,601)	(60,020)

The accompanying notes are an integral part of this schedule

STATE TEACHERS RETIREMENT SYSTEM
Schedule of Pension Amounts by Employer
As of and for the Year Ended June 30, 2020

Employer Number	Deferred Outflows of Resources				Deferred Inflows of Resources				Pension Expense		
	Net Pension Asset (Liability)	Differences Between Expected and Actual Experience	Changes in Assumptions	Net Difference Projected and Actual	Differences Between Expected and Actual Experience	Total Deferred Outflows of Resources	Changes in Proportion and Differences Between Employer Contributions and Proportionate Share of Contributions	Total Deferred Inflows of Resources	Proportionate Share of Allocable Pension Expense	Net Amortization of Deferred Amounts from Changes in Proportion and Differences Between Employer Contributions and Proportionate Share of Contributions	
										Proportionate Share of Contributions	Total Employer Pension Expense
004600	(1,024,432)	23,539	14,435	62,071	(22,495)	451,300	(193,095)	(215,590)	115,227	80,631	195,858
004700	-	-	-	-	-	103,185	(319,001)	(319,001)	-	(33,995)	(33,995)
004800	(1,250,079)	28,724	17,615	75,742	(27,449)	455,767	(395,731)	(423,180)	140,605	55,385	195,990
004900	(1,815,870)	41,724	25,587	110,023	(39,873)	723,452	(668,706)	(708,579)	204,244	49,915	254,159
005000	(3,599,305)	82,703	50,717	218,081	(79,033)	1,569,356	(937,381)	(1,016,414)	404,839	329,480	734,319
005100	(132,091)	3,035	1,861	8,003	(2,900)	150,542	(467,848)	(470,748)	14,857	(120,802)	(105,945)
005200	(5,302,152)	121,830	74,712	321,256	(116,424)	1,862,257	(130,427)	(246,851)	596,371	701,771	1,298,142
005300	(230,136)	5,288	3,243	13,944	(5,053)	204,539	(292,840)	(1,906,552)	924,156	245,094	1,169,250
005400	(8,216,395)	188,792	115,777	497,829	(180,415)	1,940,469	(1,726,137)	(1,205,222)	218,039	(88,681)	129,358
005500	(1,938,523)	44,542	27,316	117,455	(42,566)	751,376	(1,162,656)	(1,205,222)	48,814	(8,864)	39,950
0482	(433,990)	9,972	44,457	26,295	(8,839)	86,839	(94,730)	(104,259)	15,248	(627)	14,621
005700	(135,569)	3,115	1,910	8,214	(2,977)	23,252	(29,694)	(32,671)	39,090	(159,304)	(120,214)
0483	(347,540)	7,986	4,897	21,057	(7,631)	49,695	(399,024)	(406,655)	49,966	(147,275)	(97,309)
0484	(444,232)	10,207	6,260	26,916	(9,754)	43,383	(234,286)	(244,040)	85,241	(160,253)	(75,012)
0485	(757,855)	17,414	10,679	45,918	(16,641)	141,524	(408,756)	(423,397)	14,683	(4,528)	10,155
006100	(130,545)	3,000	1,839	7,910	(2,866)	24,627	(29,526)	(32,392)	246,558	(242,753)	3,805
006200	(2,192,076)	50,368	30,888	132,817	(48,133)	225,837	(624,766)	(672,899)	27,667	(29,527)	(1,860)
0486	(245,983)	5,652	3,466	14,904	(5,401)	40,903	(42,669)	(48,070)	38,456	(40,407)	(1,951)
0488	(341,903)	7,856	4,818	20,716	(7,507)	38,101	(143,155)	(150,662)	501,985	33,829	535,814
0403	(4,463,000)	102,548	62,888	270,412	(97,998)	821,434	(585,632)	(683,630)	49,872	(115,304)	(65,432)
0490	(443,395)	10,188	6,248	26,865	(9,736)	52,422	(315,423)	(325,159)	55,262	(54,702)	560
007500	(4,771,403)	109,175	66,952	287,886	(104,331)	518,597	(2,723,537)	(2,827,868)	25,182	(22,577)	2,605
0487	(491,322)	11,289	6,923	29,769	(10,788)	75,003	(89,164)	(99,952)	9,130	2,804	11,934
0489	(223,888)	5,144	3,155	13,565	(4,916)	37,051	(37,887)	(42,803)	6,644	1,980	8,624
0495	(137,405)	3,157	1,936	8,325	(3,017)	42,241	(11,625)	(14,642)	15,455	(930)	14,525
0447	(81,168)	1,865	1,144	4,918	(1,782)	16,499	(5,664)	(7,446)	9,130	2,804	11,934
0446	(59,072)	1,357	832	3,579	(1,297)	11,396	(4,266)	(5,563)	6,644	1,980	8,624
0444	-	-	-	-	-	-	(75,500)	(75,500)	-	(32,474)	(32,474)
0445	(81,136)	1,864	1,143	4,916	(1,782)	23,583	(124,645)	(126,427)	9,126	(43,073)	(33,947)
009600	(87,545)	2,012	1,234	5,304	(1,922)	20,027	(35,767)	(37,689)	9,847	(5,695)	4,152
0420	-	-	-	-	-	2,299	(57,055)	(57,055)	-	(20,106)	(20,106)
0402	(19,007,932)	436,754	267,839	1,151,686	(417,374)	4,480,257	(1,682,842)	(2,100,216)	213,957	541,957	2,679,914
0493	(113,925)	2,618	1,605	6,903	(2,502)	33,555	(160,065)	(162,567)	12,814	(50,004)	(37,190)
0441	(385,708)	8,863	5,435	23,370	(8,469)	82,576	(23,452)	(33,921)	49,340	17,038	60,421
ESC002	(3,541,521)	81,375	49,903	214,580	(77,764)	2,658,133	(77,764)	(77,764)	398,340	654,944	1,053,284
ESC004	(1,477,703)	33,954	20,822	89,534	(32,447)	1,112,436	-	-	166,208	273,462	439,670
ESC006	(2,754,549)	63,292	1,837,067	166,897	(60,484)	2,106,070	-	(60,484)	309,824	511,560	821,384
wvSAF	(800,263,921)	18,388,022	11,276,449	48,487,788	(17,572,090)	167,736,184	(68,132,023)	(85,704,113)	90,011,339	11,402,797	101,414,136
wvARC	(2,205,788,102)	50,683,381	31,081,573	133,648,148	(48,434,412)	308,689,283	(107,541,829)	(155,976,241)	248,100,582	(16,708,827)	231,391,755
	\$ (3,220,941,000)	\$ 74,009,000	\$ 45,386,000	\$ 195,156,000	\$ (70,725,000)	\$ 543,669,374	\$ (229,118,374)	\$ (299,843,374)	\$ 362,282,000	\$ -	\$ 362,282,000

STATE TEACHERS RETIREMENT SYSTEM

NOTES TO SCHEDULES OF EMPLOYER ALLOCATIONS AND PENSION AMOUNTS BY EMPLOYER

1 - NATURE OF ENTITY

The State Teachers' Retirement System (TRS) is a multiple employer defined benefit cost sharing public employee retirement system covering all full-time employees of the 55 county public school systems in the State and certain personnel of the 13 State-supported institutions of higher education, State Department of Education and the Higher Education Policy Commission hired prior to July 1, 1991. Employees of the State-supported institutions of higher education and the Higher Education Policy Commission hired after June 30, 1991, are required to participate in the Higher Education Retirement System. TRS closed membership to new hires effective July 1, 1991. However, effective July 1, 2005, all new employees hired for the first time are required to participate in TRS.

During fiscal year 1991, the West Virginia State Legislature created the Consolidated Public Retirement Board (the Board) to administer nine of the State of West Virginia's ten retirement plans. The Board is managed by a Board of Trustees, which consists of, by virtue of their position, the Governor, State Auditor, State Treasurer, and Secretary of the Department of Administration, together with the following gubernatorial appointments that are subject to the advice and consent of the State Senate: four residents of the State who are not participants in the retirement plans, one State and one non-State employee participant in the Public Employees' Retirement System, and one participant each from the other seven defined benefit plans administered by the Board.

Chapter 18, Article 7A of the West Virginia State Code assigns the authority to establish and amend the provisions of the plan to the State Legislature.

2 - SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

Introduction - The Government Accounting Standards Board (GASB) Statement No. 68, *Accounting and Financial Reporting for Pensions*, establishes financial reporting requirements for governments that provide employees with pension benefits. GASB Statement No. 68 requires governmental employers to recognize a net pension liability and/or a net pension asset as employees earn pension benefits. Governments participating in TRS will recognize their proportionate share of the collective pension amounts for all benefits provided through the plan.

Basis of Accounting - The schedule of pension amounts by employer of the Plan has been prepared in conformity with accounting principles generally accepted in the United States of America (GAAP) as applied to governmental units. The GASB is the accepted standard setting body for establishing governmental accounting and financial reporting principles for governmental units.

STATE TEACHERS RETIREMENT SYSTEM

NOTES TO SCHEDULES OF EMPLOYER ALLOCATIONS AND PENSION AMOUNTS BY EMPLOYER (Continued)

2 - SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (Continued)

Basis of Allocation - Pension amounts have been allocated to each participating employer and non-employer contributing entity based on their proportionate share of employer and non-employer contributions to the TRS for the fiscal year ended June 30, 2020. Employer contributions are recognized when due. Retroactive service, military service, out of state service, and back pay employer contributions related to prior fiscal years have been excluded from the allocation. Employer contributions made by the non-employer contributing entity on behalf of participating employers have been allocated to the non-employer contributing entity in accordance with the special funding situation requirements of GASB 68. See Note 7, special funding situation, for additional discussion, and Note 8 for discussion of contributions that are not in a special funding situation.

Accounting Estimates - The preparation of the schedules of employer allocations and pension amounts by employer in accordance with GAAP requires management to make estimates and assumptions that affect the reported amounts of net pension liability, deferred inflows of resources, deferred outflows of resources, and pension expense as of the measurement date. Actual amounts could differ from those estimates.

Investments - All defined benefit plan funds not required to meet disbursement needs are invested in accordance with the West Virginia Code, as well as policies established by the West Virginia Investment Management Board (WVIMB). The WVIMB has established various investment pools to provide for the investment of the defined benefit plans' assets. These investment pools are structured as multiparticipant variable net asset funds.

The WVIMB was organized on April 25, 1997, as a public body corporate created by West Virginia Code Section 12-6-1 to provide prudent fiscal administration and investment management services to designated state pension funds, the state's Workers' Compensation and Coal Workers' Pneumoconiosis funds, and certain other state government funds. The WVIMB is governed by a Board of Trustees, consisting of thirteen members. The Governor, the State Auditor, and the State Treasurer are ex officio members of the Board of Trustees. The Governor appoints all other WVIMB Trustees for a term of six years.

Measurement Date - Net pension liability, deferred inflows of resources, deferred outflows of resources, and pension expense were determined by actuarial valuations as of July 1, 2019 rolled forward to June 30, 2020, which is the measurement date.

3 - AMORTIZATION

The net difference between projected and actual investment earnings on pension plan investments is amortized over a five-year period. All other deferred outflows of resources and deferred inflows of resources relating to pension amounts reported in these schedules are amortized and included in pension expense over the average expected remaining service life of 5.00 years.

STATE TEACHERS RETIREMENT SYSTEM

NOTES TO SCHEDULES OF EMPLOYER ALLOCATIONS AND
PENSION AMOUNTS BY EMPLOYER
(Continued)

3 – AMORTIZATION (Continued)

The amortization of the deferred outflows and deferred inflows related to changes in the proportionate share of contributions from year to year for each entity is available from the West Virginia Public Retirement Board.

Information regarding the amortization of deferred outflows and deferred inflows of resources related to pension amounts follows:

Net Difference Between Projected and Actual Investment Earnings on Pension Plan Investments (in thousands, except for the recognition period):

<u>Measurement date June 30</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>Deferred Outflows of Resources</u>	<u>Deferred Inflows of Resources</u>	<u>Total</u>
Amount	\$ 524,259	\$(508,789)	\$(144,907)	\$ 130,863	\$ 345,447			
Recognition period (years)	5.00	5.00	5.00	5.00	5.00			
Amount recongized in								
fiscal year:								
2016	\$ 104,852	\$ -	\$ -	\$ -	\$ -	\$ 104,852	\$ -	\$ 104,852
2017	104,852	(101,758)	-	-	-	104,852	(101,758)	3,094
2018	104,852	(101,758)	(28,982)	-	-	104,852	(130,740)	(25,888)
2019	104,852	(101,758)	(28,982)	26,173	-	131,025	(130,740)	285
2020	104,851	(101,758)	(28,982)	26,173	69,090	200,114	(130,740)	69,374
2021	-	(101,757)	(28,982)	26,173	69,090	95,263	(130,739)	(35,476)
2022	-	-	(28,979)	26,173	69,090	95,263	(28,979)	66,284
2023	-	-	-	26,171	69,090	95,261	-	95,261
2024	-	-	-	-	69,087	69,087	-	69,087
Balance as of June 30:								
2016	\$ 419,407	\$ -	\$ -	\$ -	\$ -	\$ 419,407	\$ -	\$ 419,407
2017	314,555	(407,031)	-	-	-	314,555	(407,031)	(92,476)
2018	209,703	(305,273)	(115,925)	-	-	209,703	(421,198)	(211,495)
2019	104,851	(203,515)	(86,943)	104,690	-	209,541	(290,458)	(80,917)
2020	-	(101,757)	(57,961)	78,517	276,357	354,874	(159,718)	195,156
2021	-	-	(28,979)	52,344	207,267	259,611	(28,979)	230,632
2022	-	-	-	26,171	138,177	164,348	-	164,348
2023	-	-	-	-	69,087	69,087	-	69,087

STATE TEACHERS RETIREMENT SYSTEM

NOTES TO SCHEDULES OF EMPLOYER ALLOCATIONS AND
PENSION AMOUNTS BY EMPLOYER
(Continued)

3 - AMORTIZATION (Continued)

Differences Between Expected and Actual Experience (in thousands, except for the recognition period):

<u>Measurement date June 30</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>Deferred Outflows of Resources</u>	<u>Deferred Inflows of Resources</u>	<u>Total</u>
Amount	\$ (36,005)	\$ 45,210	\$ (52,290)	\$ (19,576)	\$ (69,708)	\$ 83,412			
Recognition period (years)	6.00	5.96	5.98	5.71	5.45	5.00			
Amount recognized in fiscal year:									
2015	\$ (6,001)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (6,001)	\$ (6,001)
2016	(6,001)	7,586	-	-	-	-	7,586	(6,001)	1,585
2017	(6,001)	7,586	(8,745)	-	-	-	7,586	(14,746)	(7,160)
2018	(6,001)	7,586	(8,745)	(3,429)	-	-	7,586	(18,175)	(10,589)
2019	(6,001)	7,586	(8,745)	(3,429)	(12,791)	-	7,586	(30,966)	(23,380)
2020	(6,000)	7,586	(8,745)	(3,429)	(12,791)	16,683	24,269	(30,965)	(6,696)
2021	-	7,280	(8,745)	(3,429)	(12,791)	16,683	23,963	(24,965)	(1,002)
2022	-	-	(8,565)	(3,429)	(12,791)	16,683	16,683	(24,785)	(8,102)
2023	-	-	-	(2,431)	(12,791)	16,683	16,683	(15,222)	1,461
2024	-	-	-	-	(5,753)	16,680	16,680	(5,753)	10,927
Balance as of June 30:									
2015	\$ (30,004)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (30,004)	\$ (30,004)
2016	(24,003)	37,624	-	-	-	-	37,624	(24,003)	13,621
2017	(18,002)	30,038	(43,545)	-	-	-	30,038	(61,547)	(31,509)
2018	(12,001)	22,452	(34,800)	(16,147)	-	-	22,452	(62,948)	(40,496)
2019	(6,000)	14,866	(26,055)	(12,718)	(56,917)	83,412	98,278	(101,690)	(3,412)
2020	-	7,280	(17,310)	(9,289)	(44,126)	66,729	74,009	(70,725)	3,284
2021	-	-	(8,565)	(5,860)	(31,335)	50,046	50,046	(45,760)	4,286
2022	-	-	-	(2,431)	(18,544)	33,363	33,363	(20,975)	12,388
2023	-	-	-	-	(5,753)	16,680	16,680	(5,753)	10,927

STATE TEACHERS RETIREMENT SYSTEM

NOTES TO SCHEDULES OF EMPLOYER ALLOCATIONS AND
PENSION AMOUNTS BY EMPLOYER

(Continued)

3 - AMORTIZATION (Continued)

Changes in Assumptions (in thousands, except for the recognition period):

<u>Measurement date June 30</u>	<u>2016</u>	<u>2020</u>	<u>Deferred Outflows of Resources</u>	<u>Deferred Inflows of Resources</u>	<u>Total</u>
Amount	\$ 195,343	\$ 17,404			
Recognition period (years)	5.96	5.00			
Amount recongized in					
fiscal year:					
2016	\$ 32,776	\$ -	\$ 32,776	\$ -	\$ 32,776
2017	32,776	-	32,776	-	32,776
2018	32,776	-	32,776	-	32,776
2019	32,776	-	32,776	-	32,776
2020	32,776	3,481	36,257	-	36,257
2021	31,463	3,481	34,944	-	34,944
2022	-	3,481	3,481	-	3,481
2023	-	3,481	3,481	-	3,481
2024	-	3,480	3,480	-	3,480
Balance as of June 30:					
2016	\$ 162,567	\$ -	\$ 162,567	\$ -	\$ 162,567
2017	129,791	-	129,791	-	129,791
2018	97,015	-	97,015	-	97,015
2019	64,239	-	64,239	-	64,239
2020	31,463	13,923	45,386	-	45,386
2022	-	10,442	10,442	-	10,442
2023	-	6,961	6,961	-	6,961
2024	-	3,480	3,480	-	3,480

4 - PENSION EXPENSE

The components of pension expense for the year ended June 30, 2020 (in thousands):

Service cost	\$ 149,759
Interest cost	794,751
Projected earnings on plan investments	(581,513)
Employee contributions	(96,511)
Recognition of current period deferred outflows/inflows:	
Changes in benefit terms	-
Changes in assumptions	3,481
Differences between expected and actual experience	16,683
Differences between projected and actual investment earnings	69,090
Recognition of prior years' deferred outflows/inflows:	
Changes in assumptions	32,776
Differences between expected and actual experience	(23,379)
Differences between projected and actual investment earnings	284
Other changes in fiduciary net position	(3,139)
Total pension expense	<u>\$ 362,282</u>

The average of the expected remaining service lifetime of actives and inactive members as of July 1, 2019, which is 5.00 years.

STATE TEACHERS RETIREMENT SYSTEM

NOTES TO SCHEDULES OF EMPLOYER ALLOCATIONS AND
PENSION AMOUNTS BY EMPLOYER

(Continued)

5 - NET PENSION ASSET (LIABILITY) AND ACTUARIAL INFORMATION

The net pension liability (NPL) is the portion of the actuarial present value of projected benefit payments related to past periods.

The components of the net pension liability as of June 30, 2020, are as follows (in thousands):

Total Pension Liability	\$(11,065,269)
Fiduciary Net Position	<u>7,844,328</u>
Net Pension Asset (Liability)	<u>\$ (3,220,941)</u>
Fiduciary Net Position as a percent of Total Pension Liability	70.89%

The total pension liabilities for financial reporting purposes were determined by actuarial valuation as of July 1, 2019 and rolled forward to June 30, 2020 using the actuarial assumptions and methods described, as follows:

Actuarial cost method	Individual entry age normal cost with level percentage of payroll
Asset valuation method	Fair value
Amortization method	Level dollar, fixed period
Amortization Period	Through Fiscal Year 2029
Actuarial assumptions:	
Investment rate of return	7.50%
Projected salary increases:	
State	3.00% - 6.00%
Nonstate	3.00% - 6.50%
Inflation rate	3.00%
Discount rate	7.50%
Mortality rates	<i>Active</i> - Pub-2010 General Employee Tables, headcount-weighted, projected with Scale MP-2019 <i>Health Male Retirees</i> - Pub-2010 General Retiree Male Table, headcount-weighted, projected with Scale MP-2019 <i>Health Female Retirees</i> - 112% of Pub-2010 General Retiree Female Table, headcount-weighted, projected with Scale MP-2019 <i>Disabled Males</i> - 107% of Pub-2010 General / Teachers Disabled Male Table, headcount-weighted, projected with Scale MP-2019 <i>Disabled Females</i> - 113% of Pub-2010 General / Teachers Disabled Female Table, headcount-weighted, projected with Scale MP-2019
Withdrawal rates:	
State	7.00% - 35.00%
Nonstate	2.33% - 18.00%
Disability rates	0.004% - 0.563%
Retirement rates	15% - 100%
Date range of most recent experience study	2014 - 2019

STATE TEACHERS RETIREMENT SYSTEM

NOTES TO SCHEDULES OF EMPLOYER ALLOCATIONS AND
PENSION AMOUNTS BY EMPLOYER

(Continued)

6 - SENSITIVITY OF NET PENSION ASSET (LIABILITY) TO CHANGES IN THE DISCOUNT RATE (in thousands)

Sensitivity of Discount Rate	1% Decrease (6.5%)	Current Discount Rate (7.5%)	1% Increase (8.5%)
Total net pension asset (liability)	\$ (4,351,215)	\$ (3,220,941)	\$ (2,257,864)

7 - SPECIAL FUNDING SITUATION

The State of West Virginia (State) is a non-employer contributing entity that provides funding through the School Aid Formula (SAF) to subsidize employer contributions of county boards of education and to fund the unfunded liability of TRS for all participating employers. These amounts qualify as a special funding situation in accordance with GASB Statement No. 68. The State assumes a share of the net pension liability on behalf of the various county boards of education for contributions related to the SAF. The State assumes a share of the net pension liability on behalf of all participating employers for contributions related to funding of the unfunded liability.

8 - CONTRIBUTIONS BY NON-EMPLOYER CONTRIBUTING ENTITY NOT IN A SPECIAL FUNDING SITUATION

For the year ended June 30, 2020, the West Virginia Legislature appropriated and contributed funds to the TRS in excess of the Annual Required Contribution (ARC) in the amount of \$50,112,000. This contribution is not considered a special funding situation and the amounts of this contribution associated with each participating employer are reported in the "on-behalf payments" column reported in the accompanying schedule of employer allocations.