

Required Supplementary Information

**Schedule of Revenues, Expenditures, and Changes in Fund Balances – Budget and Actual –
General and Major Special Revenue Funds**

Fiscal Year Ended June 30, 2022

(Dollars in Thousands)

	General Fund			Final/Actual Variance Positive (Negative)
	Original Budget	Final Budget	Actual	
Revenues:				
Taxes:				
Individual and Fiduciary Income	\$ 15,991,400	\$ 18,593,100	\$ 20,410,206	\$ 1,817,106
Sales and Use	4,426,000	4,948,300	5,080,580	132,280
Corporation Income	1,271,600	2,009,600	1,978,697	(30,903)
Motor Fuel	—	—	—	—
Motor Vehicle Sales and Use	—	—	—	—
Communications Sales and Use	348,000	335,000	301,446	(33,554)
Deeds, Contracts, Wills, and Suits	475,000	665,700	665,602	(98)
Premiums of Insurance Companies	360,900	419,300	426,830	7,530
Alcoholic Beverage Sales	283,700	300,300	300,153	(147)
Tobacco Products	290,100	290,100	278,626	(11,474)
Estate	—	—	27	27
Public Service Corporations	98,600	103,500	102,586	(914)
Other Taxes	47,211	66,701	88,835	22,134
Rights and Privileges	89,981	100,173	113,371	13,198
Sales of Property and Commodities	11,546	11,805	20,185	8,380
Assessments and Receipts for Support of Special Services	5,337	5,967	5,897	(70)
Institutional Revenue	53,882	57,824	33,673	(24,151)
Interest, Dividends, and Rents	93,855	92,480	82,207	(10,273)
Fines, Forfeitures, Court Fees, Penalties, and Escheats	216,004	230,119	220,132	(9,987)
Federal Grants and Contracts	11,358	11,357	11,725	368
Receipts from Cities, Counties, and Towns	9,017	7,800	7,122	(678)
Private Donations, Gifts and Contracts	318	292	336	44
Tobacco Master Settlement	47,500	47,500	62,813	15,313
Other	184,569	323,047	403,039	79,992
Total Revenues	24,315,878	28,619,965	30,594,088	1,974,123
Expenditures:				
Current:				
General Government	2,928,150	3,071,288	2,783,669	287,619
Education	10,756,550	11,655,965	11,330,277	325,688
Transportation	22,659	194,525	164	194,361
Resources and Economic Development	754,236	883,873	616,873	267,000
Individual and Family Services	8,296,597	7,623,020	7,369,472	253,548
Administration of Justice	3,186,152	3,336,965	3,142,616	194,349
Capital Outlay	146,567	182,664	59,151	123,513
Debt Service:				
Principal Retirement	20,571	20,571	20,571	—
Interest and Charges	2,904	2,904	2,904	—
Total Expenditures	26,114,386	26,971,775	25,325,697	1,646,078
Revenues Over (Under) Expenditures	(1,798,508)	1,648,190	5,268,391	3,620,201
Other Financing Sources (Uses):				
Transfers:				
Transfers In	967,486	1,137,044	1,172,516	35,472
Transfers Out	(444,995)	(559,487)	(570,986)	(11,499)
Bonds Issued	—	—	—	—
Premium on Debt Issuance	—	—	—	—
Total Other Financing Sources (Uses)	522,491	577,557	601,530	23,973
Revenues and Other Sources Over (Under) Expenditures and Other Uses	(1,276,017)	2,225,747	5,869,921	3,644,174
Fund Balance, July 1	7,505,113	7,505,113	7,505,113	—
Fund Balance, June 30	\$ 6,229,096	\$ 9,730,860	\$ 13,375,034	\$ 3,644,174

See notes on page 203 in this section.

Special Revenue Funds

Commonwealth Transportation Fund

Original Budget	Final Budget	Actual	Final/Actual Variance Positive (Negative)
\$ —	\$ —	\$ —	\$ —
1,766,200	2,000,471	2,021,830	21,359
—	—	—	—
1,768,000	1,778,988	1,714,674	(64,314)
899,600	1,180,400	1,215,133	34,733
—	—	—	—
105,300	136,800	132,758	(4,042)
180,657	180,657	180,657	—
—	—	—	—
—	—	—	—
—	—	—	—
164,408	158,147	206,320	48,173
681,726	753,458	728,540	(24,918)
550	424	2,436	2,012
25,850	18,000	18,123	123
—	—	—	—
37,915	38,165	21,470	(16,695)
14,787	15,363	25,467	10,104
1,279,944	1,300,223	1,195,082	(105,141)
834,206	833,369	698,066	(135,303)
25	25	14,818	14,793
—	—	—	—
27,804	40,962	57,184	16,222
7,786,972	8,435,452	8,232,558	(202,894)
112,339	119,388	63,555	55,833
1,750	1,824	1,815	9
8,381,672	9,739,357	7,158,888	2,580,469
43,131	45,762	22,560	23,202
—	—	—	—
10,684	10,684	10,683	1
67,085	131,588	21,048	110,540
2,671	2,671	2,671	—
697	697	697	—
8,620,029	10,051,971	7,281,917	2,770,054
(833,057)	(1,616,519)	950,641	2,567,160
55,188	170,984	176,776	5,792
(488,393)	(570,299)	(541,073)	29,226
289,455	289,455	289,455	—
44,853	44,853	44,853	—
(98,897)	(65,007)	(29,989)	35,018
(931,954)	(1,681,526)	920,652	2,602,178
4,335,767	4,335,767	4,335,767	—
\$ 3,403,813	\$ 2,654,241	\$ 5,256,419	\$ 2,602,178

Continued on next page

**Schedule of Revenues, Expenditures, and Changes in Fund Balances – Budget and Actual –
General and Major Special Revenue Funds (Continued from previous page)**

Fiscal Year Ended June 30, 2022
(Dollars in Thousands)

	Special Revenue Funds			
	Federal Trust			
	Original Budget	Final Budget	Actual	Final/Actual Variance Positive (Negative)
Revenues:				
Taxes:				
Individual and Fiduciary Income	\$ —	\$ —	\$ —	\$ —
Sales and Use	—	—	—	—
Corporation Income	—	—	—	—
Motor Fuel	—	—	—	—
Motor Vehicle Sales and Use	—	—	—	—
Communications Sales and Use	—	—	—	—
Deeds, Contracts, Wills, and Suits	—	—	—	—
Premiums of Insurance Companies	—	—	—	—
Alcoholic Beverage Sales	—	—	—	—
Tobacco Products	—	—	—	—
Estate	—	—	—	—
Public Service Corporations	—	—	—	—
Other Taxes	—	—	—	—
Rights and Privileges	—	—	470	470
Sales of Property and Commodities	—	—	—	—
Assessments and Receipts for Support of Special Services	—	—	—	—
Institutional Revenue	—	—	247	247
Interest, Dividends, and Rents	606	649	1,242	593
Fines, Forfeitures, Court Fees, Penalties, and Escheats	2,998	712	742	30
Federal Grants and Contracts	15,273,796	27,830,908	24,222,397	(3,608,511)
Receipts from Cities, Counties, and Towns	—	—	1,939	1,939
Private Donations, Gifts and Contracts	—	—	32	32
Tobacco Master Settlement	—	—	—	—
Other	284,768	506,510	912,081	405,571
Total Revenues	15,562,168	28,338,779	25,139,150	(3,199,629)
Expenditures:				
Current:				
General Government	153,110	1,231,408	406,962	824,446
Education	1,327,196	4,240,161	2,367,707	1,872,454
Transportation	35,150	30,218	20,876	9,342
Resources and Economic Development	210,051	1,570,427	518,949	1,051,478
Individual and Family Services	13,621,731	20,875,796	21,599,012	(723,216)
Administration of Justice	110,666	267,723	189,288	78,435
Capital Outlay	103,429	122,211	42,568	79,643
Debt Service:				
Principal Retirement	794	794	794	—
Interest and Charges	41	41	41	—
Total Expenditures	15,562,168	28,338,779	25,146,197	3,192,582
Revenues Over (Under) Expenditures	—	—	(7,047)	(7,047)
Other Financing Sources (Uses):				
Transfers:				
Transfers In	—	—	13,572	13,572
Transfers Out	—	—	(6,525)	(6,525)
Bonds Issued	—	—	—	—
Premium on Debt Issuance	—	—	—	—
Total Other Financing Sources (Uses)	—	—	7,047	7,047
Revenues and Other Sources Over (Under) Expenditures and Other Uses	—	—	—	—
Fund Balance, July 1	—	—	—	—
Fund Balance, June 30	\$ —	\$ —	\$ —	\$ —

See notes on page 203 in this section.

**Notes for Schedule of Revenues, Expenditures, and Changes in Fund Balances – Budget and Actual –
General and Major Special Revenue Funds**

1. Basis of Budgeting vs. Modified Accrual Basis Fund Balance (1)

Since the presentation of financial data on the basis of budgeting differs from that presented under accounting principles generally accepted in the United States of America, a schedule reconciling the fund balance on a budgetary basis at June 30, 2022, to the fund balance on a modified accrual basis follows.

**Fund Balance Comparison
Budgetary Basis to GAAP Basis**

(Dollars in Thousands)

	General Fund	Commonwealth Transportation Fund	Federal Trust Fund
Fund Balance, Basis of Budgeting	\$ 13,375,034	\$ 5,256,419	\$ —
Adjustments from Budget to Modified Accrual:			
Net Accrued Revenues:			
Taxes	1,420,888	355,311	—
Tax Refunds	(1,478,886)	—	—
Other Revenue/Other Sources	(448,633)	177,593	2,382,253
Deferral of Up-front SCA payment	—	(21,250)	—
Medicaid Payable	(479,772)	—	(1,607,618)
Net Accrued Expenditures/Other Uses	(708,997)	(602,615)	(419,780)
Fund Reclassification - Budget to Modified Accrual	—	(696,199)	—
Fund Balance, Modified Accrual Basis	<u>\$ 11,679,634</u>	<u>\$ 4,469,259</u>	<u>\$ 354,855</u>

1. As discussed in Note 1.E., the Literary Fund has no approved budget.

2. Appropriations

The amounts presented in the Schedule of Revenues, Expenditures, and Changes in Fund Balances – Budget and Actual – General and Major Special Revenue Funds are principally on a cash basis and represent the original budget adopted by the General Assembly and all supplemental appropriations and transfers. The following schedule reconciles original appropriations to the final adjusted expenditure appropriations for the General Fund and Major Special Revenue Funds, at June 30, 2022, except the Literary Fund which has no approved budget.

<i>(Dollars in Thousands)</i>	General Fund (8)	Commonwealth Transportation Fund	Federal Trust Fund (9)
Appropriations (1)	\$ 26,114,386	\$ 8,620,029	\$ 15,562,168
Supplemental Appropriations:			
Reappropriations (2)	544,285	74,085	132,954
Subsequent Executive (3)	284,061	653,784	4,573,191
Subsequent Legislative (4)	1,214,055	544,965	10,574,249
Capital Outlay and Operating Reversions (5)	(658)	—	(3,350)
Transfers (6)	(821,800)	171,193	(2,240,647)
Capital Outlay Adjustment (7)	(362,554)	(12,085)	(259,786)
Appropriations, as adjusted	<u>\$ 26,971,775</u>	<u>\$ 10,051,971</u>	<u>\$ 28,338,779</u>

1. Represents the budget appropriated through Chapter 552, 2021 Acts of Assembly Special Session I as amended by Chapter 1, 2022 Acts of Assembly Special Session I.
2. Actions taken to reappropriate any prior year unexpended balances per authority of the language in the Appropriation Act.
3. Actions taken by the Governor to carry forward any prior year unexpended balances, sum sufficient authority, and year 2 to year 1 reductions (General Fund) and actions taken to appropriate any additional revenues collected so that they can be legally spent (Special Revenue Funds).
4. Actions taken by the Governor and the General Assembly to adjust the budget.
5. Represents reversions of unexpended capital outlay and operating balances.
6. Represents transfers required by the Appropriation Act. Transfers out are reduced by approximately \$2.4 billion (General Fund) and \$57.8 million (Commonwealth Transportation Fund) for transfers to component units and fiduciary funds that have been reclassified as expenditures in accordance with GASB Statement No. 34.
7. Capital outlay appropriations cover the projects' lives and usually extend beyond the current fiscal year. These amounts have been adjusted to report the amount authorized for expenditure during the current fiscal year.
8. Budgetary reductions totaling \$709.2 million are excluded since they were not available for disbursement during the current fiscal year.
9. Appropriations do not include food stamp issuances of \$2.9 billion since this is a noncash item; however, this amount is included in actual expenditures.

Schedule of Changes in Employers' Net Pension Liability (1) (2)

Fiscal Year Ended June 30, 2022

(Dollars in Thousands)

Change in the Net Pension Liability	VRS State				
	2022	2021	2020	2019	2018
Total pension liability:					
Service cost	\$ 404,703	\$ 406,776	\$ 379,359	\$ 375,965	\$ 370,235
Interest	1,704,842	1,666,047	1,627,637	1,606,772	1,562,819
Benefit changes	—	—	—	—	—
Difference between actual and expected experience	(281,382)	(12,440)	181,189	(327,289)	(85,975)
Assumption changes	412,575	—	663,566	—	76,965
Benefit payments	(1,486,951)	(1,427,873)	(1,360,833)	(1,296,803)	(1,234,388)
Refunds of contributions	(29,065)	(27,427)	(26,897)	(30,236)	(30,837)
Net change in total pension liability	724,722	605,083	1,464,021	328,409	658,819
Total pension liability - beginning	26,014,925	25,409,842	23,945,821	23,617,412	22,958,593
Total pension liability - ending (a)	\$ 26,739,647	\$ 26,014,925	\$ 25,409,842	\$ 23,945,821	\$ 23,617,412
Plan fiduciary net position:					
Contributions - employer	\$ 609,778	\$ 576,443	\$ 545,584	\$ 548,158	\$ 535,424
Contributions - member	207,065	210,896	201,481	201,920	201,391
Net investment income	5,055,163	361,061	1,211,722	1,302,241	1,963,811
Benefit payments	(1,486,951)	(1,427,873)	(1,360,833)	(1,296,803)	(1,234,388)
Refunds of contributions	(29,065)	(27,427)	(26,897)	(30,236)	(30,837)
Administrative expense	(12,904)	(12,603)	(12,374)	(11,481)	(11,612)
Other	(737)	(539)	(762)	28,502	(1,743)
Net change in plan fiduciary net position	4,342,349	(320,042)	557,921	742,301	1,422,046
Plan fiduciary net position - beginning	18,770,068	19,090,110	18,532,189	17,789,888	16,367,842
Plan fiduciary net position - ending (b)	23,112,417	18,770,068	19,090,110	18,532,189	17,789,888
Net pension liability - ending (a-b)	\$ 3,627,230	\$ 7,244,857	\$ 6,319,732	\$ 5,413,632	\$ 5,827,524
Plan fiduciary net position as a percentage of the total pension liability (b/a)	86.4 %	72.2 %	75.1 %	77.4 %	75.3 %
Covered payroll (c)	\$ 4,399,969	\$ 4,440,135	\$ 4,197,484	\$ 4,152,368	\$ 4,020,893
Net pension liability as a percentage of covered payroll ((a-b)/c)	82.4 %	163.2 %	150.6 %	130.4 %	144.9 %

(1) The Commonwealth implemented GASB Statement No. 68, *Accounting and Financial Reporting for Pensions – an amendment of GASB Statement No. 27*, and GASB Statement No. 71, *Pension Transition for Contributions Made Subsequent to the Measurement Date – an amendment of GASB Statement No. 68*, effective for the fiscal year ended June 30, 2015, therefore, ten years of data is unavailable.

(2) The Commonwealth's fiscal year 2022 net pension liability measurement date is June 30, 2021, as reported in Note 16.

See notes on page 218 in this section.

	2017	2016	2015
\$	369,779	\$ 375,149	\$ 369,120
	1,533,764	1,482,951	1,436,064
	—	—	—
	(245,642)	59,923	—
	—	—	—
	(1,195,198)	(1,136,102)	(1,081,866)
	(25,240)	(27,724)	(25,036)
	437,463	754,197	698,282
	22,521,130	21,766,933	21,068,651
\$	<u>22,958,593</u>	<u>\$ 22,521,130</u>	<u>\$ 21,766,933</u>

\$	722,617	\$ 480,657	\$ 343,259
	200,184	195,582	198,035
	277,166	728,083	2,243,999
	(1,195,198)	(1,136,102)	(1,081,866)
	(25,240)	(27,724)	(25,036)
	(10,140)	(10,302)	(12,341)
	(122)	(154)	123
	(30,733)	230,040	1,666,173
	16,398,575	16,168,535	14,502,362
	16,367,842	16,398,575	16,168,535
\$	<u>6,590,751</u>	<u>\$ 6,122,555</u>	<u>\$ 5,598,398</u>

71.3 % 72.8 % 74.3 %

\$	3,977,759	\$ 3,878,632	\$ 3,861,712
	165.7 %	157.9 %	145.0 %

Continued on next page

Schedule of Changes in Employers' Net Pension Liability (1) (2) (Continued from previous page)

Fiscal Year Ended June 30, 2022

(Dollars in Thousands)

Change in the Net Pension Liability	VRS Teacher				
	2022	2021	2020	2019	2018
Total pension liability:					
Service cost	\$ 948,915	\$ 938,143	\$ 889,003	\$ 885,510	\$ 830,475
Interest	3,355,158	3,269,776	3,184,697	3,099,338	3,016,207
Benefit changes	—	—	—	—	—
Difference between actual and expected experience	(178,349)	(404,985)	(174,815)	(440,308)	(642,745)
Assumption changes	845,179	—	1,472,649	—	218,559
Benefit payments	(2,553,153)	(2,448,204)	(2,331,038)	(2,241,927)	(2,147,781)
Refunds of contributions	(38,464)	(36,211)	(36,715)	(40,578)	(39,521)
Net change in total pension liability	2,379,286	1,318,519	3,003,781	1,262,035	1,235,194
Total pension liability - beginning	51,001,855	49,683,336	46,679,555	45,417,520	44,182,326
Total pension liability - ending (a)	\$ 53,381,141	\$ 51,001,855	\$ 49,683,336	\$ 46,679,555	\$ 45,417,520
Plan fiduciary net position:					
Contributions - employer	\$ 1,416,135	\$ 1,327,774	\$ 1,280,964	\$ 1,292,988	\$ 1,137,976
Contributions - member	419,415	418,909	403,258	391,490	392,730
Contributions - non-employer	61,344	—	—	—	—
Net investment income	9,887,249	689,010	2,311,028	2,421,157	3,632,291
Benefit payments	(2,553,153)	(2,448,204)	(2,331,038)	(2,241,927)	(2,147,781)
Refunds of contributions	(38,464)	(36,211)	(36,715)	(40,578)	(39,521)
Administrative expense	(24,543)	(23,649)	(22,843)	(20,945)	(21,123)
Other	666	(1,169)	(1,448)	(2,167)	(3,238)
Net change in plan fiduciary net position	9,168,649	(73,540)	1,603,206	1,800,018	2,951,334
Plan fiduciary net position - beginning	36,449,229	36,522,769	34,919,563	33,119,545	30,168,211
Plan fiduciary net position - ending (b)	45,617,878	36,449,229	36,522,769	34,919,563	33,119,545
Net pension liability - ending (a-b)	\$ 7,763,263	\$ 14,552,626	\$ 13,160,567	\$ 11,759,992	\$ 12,297,975
Plan fiduciary net position as a percentage of the total pension liability (b/a)	85.5 %	71.5 %	73.5 %	74.8 %	72.9 %
Covered payroll (c)	\$ 8,843,887	\$ 8,766,667	\$ 8,387,503	\$ 8,086,986	\$ 7,891,783
Net pension liability as a percentage of covered payroll ((a-b)/c)	87.8 %	166.0 %	156.9 %	145.4 %	155.8 %

See notes on page 218 in this section.

2017	2016	2015
\$ 828,856	\$ 828,901	\$ 831,501
2,931,065	2,834,138	2,722,788
—	—	—
(391,881)	(212,089)	—
—	—	—
(2,081,069)	(1,980,353)	(1,874,636)
(35,067)	(36,058)	(36,103)
1,251,904	1,434,539	1,643,550
42,930,422	41,495,883	39,852,333
<u>\$ 44,182,326</u>	<u>\$ 42,930,422</u>	<u>\$ 41,495,883</u>

\$ 1,062,338	\$ 1,074,366	\$ 853,634
380,314	373,525	371,241
—	192,884	—
516,704	1,327,047	4,042,441
(2,081,069)	(1,980,353)	(1,874,636)
(35,067)	(36,058)	(36,103)
(18,859)	(18,238)	(22,036)
(222)	(284)	217
(175,861)	932,889	3,334,758
30,344,072	29,411,183	26,076,425
30,168,211	30,344,072	29,411,183
<u>\$ 14,014,115</u>	<u>\$ 12,586,350</u>	<u>\$ 12,084,700</u>

68.3 % 70.7 % 70.9 %

\$ 7,624,612	\$ 7,434,932	\$ 7,313,025
183.8 %	169.3 %	165.2 %

Continued on next page

Schedule of Changes in Employers' Net Pension Liability (1) (2) (Continued from previous page)

Fiscal Year Ended June 30, 2022

(Dollars in Thousands)

Change in the Net Pension Liability	VRS Political Subdivisions				
	2022	2021	2020	2019	2018
Total pension liability:					
Service cost	\$ 613,227	\$ 603,766	\$ 556,149	\$ 544,762	\$ 541,594
Interest	1,674,640	1,593,594	1,535,532	1,472,680	1,422,753
Benefit changes	13,507	19,657	3,948	10,811	36,652
Difference between actual and expected experience	(164,872)	221,364	45,032	(43,177)	(205,649)
Assumption changes	1,003,382	—	691,407	—	(64,510)
Benefit payments	(1,237,074)	(1,157,505)	(1,082,791)	(1,010,021)	(941,856)
Refunds of contributions	(42,460)	(38,323)	(40,249)	(41,324)	(42,068)
Net change in total pension liability	1,860,350	1,242,553	1,709,028	933,731	746,916
Total pension liability - beginning	25,449,316	24,206,763	22,497,735	21,564,004	20,817,088
Total pension liability - ending (a)	\$ 27,309,666	\$ 25,449,316	\$ 24,206,763	\$ 22,497,735	\$ 21,564,004
Plan fiduciary net position:					
Contributions - employer	\$ 579,989	\$ 521,543	\$ 499,293	\$ 490,286	\$ 477,563
Contributions - member	258,562	258,408	248,421	241,339	238,636
Net investment income	5,779,327	405,051	1,345,759	1,415,454	2,113,973
Benefit payments	(1,237,074)	(1,157,505)	(1,082,791)	(1,010,021)	(941,856)
Refunds of contributions	(42,460)	(38,323)	(40,249)	(41,324)	(42,068)
Administrative expense	(14,412)	(13,842)	(13,369)	(12,236)	(12,220)
Other	328	(274)	(853)	(30,924)	(1,887)
Net change in plan fiduciary net position	5,324,260	(24,942)	956,211	1,052,574	1,832,141
Plan fiduciary net position - beginning	21,234,090	21,259,032	20,302,821	19,250,247	17,418,106
Plan fiduciary net position - ending (b)	26,558,350	21,234,090	21,259,032	20,302,821	19,250,247
Net pension liability - ending (a-b)	\$ 751,316	\$ 4,215,226	\$ 2,947,731	\$ 2,194,914	\$ 2,313,757
Plan fiduciary net position as a percentage of the total pension liability (b/a)	97.2 %	83.4 %	87.8 %	90.2 %	89.3 %
Covered payroll (c)	\$ 5,403,267	\$ 5,368,250	\$ 5,118,622	\$ 4,932,344	\$ 4,765,842
Net pension liability as a percentage of covered payroll ((a-b)/c)	13.9 %	78.5 %	57.6 %	44.5 %	48.5 %

See notes on page 218 in this section.

2017	2016	2015
\$ 535,322	\$ 530,945	\$ 524,758
1,362,892	1,309,484	1,243,386
2,053	1,135	—
(87,268)	(185,419)	—
—	—	—
(893,585)	(819,201)	(754,706)
(37,380)	(36,898)	(36,876)
882,034	800,046	976,562
19,935,054	19,135,008	18,158,446
<u>\$ 20,817,088</u>	<u>\$ 19,935,054</u>	<u>\$ 19,135,008</u>

\$ 543,947	\$ 533,877	\$ 539,366
231,934	227,060	225,555
300,995	761,164	2,272,284
(893,585)	(819,201)	(754,706)
(37,380)	(36,898)	(36,876)
(10,696)	(10,358)	(12,153)
(130)	(162)	120
135,085	655,482	2,233,590
17,283,021	16,627,539	14,393,949
17,418,106	17,283,021	16,627,539
<u>\$ 3,398,982</u>	<u>\$ 2,652,033</u>	<u>\$ 2,507,469</u>

83.7 % 86.7 % 86.9 %

\$ 4,628,806	\$ 4,513,335	\$ 4,434,764
73.4 %	58.8 %	56.5 %

Continued on next page

Schedule of Changes in Employers' Net Pension Liability (1) (2) (Continued from previous page)

Fiscal Year Ended June 30, 2022

(Dollars in Thousands)

Change in the Net Pension Liability	SPORS				
	2022	2021	2020	2019	2018
Total pension liability:					
Service cost	\$ 22,042	\$ 22,167	\$ 20,079	\$ 18,187	\$ 18,880
Interest	79,549	77,231	72,715	71,251	74,042
Benefit changes	—	—	—	—	—
Difference between actual and expected experience	(9,431)	4,466	45,330	(7,248)	(5,327)
Assumption changes	58,257	—	31,773	—	(68,707)
Benefit payments	(73,227)	(64,991)	(62,683)	(58,197)	(57,814)
Refunds of contributions	(271)	(552)	(805)	(867)	(630)
Net change in total pension liability	76,919	38,321	106,409	23,126	(39,556)
Total pension liability - beginning	<u>1,215,258</u>	<u>1,176,937</u>	<u>1,070,528</u>	<u>1,047,402</u>	<u>1,086,958</u>
Total pension liability - ending (a)	<u>\$ 1,292,177</u>	<u>\$ 1,215,258</u>	<u>\$ 1,176,937</u>	<u>\$ 1,070,528</u>	<u>\$ 1,047,402</u>
Plan fiduciary net position:					
Contributions - employer	\$ 33,788	\$ 32,497	\$ 31,437	\$ 35,806	\$ 31,888
Contributions - member	6,489	6,600	6,379	6,311	5,701
Net investment income	229,138	16,333	54,792	58,148	87,265
Benefit payments	(73,227)	(64,991)	(62,683)	(58,197)	(57,814)
Refunds of contributions	(271)	(552)	(805)	(867)	(630)
Administrative expense	(531)	(360)	(488)	(509)	(926)
Other	—	(38)	(61)	(63)	(99)
Net change in plan fiduciary net position	195,386	(10,511)	28,571	40,629	65,385
Plan fiduciary net position - beginning	<u>854,762</u>	<u>865,273</u>	<u>836,702</u>	<u>796,073</u>	<u>730,688</u>
Plan fiduciary net position - ending (b)	<u>1,050,148</u>	<u>854,762</u>	<u>865,273</u>	<u>836,702</u>	<u>796,073</u>
Net pension liability - ending (a-b)	<u>\$ 242,029</u>	<u>\$ 360,496</u>	<u>\$ 311,664</u>	<u>\$ 233,826</u>	<u>\$ 251,329</u>
Plan fiduciary net position as a percentage of the total pension liability (b/a)	81.3 %	70.3 %	73.5 %	78.2 %	76.0 %
Covered payroll (c)	\$ 128,252	\$ 130,759	\$ 126,483	\$ 124,003	\$ 111,395
Net pension liability as a percentage of covered payroll ((a-b)/c)	188.7 %	275.7 %	246.4 %	188.6 %	225.6 %

See notes on page 218 in this section.

	2017	2016	2015
\$	18,700	\$ 18,847	\$ 18,341
	72,618	70,350	67,978
	—	—	—
	(14,711)	(2,890)	—
	—	—	—
	(53,515)	(53,338)	(50,467)
	(584)	(375)	(685)
	22,508	32,594	35,167
	1,064,450	1,031,856	996,689
\$	<u>1,086,958</u>	<u>\$ 1,064,450</u>	<u>\$ 1,031,856</u>

\$	33,655	\$ 28,427	\$ 42,683
	5,759	5,680	5,646
	12,634	32,466	98,682
	(53,515)	(53,338)	(50,467)
	(584)	(375)	(685)
	(590)	(471)	(431)
	(23)	(27)	—
	(2,664)	12,362	95,428
	733,352	720,990	625,562
	730,688	733,352	720,990
\$	<u>356,270</u>	<u>\$ 331,098</u>	<u>\$ 310,866</u>

	67.2 %	68.9 %	69.9 %
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\$	114,395	\$ 110,059	\$ 112,010
	311.4 %	300.8 %	277.5 %

Continued on next page

Schedule of Changes in Employers' Net Pension Liability (1) (2) (Continued from previous page)

Fiscal Year Ended June 30, 2022

(Dollars in Thousands)

Change in the Net Pension Liability	VaLORS				
	2022	2021	2020	2019	2018
Total pension liability:					
Service cost	\$ 47,606	\$ 48,003	\$ 44,526	\$ 45,179	\$ 47,189
Interest	149,677	143,708	139,307	136,289	135,453
Benefit changes	—	—	—	—	—
Difference between actual and expected experience	(25,405)	22,645	11,067	(26,111)	(1,457)
Assumption changes	66,216	—	62,090	—	(63,457)
Benefit payments	(124,045)	(117,137)	(109,193)	(104,776)	(96,224)
Refunds of contributions	(5,791)	(4,893)	(4,933)	(5,604)	(4,938)
Net change in total pension liability	108,258	92,326	142,864	44,977	16,566
Total pension liability - beginning	2,282,351	2,190,025	2,047,161	2,002,184	1,985,618
Total pension liability - ending (a)	\$ 2,390,609	\$ 2,282,351	\$ 2,190,025	\$ 2,047,161	\$ 2,002,184
Plan fiduciary net position:					
Contributions - employer	\$ 76,415	\$ 79,914	\$ 75,327	\$ 73,793	\$ 73,816
Contributions - member	17,602	18,712	17,871	17,496	17,598
Net investment income	405,217	28,579	93,872	98,292	146,039
Benefit payments	(124,045)	(117,137)	(109,193)	(104,776)	(96,224)
Refunds of contributions	(5,791)	(4,893)	(4,933)	(5,604)	(4,938)
Administrative expense	(943)	(623)	(831)	(861)	(1,540)
Other	—	(73)	(103)	(247)	(310)
Net change in plan fiduciary net position	368,455	4,479	72,010	78,093	134,441
Plan fiduciary net position - beginning	1,500,469	1,495,990	1,423,980	1,345,887	1,211,446
Plan fiduciary net position - ending (b)	1,868,924	1,500,469	1,495,990	1,423,980	1,345,887
Net pension liability - ending (a-b)	\$ 521,685	\$ 781,882	\$ 694,035	\$ 623,181	\$ 656,297
Plan fiduciary net position as a percentage of the total pension liability (b/a)	78.2 %	65.7 %	68.3 %	69.6 %	67.2 %
Covered payroll (c)	\$ 348,650	\$ 369,996	\$ 349,998	\$ 345,531	\$ 344,468
Net pension liability as a percentage of covered payroll ((a-b)/c)	149.6 %	211.3 %	198.3 %	180.4 %	190.5 %

See notes on page 218 in this section.

	2017	2016	2015
\$	45,608	\$ 47,531	\$ 46,504
	129,756	124,579	119,040
	—	—	—
	4,997	(4,849)	—
	—	—	—
	(92,270)	(84,990)	(78,412)
	(4,524)	(4,797)	(4,665)
	83,567	77,474	82,467
	1,902,051	1,824,577	1,742,110
\$	<u>1,985,618</u>	<u>\$ 1,902,051</u>	<u>\$ 1,824,577</u>

\$	79,392	\$ 62,084	\$ 67,483
	17,574	17,081	17,908
	20,899	52,312	156,786
	(92,270)	(84,990)	(78,412)
	(4,524)	(4,797)	(4,665)
	(940)	(743)	(681)
	(38)	(44)	—
	20,093	40,903	158,419
	1,191,353	1,150,450	992,031
	1,211,446	1,191,353	1,150,450
\$	<u>774,172</u>	<u>\$ 710,698</u>	<u>\$ 674,127</u>

	61.0 %	62.6 %	63.1 %
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\$	345,504	\$ 338,562	\$ 352,492
	224.1 %	209.9 %	191.2 %

Continued on next page

Schedule of Changes in Employers' Net Pension Liability (1) (2) (Continued from previous page)

Fiscal Year Ended June 30, 2022

(Dollars in Thousands)

Change in the Net Pension Liability	JRS				
	2022	2021	2020	2019	2018
Total pension liability:					
Service cost	\$ 19,335	\$ 20,650	\$ 18,767	\$ 19,228	\$ 22,144
Interest	44,788	44,234	44,139	43,799	42,081
Benefit changes	—	—	—	—	—
Difference between actual and expected experience	(10,245)	(9,446)	(7,158)	(15,786)	(14,774)
Assumption changes	53,040	—	14,077	—	16,114
Benefit payments	(47,750)	(46,546)	(43,587)	(41,165)	(40,895)
Refunds of contributions	(135)	(12)	—	—	—
Net change in total pension liability	59,033	8,880	26,238	6,076	24,670
Total pension liability - beginning	687,469	678,589	652,351	646,275	621,605
Total pension liability - ending (a)	\$ 746,502	\$ 687,469	\$ 678,589	\$ 652,351	\$ 646,275
Plan fiduciary net position:					
Contributions - employer	\$ 22,856	\$ 24,819	\$ 22,893	\$ 28,096	\$ 27,612
Contributions - member	1,868	3,436	3,208	3,231	3,272
Net investment income	147,200	10,491	35,372	37,466	56,029
Benefit payments	(47,750)	(46,546)	(43,587)	(41,165)	(40,895)
Refunds of contributions	(135)	(12)	—	—	—
Administrative expense	(343)	(232)	(315)	(326)	(594)
Other	—	(42)	(39)	(42)	(64)
Net change in plan fiduciary net position	123,696	(8,086)	17,532	27,260	45,360
Plan fiduciary net position - beginning	549,455	557,541	540,009	512,749	467,389
Plan fiduciary net position - ending (b)	673,151	549,455	557,541	540,009	512,749
Net pension liability - ending (a-b)	\$ 73,351	\$ 138,014	\$ 121,048	\$ 112,342	\$ 133,526
Plan fiduciary net position as a percentage of the total pension liability (b/a)	90.2 %	79.9 %	82.2 %	82.8 %	79.3 %
Covered payroll (c)	\$ 74,594	\$ 74,769	\$ 68,330	\$ 68,245	\$ 66,826
Net pension liability as a percentage of covered payroll ((a-b)/c)	98.3 %	184.6 %	177.2 %	164.6 %	199.8 %

See notes on page 218 in this section.

	2017	2016	2015
\$	21,978	\$ 23,254	\$ 24,024
	42,820	41,759	40,013
	(15,552)	—	—
	(18,681)	(9,107)	—
	—	—	—
	(41,341)	(40,205)	(37,984)
	—	—	—
	(10,776)	15,701	26,053
	632,381	616,680	590,627
\$	621,605	\$ 632,381	\$ 616,680

\$	41,502	\$ 31,503	\$ 27,727
	3,236	3,015	3,051
	8,112	20,051	60,833
	(41,341)	(40,205)	(37,984)
	—	—	—
	(363)	(283)	(268)
	(15)	(17)	—
	11,131	14,064	53,359
	456,258	442,194	388,835
	467,389	456,258	442,194
\$	154,216	\$ 176,123	\$ 174,486

75.2 % 72.1 % 71.7 %

\$	66,621	\$ 61,092	\$ 61,020
	231.5 %	288.3 %	285.9 %

Schedule of Employer Contributions – Pension Plans

(Dollars in Thousands)

Year Ended June 30	Actuarially Determined Contribution	Contributions in Relation to the Actuarially Determined Contribution	Contributions Deficiency (Excess)	Covered Payroll	Contributions as a Percentage of Covered Payroll
VIRGINIA RETIREMENT SYSTEM (VRS) - STATE					
2022	\$ 674,124	\$ 674,124	\$ —	\$ 4,661,991	14.46%
2021	636,236	636,236	—	4,399,969	14.46%
2020	600,306	600,306	—	4,440,135	13.52%
2019	567,450	567,450	—	4,197,484	13.52%
2018	560,154	560,154	—	4,152,368	13.49%
2017	542,418	542,418	—	4,020,893	13.49%
2016	628,486	557,160	71,326	3,977,759	14.01%
2015	612,824	478,235	134,589	3,878,632	12.33%
2014	504,726	338,286	166,440	3,861,712	8.76%
2013	485,577	325,452	160,125	3,715,205	8.76%
VIRGINIA RETIREMENT SYSTEM (VRS) - TEACHER					
2022	\$ 1,548,861	\$ 1,548,861	\$ —	\$ 9,319,260	16.62%
2021	1,469,854	1,469,854	—	8,843,887	16.62%
2020	1,374,613	1,374,613	—	8,766,667	15.68%
2019	1,315,160	1,315,160	—	8,387,503	15.68%
2018	1,319,796	1,319,796	—	8,086,986	16.32%
2017	1,287,939	1,156,935	131,004	7,891,783	14.66%
2016	1,344,981	1,072,020	272,961	7,624,612	14.06%
2015	1,353,158	1,078,065	275,093	7,434,932	14.50%
2014	1,226,394	852,699	373,695	7,313,025	11.66%
2013	1,203,856	837,028	366,828	7,178,629	11.66%
VIRGINIA RETIREMENT SYSTEM (VRS) - POLITICAL SUBDIVISIONS					
2022	\$ 643,775	\$ 643,775	\$ —	\$ 5,699,596	11.30%
2021	610,434	610,473	(39)	5,403,267	11.30%
2020	544,676	547,382	(2,706)	5,368,250	10.20%
2019	515,904	518,513	(2,609)	5,118,622	10.13%
2018	504,955	505,603	(648)	4,932,344	10.25%
2017	487,067	487,702	(635)	4,765,842	10.23%
2016	554,335	549,408	4,927	4,628,806	11.87%
2015	540,859	535,919	4,940	4,513,335	11.87%
2014	551,822	539,131	12,691	4,434,764	12.16%
2013	537,657	525,385	12,272	4,321,565	12.16%

See notes on page 218 in this section.

Year Ended June 30	Actuarially Determined Contribution	Contributions in Relation to the Actuarially Determined Contribution	Contributions Deficiency (Excess)	Covered Payroll	Contributions as a Percentage of Covered Payroll
STATE POLICE OFFICERS' RETIREMENT SYSTEM (SPORS)					
2022	\$ 36,505	\$ 36,505	\$ —	\$ 138,644	26.33%
2021	33,769	33,769	—	128,252	26.33%
2020	32,533	32,533	—	130,759	24.88%
2019	31,469	31,469	—	126,483	24.88%
2018	35,391	35,391	—	124,003	28.54%
2017	31,792	31,792	—	111,395	28.54%
2016	35,211	31,561	3,650	114,395	27.59%
2015	33,876	28,417	5,459	110,059	25.82%
2014	36,538	27,711	8,827	112,010	24.74%
2013	34,535	26,193	8,342	105,872	24.74%
VIRGINIA LAW OFFICERS' RETIREMENT SYSTEM (VaLORS)					
2022	\$ 74,190	\$ 74,190	\$ —	\$ 338,768	21.90%
2021	76,354	76,354	—	348,650	21.90%
2020	79,956	79,956	—	369,996	21.61%
2019	75,635	75,635	—	349,998	21.61%
2018	72,734	72,734	—	345,531	21.05%
2017	72,511	72,511	—	344,468	21.05%
2016	72,763	65,101	7,662	345,504	18.84%
2015	71,301	59,824	11,477	338,562	17.67%
2014	68,806	52,169	16,637	352,492	14.80%
2013	66,463	50,392	16,071	340,489	14.80%
JUDICIAL RETIREMENT SYSTEM (JRS)					
2022	\$ 23,735	\$ 23,735	\$ —	\$ 79,540	29.84%
2021	22,259	22,259	—	74,594	29.84%
2020	25,713	25,713	—	74,769	34.39%
2019	23,498	23,498	—	68,330	34.39%
2018	28,642	28,642	—	68,245	41.97%
2017	28,047	28,047	—	66,826	41.97%
2016	37,008	33,291	3,717	66,621	49.97%
2015	35,336	31,560	3,776	61,092	51.66%
2014	33,018	27,728	5,290	61,020	45.44%
2013	32,185	27,028	5,157	59,481	45.44%

Notes for Pension Schedules

	VRS			SPORS	VaLORS	JRS
	State	Teacher	Political Subdivisions			
Valuation Date	June 30, 2020	June 30, 2020	June 30, 2020	June 30, 2020	June 30, 2020	June 30, 2020
Actuarial Cost Method	Entry Age Normal	Entry Age Normal	Entry Age Normal	Entry Age Normal	Entry Age Normal	Entry Age Normal
Actuarial Assumptions:						
Investment Rate of Return*	6.75%	6.75%	6.75%	6.75%	6.75%	6.75%
Projected Salary Increases:*						
State Employees/Teachers	3.50% to 5.35%	3.50% to 5.95%	N/A	3.50% to 4.75%	3.50% to 4.75%	4.50%
Political Subdivision - Non-Hazardous Duty Employees	N/A	N/A	3.50% to 5.35%	N/A	N/A	N/A
Political Subdivision - Hazardous Duty Employees	N/A	N/A	3.50% to 4.75%	N/A	N/A	N/A
Post-Retirement Benefits Increases**						
Plan 1	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%
Plan 2	2.25%	2.25%	2.25%	2.25%	2.25%	2.25%
Hybrid	2.25%	2.25%	2.25%	2.25%	2.25%	2.25%

* Includes inflation at 2.50%.

** Compounded annually.

As discussed in Note 16, visit the Virginia Retirement System's website at www.varetire.org to obtain a copy of the separately issued financial statements.

Schedule of Changes in Employers' Net Other Postemployment Benefit Liability (Asset) (1) (2)

Fiscal Year Ended June 30, 2022

(Dollars in Thousands)

Change in the Net OPEB Liability	RHIC				
	2022	2021	2020	2019	2018
Total OPEB liability:					
Service cost	\$ 20,432	\$ 20,143	\$ 19,446	\$ 19,645	\$ 19,231
Interest	68,014	67,289	68,023	66,883	66,641
Benefit changes	—	—	—	—	—
Difference between actual and expected experience	(20,219)	(5,703)	(13,402)	745	—
Assumption changes	12,326	—	22,700	—	(12,229)
Benefit payments	(71,536)	(70,440)	(72,857)	(69,117)	(71,256)
Refunds of contributions	—	—	—	—	—
Net change in total OPEB liability	9,017	11,289	23,910	18,156	2,387
Total OPEB liability - beginning	1,043,383	1,032,094	1,008,184	990,028	987,641
Total OPEB liability - ending (a)	\$ 1,052,400	\$ 1,043,383	\$ 1,032,094	\$ 1,008,184	\$ 990,028
Plan fiduciary net position:					
Contributions - employer	\$ 119,847	\$ 84,849	\$ 79,926	\$ 79,416	\$ 75,058
Contributions - member	—	—	—	—	—
Net investment income	34,790	2,185	6,189	5,706	7,706
Benefit payments	(71,536)	(70,440)	(72,857)	(69,117)	(71,256)
Third-party administrator charges	—	—	—	—	—
Administrative expense	(589)	(230)	(135)	(149)	(131)
Other	(30)	(9)	(8)	536	(546)
Net change in plan fiduciary net position	82,482	16,355	13,115	16,392	10,831
Plan fiduciary net position - beginning	125,378	109,023	95,908	79,516	68,685
Plan fiduciary net position - ending (b)	207,860	125,378	109,023	95,908	79,516
Net OPEB liability (asset) - ending (a-b)	\$ 844,540	\$ 918,005	\$ 923,071	\$ 912,276	\$ 910,512
Plan fiduciary net position as a percentage of the total OPEB liability (b/a)	19.8 %	12.0 %	10.6 %	9.5 %	8.0 %
Covered payroll (c)	\$ 7,239,781	\$ 7,237,090	\$ 6,844,807	\$ 6,762,917	\$ 6,489,069
Net OPEB liability (asset) as a percentage of covered payroll ((a-b)/c)	11.7 %	12.7 %	13.5 %	13.5 %	14.0 %

(1) The Commonwealth implemented GASB Statement No. 75, *Accounting and Financial Reporting for Other Postemployment Benefits*, as amended by GASB Statement No. 85, *Omnibus 2017*, effective for fiscal year 2018, therefore, ten years of data is unavailable.

(2) The Commonwealth's fiscal year 2022 net OPEB liability measurement date is June 30, 2021, as reported in Note 18.

See notes on page 228 in this section.

Continued on next page

Schedule of Changes in Employers' Net Other Postemployment Benefit Liability (Asset) (1) (2)

(continued from previous page)

Change in the Net OPEB Liability	VSDP				
	2022	2021	2020	2019	2018
Total OPEB liability:					
Service cost	\$ 32,679	\$ 32,988	\$ 29,232	\$ 27,527	\$ 27,884
Interest	17,222	18,774	15,788	15,503	15,810
Benefit changes	—	—	—	—	—
Difference between actual and expected experience	(22,057)	(46,473)	29,489	(11,237)	—
Assumption changes	(1,387)	—	4,180	—	(17,511)
Benefit payments	(28,790)	(27,804)	(24,376)	(31,073)	(30,056)
Refunds of contributions	—	—	—	—	—
Net change in total OPEB liability	(2,333)	(22,515)	54,313	720	(3,873)
Total OPEB liability - beginning	269,531	292,046	237,733	237,013	240,886
Total OPEB liability - ending (a)	\$ 267,198	\$ 269,531	\$ 292,046	\$ 237,733	\$ 237,013
Plan fiduciary net position:					
Contributions - employer	\$ 26,542	\$ 26,994	\$ 25,263	\$ 27,260	\$ 24,130
Contributions - member	—	—	—	—	—
Net investment income	131,373	9,445	30,494	32,073	48,206
Benefit payments	(28,790)	(27,804)	(24,376)	(31,073)	(30,056)
Third-party administrator charges	(7,137)	(6,611)	(6,431)	(6,637)	(7,001)
Administrative expense	(600)	(631)	(787)	(961)	(717)
Other	311	586	1,117	(35)	(54)
Net change in plan fiduciary net position	121,699	1,979	25,280	20,627	34,508
Plan fiduciary net position - beginning	490,220	488,241	462,961	442,334	407,826
Plan fiduciary net position - ending (b)	611,919	490,220	488,241	462,961	442,334
Net OPEB liability (asset) - ending (a-b)	\$ (344,721)	\$ (220,689)	\$ (196,195)	\$ (225,228)	\$ (205,321)
Plan fiduciary net position as a percentage of the total OPEB liability (b/a)	229.0 %	181.9 %	167.2 %	194.7 %	186.6 %
Covered payroll (c)	\$ 4,355,154	\$ 4,365,296	\$ 4,077,627	\$ 3,972,637	\$ 3,799,590
Net OPEB liability (asset) as a percentage of covered payroll ((a-b)/c)	(7.9%)	(5.1%)	(4.8%)	(5.7%)	(5.4%)



Schedule of the Commonwealth's Proportionate Share of the Net Other Postemployment Benefit Liability (1) (2)

Fiscal Year Ended June 30, 2022

(Dollars in Thousands)

	GLI				
	2022	2021	2020	2019	2018
Commonwealth's proportion of the net OPEB liability	30.0 %	30.4 %	30.1 %	30.5 %	30.3 %
Commonwealth's proportionate share of the net OPEB liability	\$349,518	\$507,458	\$490,250	\$463,787	\$456,387
Commonwealth's covered payroll	\$6,231,703	\$6,290,591	\$5,936,396	\$5,836,331	\$5,621,670
Commonwealth's covered employee payroll	N/A	N/A	N/A	N/A	N/A
Commonwealth's proportionate share of the net OPEB liability as a percentage of its covered payroll / covered employee payroll	5.6 %	8.1 %	8.3 %	7.9 %	8.1 %
Plan fiduciary net position as a percentage of the total OPEB liability	67.5 %	52.6 %	52.0 %	51.2 %	48.9 %

(1) The Commonwealth implemented GASB Statement No. 75, *Accounting and Financial Reporting for Other Postemployment Benefits*, and GASB Statement No. 85, *Omnibus 2017*, effective for fiscal year 2018, therefore, ten years of data is unavailable.

(2) The Commonwealth's fiscal year 2022 net OPEB liability measurement date is June 30, 2021, as reported in Note 18.

(3) Since the Commonwealth is considered the governmental nonemployer contributing entity for the state-funded Retiree Health Insurance Credit for constitutional officers, social services employees and registrars (RHIC: Non-State), the covered payroll information is not applicable.

See notes on page 228 in this section.

LODA

2022	2021	2020	2019	2018
59.4 %	60.1 %	59.9 %	59.9 %	60.9 %
\$262,156	\$251,588	\$214,981	\$187,869	\$160,064
N/A	N/A	N/A	N/A	N/A
\$468,772	\$484,167	\$460,426	\$440,535	\$431,978
55.9 %	52.0 %	46.7 %	42.6 %	37.1 %
1.7 %	1.0 %	0.8 %	0.6 %	1.3 %

Continued on next page

Schedule of the Commonwealth's Proportionate Share of the Net Other Postemployment Benefit Liability (1) (2)

(continued from previous page)

	RHIC: Non-State (3)				
	Constitutional Officers				
	2022	2021	2020	2019	2018
Commonwealth's proportion of the net OPEB liability	100.0 %	100.0 %	100.0 %	100.0 %	100.0 %
Commonwealth's proportionate share of the net OPEB liability	\$26,910	\$27,293	\$26,877	\$26,351	\$25,766
Commonwealth's covered payroll	N/A	N/A	N/A	N/A	N/A
Commonwealth's covered employee payroll	N/A	N/A	N/A	N/A	N/A
Commonwealth's proportionate share of the net OPEB liability as a percentage of its covered payroll / covered employee payroll	N/A	N/A	N/A	N/A	N/A
Plan fiduciary net position as a percentage of the total OPEB liability	19.9 %	15.8 %	14.3 %	11.1 %	8.6 %

See notes on page 228 in this section.

Social Service Employees					Registrars				
2022	2021	2020	2019	2018	2022	2021	2020	2019	2018
100.0 %	100.0 %	100.0 %	100.0 %	100.0 %	100.0 %	100.0 %	100.0 %	100.0 %	100.0 %
\$12,631	\$12,880	\$12,457	\$12,903	\$12,725	\$435	\$469	\$503	\$499	\$486
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
15.7 %	13.1 %	15.4 %	9.3 %	7.9 %	27.9 %	21.2 %	14.8 %	10.4 %	6.5 %

Schedule of Employer Contributions – Other Postemployment Benefit Plans

(Dollars in Thousands)

Year Ended June 30	Actuarially Determined Contribution	Contributions in Relation to the Actuarially Determined Contribution	Contributions Deficiency (Excess)	Covered Payroll	Covered Employee Payroll	Contributions as a Percentage of Covered Payroll / Covered Employee Payroll
RETIREE HEALTH INSURANCE CREDIT						
2022	\$ 85,260	\$ 85,260	\$ —	\$ 7,612,495	N/A	1.1 %
2021	81,086	81,086	—	7,239,781	N/A	1.1 %
2020	84,674	84,674	—	7,237,090	N/A	1.2 %
2019	80,084	80,084	—	6,844,807	N/A	1.2 %
2018	79,802	79,802	—	6,762,917	N/A	1.2 %
2017	76,571	76,571	—	6,489,069	N/A	1.2 %
2016	73,961	66,375	7,586	6,321,454	N/A	1.0 %
2015	71,522	64,186	7,336	6,112,951	N/A	1.1 %
2014	63,385	60,367	3,018	6,036,629	N/A	1.0 %
2013	59,618	56,779	2,839	5,677,848	N/A	1.0 %
VIRGINIA SICKNESS AND DISABILITY PROGRAM (Also referred to Disability Insurance Trust Fund)						
2022	\$ 28,290	\$ 28,290	\$ —	\$ 4,637,755	N/A	0.6 %
2021	26,566	26,566	—	4,355,154	N/A	0.6 %
2020	27,065	27,065	—	4,365,296	N/A	0.6 %
2019	25,281	25,281	—	4,077,627	N/A	0.6 %
2018	26,219	26,219	—	3,972,637	N/A	0.7 %
2017	25,077	25,077	—	3,799,590	N/A	0.7 %
2016	27,187	24,580	2,607	3,724,248	N/A	0.7 %
2015	26,244	23,728	2,516	3,595,080	N/A	0.7 %
2014	20,610	16,701	3,909	3,553,444	N/A	0.5 %
2013	21,032	17,043	3,989	3,626,208	N/A	0.5 %
GROUP LIFE INSURANCE (1)						
2022	\$ 35,519	\$ 35,519	\$ —	\$ 6,577,667	N/A	0.5 %
2021	33,651	33,651	—	6,231,703	N/A	0.5 %
2020	32,711	32,711	—	6,290,591	N/A	0.5 %
2019	30,869	30,869	—	5,936,396	N/A	0.5 %
2018	30,349	30,349	—	5,836,331	N/A	0.5 %
2017	29,089	29,089	—	5,621,670	N/A	0.5 %
2016	29,358	26,588	2,770	5,539,210	N/A	0.5 %
2015	28,487	25,799	2,688	5,374,853	N/A	0.5 %
2014	28,248	25,583	2,665	5,329,884	N/A	0.5 %
2013	27,002	24,455	2,547	5,094,773	N/A	0.5 %

- (1) The Group Life Insurance and the Line of Duty Trust Fund (Line of Duty Act) are cost-sharing plans and amounts in this schedule are only for the Commonwealth and does not include other employers.
- (2) Covered employee payroll is provided since the contributions are not based on a measure of pay. Ten years of data is not available for this plan.
- (3) Although the Retiree Health Insurance Credit program for constitutional officers, social services employees, and registrars existed prior to fiscal year 2016, the program was funded in a different manner and the results do not provide comparability with the current presentations. Since the Commonwealth is considered the governmental nonemployer contributing entity, the column regarding covered payroll is not applicable.

See notes on page 228 in this section.

Year Ended June 30	Actuarially Determined Contribution	Contributions in Relation to the Actuarially Determined Contribution	Contributions Deficiency (Excess)	Covered Payroll	Covered Employee Payroll	Contributions as a Percentage of Covered Payroll / Covered Employee Payroll
LINE OF DUTY TRUST FUND (1) (2)						
2022	\$ 14,734	\$ 8,197	\$ 6,537	N/A	\$ 501,458	1.6 %
2021	14,820	8,184	6,636	N/A	468,772	1.7 %
2020	14,706	8,164	6,542	N/A	484,167	1.7 %
2019	14,486	8,042	6,444	N/A	460,426	1.7 %
2018	13,870	6,364	7,506	N/A	440,535	1.4 %
2017	14,275	6,550	7,725	N/A	431,978	1.5 %
RETIREE HEALTH INSURANCE CREDIT: NON-STATE (3)						
For Constitutional Officers						
2022	\$ 2,786	\$ 2,786	\$ —	N/A	N/A	N/A
2021	2,642	2,642	—	N/A	N/A	N/A
2020	2,734	2,734	—	N/A	N/A	N/A
2019	2,593	2,593	—	N/A	N/A	N/A
2018	2,362	2,362	—	N/A	N/A	N/A
2017	2,280	2,280	—	N/A	N/A	N/A
2016	1,950	1,830	120	N/A	N/A	N/A
RETIREE HEALTH INSURANCE CREDIT: NON-STATE (3)						
(For Social Services Employees)						
2022	\$ 1,196	\$ 1,196	\$ —	N/A	N/A	N/A
2021	1,143	1,143	—	N/A	N/A	N/A
2020	1,283	1,283	—	N/A	N/A	N/A
2019	1,202	1,202	—	N/A	N/A	N/A
2018	1,106	1,106	—	N/A	N/A	N/A
2017	1,055	1,055	—	N/A	N/A	N/A
2016	961	824	137	N/A	N/A	N/A
RETIREE HEALTH INSURANCE CREDIT: NON-STATE (3)						
(For Registrars)						
2022	\$ 66	\$ 66	\$ —	N/A	N/A	N/A
2021	52	52	—	N/A	N/A	N/A
2020	50	50	—	N/A	N/A	N/A
2019	46	46	—	N/A	N/A	N/A
2018	47	47	—	N/A	N/A	N/A
2017	45	45	—	N/A	N/A	N/A
2016	36	30	6	N/A	N/A	N/A

Notes for Other Postemployment Benefit Schedules

	Group Life Insurance Fund	Retiree Health Insurance Credit Fund	Disability Insurance Trust Fund	Line of Duty Act Trust Fund
Valuation Date	June 30, 2020	June 30, 2020	June 30, 2020	June 30, 2020
Actuarial Cost Method	Entry Age Normal	Entry Age Normal	Entry Age Normal	Entry Age Normal
Amortization Method (1)	Level Percent of Pay, Closed	Level Percent of Pay, Closed	Level Percent of Pay, Closed	Level Percent of Pay, Open
Payroll Growth Rate:				
State Employees	3.0%	3.0%	3.0%	3.0%
Teachers	3.0%	3.0%	N/A	N/A
Political Subdivision Employees	3.0%	3.0%	N/A	3.0%
State Police / Virginia Law Officers	3.0%	3.0%	3.0%	3.0%
Judges	3.0%	3.0%	N/A	N/A
Asset Valuation Method				
State Employees and Teachers	5-Year, Smoothed Market	5-Year, Smoothed Market	5-Year, Smoothed Market	Market Value
Political Subdivision Employees and State-Funded Local Employees	5-Year, Smoothed Market	Market Value	N/A	Market Value
Actuarial Assumptions:				
Investment Rate of Return (2)	6.8%	6.8%	6.8%	4.8%
Projected Salary Increases (3)				
State Employees	3.5% to 5.4%	3.5% to 5.4%	3.5% to 5.4%	N/A
Teachers	3.5% to 6.0%	3.5% to 6.0%	N/A	N/A
Political Subdivision Employees (Non-Hazardous Duty Employees)	3.5% to 5.4%	3.5% to 5.4%	N/A	N/A
Political Subdivision Employees (Hazardous Duty Employees)	3.5% to 4.8%	3.5% to 4.8%	N/A	N/A
State Police / Virginia Law Officers	3.5% to 4.8%	3.5% to 4.8%	3.5% to 4.8%	N/A
Judges	4.5%	4.5%	N/A	N/A
Medical Trend Assumptions (Under Age 65)	N/A	N/A	N/A	7.0% to 4.8%
Medical Trend Assumptions (Ages 65 and Older)	N/A	N/A	N/A	5.4% to 4.8%
Year of Ultimate Trend Rate (Under Age 65)	N/A	N/A	N/A	2029
Year of Ultimate Trend Rate (Ages 65 and Older)	N/A	N/A	N/A	2024

(1) The amortization period of the Unfunded Actuarial Accrued Liability (UAAL) was a closed 30-year period for the June 30, 2013 balance and closed 20-year period for each subsequent year. The Line of Duty Act Program amortization period is 30 years for the UAAL.

(2) Includes inflation rate of 2.5 percent.

(3) Projected salary increases for the Retiree Health Insurance Credit Fund are used in the application of the actuarial cost method. Projected salary increase factors are not applicable to the Line of Duty Act Program since neither the benefit nor the cost is salary-based.

As discussed in Note 18, visit the Virginia Retirement System's website at www.varetire.org to obtain a copy of the separately issued financial statements.

Schedule of Changes in Employers' Total Other Postemployment Benefit Liability (1) (2)

Fiscal Year Ended June 30, 2022

(Dollars in Thousands)

Change in the Total OPEB Liability	PMRH				
	2022	2021	2020	2019	2018
Total OPEB liability:					
Service cost	\$ 44,141	\$ 47,963	\$ 72,737	\$ 94,665	\$ 116,627
Interest cost	13,139	25,009	40,941	49,279	47,346
Changes of benefit terms	—	—	—	—	—
Difference between expected and actual experience	(20,887)	(24,121)	(216,886)	(191,000)	(61,865)
Changes of assumptions	(119,285)	(130,004)	(182,206)	(211,762)	(326,082)
Benefit payments	(37,040)	(28,903)	(41,346)	(34,446)	(43,244)
Net change in total OPEB liability	(119,932)	(110,056)	(326,760)	(293,264)	(267,218)
Total OPEB liability - beginning	568,824	678,880	1,005,640	1,298,904	1,566,122
Total OPEB liability - ending (a)	\$ 448,892	\$ 568,824	\$ 678,880	\$ 1,005,640	\$ 1,298,904
Covered employee payroll (b)	\$ 5,904,674	\$ 5,842,440	\$ 5,616,229	\$ 5,485,993	\$ 5,229,024
Total OPEB liability as a percentage of covered employee payroll (a/b)	7.6 %	9.7 %	12.1 %	18.3 %	24.8 %

- (1) The Commonwealth implemented GASB Statement No. 75, *Accounting and Financial Reporting for Other Postemployment Benefits*, as amended by GASB Statement No. 85, *Omnibus 2017*, effective for fiscal year 2018, therefore, ten years of data is unavailable.
- (2) The Commonwealth's fiscal year 2022 total OPEB liability measurement date is June 30, 2021, as reported in Note 18. There are no assets accumulated in a trust to pay related benefits.

Changes of benefit terms – There have been no changes to the benefit provisions since the prior actuarial valuation.

Changes of assumptions – The following actuarial assumptions were updated since the June 30, 2020 valuation based on recent experience:

- Retiree Participation - reduced the rate from 45.0 percent to 40.0 percent.

Spousal coverage and retiree participation were based on a blend of recent experience and the prior year assumptions. The mortality table has been updated from adjusted RP-2014 mortality tables using Scale BB to adjusted Pub-2010 Headcount-Weighted mortality tables projected generationally with modified MP-2021 Improvement Scales. No excise tax has been reflected due to the SECURE Act. Among the provisions was a repeal of three taxes and fees that were originally intended to help fund the Affordable Care Act (ACA): i) the excise tax on high-cost health plans (Cadillac tax); ii) the annual fee on health insurance providers; and iii) the medical device excise tax. The trend rates were updated based on economic conditions as of June 30, 2021. Additionally, the discount rate was decreased from 2.21 percent to 2.16 percent based on the Bond Buyers GO 20 Municipal Bond Index as of June 30, 2022.

Claims Development Information – Risk Management

(Dollars in Thousands)

Comparison of Earned Revenues and Investment Income to Related Costs of Loss and Other Expenses

Fiscal and Policy Year Ended	2013	2014	2015	2016
1. Required contribution and investment revenue:				
Earned	\$ 5,043	\$ 8,500	\$ 8,487	\$ 8,733
Ceded (a)	—	—	—	—
Net earned	5,043	8,500	8,487	8,733
2. Unallocated expenses				
	1,273	1,435	1,331	1,357
3. Estimated incurred claims and expenses, end of policy year:				
Incurred	3,394	4,025	4,696	6,893
Ceded (a)	—	—	—	—
Net incurred	3,394	4,025	4,696	6,893
4. Net paid (cumulative) as of:				
End of policy year	335	367	922	1,206
One year later	3,401	3,210	3,270	4,680
Two years later	8,118	4,291	5,844	6,557
Three years later	8,278	5,002	8,280	8,841
Four years later	7,702	5,386	9,122	9,230
Five years later	7,747	6,509	9,270	9,274
Six years later	7,946	6,674	9,278	9,937
Seven years later	7,976	6,715	9,278	
Eight years later	8,006	6,894		
Nine years later	8,006			
5. Reestimated ceded claims and expenses (a)				
	—	—	—	—
6. Reestimated incurred claims and expenses:				
End of policy year	3,394	4,025	4,696	6,893
One year later	9,397	6,454	6,775	10,307
Two years later	9,939	6,979	8,961	9,908
Three years later	10,333	8,045	8,836	9,764
Four years later	8,213	6,771	9,312	9,979
Five years later	7,980	7,289	9,395	9,976
Six years later	8,057	7,377	9,341	10,280
Seven years later	8,095	7,111	9,296	
Eight years later	8,135	7,286		
Nine years later	8,061			
7. Increase (decrease) in estimated net incurred claims and expense from end of policy year				
	4,667	3,261	4,600	3,387

The Commonwealth, through the Department of the Treasury, Division of Risk Management, provides errors and omissions liability insurance and law enforcement professional liability insurance for local governmental units, which went into effect in fiscal year 1987. Some prior year numbers have been revised to reflect the incorporation of newly available and revised source data.

See Notes on page 236 in this section.

	2017	2018	2019	2020	2021	2022
\$	13,213	\$ 13,232	\$ 13,236	\$ 14,327	\$ 14,968	\$ 14,747
	—	—	—	—	—	—
	13,213	13,232	13,236	14,327	14,968	14,747
	1,460	1,603	1,530	1,670	1,627	1,601
	4,235	10,155	9,160	7,462	7,608	11,111
	—	—	—	—	—	—
	4,235	10,155	9,160	7,462	7,608	11,111
	836	1,979	1,075	1,267	1,251	1,949
	3,195	5,573	4,180	5,255	4,158	
	4,203	8,027	6,140	6,703		
	4,434	8,854	10,019			
	4,590	9,488				
	4,734					
	—	—	—	—	—	—
	4,235	10,155	9,160	7,462	7,608	11,111
	4,820	11,598	10,725	9,348	8,687	
	5,031	12,880	10,684	10,721		
	5,100	13,220	12,377			
	4,963	11,118				
	5,098					
	863	963	3,217	3,259	1,079	—

Claims Development Information - Health Care

(Dollars in Thousands)

Comparison of Earned Revenues and Investment Income to Related Costs of Loss and Other Expenses

Fiscal and Policy Year Ended	2013	2014	2015	2016
1. Required contribution and investment revenue:				
Earned	\$ 284,526	\$ 320,678	\$ 343,470	\$ 392,778
Ceded (a)	—	—	—	—
Net earned	284,526	320,678	343,470	392,778
2. Unallocated expenses				
	18,781	17,738	22,748	25,422
3. Estimated incurred claims and expenses, end of policy year:				
Incurred	277,455	290,557	327,154	386,227
Ceded (a)	—	—	—	—
Net incurred	277,455	290,557	327,154	386,227
4. Net paid (cumulative) as of:				
End of policy year	267,256	291,711	329,099	379,376
One year later	N/A	N/A	N/A	N/A
Two years later	N/A	N/A	N/A	N/A
Three years later	N/A	N/A	N/A	N/A
Four years later	N/A	N/A	N/A	N/A
Five years later	N/A	N/A	N/A	N/A
Six years later	N/A	N/A	N/A	N/A
Seven years later	N/A	N/A	N/A	
Eight years later	N/A	N/A		
Nine years later	N/A			
5. Reestimated ceded claims and expenses (a)				
	—	—	—	—
6. Reestimated incurred claims and expenses:				
End of policy year	277,455	290,557	327,154	386,227
One year later	277,455	290,557	327,154	386,227
Two years later	N/A	N/A	N/A	N/A
Three years later	N/A	N/A	N/A	N/A
Four years later	N/A	N/A	N/A	N/A
Five years later	N/A	N/A	N/A	N/A
Six years later	N/A	N/A	N/A	N/A
Seven years later	N/A	N/A	N/A	
Eight years later	N/A	N/A		
Nine years later	N/A			
7. Increase (decrease) in estimated net incurred claims and expense from end of policy year				
	—	—	—	—

The Commonwealth, through its Department of Human Resource Management, provides health care insurance for local governmental units, which went into effect in fiscal year 1987. Some prior year numbers have been revised to reflect the incorporation of newly available and revised source data.

See Notes on page 236 in this section.

	2017	2018	2019	2020	2021	2022
\$	430,247	\$ 464,631	\$ 481,856	\$ 494,233	\$ 484,726	\$ 464,496
	—	—	—	—	—	—
	430,247	464,631	481,856	494,233	484,726	464,496
	26,650	27,590	26,334	27,540	27,096	24,833
	419,841	433,437	446,606	395,950	445,600	457,136
	—	—	—	—	—	—
	419,841	433,437	446,606	395,950	445,600	457,136
	417,869	421,802	443,931	398,497	451,451	447,914
	N/A	N/A	N/A	N/A	N/A	
	N/A	N/A	N/A	N/A		
	N/A	N/A	N/A			
	N/A	N/A				
	N/A					
	—	—	—	—	—	—
	419,841	433,437	446,606	395,950	445,600	457,136
	419,841	433,437	446,606	395,950	445,600	
	N/A	N/A	N/A	N/A		
	N/A	N/A	N/A			
	N/A	N/A				
	N/A					
	—	—	—	—	—	—

Claims Development Information – Line of Duty

(Dollars in Thousands)

Comparison of Earned Revenues and Investment Income to Related Costs of Loss and Other Expenses

Fiscal and Policy Year Ended	2013	2014	2015	2016
1. Required contribution and investment revenue:				
Earned	N/A	N/A	N/A	N/A
Ceded (a)	N/A	N/A	N/A	N/A
Net earned	N/A	N/A	N/A	N/A
2. Unallocated expenses	N/A	N/A	N/A	N/A
3. Estimated incurred claims and expenses, end of policy year:				
Incurred	N/A	N/A	N/A	N/A
Ceded (a)	N/A	N/A	N/A	N/A
Net incurred	N/A	N/A	N/A	N/A
4. Net paid (cumulative) as of:				
End of policy year	N/A	N/A	N/A	N/A
One year later	N/A	N/A	N/A	N/A
Two years later	N/A	N/A	N/A	N/A
Three years later	N/A	N/A	N/A	N/A
Four years later	N/A	N/A	N/A	N/A
Five years later	N/A	N/A	N/A	N/A
Six years later	N/A	N/A	N/A	N/A
Seven years later	N/A	N/A	N/A	
Eight years later	N/A	N/A		
Nine years later	N/A			
5. Reestimated ceded claims and expenses (a)	—	—	—	—
6. Reestimated incurred claims and expenses:				
End of policy year	N/A	N/A	N/A	N/A
One year later	N/A	N/A	N/A	N/A
Two years later	N/A	N/A	N/A	N/A
Three years later	N/A	N/A	N/A	N/A
Four years later	N/A	N/A	N/A	N/A
Five years later	N/A	N/A	N/A	N/A
Six years later	N/A	N/A	N/A	N/A
Seven years later	N/A	N/A	N/A	
Eight years later	N/A	N/A		
Nine years later	N/A			
7. Increase (decrease) in estimated net incurred claims and expense from end of policy year	—	—	—	—

The Commonwealth, through its Department of Human Resource Management, provides disability, death, and health benefits to eligible employees and their eligible family members. The Commonwealth began administering the insurance program for localities that do not participate in the State plan effective with fiscal year 2018.

See Notes on page 236 in this section.

2017	2018	2019	2020	2021	2022
N/A	19,910	\$ 17,790	\$ 17,245	\$ 18,941	\$ 18,830
N/A	—	—	—	—	—
N/A	19,910	17,790	17,245	18,941	18,830
N/A	832	594	679	718	759
N/A	17,210	16,786	15,715	18,699	16,496
N/A	—	—	—	—	—
N/A	17,210	16,786	15,715	18,699	16,496
N/A	14,779	17,302	15,737	18,376	16,672
N/A	N/A	N/A	N/A	N/A	
N/A	N/A	N/A	N/A		
N/A	N/A	N/A			
N/A	N/A				
N/A					
—	—	—	—	—	—
N/A	17,210	16,786	15,715	18,699	16,496
N/A	17,210	16,786	15,715	18,699	
N/A	N/A	N/A	N/A		
N/A	N/A	N/A			
N/A	N/A				
N/A					
—	—	—	—	—	—

Notes for Claims Development Information Tables

The tables on the previous pages illustrate how the Risk Management, Health Care, and Line of Duty Claims Funds earned revenues (net of reinsurance) and investment income compare to related costs of loss (net of loss assumed by reinsurers) and other expenses assumed by the funds as of the end of each of the past several years. The rows of the tables are defined as follows:

1. This line shows the total of each fiscal year's gross earned contribution revenue and investment revenue, contribution revenue ceded to reinsurers, and net earned contribution revenue and reported investment revenue.
2. This line shows each fiscal year's other operating costs of the funds, including overhead and claims expense not allocable to individual claims.
3. This line shows the funds' gross incurred claims and allocated claim adjustment expenses, claims assumed by reinsurers, and net incurred claims and adjustment expenses (both paid and accrued) as originally reported at the end of the first year in which the event that triggered coverage under the contract occurred (called policy year).
4. This section of rows shows the cumulative net amounts paid as of the end of successive years for each policy year.
5. This line shows the latest reestimated amount of claims assumed by reinsurers as of the end of the current year for each accident year.
6. This section of rows shows how each policy year's net incurred claims increased or decreased as of the end of successive years. (This annual reestimation results from new information received on known claims, reevaluation of existing information on known claims, as well as emergence of new claims not previously known.)
7. This line compares the latest reestimated net incurred claims amount to the amount originally established (line 3) and shows whether this latest estimate of net claims cost is greater or less than originally thought. As data for individual policy years mature, the correlation between original estimates and reestimated amounts is commonly used to evaluate the accuracy of net incurred claims currently recognized in less mature policy years.

The columns of the tables show data for successive policy years.

Notes:

- (a) During fiscal year 1997, the Commonwealth implemented GASB Statement No. 30, *Risk Financing Omnibus*. The Commonwealth has no reinsurers; therefore, the ceded amounts on lines 1, 3, and 5 are zero.