

Virginia Retirement System

Annual Actuarial Valuation of
Other Post Employment Benefits
June 30, 2023



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February 9, 2024

Board of Trustees
Virginia Retirement System
1200 E. Main Street
Richmond, VA 23219

**Re: Virginia Retirement System Actuarial OPEB Valuation as of June 30, 2023
Actuarial Disclosures – VRS OPEB Plans**

Dear Trustees:

The results of the June 30, 2023 Annual Actuarial Valuation of the Virginia Retirement System (VRS) Other Post Employment Benefits (OPEB) Plans are presented in this report. This report was prepared at the request of the Board and is intended for use by the VRS and those designated or approved by the Board. This report may be provided to parties other than the VRS only in its entirety and only with the permission of the Board. GRS is not responsible for unauthorized use of this report.

The purposes of the valuation are to measure the OPEB Plans' funding progress and to determine the employer contribution rates. This report should not be relied on for any purpose other than the purposes described herein. Determinations of financial results, associated with the benefits described in this report, for purposes other than those identified above may be significantly different. This report does not include actuarial information needed to satisfy reporting requirements under Governmental Accounting Standards Board Statements No. 74 or No. 75.

Results presented in this report are developed using the actuarial assumptions and methods disclosed in the appendix posted on VRS' [website](#). Future actuarial measurements may differ significantly from the current measurements presented in this report due to such factors as the following: plan experience differing from that anticipated by the economic or demographic assumptions; changes in economic or demographic assumptions; increases or decreases expected as part of the natural operation of the methodology used for these measurements (such as the end of an amortization period or additional cost or contribution requirements based on the plan's funded status); and changes in plan provisions or applicable law. This report does not include a robust assessment of the risks of future experience not meeting the actuarial assumptions. Additional assessment of risks was outside the scope of this assignment. We encourage a review and assessment of the investment and other significant risks that may have a material effect on the plan's financial condition.

This valuation assumed the continuing ability of the plan sponsor to make the contributions necessary to fund the OPEB Plans. A determination regarding whether or not the plan sponsor is actually able to do so is outside our scope of expertise and was not performed.

The findings in this report are based on data and other information through June 30, 2023. The valuation was based upon information furnished by the VRS, concerning OPEB benefits, financial transactions, plan provisions and active members, terminated members, retirees and beneficiaries. We checked for internal reasonability and year-to-year consistency, but did not audit the data. We are not responsible for the accuracy or completeness of the information provided by the VRS.

Valuation results are developed through the use of multiple models.

Valuation liabilities were prepared using ProVal's valuation model, a software product of Winklevoss Technologies. We are relying on the ProVal model. We performed tests of the ProVal model with this assignment and made a reasonable attempt to understand the developer's intended purpose of, general operation of, major sensitivities and dependencies within, and key strengths and limitations of the ProVal model. In our professional judgment, the ProVal valuation model has the capability to provide results that are consistent with the purposes of the valuation and has no material limitations or known weaknesses.

Financial results were prepared using our financing model which, in our professional judgment, has the capability to provide results that are consistent with the purposes of the valuation and has no material limitations or known weaknesses. We performed tests to ensure that the model reasonably represents that which is intended to be modeled.

This report was prepared using assumptions adopted by the Board. All actuarial assumptions used in this report are reasonable for the purposes of this valuation. All actuarial assumptions and methods used in the valuation follow the guidance in the applicable Actuarial Standards of Practice. Additional information about the actuarial assumptions is included in the appendix posted on VRS' website.

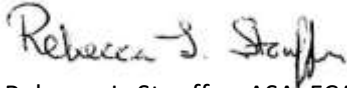
This report has been prepared by actuaries who have substantial experience valuing public retiree health programs. To the best of our knowledge, the information contained in this report is accurate and fairly presents the actuarial position of the VRS OPEB Plans as of the valuation date. All calculations have been made in conformity with generally accepted actuarial principles and practices, and with the Actuarial Standards of Practice issued by the Actuarial Standards Board.



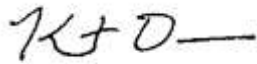
Board of Trustees
Virginia Retirement System
February 9, 2024

Rebecca L. Stouffer, James D. Anderson, Kurt Dosson, Michael D. Kosciuk, Shana M. Neeson, and Adam J. Reese are members of the American Academy of Actuaries. These actuaries meet the Academy's Qualification Standards to render the actuarial opinions contained herein. The signing actuaries are independent of the plan sponsor.

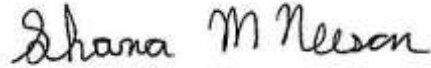
Respectfully submitted,
Gabriel, Roeder, Smith & Company



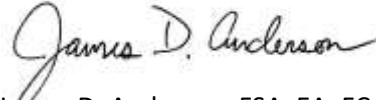
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SECTION A

EXECUTIVE SUMMARY

Executive Summary

1. Introduction

Each year actuarial valuations are prepared for the Virginia Retirement System (VRS). This valuation provides information for the following Other Postemployment Benefit (OPEB) Plans of the VRS, prepared as of June 30, 2023:

- Group Life Insurance Program (GLI)
- Health Insurance Credit Program (HIC)
 - State Employees (HIC – State Employees)
 - Teachers (HIC – Teachers)
 - Political Subdivisions in Aggregate (HIC – Political Subdivisions)
 - Constitutional Officers (HIC – Constitutional Officers)
 - Social Service Employees (HIC – Social Service Employees)
 - Registrars (HIC – Registrars)
- Virginia Sickness and Disability Program (VSDP)
- Virginia Local Disability Program (VLDP)
 - Teachers (VLDP – Teachers)
 - Political Subdivisions (VLDP – Political Subdivisions)

This report includes information, in aggregate, regarding the actuarial valuations of the Health Insurance Credit Program for Political Subdivisions as of June 30, 2023. The funded status and employer contribution rates for Political Subdivisions are developed individually at the employer level. Actuarial valuation reports for each of the Political Subdivisions are provided under separate cover.

Throughout this report, there may be cases when the schedules do not add due to rounding.

Executive Summary

2. Total Employer Contributions to Support OPEB Plan Benefits – Including an Actuarially Determined Employer Contribution (ADEC) Rate

Fiscal Year Ending:	2023 & 2024		Informational - 2024	2025 & 2026	
Valuation Date:	June 30, 2021		June 30, 2022	June 30, 2023	June 30, 2023
OPEB Plan	Board Approved	General Assembly Approved	ADEC	Before Funding Policy Change ADEC ²	Board Adopted - After Funding Policy Change ADEC ²
GLI	1.19%	1.34%	1.21%	1.15%	1.18%
HIC - State Employees	1.04%	1.12%	0.90%	0.89%	0.90%
HIC - Teachers	1.21%	1.21%	1.08%	1.03%	1.03%
HIC - Political Subdivisions (Average ¹)	0.36%	N/A	0.36%	0.35%	0.36%
HIC - Constitutional Officers	0.36%	0.36%	0.29%	0.33%	0.32%
HIC - Social Service Employees	0.37%	0.37%	0.31%	0.26%	0.26%
HIC - Registrars	0.32%	0.32%	0.21%	0.17%	0.17%
VSDP	0.56%	0.61%	0.45%	0.45%	0.50%
VLDP - Teachers	0.47%	0.47%	0.46%	0.45%	0.45%
VLDP - Political Subdivisions	0.85%	0.85%	0.78%	0.75%	0.74%

¹ Fiscal years ending 2023 and 2024 were restated as weighted average from prior actuary's published results by individual employer. The General Assembly does not approve the Political Subdivision rates.

² During the 2023 valuation cycle, the Board adopted a change to the VRS Funding Policy Statement which generally reset the remaining amortization period to 20 years for the total unfunded accrued liability as of June 30, 2023.

Contribution rates for VRS employers are established every two years – the table above shows the employer contribution rates for fiscal years ending 2023-2026 based on the June 30, 2021 and June 30, 2023 actuarial valuations. The budget provides for funding fiscal years ending 2023 and 2024 based on the prior biennium's higher contribution rates for GLI (1.34% vs. 1.19%), HIC-State Employees (1.12% vs. 1.04%) and VSDP (0.61% vs. 0.56%). Also, the budget included the additional amounts below, contributed in June 2023 in an effort to address the unfunded liabilities associated with each plan:

OPEB Plan	June 2023 Additional Contributions
GLI	\$ 10,146,126
HIC - State Employees	27,159,085
HIC - Teachers	4,004,338
HIC - Constitutional Officers	91,992
HIC - Social Service Employees	1,031,416
HIC - Registrars	2,165

The actuarially calculated employer contribution rates based on the June 30, 2023 valuation presented in this report are *required* in nature.

Executive Summary

3. Funded Ratio

The funded ratio of the plan is the percentage of the dollar value of the accrued liability that is covered by the actuarial value of assets. While the funded ratio may be a useful plan measurement, understanding a plan’s funding trend may be more important than a particular point in time. The chart below compares the funded ratio for the current valuation with the results of the prior valuation.

OPEB Plan	Funded Ratio	
	June 30, 2023	June 30, 2022
GLI	66.20%	63.95%
HIC - State Employees	26.18%	21.84%
HIC - Teachers	18.12%	15.13%
HIC - Political Subdivisions	54.16%	47.21%
HIC - Constitutional Officers	24.59%	22.90%
HIC - Social Service Employees	33.93%	17.18%
HIC - Registrars	45.53%	37.04%
VSDP	202.24%	198.57%
VLDP - Teachers	92.82%	81.18%
VLDP - Political Subdivisions	115.45%	106.83%

4. Reasons for Change

There are three general reasons why contribution rates change from one valuation to the next. The first is a change in the benefits or eligibility conditions of the plan. The second is a change in the valuation assumptions used to project future occurrences. The third is the difference during the year between the plan’s actual experience and what the assumptions predicted.

During the 2023 legislative session the following House Bills (HB) were passed related to the HIC benefit, HB 1789 and HB 2314. These bills increase the amount of monthly health insurance credits received by retired state employees (\$4.25 accrual) and retired constitutional officers and their employees (\$1.75 accrual), beginning July 1, 2024. There were no other significant changes in plan benefits or eligibility conditions since the prior valuation.

On October 19, 2023, the VRS Board adopted a change to the VRS Funding Policy Statement which generally reset the amortization period to 20 years for the total unfunded accrued liability as of June 30, 2023. Any HIC political subdivision unfunded liabilities which were originally amortized over 10 years, associated with the implementation of coverage or enhancement of coverage, were not reset as part of the October 19, 2023 change. There were no further changes in actuarial assumptions or methods since the last valuation.

Executive Summary

4. Reasons for Change (Concluded)

Plan experience differed from expectations as follows:

- For the period ending June 30, 2023, the VRS reported an investment return of 6.1% on a market value basis, compared to the assumed level of 6.75%. For plans using a smoothed asset valuation method (HIC – State Employees, HIC – Teachers, GLI, VSDP, VLDP – Teachers, and VLDP- Political Subdivisions) investment gains and losses are spread over a 5-year period. Partial recognition of this year’s loss, combined with the continued phase-in of investment gains and losses from prior years resulted in a net recognized asset gain.
- Results for 160 Political Subdivision Employers include an additional contribution rate applied to plans with funding levels below 75%.

SECTION B

VALUATION RESULTS

Results Summary

Group Life Insurance Program

(\$ in Thousands)

Valuation Date	June 30, 2023	June 30, 2022
Participants		
Active	369,044	362,386
Long Term Disability	2,427	2,478
Retirees	198,791	194,734
Disabled	12,766	13,076
Inactive, Vested	13,554	8,656
Total	596,582	581,330
Annual Covered Payroll	\$ 24,588,850	\$ 22,887,363
Valuation Salary	22,089,533	20,566,984
Actuarially Determined Employer Contribution (ADEC):		
Normal Cost	\$ 85,358	\$ 88,493
Administrative Expense	1,268	1,184
Accrued Liability	93,353	84,509
Total	\$ 179,979	\$ 174,186
ADEC as a Percent of Active Payroll ¹ :	June 30, 2025 and June 30, 2026	Informational June 30, 2024
Normal Cost	0.39%	0.43%
Administrative Expense	0.01%	0.01%
Accrued Liability ²	0.39%	0.38%
Total	0.79%	0.82%
Adjustment for Active Group Life Insurance	0.39%	0.39%
Total Cost for Plan	1.18%	1.21%
Contribution as ¢ per \$1,000 of Active Insurance ¹		
Active Members	16.2	16.2
Retired and Disabled Members	32.7	33.9
Total	48.9	50.1
Amortization Period (Years):	20	12-21
1. Actuarial Accrued Liability		
Present value of prospective benefits payable in respect of:		
(a) Active members	\$ 2,022,357	\$ 1,892,866
(b) Inactive members	2,589,534	2,460,416
(c) Total present value of future benefits	\$ 4,611,891	\$ 4,353,282
(d) Present value of future normal cost	594,628	611,527
(e) Total actuarial accrued liability (1c) - (1d)	\$ 4,017,263	\$ 3,741,755
2. Actuarial Value of Assets	2,659,543	2,392,750
3. Unfunded Actuarial Accrued Liability (1e) - 2	\$ 1,357,720	\$ 1,349,005
4. Funded Ratio	66.20%	63.95%
5. Present Assets - Market Value	\$ 2,707,739	\$ 2,467,989
6. Funded Ratio - Market Value Basis	67.40%	65.96%
Insurance Amount		
Active Members	\$ 49,177,700	\$ 45,774,726
Retired and Disabled Members	9,800,051	9,366,554
Total	\$ 58,977,751	\$ 55,141,280

¹ Contributions to GLI consist of one-year term active member life insurance provided through an insurance company and advance funding payments to support postemployment life insurance.

² Includes timing adjustment factor of 1.018041.



Results Summary

Health Insurance Credit Program – State Employees

(\$ in Thousands)

Valuation Date	June 30, 2023	June 30, 2022
Participants ¹		
Active	111,811	107,975
Long Term Disability	2,806	2,866
Retirees	53,061	53,108
Disabled	2,462	2,647
Inactive, Vested	3,566	2,381
Inactive, Active Elsewhere in VRS	10,502	13,531
Total	184,208	182,508
Annual Covered Payroll	\$ 8,706,942	\$ 7,990,179
Valuation Salary	7,923,439	7,278,483
Actuarially Determined Employer Contribution (ADEC):		
Normal Cost	\$ 20,233	\$ 17,076
Administrative Expense	374	357
Accrued Liability	54,827	52,543
Total	\$ 75,434	\$ 69,976
ADEC as a Percent of Active Payroll:	June 30, 2025 and June 30, 2026	Informational June 30, 2024
Normal Cost	0.26%	0.23%
Administrative Expense	0.00%	0.00%
Accrued Liability ²	0.64%	0.67%
Total	0.90%	0.90%
Amortization Period (Years):	20	12-21
1. Actuarial Accrued Liability		
Present value of prospective benefits payable in respect of:		
(a) Active members	\$ 460,746	\$ 440,816
(b) Inactive members	758,764	706,825
(c) Total present value of future benefits	\$ 1,219,510	\$ 1,147,640
(d) Present value of future normal cost	139,348	121,324
(e) Total actuarial accrued liability (1c) - (1d)	\$ 1,080,163	\$ 1,026,316
2. Actuarial Value of Assets	282,761	224,132
3. Unfunded Actuarial Accrued Liability (1e) - 2	\$ 797,401	\$ 802,184
4. Funded Ratio	26.18%	21.84%
5. Present Assets - Market Value	\$ 280,617	\$ 224,575
6. Funded Ratio - Market Value Basis	25.98%	21.88%
Expected Benefit Payments	\$ 86,010	\$ 79,580

¹ State Employees include State, JRS, SPORS, VaLORS, ORP and UVA employees.

² Includes timing adjustment factor of 1.018041.



Results Summary

Health Insurance Credit Program – Teachers

(\$ in Thousands)

Valuation Date	June 30, 2023	June 30, 2022
Participants		
Active	153,109	153,356
Long Term Disability	39	39
Retirees	73,642	72,651
Disabled	3,197	3,322
Inactive, Vested	4,169	4,205
Inactive, Active Elsewhere in VRS	5,263	6,276
Total	239,419	239,849
Annual Covered Payroll ¹	\$ 10,134,828	\$ 9,713,588
Valuation Salary	8,945,282	8,568,626
Actuarially Determined Employer Contribution (ADEC):		
Normal Cost	\$ 18,141	\$ 18,154
Administrative Expense	359	334
Accrued Liability	82,254	83,042
Total	\$ 100,754	\$ 101,530
ADEC as a Percent of Active Payroll:	June 30, 2025 and June 30, 2026	Informational June 30, 2024
Normal Cost	0.20%	0.21%
Administrative Expense	0.00%	0.00%
Accrued Liability ²	0.83%	0.87%
Total	1.03%	1.08%
Amortization Period (Years):	20	12-21
1. Actuarial Accrued Liability		
Present value of prospective benefits payable in respect of:		
(a) Active members	\$ 678,453	\$ 674,345
(b) Inactive members	932,224	934,044
(c) Total present value of future benefits	\$ 1,610,678	\$ 1,608,389
(d) Present value of future normal cost	149,676	150,751
(e) Total actuarial accrued liability (1c) - (1d)	\$ 1,461,001	\$ 1,457,637
2. Actuarial Value of Assets	264,699	220,590
3. Unfunded Actuarial Accrued Liability (1e) - 2	\$ 1,196,302	\$ 1,237,047
4. Funded Ratio	18.12%	15.13%
5. Present Assets - Market Value	\$ 264,092	\$ 221,845
6. Funded Ratio - Market Value Basis	18.08%	15.22%
Expected Benefit Payments	\$ 101,504	\$ 100,641

¹ Includes an assumed pay increase on the valuation date.

² Includes timing adjustment factor of 1.018041.



Results Summary

Health Insurance Credit Program – Political Subdivisions

(\$ in Thousands)

Valuation Date	June 30, 2023	June 30, 2022
Participants		
Active	37,917	36,427
Long Term Disability	50	46
Retirees	10,073	9,551
Disabled	1,401	1,424
Inactive, Vested	941	1,130
Inactive, Active Elsewhere in VRS	8,710	11,003
Total	59,092	59,581
Annual Covered Payroll	\$ 1,880,359	\$ 1,670,364
Valuation Salary	1,698,188	1,511,882
Actuarially Determined Employer Contribution (ADEC):		
Normal Cost	\$ 1,151	\$ 1,132
Administrative Expense	55	62
Accrued Liability ¹	2,333	2,952
Additional Funding Contribution ²	47	37
Plan Surcharge	3,027	1,832
Total	\$ 6,613	\$ 6,015
ADEC as a Percent of Active Payroll:	June 30, 2025 and June 30, 2026	Informational June 30, 2024
Normal Cost	0.07%	0.07%
Administrative Expense	0.00%	0.00%
Accrued Liability ¹	0.13%	0.18%
Additional Funding Contribution ²	0.00%	0.00%
Plan Surcharge	0.16%	0.11%
Total	0.36%	0.36%
Amortization Period (Years):	9-20	12-21
1. Actuarial Accrued Liability		
Present value of prospective benefits payable in respect of:		
(a) Active members	\$ 37,057	\$ 37,500
(b) Inactive members	44,568	45,470
(c) Total present value of future benefits	\$ 81,625	\$ 82,970
(d) Present value of future normal cost	7,766	7,688
(e) Total actuarial accrued liability (1c) - (1d)	\$ 73,859	\$ 75,282
2. Actuarial Value of Assets	40,002	35,541
3. Unfunded Actuarial Accrued Liability (1e) - 2	\$ 33,857	\$ 39,742
4. Funded Ratio	54.16%	47.21%
5. Present Assets - Market Value	\$ 40,002	\$ 35,541
6. Funded Ratio - Market Value Basis	54.16%	47.21%
Expected Benefit Payments	\$ 4,682	\$ 4,614

¹ Includes timing adjustment factor of 1.018041.

² Some Political Subdivisions include an additional funding contribution rate to allow the use of the 6.75% investment return as the single equivalent interest rate assumption for purposes of GASB Statement Nos. 74 and 75.



Results Summary

Health Insurance Credit Program – Constitutional Officers

(\$ in Thousands)

Valuation Date	June 30, 2023	June 30, 2022
Participants		
Active	13,859	13,578
Long Term Disability	0	0
Retirees	4,228	4,097
Disabled	305	317
Inactive, Vested	646	370
Inactive, Active Elsewhere in VRS	3,401	4,256
Total	22,439	22,618
Annual Covered Payroll	\$ 895,098	\$ 823,323
Valuation Salary	818,076	752,882
Actuarially Determined Employer Contribution (ADEC):		
Normal Cost	\$ 758	\$ 637
Administrative Expense	24	27
Accrued Liability	2,060	1,736
Total	\$ 2,842	\$ 2,401
ADEC as a Percent of Active Payroll:	June 30, 2025 and June 30, 2026	Informational June 30, 2024
Normal Cost	0.09%	0.08%
Administrative Expense	0.00%	0.00%
Accrued Liability ¹	0.23%	0.21%
Total	0.32%	0.29%
Amortization Period (Years):	20	12-21
1. Actuarial Accrued Liability		
Present value of prospective benefits payable in respect of:		
(a) Active members	\$ 19,607	\$ 16,687
(b) Inactive members	26,038	21,518
(c) Total present value of future benefits	\$ 45,646	\$ 38,206
(d) Present value of future normal cost	5,922	4,997
(e) Total actuarial accrued liability (1c) - (1d)	\$ 39,723	\$ 33,209
2. Actuarial Value of Assets	9,767	7,604
3. Unfunded Actuarial Accrued Liability (1e) - 2	\$ 29,956	\$ 25,605
4. Funded Ratio	24.59%	22.90%
5. Present Assets - Market Value	\$ 9,767	\$ 7,604
6. Funded Ratio - Market Value Basis	24.59%	22.90%
Expected Benefit Payments	\$ 2,513	\$ 2,050

¹ Includes timing adjustment factor of 1.018041.



Results Summary

Health Insurance Credit Program – Social Services Employees

(\$ in Thousands)

Valuation Date	June 30, 2023	June 30, 2022
Participants		
Active	6,338	6,199
Long Term Disability	0	0
Retirees	2,248	2,212
Disabled	158	165
Inactive, Vested	221	174
Inactive, Active Elsewhere in VRS	2,928	3,101
Total	11,893	11,851
Annual Covered Payroll	\$ 362,970	\$ 332,846
Valuation Salary	326,153	299,147
Actuarially Determined Employer Contribution (ADEC):		
Normal Cost	\$ 180	\$ 179
Administrative Expense	20	4
Accrued Liability	689	823
Total	\$ 889	\$ 1,005
	June 30, 2025 and June 30, 2026	Informational June 30, 2024
ADEC as a Percent of Active Payroll:		
Normal Cost	0.06%	0.06%
Administrative Expense	0.01%	0.00%
Accrued Liability ¹	0.19%	0.25%
Total	0.26%	0.31%
Amortization Period (Years):	20	12-21
1. Actuarial Accrued Liability		
Present value of prospective benefits payable in respect of:		
(a) Active members	\$ 4,962	\$ 5,045
(b) Inactive members	11,405	11,052
(c) Total present value of future benefits	\$ 16,367	\$ 16,096
(d) Present value of future normal cost	1,206	1,209
(e) Total actuarial accrued liability (1c) - (1d)	\$ 15,161	\$ 14,887
2. Actuarial Value of Assets	5,145	2,558
3. Unfunded Actuarial Accrued Liability (1e) - 2	\$ 10,017	\$ 12,329
4. Funded Ratio	33.93%	17.18%
5. Present Assets - Market Value	\$ 5,145	\$ 2,558
6. Funded Ratio - Market Value Basis	33.93%	17.18%
Expected Benefit Payments	\$ 1,132	\$ 1,091

¹ Includes timing adjustment factor of 1.018041.



Results Summary

Health Insurance Credit Program – Registrars

(\$ in Thousands)

Valuation Date	June 30, 2023	June 30, 2022
Participants		
Active	296	274
Long Term Disability	0	0
Retirees	78	78
Disabled	2	2
Inactive, Vested	10	6
Inactive, Active Elsewhere in VRS	39	35
Total	425	395
Annual Covered Payroll	\$ 20,537	\$ 18,141
Valuation Salary	18,478	16,329
Actuarially Determined Employer Contribution (ADEC):		
Normal Cost	\$ 13	\$ 12
Administrative Expense	1	1
Accrued Liability	21	23
Total	\$ 34	\$ 36
ADEC as a Percent of Active Payroll:	June 30, 2023 and June 30, 2026	Informational June 30, 2024
Normal Cost	0.07%	0.07%
Administrative Expense	0.00%	0.01%
Accrued Liability ¹	0.10%	0.13%
Total	0.17%	0.21%
Amortization Period (Years):	20	12-21
1. Actuarial Accrued Liability		
Present value of prospective benefits payable in respect of:		
(a) Active members	\$ 281	\$ 275
(b) Inactive members	354	339
(c) Total present value of future benefits	\$ 634	\$ 614
(d) Present value of future normal cost	72	66
(e) Total actuarial accrued liability (1c) - (1d)	\$ 563	\$ 547
2. Actuarial Value of Assets	256	203
3. Unfunded Actuarial Accrued Liability (1e) - 2	\$ 306	\$ 345
4. Funded Ratio	45.53%	37.04%
5. Present Assets - Market Value	\$ 256	\$ 203
6. Funded Ratio - Market Value Basis	45.53%	37.04%
Expected Benefit Payments	\$ 38	\$ 37

¹ Includes timing adjustment factor of 1.018041.



Results Summary

Virginia Sickness and Disability Program

(\$ in Thousands)

Valuation Date	June 30, 2023	June 30, 2022
Participants		
Number Active (participating in VSDP)	80,500	75,692
Number Disabled	2,279	2,346
Number Ported	3,863	3,658
Total	86,642	81,696
Annual Covered Payroll ¹	\$ 5,527,273	\$ 4,907,916
Valuation Salary	5,035,386	4,475,396
Actuarially Determined Employer Contribution (ADEC):		
Normal Cost	\$ 37,701	\$ 33,331
Administrative Expense	8,345	7,918
Accrued Liability	(21,763)	(21,553)
Total	\$ 24,283	\$ 19,697
ADEC as a Percent of Active Payroll:	June 30, 2025 and June 30, 2026	Informational June 30, 2024
Normal Cost	0.75%	0.74%
Administrative Expense	0.15%	0.16%
Accrued Liability ²	(0.40)%	(0.45)%
Total	0.50%	0.45%
Amortization Period (Years):	20	12-21
1. Actuarial Accrued Liability		
Present value of prospective benefits payable in respect of:		
(a) Active members	\$ 420,187	\$ 380,600
(b) Disabled and ported members	170,894	163,999
(c) Total present value of future benefits	\$ 591,082	\$ 544,600
(d) Present value of future normal cost	281,486	249,171
(e) Total actuarial accrued liability (1c) - (1d)	\$ 309,596	\$ 295,428
2. Actuarial Value of Assets	626,118	586,619
3. Unfunded Actuarial Accrued Liability (1e) - 2	\$ (316,522)	\$ (291,190)
4. Funded Ratio	202.24%	198.57%
5. Present Assets - Market Value	\$ 634,779	\$ 602,916
6. Funded Ratio - Market Value Basis	205.03%	204.08%

¹ Annual covered payroll consists only of those State, VaLORS, and SPORS employees participating in VSDP and excludes the compensation of those employees hired before January 1, 1999 who did not elect VSDP during one of two open enrollment periods offered in 1999 and 2002.

² Includes timing adjustment factor of 1.018041.



Results Summary

Virginia Local Disability Program – Teachers

(\$ in Thousands)

Valuation Date	June 30, 2023	June 30, 2022
Participants		
Number Active (participating in VLDP)	17,843	16,592
Number Disabled	37	39
Number Ported	1	0
Total	17,881	16,631
Annual Covered Payroll ¹	\$ 900,790	\$ 801,003
Valuation Salary	773,734	667,580
Actuarially Determined Employer Contribution (ADEC):		
Normal Cost	\$ 2,291	\$ 1,949
Administrative Expense	1,288	1,207
Accrued Liability	53	127
Total	\$ 3,633	\$ 3,283
ADEC as a Percent of Active Payroll:		
Normal Cost	0.30%	0.29%
Administrative Expense	0.14%	0.15%
Accrued Liability ²	0.01%	0.02%
Total	0.45%	0.46%
Amortization Period (Years):		
	20	12-21
1. Actuarial Accrued Liability		
Present value of prospective benefits payable in respect of:		
(a) Active members	\$ 30,515	\$ 25,675
(b) Disabled and ported members	2,663	2,465
(c) Total present value of future benefits	\$ 33,178	\$ 28,140
(d) Present value of future normal cost	22,375	19,164
(e) Total actuarial accrued liability (1c) - (1d)	\$ 10,803	\$ 8,976
2. Actuarial Value of Assets	10,028	7,287
3. Unfunded Actuarial Accrued Liability (1e) - 2	\$ 776	\$ 1,689
4. Funded Ratio	92.82%	81.18%
5. Present Assets - Market Value	\$ 10,008	\$ 7,320
6. Funded Ratio - Market Value Basis	92.64%	81.55%

¹ Annual Covered Payroll consists only of those employees participating in VLDP. Includes an assumed pay increase on the valuation date.

² Includes timing adjustment factor of 1.018041.



Results Summary

Virginia Local Disability Program – Political Subdivisions

(\$ in Thousands)

Valuation Date	June 30, 2023	June 30, 2022
Participants		
Number Active (participating in VLDP)	14,775	12,374
Number Disabled	98	87
Number Ported	2	2
Total	14,875	12,463
Annual Covered Payroll ¹	\$ 689,505	\$ 537,869
Valuation Salary	608,441	473,842
Actuarially Determined Employer Contribution (ADEC):		
Normal Cost	\$ 3,312	\$ 2,585
Administrative Expense	1,527	1,241
Accrued Liability	(102)	(23)
Total	\$ 4,736	\$ 3,803
ADEC as a Percent of Active Payroll:		
Normal Cost	0.54%	0.55%
Administrative Expense	0.22%	0.23%
Accrued Liability ²	(0.02)%	0.00%
Total	0.74%	0.78%
Amortization Period (Years):	20	12-21
1. Actuarial Accrued Liability		
Present value of prospective benefits payable in respect of:		
(a) Active members	\$ 27,394	\$ 21,451
(b) Disabled and ported members	4,463	3,369
(c) Total present value of future benefits	\$ 31,856	\$ 24,820
(d) Present value of future normal cost	22,208	17,382
(e) Total actuarial accrued liability (1c) - (1d)	\$ 9,648	\$ 7,438
2. Actuarial Value of Assets	11,138	7,946
3. Unfunded Actuarial Accrued Liability (1e) - 2	\$ (1,490)	\$ (508)
4. Funded Ratio	115.45%	106.83%
5. Present Assets - Market Value	\$ 11,134	\$ 7,948
6. Funded Ratio - Market Value Basis	115.40%	106.85%

¹ Annual covered payroll consists only of those employees participating in VLDP.

² Includes timing adjustment factor of 1.018041.



Group Life Insurance Program Amortization of Unfunded Actuarial Accrued Liability

Description	Original Amount	Outstanding Balance as of June 30, 2022	July 1, 2022 Amortization Payment	Outstanding Balance as of June 30, 2023	July 1, 2023 Amortization Payment	Years Remaining as of June 30, 2023
2023 Experience (Gain)/Loss	\$ 1,357,719,508	n/a	n/a	\$ 1,357,719,508	\$ 93,352,759	20 Years
Total		\$ 1,349,004,851	\$ 84,508,784	\$ 1,357,719,508	\$ 93,352,759	



Health Insurance Credit Program – State Employees Amortization of Unfunded Actuarial Accrued Liability

Description	Original Amount	Outstanding Balance as of June 30, 2022	July 1, 2022 Amortization Payment	Outstanding Balance as of June 30, 2023	July 1, 2023 Amortization Payment	Years Remaining as of June 30, 2023
2023 Experience (Gain)/Loss	797,401,461	n/a	n/a	797,401,461	54,826,955	20 Years
Total		\$ 802,183,789	\$ 52,542,549	\$ 797,401,461	\$ 54,826,955	

Health Insurance Credit Program – Teachers Amortization of Unfunded Actuarial Accrued Liability

Description	Original Amount	Outstanding Balance as of June 30, 2022	July 1, 2022 Amortization Payment	Outstanding Balance as of June 30, 2023	July 1, 2023 Amortization Payment	Years Remaining as of June 30, 2023
2023 Experience (Gain)/Loss	\$ 1,196,302,441	n/a	n/a	\$ 1,196,302,441	\$ 82,254,201	20 Years
Total		\$ 1,237,047,034	\$ 83,041,974	\$ 1,196,302,441	\$ 82,254,201	



Health Insurance Credit Program – Constitutional Officers Amortization of Unfunded Actuarial Accrued Liability

Description	Original Amount	Outstanding Balance as of June 30, 2022	July 1, 2022 Amortization Payment	Outstanding Balance as of June 30, 2023	July 1, 2023 Amortization Payment	Years Remaining as of June 30, 2023
2023 Experience (Gain)/Loss	\$ 29,955,863	n/a	n/a	\$ 29,955,863	\$ 2,059,676	20 Years
Total		\$ 25,604,693	\$ 1,736,399	\$ 29,955,863	\$ 2,059,676	

Health Insurance Credit Program – Social Service Employees Amortization of Unfunded Actuarial Accrued Liability

Description	Original Amount	Outstanding Balance as of June 30, 2022	July 1, 2022 Amortization Payment	Outstanding Balance as of June 30, 2023	July 1, 2023 Amortization Payment	Years Remaining as of June 30, 2023
2023 Experience (Gain)/Loss	\$ 10,016,624	n/a	n/a	\$ 10,016,624	\$ 688,713	20 Years
Total		\$ 12,329,409	\$ 822,718	\$ 10,016,624	\$ 688,713	

Health Insurance Credit Program – Registrars Amortization of Unfunded Actuarial Accrued Liability

Description	Original Amount	Outstanding Balance as of June 30, 2022	July 1, 2022 Amortization Payment	Outstanding Balance as of June 30, 2023	July 1, 2023 Amortization Payment	Years Remaining as of June 30, 2023
2023 Experience (Gain)/Loss	\$ 306,404	n/a	n/a	\$ 306,404	\$ 21,067	20 Years
Total		\$ 344,522	\$ 22,915	\$ 306,404	\$ 21,067	



Virginia Sickness and Disability Program Amortization of Unfunded Actuarial Accrued Liability

Description	Original Amount	Outstanding Balance as of June 30, 2022	July 1, 2022 Amortization Payment	Outstanding Balance as of June 30, 2023	July 1, 2023 Amortization Payment	Years Remaining as of June 30, 2023
2023 Experience (Gain)/Loss	\$ (316,522,426)	n/a	n/a	\$ (316,522,426)	\$ (21,763,142)	20 Years
Total		\$ (291,190,317)	\$ (21,552,698)	\$ (316,522,426)	\$ (21,763,142)	



Virginia Local Disability Program – Teachers Amortization of Unfunded Actuarial Accrued Liability

Description	Original Amount	Outstanding Balance as of June 30, 2022	July 1, 2022 Amortization Payment	Outstanding Balance as of June 30, 2023	July 1, 2023 Amortization Payment	Years Remaining as of June 30, 2023
2023 Experience (Gain)/Loss	\$ 775,665	n/a	n/a	\$ 775,665	\$ 53,332	20 Years
Total		\$ 1,689,084	\$ 126,511	\$ 775,665	\$ 53,332	

Virginia Local Disability Program – Political Subdivisions Amortization of Unfunded Actuarial Accrued Liability

Description	Original Amount	Outstanding Balance as of June 30, 2022	July 1, 2022 Amortization Payment	Outstanding Balance as of June 30, 2023	July 1, 2023 Amortization Payment	Years Remaining as of June 30, 2023
2023 Experience (Gain)/Loss	\$ (1,490,347)	n/a	n/a	\$ (1,490,347)	\$ (102,472)	20 Years
Total		\$ (507,892)	\$ (23,268)	\$ (1,490,347)	\$ (102,472)	



Unfunded Actuarial Accrued Liability Changes Experience 2022 - 2023 (\$ in Thousands)

	GLI	HIC - State Employees ¹	HIC - Teachers	HIC - Political Subdivisions	HIC - Constitutional Officers	HIC - Social Service Employees	HIC - Registrars
1. Beginning of year:							
(a) Actuarial Accrued Liability (AAL)	\$ 3,741,755	\$ 1,026,316	\$ 1,457,637	\$ 75,282	\$ 33,209	\$ 14,887	\$ 547
(b) Normal Cost	88,493	17,076	18,154	1,132	637	179	12
(c) Benefit Payments ²	175,805	77,273	96,645	4,303	2,069	1,074	37
2. End of Year:							
(a) Expected AAL, before Plan Changes $[(1a) + (1b)] \times 1.0675 - [(1c) \times (1 + [0.0675 \times 0.50])]$	3,907,051	1,033,940	1,475,500	77,124	33,992	14,973	559
(b) Actual AAL, before Plan Changes	4,017,263	1,011,882	1,461,001	73,859	33,714	15,161	563
(c) Actual AAL, after Plan Changes	4,017,263	1,080,163	1,461,001	73,859	39,723	15,161	563
3. Total AAL Gain (Loss)							
(a) Gain (Loss) due to Experience (2a) - (2b)	(110,212)	22,058	14,499	3,265	278	(188)	(4)
(b) Gain (Loss) due to Plan Changes (2b) - (2c)	-	(68,281)	-	-	(6,009)	-	-
Total	(110,212)	(46,223)	14,499	3,265	(5,731)	(188)	(4)
4. Actuarial Value of Assets (AVA) Beginning of Year	2,392,750	224,132	220,590	35,541	7,604	2,558	203
5. Net External Cash Flow During the Year							
(a) Expected Contributions	173,002	69,619	101,196	5,953	2,374	1,001	35
(b1) Actual Contributions ²	235,457	92,002	120,265	6,697	3,077	1,856	63
(b2) Actual Contributions - Additional and Transfers	3,053	27,159	-	(168)	230	1,061	3
(b3) Contributions - Non-Employer Contributing Entity	7,093	-	4,004	-	-	-	-
(c) Benefit Payments ²	175,805	77,273	96,645	4,303	2,069	1,074	37
6. End of Year:							
(a) Expected AVA, using expected contributions $[(4) + (5a)] \times 1.0675 - [(5c) \times (1 + [0.0675 \times 0.50])]$	2,557,202	233,698	243,600	39,846	8,513	2,689	216
(b) Expected AVA, using actual contributions $[(4) \times 1.0675] + [((5b1) - (5c)) \times (1 + [0.0675 \times 0.50])] + [(5b2) + (5b3)]$	2,626,072	281,646	263,901	40,246	9,389	4,601	246
(c) Actual AVA	2,659,543	282,761	264,699	40,002	9,767	5,145	256
7. AVA Gain (Loss)							
(a) Gain (Loss) due to contributions different than expected (6b) - (6a)	68,870	47,948	20,301	400	876	1,911	30
(b) Gain (Loss) due to investment experience (6c) - (6b)	33,471	1,115	798	(244)	378	544	10
Total	102,341	49,063	21,099	156	1,254	2,456	40
8. Expected UAAL at End of Year (2a) - (6a)	1,349,849	800,242	1,231,900	37,278	25,479	12,284	343
9. Actual UAAL at End of Year (2c) - (6c)	1,357,720	797,402	1,196,302	33,857	29,956	10,016	307
10. UAAL Gain (Loss)							
(a) Gain (Loss) Experience (3a) + (7)	(7,871)	71,121	35,598	3,421	1,532	2,268	36
(b) Gain (Loss) due to Plan Changes (3b)	-	(68,281)	-	-	(6,009)	-	-
Total	\$ (7,871)	\$ 2,840	\$ 35,598	\$ 3,421	\$ (4,477)	\$ 2,268	\$ 36

¹ State Employees include State, JRS, SPORS, VaLORS, ORP and UVA employees.

² GLI actual contributions and benefit payments exclude amounts for the active group.



Unfunded Accrued Liability Changes Experience 2022 - 2023 (\$ in Thousands)

	VSDP	VLDP - Teachers	VLDP - Political Subdivisions
1. Beginning of year:			
(a) Actuarial Accrued Liability (AAL)	\$ 295,428	\$ 8,976	\$ 7,438
(b) Normal Cost	33,331	1,949	2,585
(c) Benefit Payments	31,004	959	1,136
2. End of Year:			
(a) Expected AAL, before Plan Changes $[(1a) + (1b)] \times 1.0675 - [(1c) \times (1 + [0.0675 \times 0.50])]$	318,900	10,671	9,525
(b) Actual AAL, before Plan Changes	309,596	10,803	9,648
(c) Actual AAL, after Plan Changes	309,596	10,803	9,648
3. Total AAL Gain (Loss)			
(a) Gain (Loss) due to Experience (2a) - (2b)	9,304	(132)	(123)
(b) Gain (Loss) due to Plan Changes (2b) - (2c)	-	-	-
Total	9,304	(132)	(123)
4. Actuarial Value of Assets (AVA) Beginning of Year	586,619	7,287	7,946
5. Net External Cash Flow During the Year			
(a) Expected Contributions	11,779	2,076	2,562
(b1) Actual Contributions	24,129	3,099	3,673
(b2) Actual Contributions - Additional and Transfers	-	-	-
(b3) Contributions - Non-Employer Contributing Entity	-	-	-
(c) Benefit Payments	31,004	959	1,136
6. End of Year:			
(a) Expected AVA, using expected contributions $[(4) + (5a)] \times 1.0675 - [(5c) \times (1 + [0.0675 \times 0.50])]$	606,739	9,004	10,042
(b) Expected AVA, using actual contributions $[(4) \times 1.0675] + [((5b1) - (5c)) \times (1 + [0.0675 \times 0.50])] + [(5b2) + (5b3)]$	619,109	9,991	11,105
(c) Actual AVA	626,118	10,028	11,138
7. AVA Gain (Loss)			
(a) Gain (Loss) due to contributions different than expected (6b) - (6a)	12,369	987	1,062
(b) Gain (Loss) due to investment experience (6c) - (6b)	7,009	36	33
Total	19,379	1,024	1,096
8. Expected UAAL at End of Year (2a) - (6a)	(287,840)	1,667	(518)
9. Actual UAAL at End of Year (2c) - (6c)	(316,522)	776	(1,490)
10. UAAL Gain (Loss)			
(a) Gain (Loss) Experience (3a) + (7)	28,683	892	973
(b) Gain (Loss) due to Plan Changes (3b)	-	-	-
Total	\$ 28,683	\$ 892	\$ 973



Schedule of Funding Progress

Group Life Insurance Program (\$ in Thousands)

Actuarial Valuation Date	Actuarial Value of Plan Assets (a)	Actuarial Accrued Liability (AAL) Entry Age (b)	Unfunded AAL (UAAL) (b - a)	Funded Ratio (a / b)	Covered Payroll (c)	UAAL as a Percentage of Covered Payroll ((b - a) / c)
6/30/2023	\$ 2,659,543	\$ 4,017,263	\$ 1,357,720	66.20%	\$ 24,588,850	5.52%
6/30/2022	2,392,750	3,741,755	1,349,005	63.95%	22,887,363	5.89%
6/30/2021	2,135,187	3,524,464	1,389,277	60.58%	21,052,089	6.60%
6/30/2020	1,905,233	3,583,131	1,677,898	53.17%	20,456,977	8.20%
6/30/2019	1,741,406	3,414,322	1,672,916	51.00%	20,498,084	8.16%

Health Insurance Credit Program (\$ in Thousands)

Actuarial Valuation Date	Actuarial Value of Plan Assets (a)	Actuarial Accrued Liability (AAL) Entry Age (b)	Unfunded AAL (UAAL) (b - a)	Funded Ratio (a / b)	Covered Payroll (c)	UAAL as a Percentage of Covered Payroll ((b - a) / c)
State Employees						
6/30/2023	\$ 282,761	\$ 1,080,163	\$ 797,401	26.18%	\$ 8,706,942	9.16%
6/30/2022	224,132	1,026,316	802,184	21.84%	7,990,179	10.04%
6/30/2021	191,829	1,044,663	852,834	18.36%	7,442,699	11.46%
6/30/2020	129,901	1,024,443	894,542	12.68%	7,221,134	12.39%
6/30/2019	109,417	1,026,752	917,335	10.66%	6,907,506	13.28%
Teachers						
6/30/2023	\$ 264,699	\$ 1,461,001	\$ 1,196,302	18.12%	\$ 10,134,828	11.80%
6/30/2022	220,590	1,457,637	1,237,047	15.13%	9,713,588	12.74%
6/30/2021	177,304	1,471,397	1,294,093	12.05%	8,971,605	14.42%
6/30/2020	149,949	1,430,538	1,280,589	10.48%	8,911,307	14.37%
6/30/2019	130,043	1,425,883	1,295,840	9.12%	8,608,489	15.05%

Schedule of Funding Progress

Health Insurance Credit Program (\$ in Thousands)

Actuarial Valuation Date	Actuarial Value of Plan Assets (a)	Actuarial Accrued Liability (AAL) Entry Age (b)	Unfunded AAL (UAAL) (b - a)	Funded Ratio (a / b)	Covered Payroll (c)	UAAL as a Percentage of Covered Payroll ((b - a) / c)
<u>Political Subdivisions</u>						
6/30/2023	\$ 40,002	\$ 73,859	\$ 33,857	54.16%	\$ 1,880,359	1.80%
6/30/2022	35,541	75,282	39,742	47.21%	1,670,364	2.38%
6/30/2021	33,333	82,823	49,490	40.25%	1,507,656	3.28%
6/30/2020	24,468	76,672	52,204	31.91%	1,488,073	3.51%
6/30/2019	24,468	72,855	48,387	33.58%	1,440,731	3.36%
<u>Constitutional Officers</u>						
6/30/2023	\$ 9,767	\$ 39,723	\$ 29,956	24.59%	\$ 895,098	3.35%
6/30/2022	7,604	33,209	25,605	22.90%	823,323	3.11%
6/30/2021	6,669	33,241	26,572	20.06%	747,716	3.55%
6/30/2020	5,114	32,183	27,069	15.89%	733,934	3.69%
6/30/2019	4,479	31,567	27,088	14.19%	698,316	3.88%
<u>Social Service Employees</u>						
6/30/2023	\$ 5,145	\$ 15,161	\$ 10,017	33.93%	\$ 362,970	2.76%
6/30/2022	2,558	14,887	12,329	17.18%	332,846	3.70%
6/30/2021	2,345	14,833	12,488	15.81%	304,315	4.10%
6/30/2020	1,934	14,580	12,646	13.26%	303,771	4.16%
6/30/2019	2,273	14,632	12,359	15.54%	285,738	4.33%
<u>Registrars</u>						
6/30/2023	\$ 256	\$ 563	\$ 306	45.53%	\$ 20,537	1.49%
6/30/2022	203	547	345	37.04%	18,141	1.90%
6/30/2021	169	590	421	28.64%	14,843	2.84%
6/30/2020	126	576	450	21.88%	12,961	3.47%
6/30/2019	88	549	461	15.96%	11,882	3.88%

Schedule of Funding Progress

Virginia Sickness and Disability Program (\$ in Thousands)

Actuarial Valuation Date	Actuarial Value of Plan Assets (a)	Actuarial Accrued Liability (AAL) Entry Age (b)	Unfunded AAL (UAAL) (b - a)	Funded Ratio (a / b)	Covered Payroll (c)	UAAL as a Percentage of Covered Payroll ((b - a) / c)
6/30/2023	\$ 626,118	\$ 309,596	\$ (316,522)	202.24%	\$ 5,527,273	(5.73)%
6/30/2022	586,619	295,428	(291,190)	198.57%	4,907,916	(5.93)%
6/30/2021	547,379	250,103	(297,276)	218.86%	4,576,046	(6.50)%
6/30/2020	505,236	248,869	(256,367)	203.01%	4,382,943	(5.85)%
6/30/2019	484,986	248,512	(236,474)	195.16%	4,456,996	(5.31)%

Virginia Local Disability Program (\$ in Thousands)

Actuarial Valuation Date	Actuarial Value of Plan Assets (a)	Actuarial Accrued Liability (AAL) Entry Age (b)	Unfunded AAL (UAAL) (b - a)	Funded Ratio (a / b)	Covered Payroll (c)	UAAL as a Percentage of Covered Payroll ((b - a) / c)
Teachers						
6/30/2023	\$ 10,028	\$ 10,803	\$ 775	92.82%	\$ 900,790	0.09%
6/30/2022	7,287	8,976	1,689	81.18%	801,003	0.21%
6/30/2021	5,028	5,102	74	98.55%	642,284	0.01%
6/30/2020	2,973	3,333	360	89.20%	571,356	0.06%
6/30/2019	1,662	2,622	960	63.39%	463,174	0.21%
Political Subdivisions						
6/30/2023	\$ 11,138	\$ 9,648	\$ (1,490)	115.45%	\$ 689,505	(0.22)%
6/30/2022	7,946	7,438	(508)	106.83%	537,869	(0.09)%
6/30/2021	5,604	5,005	(599)	111.97%	423,151	(0.14)%
6/30/2020	3,425	3,752	327	91.28%	392,684	0.08%
6/30/2019	1,971	2,817	846	69.97%	337,363	0.25%

Solvency Test

Group Life Insurance Program (\$ in Thousands)

Valuation Date	Aggregate Accrued Liabilities for				Actuarial Value of Assets	Portion of Accrued Liabilities Covered by Actuarial Value of Assets		
	(1) Active Member Contributions	(2) Retirees, Survivors and Inactive Members	(3) Active Members (Employer Financed Portion)			(1)	(2)	(3)
			Total	Total				
6/30/2023	n/a	\$ 2,589,534	\$ 1,427,729	\$ 4,017,263	\$ 2,659,543	n/a	100.00%	4.90%
6/30/2022	n/a	2,460,416	1,281,339	3,741,755	2,392,750	n/a	97.25%	0.00%
6/30/2021	n/a	2,315,129	1,209,335	3,524,464	2,135,187	n/a	92.23%	0.00%
6/30/2020	n/a	2,265,657	1,317,474	3,583,131	1,905,233	n/a	84.09%	0.00%
6/30/2019	n/a	2,071,215	1,343,107	3,414,322	1,741,406	n/a	84.08%	0.00%

Health Insurance Credit Program (\$ in Thousands)

Valuation Date	Aggregate Accrued Liabilities for				Actuarial Value of Assets	Portion of Accrued Liabilities Covered by Actuarial Value of Assets		
	(1) Active Member Contributions	(2) Retirees, Survivors and Inactive Members	(3) Active Members (Employer Financed Portion)			(1)	(2)	(3)
			Total	Total				
State Employees								
6/30/2023	n/a	\$ 758,764	\$ 321,399	\$ 1,080,163	\$ 282,761	n/a	37.27%	0.00%
6/30/2022	n/a	706,825	319,491	1,026,316	224,132	n/a	31.71%	0.00%
6/30/2021	n/a	707,502	337,161	1,044,663	191,829	n/a	27.11%	0.00%
6/30/2020	n/a	690,846	333,597	1,024,443	129,901	n/a	18.80%	0.00%
6/30/2019	n/a	683,387	343,365	1,026,752	109,417	n/a	16.01%	0.00%
Teachers								
6/30/2023	n/a	\$ 932,224	\$ 528,777	\$ 1,461,001	\$ 264,699	n/a	28.39%	0.00%
6/30/2022	n/a	934,044	523,594	1,457,637	220,590	n/a	23.62%	0.00%
6/30/2021	n/a	933,691	537,706	1,471,397	177,304	n/a	18.99%	0.00%
6/30/2020	n/a	905,279	525,259	1,430,538	149,949	n/a	16.56%	0.00%
6/30/2019	n/a	896,306	529,577	1,425,883	130,043	n/a	14.51%	0.00%



Solvency Test

Health Insurance Credit Program (\$ in Thousands)

Valuation Date	Aggregate Accrued Liabilities for				Actuarial Value of Assets	Portion of Accrued Liabilities Covered by Actuarial Value of Assets		
	(1) Active Member Contributions	(2) Retirees, Survivors and Inactive Members	(3) Active Members (Employer Financed Portion)			(1)	(2)	(3)
			Total					
<u>Political Subdivisions</u>								
6/30/2023	n/a	\$ 44,568	\$ 29,291	\$ 73,859	\$ 40,002	n/a	89.75%	0.00%
6/30/2022	n/a	45,470	29,812	75,282	35,541	n/a	78.16%	0.00%
6/30/2021	n/a	50,844	31,979	82,823	33,333	n/a	65.56%	0.00%
6/30/2020	n/a	44,880	31,792	76,672	24,468	n/a	54.52%	0.00%
6/30/2019	n/a	41,097	31,758	72,855	24,468	n/a	59.54%	0.00%
<u>Constitutional Officers</u>								
6/30/2023	n/a	\$ 26,038	\$ 13,685	\$ 39,723	\$ 9,767	n/a	37.51%	0.00%
6/30/2022	n/a	21,518	11,690	33,209	7,604	n/a	35.34%	0.00%
6/30/2021	n/a	20,571	12,670	33,241	6,669	n/a	32.42%	0.00%
6/30/2020	n/a	19,301	12,882	32,183	5,114	n/a	26.50%	0.00%
6/30/2019	n/a	18,551	13,016	31,567	4,479	n/a	24.14%	0.00%
<u>Social Service Employees</u>								
6/30/2023	n/a	\$ 11,405	\$ 3,756	\$ 15,161	\$ 5,145	n/a	45.11%	0.00%
6/30/2022	n/a	11,052	3,836	14,887	2,558	n/a	23.15%	0.00%
6/30/2021	n/a	10,468	4,365	14,833	2,345	n/a	22.40%	0.00%
6/30/2020	n/a	10,080	4,500	14,580	1,934	n/a	19.19%	0.00%
6/30/2019	n/a	10,056	4,576	14,632	2,273	n/a	22.60%	0.00%
<u>Registrars</u>								
6/30/2023	n/a	\$ 354	\$ 209	\$ 563	\$ 256	n/a	72.32%	0.00%
6/30/2022	n/a	339	209	547	203	n/a	59.88%	0.00%
6/30/2021	n/a	358	232	590	169	n/a	47.21%	0.00%
6/30/2020	n/a	346	230	576	126	n/a	36.42%	0.00%
6/30/2019	n/a	330	219	549	88	n/a	26.67%	0.00%

Solvency Test (Concluded)

Virginia Sickness and Disability Program (\$ in Thousands)

Valuation Date	Aggregate Accrued Liabilities for				Actuarial Value of Assets	Portion of Accrued Liabilities Covered by Actuarial Value of Assets		
	(1) Active Member Contributions	(2) Retirees, Survivors and Inactive Members	(3) Active Members (Employer Financed Portion)			(1)	(2)	(3)
			Total	Total				
6/30/2023	n/a	\$ 170,894	\$ 138,701	\$ 309,596	\$ 626,118	n/a	100.00%	328.20%
6/30/2022	n/a	163,999	131,429	295,428	586,619	n/a	100.00%	321.56%
6/30/2021	n/a	170,851	79,252	250,103	547,379	n/a	100.00%	475.10%
6/30/2020	n/a	171,585	77,284	248,869	505,236	n/a	100.00%	431.72%
6/30/2019	n/a	170,146	78,366	248,512	484,986	n/a	100.00%	401.76%

Virginia Local Disability Program (\$ in Thousands)

Valuation Date	Aggregate Accrued Liabilities for				Actuarial Value of Assets	Portion of Accrued Liabilities Covered by Actuarial Value of Assets		
	(1) Active Member Contributions	(2) Retirees, Survivors and Inactive Members	(3) Active Members (Employer Financed Portion)			(1)	(2)	(3)
			Total	Total				
Teachers								
6/30/2023	n/a	\$ 2,663	\$ 8,140	\$ 10,803	\$ 10,028	n/a	100.00%	90.47%
6/30/2022	n/a	2,465	6,511	8,976	7,287	n/a	100.00%	74.06%
6/30/2021	n/a	1,203	3,899	5,102	5,028	n/a	100.00%	98.10%
6/30/2020	n/a	639	2,694	3,333	2,973	n/a	100.00%	86.64%
6/30/2019	n/a	806	1,816	2,622	1,662	n/a	100.00%	47.14%
Political Subdivisions								
6/30/2023	n/a	\$ 4,463	\$ 5,185	\$ 9,648	\$ 11,138	n/a	100.00%	128.74%
6/30/2022	n/a	3,369	4,069	7,438	7,946	n/a	100.00%	112.48%
6/30/2021	n/a	2,641	2,364	5,005	5,604	n/a	100.00%	125.34%
6/30/2020	n/a	1,841	1,911	3,752	3,425	n/a	100.00%	82.89%
6/30/2019	n/a	1,511	1,306	2,817	1,971	n/a	100.00%	35.22%



SECTION C

FUND ASSETS

For HIC – Political Subdivisions, HIC – Constitutional Officers, HIC – Social Service Employees, and HIC – Registrars, the actuarial value of assets equals the market value of assets.

For all other OPEB Plans, the actuarial value of assets smooths market value fluctuations by phasing-in investment returns above or below the 6.75% assumption over five years. This smoothed value is subject to a corridor that restricts the actuarial value of assets from being more than 120% or less than 80% of the market value of assets.

The reconciliation of assets, development of actuarial value of assets, and calculation of excess (shortfall) investment income for the valuation are shown on the following pages.

Market Value of Assets and Actuarial Value of Assets

Market Value (\$ in Thousands)

OPEB Plan	June 30, 2023	June 30, 2022
GLI	\$ 2,707,739	\$ 2,467,989
HIC - State Employees	280,617	224,575
HIC - Teachers	264,092	221,845
HIC - Political Subdivisions	40,002	35,541
HIC - Constitutional Officers	9,767	7,604
HIC - Social Service Employees	5,145	2,558
HIC - Registrars	256	203
VSDP	634,779	602,916
VLDP - Teachers	10,008	7,320
VLDP - Political Subdivisions	11,134	7,948
Total:	\$ 3,963,539	\$ 3,578,499

Actuarial Value (\$ in Thousands)

OPEB Plan	June 30, 2023	June 30, 2022
GLI	\$ 2,659,543	\$ 2,392,750
HIC - State Employees	282,761	224,132
HIC - Teachers	264,699	220,590
HIC - Political Subdivisions ¹	40,002	35,541
HIC - Constitutional Officers ¹	9,767	7,604
HIC - Social Service Employees ¹	5,145	2,558
HIC - Registrars ¹	256	203
VSDP	626,118	586,619
VLDP - Teachers	10,028	7,287
VLDP - Political Subdivisions	11,138	7,946
Total:	\$ 3,909,457	\$ 3,485,230

¹ Actuarial value of assets set equal to the market value of assets.

Market Value Asset Reconciliation

Group Life Insurance Program (\$ in Thousands)

Valuation Date	June 30, 2023	June 30, 2022
1. Market value of assets at beginning of year	\$ 2,467,989	\$ 2,413,074
Revenue for the year		
Contributions		
Member	188,773	174,318
Employer	130,480	148,102
Non-Employer Contributing Entities	7,093	0
Total contributions	\$ 326,346	\$ 322,420
Net investment income	173,481	(5,235)
Miscellaneous revenue	0	0
2. Total revenue	\$ 499,827	\$ 317,185
Expenditures for the year		
Benefit payments	256,548	258,997
Administrative expenses	1,268	1,184
Other expenses	2,261	2,089
3. Total expenditures	\$ 260,077	\$ 262,270
4. Change in net assets (2) - (3)	239,750	54,915
5. Market value of assets at end of year (1) + (4)	\$ 2,707,739	\$ 2,467,989

Market Value Asset Reconciliation

HIC - State Employees
(State, SPORS, JRS, VaLORS, ORP, and UVA)
(\$ in Thousands)

Valuation Date	June 30, 2023	June 30, 2022
1. Market value of assets at beginning of year	\$ 224,575	\$ 207,855
Adjustment to market value of assets at beginning of year	0	4
2. Adjusted market value of assets at beginning of year	224,575	207,859
Revenue for the year		
Contributions	92,376	85,325
Contributions - additional	27,159	8,523
Other revenue	0	0
Net investment income	14,169	(358)
3. Total revenue	\$ 133,704	\$ 93,489
Expenditures for the year		
Benefit payments	77,273	76,023
Administrative expenses	374	357
Other expenditures	15	393
4. Total expenditures	\$ 77,663	\$ 76,773
5. Change in net assets (3) - (4)	56,042	16,716
6. Market value of assets at end of year (2) + (5)	\$ 280,617	\$ 224,575

Market Value Asset Reconciliation

HIC - Teachers (\$ in Thousands)

Valuation Date	June 30, 2023	June 30, 2022
1. Market value of assets at beginning of year	\$ 221,845	\$ 194,210
Adjustment to market value of assets at beginning of year	0	94
2. Adjusted market value of assets at beginning of year	221,845	194,304
Revenue for the year		
Contributions	120,623	112,832
Contributions - non-employer contributing entity	4,004	12,013
Other revenue	0	0
Net investment income	14,643	(919)
3. Total revenue	\$ 139,271	\$ 123,927
Expenditures for the year		
Benefit payments	96,645	95,288
Administrative expenses	359	334
Other expenditures	20	764
4. Total expenditures	\$ 97,024	\$ 96,386
5. Change in net assets (3) - (4)	42,247	27,540
6. Market value of assets at end of year (2) + (5)	\$ 264,092	\$ 221,845

Market Value Asset Reconciliation

HIC - Political Subdivisions (\$ in Thousands)

Valuation Date	June 30, 2023	June 30, 2022
1. Market value of assets at beginning of year	\$ 35,541	\$ 33,333
Adjustment to market value of assets at beginning of year	(0)	(98)
2. Adjusted market value of assets at beginning of year	35,541	33,235
Revenue for the year		
Contributions	6,752	5,683
Other revenue	(168)	1,142
Net investment income	2,235	3
3. Total revenue	\$ 8,819	\$ 6,828
Expenditures for the year		
Benefit payments	4,303	4,460
Administrative expenses	55	62
Other expenditures	0	0
4. Total expenditures	\$ 4,358	\$ 4,522
5. Change in net assets (3) - (4)	4,461	2,306
6. Market value of assets at end of year (2) + (5)	\$ 40,002	\$ 35,541

Market Value Asset Reconciliation

HIC - Constitutional Officers (\$ in Thousands)

Valuation Date	June 30, 2023	June 30, 2022
1. Market value of assets at beginning of year	\$ 7,604	\$ 6,669
Revenue for the year		
Contributions	3,101	2,836
Contributions - additional	92	276
Other revenue	138	0
Net investment income	925	(28)
2. Total revenue	\$ 4,257	\$ 3,084
Expenditures for the year		
Benefit payments	2,069	2,121
Administrative expenses	24	27
Other expenditures	0	0
3. Total expenditures	\$ 2,093	\$ 2,149
4. Change in net assets (2) - (3)	2,163	935
5. Market value of assets at end of year (1) + (4)	\$ 9,767	\$ 7,604

Market Value Asset Reconciliation

HIC - Social Service Employees (\$ in Thousands)

Valuation Date	June 30, 2023	June 30, 2022
1. Market value of assets at beginning of year	\$ 2,558	\$ 2,345
Revenue for the year		
Contributions	1,876	1,212
Contributions - additional	1,031	122
Other revenue	30	0
Net investment income	743	(4)
2. Total revenue	\$ 3,680	\$ 1,330
Expenditures for the year		
Benefit payments	1,074	1,113
Administrative expenses	20	4
Other expenditures	0	0
3. Total expenditures	\$ 1,094	\$ 1,117
4. Change in net assets (2) - (3)	2,587	213
5. Market value of assets at end of year (1) + (4)	\$ 5,145	\$ 2,558

Market Value Asset Reconciliation

HIC - Registrars (\$ in Thousands)

Valuation Date	June 30, 2023	June 30, 2022
1. Market value of assets at beginning of year	\$ 203	\$ 169
Revenue for the year		
Contributions	64	68
Contributions - additional	2	6
Other revenue	1	0
Net investment income	25	(1)
2. Total revenue	\$ 91	\$ 73
Expenditures for the year		
Benefit payments	37	38
Administrative expenses	1	1
Other expenditures	0	0
3. Total expenditures	\$ 38	\$ 39
4. Change in net assets (2) - (3)	53	34
5. Market value of assets at end of year (1) + (4)	\$ 256	\$ 203

Market Value Asset Reconciliation

VSDP
(\$ in Thousands)

Valuation Date - June 30, 2023	LTD	LTC	Total
1. Market value of assets at beginning of year	\$ 490,113	\$ 112,803	\$ 602,916
Revenue for the year			
Contributions	30,117	2,158	32,276
Other revenue	(162)	(37)	(199)
Net investment income	31,652	7,285	38,937
2. Total revenue	\$ 61,607	\$ 9,406	\$ 71,013
Expenditures for the year			
Benefit payments	30,516	488	31,004
Third-party administrator charges	6,448	902	7,350
Administrative expenses	647	149	797
3. Total expenditures	\$ 37,611	\$ 1,540	\$ 39,151
4. Change in net assets (2) - (3)	23,996	7,866	31,863
5. Market value of assets at end of year (1) + (4)	\$ 514,110	\$ 120,669	\$ 634,779

Valuation Date - June 30, 2022	LTD	LTC	Total
1. Market value of assets at beginning of year	\$ 499,417	\$ 112,502	\$ 611,919
Revenue for the year			
Contributions	27,322	1,724	29,046
Other revenue	(154)	(35)	(188)
Net investment income	(413)	(93)	(506)
2. Total revenue	\$ 26,756	\$ 1,597	\$ 28,353
Expenditures for the year			
Benefit payments	29,327	298	29,625
Third-party administrator charges	6,338	908	7,247
Administrative expenses	395	89	483
3. Total expenditures	\$ 36,060	\$ 1,296	\$ 37,355
4. Change in net assets (2) - (3)	(9,304)	301	(9,002)
5. Market value of assets at end of year (1) + (4)	\$ 490,113	\$ 112,803	\$ 602,916



Market Value Asset Reconciliation

VLDP
(\$ in Thousands)

Valuation Date - June 30, 2023	Teachers	Political Subdivisions
1. Market value of assets at beginning of year	\$ 7,320	\$ 7,948
Revenue for the year		
Contributions	4,387	5,200
Other revenue	0	0
Net investment income	547	649
2. Total revenue	\$ 4,935	\$ 5,849
Expenditures for the year		
Benefit payments	959	1,136
Third-party administrator charges	1,176	1,394
Administrative expenses	112	133
3. Total expenditures	\$ 2,247	\$ 2,663
4. Change in net assets (2) - (3)	2,688	3,186
5. Market value of assets at end of year (1) + (4)	\$ 10,008	\$ 11,134

Valuation Date - June 30, 2022	Teachers	Political Subdivisions
1. Market value of assets at beginning of year	\$ 5,588	\$ 6,168
Revenue for the year		
Contributions	3,782	3,888
Other revenue	0	0
Net investment income	(55)	(57)
2. Total revenue	\$ 3,727	\$ 3,832
Expenditures for the year		
Benefit payments	788	810
Third-party administrator charges	1,115	1,146
Administrative expenses	92	94
3. Total expenditures	\$ 1,996	\$ 2,051
4. Change in net assets (2) - (3)	1,732	1,780
5. Market value of assets at end of year (1) + (4)	\$ 7,320	\$ 7,948



Development of the Actuarial Value of Assets Group Life Insurance Program

Year Ended June 30:	2023	2024	2025	2026	2027
A. Valuation Assets Beginning of Year	\$2,392,750,079				
B. Market Value End of Year	2,707,738,599				
C1. Market Value Beginning of Year	2,467,988,880				
C2. Adjustment to Market Value Beginning of Year	0				
D. Non-Investment Net Cash Flow	66,268,736				
E. Investment Income					
E1. Market Total: B - C1 - C2 - D	\$173,480,983				
E2. Assumed Rate of Investment Return	6.75%				
E3. Amount for Immediate Recognition	\$168,825,819				
E4. Amount for Phased-In Recognition: E1 - E3	4,655,164				
F. Phased-In Recognition of Investment Income					
F1. Current Year: 0.2 x E4	\$931,033				
F2. First Prior Year	(34,029,550)	\$931,033			
F3. Second Prior Year	81,741,000	(34,029,550)	\$931,033		
F4. Third Prior Year	(16,922,000)	81,741,000	(34,029,550)	\$931,033	
F5. Fourth Prior Year	(22,000)	(16,922,000)	81,741,000	(34,029,549)	\$931,032
F6. Total Phased-In Recognition	\$31,698,483	\$31,720,483	\$48,642,483	\$(33,098,516)	\$931,032
G. Preliminary Valuation Assets End of Year: A + C2 + D + E3 + F6	\$2,659,543,117				
G1. 120% of Market Value End of Year	3,249,286,319				
G2. 80% of Market Value End of Year	2,166,190,879				
G3. Valuation Assets End of Year (G, but not more than G1 or less than G2)	\$2,659,543,117				
H. Difference between Market & Valuation Assets: B - G3	\$48,195,482	\$16,474,999	\$(32,167,484)	\$931,032	\$0



Development of the Actuarial Value of Assets HIC – State Employees

Year Ended June 30:	2023	2024	2025	2026	2027
A. Valuation Assets Beginning of Year	\$224,132,041				
B. Market Value End of Year	280,616,736				
C1. Market Value Beginning of Year	224,575,079				
C2. Adjustment to Market Value Beginning of Year	0				
D. Non-Investment Net Cash Flow	41,872,581				
E. Investment Income					
E1. Market Total: B - C1 - C2 - D	\$14,169,076				
E2. Assumed Rate of Investment Return	6.75%				
E3. Amount for Immediate Recognition	\$16,572,017				
E4. Amount for Phased-In Recognition: E1 - E3	(2,402,941)				
F. Phased-In Recognition of Investment Income					
F1. Current Year: 0.2 x E4	\$(480,588)				
F2. First Prior Year	(2,992,991)	\$(480,588)			
F3. Second Prior Year	4,944,000	(2,992,991)	\$(480,588)		
F4. Third Prior Year	(1,131,000)	4,944,000	(2,992,991)	\$(480,588)	
F5. Fourth Prior Year	(155,000)	(1,131,000)	4,944,000	(2,992,989)	\$(480,589)
F6. Total Phased-In Recognition	\$184,421	\$339,421	\$1,470,421	\$(3,473,577)	\$(480,589)
G. Preliminary Valuation Assets End of Year: A + C2 + D + E3 + F6	\$282,761,060				
G1. 120% of Market Value End of Year	336,740,083				
G2. 80% of Market Value End of Year	224,493,389				
G3. Valuation Assets End of Year (G, but not more than G1 or less than G2)	\$282,761,060				
H. Difference between Market & Valuation Assets: B - G3	\$(2,144,324)	\$(2,483,745)	\$(3,954,166)	\$(480,589)	\$0



Development of the Actuarial Value of Assets HIC – Teachers

Year Ended June 30:	2023	2024	2025	2026	2027
A. Valuation Assets Beginning of Year	\$220,590,361				
B. Market Value End of Year	264,091,524				
C1. Market Value Beginning of Year	221,844,577				
C2. Adjustment to Market Value Beginning of Year	0				
D. Non-Investment Net Cash Flow	27,604,013				
E. Investment Income					
E1. Market Total: B - C1 - C2 - D	\$14,642,934				
E2. Assumed Rate of Investment Return	6.75%				
E3. Amount for Immediate Recognition	\$15,906,144				
E4. Amount for Phased-In Recognition: E1 - E3	(1,263,210)				
F. Phased-In Recognition of Investment Income					
F1. Current Year: 0.2 x E4	\$(252,642)				
F2. First Prior Year	(2,998,946)	\$(252,642)			
F3. Second Prior Year	5,385,000	(2,998,946)	\$(252,642)		
F4. Third Prior Year	(1,370,000)	5,385,000	(2,998,946)	\$(252,642)	
F5. Fourth Prior Year	(165,000)	(1,370,000)	5,385,000	(2,998,946)	\$(252,642)
F6. Total Phased-In Recognition	\$598,412	\$763,412	\$2,133,412	\$(3,251,588)	\$(252,642)
G. Preliminary Valuation Assets End of Year: A + C2 + D + E3 + F6	\$264,698,930				
G1. 120% of Market Value End of Year	316,909,829				
G2. 80% of Market Value End of Year	211,273,219				
G3. Valuation Assets End of Year (G, but not more than G1 or less than G2)	\$264,698,930				
H. Difference between Market & Valuation Assets: B - G3	\$(607,406)	\$(1,370,818)	\$(3,504,230)	\$(252,642)	\$0



Development of the Actuarial Value of Assets

VSDP – Long-Term Disability

Year Ended June 30:	2023	2024	2025	2026	2027
A. Valuation Assets Beginning of Year	\$476,466,779				
B. Market Value End of Year	514,109,584				
C1. Market Value Beginning of Year	490,113,181				
C2. Adjustment to Market Value Beginning of Year	0				
D. Non-Investment Net Cash Flow	(7,655,184)				
E. Investment Income					
E1. Market Total: B - C1 - C2 - D	\$31,651,587				
E2. Assumed Rate of Investment Return	6.75%				
E3. Amount for Immediate Recognition	\$32,824,277				
E4. Amount for Phased-In Recognition: E1 - E3	(1,172,690)				
F. Phased-In Recognition of Investment Income					
F1. Current Year: 0.2 x E4	\$(234,538)				
F2. First Prior Year	(6,764,650)	\$(234,538)			
F3. Second Prior Year	16,210,000	(6,764,650)	\$(234,538)		
F4. Third Prior Year	(3,823,000)	16,210,000	(6,764,650)	\$(234,538)	
F5. Fourth Prior Year	(279,000)	(3,823,000)	16,210,000	(6,764,648)	\$(234,538)
F6. Total Phased-In Recognition	\$5,108,812	\$5,387,812	\$9,210,812	\$(6,999,186)	\$(234,538)
G. Preliminary Valuation Assets End of Year: A + C2 + D + E3 + F6	\$506,744,684				
G1. 120% of Market Value End of Year	616,931,501				
G2. 80% of Market Value End of Year	411,287,667				
G3. Valuation Assets End of Year (G, but not more than G1 or less than G2)	\$506,744,684				
H. Difference between Market & Valuation Assets: B - G3	\$7,364,900	\$1,977,088	\$(7,233,724)	\$(234,538)	\$0



Development of the Actuarial Value of Assets VSDP – Long-Term Care

Year Ended June 30:	2023	2024	2025	2026	2027
A. Valuation Assets Beginning of Year	\$110,151,841				
B. Market Value End of Year	120,669,166				
C1. Market Value Beginning of Year	112,802,721				
C2. Adjustment to Market Value Beginning of Year	0				
D. Non-Investment Net Cash Flow	581,402				
E. Investment Income					
E1. Market Total: B - C1 - C2 - D	\$7,285,043				
E2. Assumed Rate of Investment Return	6.75%				
E3. Amount for Immediate Recognition	\$7,633,806				
E4. Amount for Phased-In Recognition: E1 - E3	(348,763)				
F. Phased-In Recognition of Investment Income					
F1. Current Year: 0.2 x E4	\$(69,753)				
F2. First Prior Year	(1,540,030)	\$(69,753)			
F3. Second Prior Year	3,512,000	(1,540,030)	\$(69,753)		
F4. Third Prior Year	(829,000)	3,512,000	(1,540,030)	\$(69,753)	
F5. Fourth Prior Year	(67,000)	(829,000)	3,512,000	(1,540,030)	\$(69,751)
F6. Total Phased-In Recognition	\$1,006,217	\$1,073,217	\$1,902,217	\$(1,609,783)	\$(69,751)
G. Preliminary Valuation Assets End of Year: A + C2 + D + E3 + F6	\$119,373,266				
G1. 120% of Market Value End of Year	144,802,999				
G2. 80% of Market Value End of Year	96,535,333				
G3. Valuation Assets End of Year (G, but not more than G1 or less than G2)	\$119,373,266				
H. Difference between Market & Valuation Assets: B - G3	\$1,295,900	\$222,683	\$(1,679,534)	\$(69,751)	\$0



Development of the Actuarial Value of Assets VLDP – Teachers

Year Ended June 30:	2023	2024	2025	2026	2027
A. Valuation Assets Beginning of Year	\$7,287,361				
B. Market Value End of Year	10,007,821				
C1. Market Value Beginning of Year	7,320,131				
C2. Adjustment to Market Value Beginning of Year	0				
D. Non-Investment Net Cash Flow	2,140,221				
E. Investment Income					
E1. Market Total: B - C1 - C2 - D	\$547,469				
E2. Assumed Rate of Investment Return	6.75%				
E3. Amount for Immediate Recognition	\$566,341				
E4. Amount for Phased-In Recognition: E1 - E3	(18,872)				
F. Phased-In Recognition of Investment Income					
F1. Current Year: 0.2 x E4	\$(3,774)				
F2. First Prior Year	(98,558)	\$(3,774)			
F3. Second Prior Year	156,000	(98,558)	\$(3,774)		
F4. Third Prior Year	(21,000)	156,000	(98,558)	\$(3,774)	
F5. Fourth Prior Year	1,000	(21,000)	156,000	(98,556)	\$(3,776)
F6. Total Phased-In Recognition	\$33,668	\$32,668	\$53,668	\$(102,330)	\$(3,776)
G. Preliminary Valuation Assets End of Year: A + C2 + D + E3 + F6	\$10,027,591				
G1. 120% of Market Value End of Year	12,009,385				
G2. 80% of Market Value End of Year	8,006,257				
G3. Valuation Assets End of Year (G, but not more than G1 or less than G2)	\$10,027,591				
H. Difference between Market & Valuation Assets: B - G3	\$(19,770)	\$(52,438)	\$(106,106)	\$(3,776)	\$0



Development of the Actuarial Value of Assets VLDP – Political Subdivisions

Year Ended June 30:	2023	2024	2025	2026	2027
A. Valuation Assets Beginning of Year	\$7,945,841				
B. Market Value End of Year	11,133,507				
C1. Market Value Beginning of Year	7,947,748				
C2. Adjustment to Market Value Beginning of Year	0				
D. Non-Investment Net Cash Flow	2,536,835				
E. Investment Income					
E1. Market Total: B - C1 - C2 - D	\$648,924				
E2. Assumed Rate of Investment Return	6.75%				
E3. Amount for Immediate Recognition	\$622,091				
E4. Amount for Phased-In Recognition: E1 - E3	26,833				
F. Phased-In Recognition of Investment Income					
F1. Current Year: 0.2 x E4	\$5,367				
F2. First Prior Year	(107,023)	\$5,367			
F3. Second Prior Year	160,000	(107,023)	\$5,367		
F4. Third Prior Year	(25,000)	160,000	(107,023)	\$5,367	
F5. Fourth Prior Year	0	(25,000)	160,000	(107,024)	\$5,365
F6. Total Phased-In Recognition	\$33,344	\$33,344	\$58,344	\$(101,657)	\$5,365
G. Preliminary Valuation Assets End of Year: A + C2 + D + E3 + F6	\$11,138,111				
G1. 120% of Market Value End of Year	13,360,208				
G2. 80% of Market Value End of Year	8,906,806				
G3. Valuation Assets End of Year (G, but not more than G1 or less than G2)	\$11,138,111				
H. Difference between Market & Valuation Assets: B - G3	\$(4,604)	\$(37,948)	\$(96,292)	\$5,365	\$0



SECTION D

CENSUS DATA

Membership Data

Active Membership Data June 30, 2023

OPEB Plan	Number	Covered Payroll ¹ (\$ in Thousands)	Average Age (Years)	Average Service (Years)
GLI	369,044	\$ 24,588,850	45.8	11.2
HIC - State Employees	111,811	8,706,942	46.4	11.1
HIC - Teachers	153,109	10,134,828	45.1	11.8
HIC - Political Subdivisions	37,917	1,880,359	49.0	9.7
HIC - Constitutional Officers	13,859	895,098	42.8	11.1
HIC - Social Service Employees	6,338	362,970	44.6	9.3
HIC - Registrars	296	20,537	49.7	10.6
VSDP	80,500	5,527,273	45.8	9.5
VLDP - Teachers	17,843	900,790	39.7	4.0
VLDP - Political Subdivisions	14,775	689,505	44.1	3.1

¹ Payroll for Teachers includes an assumed pay increase on the valuation date.

Historical Active Membership Data

Group Life Insurance Program

Valuation Date	Number	Annual Payroll (\$ in Thousands)	Annual Average Pay	% Change in Average Pay
6/30/2023	369,044	\$ 24,588,850	\$ 66,629	5.50%
6/30/2022	362,386	22,887,363	63,157	7.67%
6/30/2021	358,905	21,052,089	58,656	3.60%
6/30/2020	361,306	20,456,977	56,620	1.55%
6/30/2019	367,627	20,498,084	55,758	3.69%

Health Insurance Credit Program

Valuation Date	Number	Annual Payroll (\$ in Thousands)	Annual Average Pay	% Change in Average Pay
State Employees				
6/30/2023	111,811	\$ 8,706,942	\$ 77,872	5.23%
6/30/2022	107,975	7,990,179	74,000	7.90%
6/30/2021	108,528	7,442,699	68,579	5.26%
6/30/2020	110,834	7,221,134	65,153	0.87%
6/30/2019	106,948	6,907,506	64,588	4.37%
Teachers¹				
6/30/2023	153,109	\$ 10,134,828	\$ 66,194	4.51%
6/30/2022	153,356	9,713,588	63,340	5.76%
6/30/2021	149,793	8,971,605	59,893	1.27%
6/30/2020	150,681	8,911,307	59,140	2.63%
6/30/2019	149,396	8,608,489	57,622	3.01%

¹ Payroll for Teachers includes an assumed pay increase on the valuation date.

Historical Active Membership Data

Health Insurance Credit Program

Valuation Date	Number	Annual Payroll (\$ in Thousands)	Annual Average Pay	% Change in Average Pay
Political Subdivisions				
6/30/2023	37,917	\$ 1,880,359	\$ 49,591	8.15%
6/30/2022	36,427	1,670,364	45,855	10.79%
6/30/2021	36,426	1,507,656	41,390	4.02%
6/30/2020	37,398	1,488,073	39,790	2.87%
6/30/2019	37,448	1,440,731	38,679	(14.99)%
Constitutional Officers				
6/30/2023	13,859	\$ 895,098	\$ 64,586	6.51%
6/30/2022	13,578	823,323	60,637	8.95%
6/30/2021	13,435	747,716	55,654	3.19%
6/30/2020	13,608	733,934	53,934	2.74%
6/30/2019	13,302	698,316	52,497	3.78%
Social Service Employees				
6/30/2023	6,338	\$ 362,970	\$ 57,269	6.66%
6/30/2022	6,199	332,846	53,693	8.46%
6/30/2021	6,147	304,315	49,506	2.79%
6/30/2020	6,307	303,771	48,164	1.95%
6/30/2019	6,048	285,738	47,445	3.31%
Registrars				
6/30/2023	296	\$ 20,537	\$ 69,380	4.79%
6/30/2022	274	18,141	66,208	18.21%
6/30/2021	265	14,843	56,011	9.77%
6/30/2020	254	12,961	51,028	(0.37)%
6/30/2019	232	11,882	51,216	4.02%

Historical Active Membership Data

Virginia Sickness and Disability Program

Valuation Date	Number	Annual Payroll (\$ in Thousands)	Annual Average Pay	% Change in Average Pay
6/30/2023	80,500	\$ 5,527,273	\$ 68,662	5.89%
6/30/2022	75,692	4,907,916	64,841	8.44%
6/30/2021	76,529	4,576,046	59,795	6.21%
6/30/2020	77,848	4,382,943	56,301	(0.07)%
6/30/2019	79,105	4,456,996	56,343	6.06%

Virginia Local Disability Program

Valuation Date	Number	Annual Payroll (\$ in Thousands)	Annual Average Pay	% Change in Average Pay
Teachers¹				
6/30/2023	17,843	\$ 900,790	\$ 50,484	4.57%
6/30/2022	16,592	801,003	48,276	7.57%
6/30/2021	14,312	642,284	44,877	2.32%
6/30/2020	13,027	571,356	43,859	4.61%
6/30/2019	11,047	463,174	41,928	3.57%
Political Subdivisions				
6/30/2023	14,775	\$ 689,505	\$ 46,667	7.36%
6/30/2022	12,374	537,869	43,468	13.17%
6/30/2021	11,017	423,151	38,409	4.38%
6/30/2020	10,672	392,684	36,796	3.04%
6/30/2019	9,447	337,363	35,711	5.42%

¹ Payroll for Teachers includes an assumed pay increase on the valuation date.



Historical Retiree and Beneficiary Membership Data

Group Life Insurance Program¹

Valuation Date	Number on Rolls at the End of the Year	Life Insurance Amount (\$1,000s)	Increase in Life Insurance Amount	Average Life Insurance Amount	Increase in Average Life Insurance Amount
6/30/2023	213,984	\$ 9,800,051	4.63%	\$ 45,798	2.82%
6/30/2022	210,288	9,366,554	4.98%	44,542	2.97%
6/30/2021	206,253	8,922,190	5.91%	43,258	7.14%
6/30/2020	208,644	8,424,026	8.54%	40,375	(0.11)%
6/30/2019	192,021	7,761,298	5.53%	40,419	2.01%

Health Insurance Credit Program²

Valuation Date	Number on Rolls at the End of the Year	Health Insurance Credit ³ (\$1,000s)	Increase in Health Insurance Credit	Average Health Insurance Credit	Increase in Average Health Insurance Credit
State Employees⁴					
6/30/2023	58,329	\$ 81,221	7.23%	\$ 1,392	7.74%
6/30/2022	58,621	75,746	n/a	1,292	n/a
6/30/2021	52,583	77,657	0.15%	1,477	(1.20)%
6/30/2020	51,873	77,538	1.87%	1,495	0.34%
6/30/2019	51,078	76,112	14.36%	1,490	0.13%
Teachers					
6/30/2023	76,878	\$ 96,107	0.95%	\$ 1,250	(0.16)%
6/30/2022	76,012	95,201	n/a	1,252	n/a
6/30/2021	71,572	98,057	2.52%	1,370	(0.15)%
6/30/2020	69,698	95,647	1.29%	1,372	0.00%
6/30/2019	68,801	94,426	3.42%	1,372	(0.36)%

¹ This schedule does not include life insurance benefits payable upon the death of an active member.

² Excludes eligible deferred vested members.

³ Valuations prior to 2022 represent the maximum health insurance credit available for the retiree and beneficiary membership. Due to the change in methodology, no increase percentages are included for the 2022 valuation.

⁴ State Employees include State, SPORS, JRS, VaLORS, ORP and UVA.

Historical Retiree and Beneficiary Membership Data

Health Insurance Credit Program¹

Valuation Date	Number on Rolls at the End of the Year	Health Insurance Credit ² (\$1,000s)	Increase in Health Insurance Credit	Average Health Insurance Credit	Increase in Average Health Insurance Credit
Political Subdivisions					
6/30/2023	11,524	\$ 4,201	3.78%	\$ 365	(0.54)%
6/30/2022	11,021	4,048	n/a	367	n/a
6/30/2021	11,639	5,593	7.43%	481	4.11%
6/30/2020	11,265	5,206	4.35%	462	0.87%
6/30/2019	10,899	4,989	98.37%	458	(6.91)%
Constitutional Officers					
6/30/2023	4,533	\$ 2,262	19.05%	\$ 499	16.05%
6/30/2022	4,414	1,900	n/a	430	n/a
6/30/2021	4,186	2,138	4.34%	511	0.20%
6/30/2020	4,015	2,049	3.54%	510	(0.39)%
6/30/2019	3,869	1,979	5.94%	512	0.79%
Social Service Employees					
6/30/2023	2,406	\$ 1,054	0.67%	\$ 438	(0.45)%
6/30/2022	2,377	1,047	n/a	440	n/a
6/30/2021	2,220	1,118	2.10%	504	(0.40)%
6/30/2020	2,165	1,095	0.83%	506	(0.39)%
6/30/2019	2,138	1,086	2.94%	508	0.40%
Registrars					
6/30/2023	80	\$ 34	(2.86)%	\$ 431	(0.23)%
6/30/2022	80	35	n/a	432	n/a
6/30/2021	75	38	(2.56)%	507	(5.06)%
6/30/2020	73	39	8.33%	534	2.30%
6/30/2019	69	36	2.86%	522	0.00%

¹ Excludes eligible deferred vested members.

² Valuations prior to 2022 represent the maximum health insurance credit available for the retiree and beneficiary membership. Due to the change in methodology, no increase percentages are included for the 2022 valuation.

Historical Retiree and Beneficiary Membership Data

Virginia Sickness and Disability Program

Valuation Date	Number on Rolls at the End of the Year	Annualized LTD Payments (\$1,000s)	Increase in Annualized LTD Payments	Average Annualized LTD Payments	Increase in Average Annualized LTD Payments
6/30/2023	2,279	\$ 34,366	5.29%	\$ 15,079	8.38%
6/30/2022	2,346	32,640	8.38%	13,913	9.03%
6/30/2021	2,360	30,117	(1.35)%	12,761	2.33%
6/30/2020	2,448	30,530	(0.63)%	12,471	3.10%
6/30/2019	2,540	30,723	(4.59)%	12,096	(0.35)%

Virginia Local Disability Program

Valuation Date	Number on Rolls at the End of the Year	Annualized LTD Payments (\$1,000s)	Increase in Annualized LTD Payments	Average Annualized LTD Payments	Increase in Average Annualized LTD Payments
Teachers					
6/30/2023	37	\$ 755	11.03%	\$ 20,405	17.03%
6/30/2022	39	680	226.92%	17,436	34.12%
6/30/2021	16	208	188.89%	13,000	62.50%
6/30/2020	9	72	0.00%	8,000	(22.22)%
6/30/2019	7	72	(4.00)%	10,286	(17.71)%
Political Subdivisions					
6/30/2023	98	\$ 1,377	17.99%	\$ 14,051	4.75%
6/30/2022	87	1,167	73.66%	13,414	7.79%
6/30/2021	54	672	156.49%	12,444	70.98%
6/30/2020	36	262	(14.66)%	7,278	(33.62)%
6/30/2019	28	307	(1.92)%	10,964	(12.43)%