



Virginia
Retirement
System

**VIRGINIA RETIREMENT SYSTEM
GROUP LIFE INSURANCE PLAN**

GASB No. 75 Schedules

With Independent Auditor's Report Thereon

For the Plan Year Ended June 30, 2018

Table of Contents

| | |
|--|----|
| Independent Auditor’s Report | 3 |
| VRS Group Life Insurance Plan – Schedule of Employer Allocations | 5 |
| VRS Group Life Insurance Plan – Schedule of Net GLI OPEB Liability and Total GLI OPEB Expense | 26 |
| VRS Group Life Insurance Plan – Schedule of Deferred Outflows and Deferred Inflows of Resources by Employer | 48 |
| VRS Group Life Insurance Plan – Notes to GASB No. 75 Schedules | 89 |



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July 26, 2019

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

INDEPENDENT AUDITOR'S REPORT

Report on the Schedules

We have audited the accompanying schedule of employer allocations of the Virginia Retirement System Group Life Insurance (GLI) Plan, as of and for the year ended June 30, 2018, and the related notes. We have also audited the total for all employers of the columns titled net GLI OPEB liability, total GLI OPEB expense, total deferred outflows of resources, and total deferred inflows of resources (specified column totals) included in the accompanying schedule of net GLI OPEB liability and total GLI OPEB expense and the schedule of deferred outflows and deferred inflows of resources by employer of the Virginia Retirement System Group Life Insurance Plan, as of and for the year ended June 30, 2018, and the related notes.

Management's Responsibility for the Schedule

The Virginia Retirement System's management is responsible for the preparation and fair presentation of these schedules in accordance with accounting principles generally accepted in the United States of America; this includes the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of the schedules that are free from material misstatement, whether due to fraud or error.

Auditor's Responsibility

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

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

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

Opinions

In our opinion, the schedules referred to above present fairly, in all material respects, the employer allocations and the net GLI OPEB liability, total GLI OPEB expense, total deferred outflows of resources, and total deferred inflows of resources for the total of all participating employers for the Virginia Retirement System Group Life Insurance Plan as of and for the year ended June 30, 2018, in accordance with accounting principles generally accepted in the United States of America.

Other Matter

We have audited, in accordance with auditing standards generally accepted in the United States of America and the standards applicable to financial audits contained in Government Auditing Standards, issued by the Comptroller General of the United States, the financial statements of the Virginia Retirement System as of and for the year ended June 30, 2018, and our report thereon, dated December 14, 2018, expressed an unmodified opinion on those financial statements.

Restriction on Use

Our report is intended solely for the information and use of the Virginia Retirement System management, the Virginia Retirement System Board of Trustees, the Commonwealth Joint Legislative Audit and Review Commission, and the Virginia Retirement System Group Life Insurance Plan employers and their auditors, and is not intended to be and should not be used by anyone other than these specified parties.

AUDITOR OF PUBLIC ACCOUNTS

ZLB/vks

**Virginia Retirement System
VRS Group Life Insurance Plan
Schedule of Employer Allocations
For the Plan Year Ended and Measurement Date of June 30, 2018**

| Employer Code | Employer | Employer Contributions | Employer Allocation Percentage |
|------------------|--|---------------------------|-----------------------------------|
| State: | | | |
| 1XXXX | Judicial Retirement System Employees | \$ 355,067 | 0.35909% |
| 2XXXX | State Police Officers Retirement System Employees | 646,379 | 0.65372% |
| 35885 | Fort Monroe Federal Area Development Authority | 8,163 | 0.00825% |
| 3XXXX | All Other State Agencies | 27,382,503 | 27.69359% |
| 7XXXX | Virginia Law Officers' Retirement System Employees | 1,802,890 | 1.82337% |
| | Sub-total State | \$ 30,195,002 | 30.53802% |
| Teachers: | | | |
| 40100 | Accomack County School Board | \$ 145,861 | 0.14752% |
| 40101 | Albemarle County Schools | 476,810 | 0.48223% |
| 40102 | Alleghany County School Board | 59,104 | 0.05978% |
| 40103 | Amelia County School Board | 44,044 | 0.04455% |
| 40104 | Amherst County School Board | 119,160 | 0.12051% |
| 40105 | Appomattox County School Board | 58,937 | 0.05960% |
| 40106 | Arlington Public Schools | 1,579,022 | 1.59696% |
| 40107 | Augusta County School Board | 300,073 | 0.30348% |
| 40108 | Bath County School Board | 23,937 | 0.02421% |
| 40109 | Bedford County School Board | 261,339 | 0.26431% |
| 40110 | Bland County School Board | 18,870 | 0.01909% |
| 40111 | Botetourt County Schools | 138,833 | 0.14041% |
| 40112 | Brunswick County Public Schools | 48,411 | 0.04896% |
| 40113 | Buchanan County School Board | 72,071 | 0.07289% |
| 40114 | Buckingham County School Board | 55,515 | 0.05615% |
| 40115 | Campbell County School Board | 199,479 | 0.20174% |
| 40116 | Caroline County School Board | 109,986 | 0.11123% |
| 40117 | Carroll County School Board | 111,077 | 0.11234% |
| 40118 | Charles City County School Board | 23,153 | 0.02342% |
| 40119 | Charlotte County School Board | 59,350 | 0.06002% |
| 40120 | Chesterfield County School Board | 1,579,618 | 1.59756% |
| 40121 | Clarke County School Board | 64,238 | 0.06497% |
| 40122 | Craig County School Board | 18,102 | 0.01831% |
| 40123 | Culpeper County School Board | 231,040 | 0.23366% |
| 40124 | Cumberland County School Board | 40,236 | 0.04069% |
| 40125 | Dickenson County School Board | 49,907 | 0.05047% |
| 40126 | Dinwiddie County School Board | 119,824 | 0.12119% |

Virginia Retirement System
VRS Group Life Insurance Plan
Schedule of Employer Allocations - continued
For the Plan Year Ended and Measurement Date of June 30, 2018

| Employer Code | Employer | Employer Contributions | Employer Allocation Percentage |
|------------------|------------------------------------|---------------------------|-----------------------------------|
| 40128 | Essex County Public Schools | 40,456 | 0.04092% |
| 40129 | Fairfax County School Board | 7,700,163 | 7.78762% |
| 40130 | Fauquier County School Board | 379,887 | 0.38420% |
| 40131 | Floyd County School Board | 55,389 | 0.05602% |
| 40132 | Fluvanna County Public Schools | 125,992 | 0.12742% |
| 40133 | Franklin County Public Schools | 224,350 | 0.22690% |
| 40134 | Frederick County School Board | 460,309 | 0.46554% |
| 40135 | Giles County Schools | 65,276 | 0.06602% |
| 40136 | Gloucester County School Board | 156,051 | 0.15783% |
| 40137 | Goochland County School Board | 80,246 | 0.08116% |
| 40138 | Grayson County School Board | 46,651 | 0.04718% |
| 40139 | Greene County Public Schools | 90,880 | 0.09191% |
| 40140 | Greensville County School Board | 67,985 | 0.06876% |
| 40141 | Halifax County School Board | 141,191 | 0.14280% |
| 40142 | Hanover County School Board | 528,335 | 0.53434% |
| 40143 | Henrico County School Board | 1,394,307 | 1.41015% |
| 40144 | Henry County Public Schools | 191,084 | 0.19325% |
| 40145 | Highland County Public Schools | 10,141 | 0.01026% |
| 40146 | Isle of Wight County Schools | 154,209 | 0.15596% |
| 40148 | King George County School Board | 119,167 | 0.12052% |
| 40149 | King & Queen County School Board | 24,025 | 0.02430% |
| 40150 | King William County School Board | 62,360 | 0.06307% |
| 40151 | Lancaster County Public Schools | 40,425 | 0.04088% |
| 40152 | Lee County School Board | 98,008 | 0.09912% |
| 40153 | Loudoun County School Board | 3,021,689 | 3.05602% |
| 40154 | Louisa County Public Schools | 148,934 | 0.15063% |
| 40155 | Lunenburg County School Board | 40,581 | 0.04104% |
| 40156 | Madison County School Board | 53,136 | 0.05374% |
| 40157 | Mathews County School Board | 33,525 | 0.03391% |
| 40158 | Mecklenburg County School Board | 119,391 | 0.12075% |
| 40159 | Middlesex County School Board | 40,591 | 0.04105% |
| 40160 | Montgomery County School Board | 268,183 | 0.27123% |
| 40162 | Nelson County Public Schools | 60,778 | 0.06147% |
| 40163 | New Kent County School Board | 85,595 | 0.08657% |
| 40165 | Northampton County Schools | 48,255 | 0.04880% |
| 40166 | Northumberland County School Board | 43,245 | 0.04373% |
| 40167 | Nottoway County School Board | 58,321 | 0.05898% |
| 40168 | Orange County Public Schools | 139,623 | 0.14121% |

Virginia Retirement System
VRS Group Life Insurance Plan
Schedule of Employer Allocations - continued
For the Plan Year Ended and Measurement Date of June 30, 2018

| Employer Code | Employer | Employer Contributions | Employer Allocation Percentage |
|------------------|------------------------------------|---------------------------|-----------------------------------|
| 40169 | Page County Public Schools | 95,758 | 0.09685% |
| 40170 | Patrick County School Board | 68,408 | 0.06919% |
| 40171 | Pittsylvania County School Board | 229,768 | 0.23238% |
| 40172 | Powhatan County School Board | 122,766 | 0.12416% |
| 40173 | Prince Edward County School Board | 62,728 | 0.06344% |
| 40174 | Prince George County School Board | 170,026 | 0.17196% |
| 40176 | Prince William County School Board | 2,835,342 | 2.86755% |
| 40177 | Pulaski County School Board | 113,007 | 0.11429% |
| 40178 | Rappahannock County School Board | 29,343 | 0.02967% |
| 40179 | Richmond County School Board | 34,310 | 0.03470% |
| 40180 | Roanoke County School Board | 400,860 | 0.40541% |
| 40181 | Rockbridge County School Board | 86,143 | 0.08712% |
| 40182 | Rockingham County School Board | 346,169 | 0.35010% |
| 40183 | Russell County School Board | 95,556 | 0.09664% |
| 40184 | Scott County School Board | 104,382 | 0.10557% |
| 40185 | Shenandoah County School Board | 181,505 | 0.18357% |
| 40186 | Smyth County School Board | 116,005 | 0.11732% |
| 40187 | Southampton County School Board | 68,336 | 0.06911% |
| 40188 | Spotsylvania County School Board | 657,806 | 0.66528% |
| 40189 | Stafford County School Board | 797,564 | 0.80662% |
| 40190 | Surry County Schools | 41,303 | 0.04177% |
| 40191 | Sussex County School Board | 41,136 | 0.04160% |
| 40192 | Tazewell County Schools | 134,252 | 0.13578% |
| 40193 | Warren County School Board | 155,126 | 0.15689% |
| 40195 | Washington County School Board | 183,431 | 0.18551% |
| 40196 | Westmoreland County School Board | 50,861 | 0.05144% |
| 40197 | Wise County School Board | 134,816 | 0.13635% |
| 40198 | Wythe County School Board | 107,944 | 0.10917% |
| 40199 | York County School Board | 353,658 | 0.35768% |
| 40200 | Alexandria City School Board | 784,175 | 0.79308% |
| 40201 | Bristol City School Board | 62,876 | 0.06359% |
| 40202 | Buena Vista City Schools | 27,208 | 0.02752% |
| 40203 | Charlottesville Public Schools | 202,506 | 0.20480% |
| 40205 | Danville City Schools | 163,879 | 0.16574% |
| 40206 | Fredericksburg City Schools | 120,947 | 0.12232% |
| 40207 | Hampton City Schools | 573,445 | 0.57996% |
| 40208 | Harrisonburg City School Board | 206,685 | 0.20903% |
| 40209 | Hopewell City School Board | 129,830 | 0.13131% |

**Virginia Retirement System
VRS Group Life Insurance Plan
Schedule of Employer Allocations - continued
For the Plan Year Ended and Measurement Date of June 30, 2018**

| Employer Code | Employer | Employer Contributions | Employer Allocation Percentage |
|------------------|---|---------------------------|-----------------------------------|
| 40210 | Lynchburg Public Schools | 291,719 | 0.29503% |
| 40211 | Newport News Public Schools | 842,164 | 0.85173% |
| 40212 | Norfolk Public Schools | 1,085,831 | 1.09817% |
| 40213 | Petersburg City Schools | 119,197 | 0.12055% |
| 40214 | Portsmouth School Board | 423,628 | 0.42844% |
| 40215 | Radford City School Board | 45,610 | 0.04613% |
| 40216 | Richmond Public Schools | 874,038 | 0.88397% |
| 40217 | Roanoke City School Board | 417,321 | 0.42206% |
| 40219 | Staunton City Schools | 89,929 | 0.09095% |
| 40220 | Suffolk City School Board | 400,608 | 0.40516% |
| 40222 | Winchester Public Schools | 154,030 | 0.15578% |
| 40223 | Martinsville City Schools | 60,720 | 0.06141% |
| 40224 | Falls Church Public Schools | 134,658 | 0.13619% |
| 40225 | Colonial Heights City Schools | 99,009 | 0.10013% |
| 40230 | Covington City School Board | 28,440 | 0.02876% |
| 40231 | Fairfax City School Board | 495 | 0.00050% |
| 40232 | Franklin City Public Schools | 36,898 | 0.03732% |
| 40233 | Chesapeake Public Schools | 1,208,848 | 1.22258% |
| 40234 | Virginia Beach City School Board | 2,131,438 | 2.15565% |
| 40236 | Manassas Park City Schools | 113,649 | 0.11494% |
| 40306 | Town of West Point School Board | 28,434 | 0.02876% |
| 40307 | Lexington City School Board | 14,956 | 0.01513% |
| 40308 | Waynesboro Public Schools | 94,068 | 0.09514% |
| 40309 | Town of Colonial Beach Schools | 18,904 | 0.01912% |
| 40313 | Galax City Schools | 37,106 | 0.03753% |
| 40314 | Norton City Schools | 18,573 | 0.01878% |
| 40332 | Manassas City Schools | 279,643 | 0.28282% |
| 40335 | City of Salem Schools | 117,279 | 0.11861% |
| 40402 | Williamsburg-James City County School Board | 359,241 | 0.36332% |
| 40403 | Poquoson City Public Schools | 60,073 | 0.06075% |
| 40410 | Valley Vocational Technical Center | 10,125 | 0.01024% |
| 40412 | Charlottesville/Albemarle Vo-Tech Center | 5,276 | 0.00534% |
| 40413 | The Pruden Center for Industry and Technology | — | —% |
| 40414 | Jackson River Technical Center | 3,155 | 0.00319% |
| 40415 | New Horizons Technical Center | 45,596 | 0.04611% |
| 40416 | Northern Neck Regional Vocational Center | 5,844 | 0.00591% |
| 40417 | Rowanty Vocational Technical Center | 3,575 | 0.00362% |
| 40418 | Amelia-Nottoway Vocational Center | 1,124 | 0.00114% |

Virginia Retirement System
VRS Group Life Insurance Plan
Schedule of Employer Allocations - continued
For the Plan Year Ended and Measurement Date of June 30, 2018

| Employer Code | Employer | Employer Contributions | Employer Allocation Percentage |
|------------------|---|---------------------------|-----------------------------------|
| 40421 | Northern Neck Regional Special Education Program | 4,552 | 0.00460% |
| 40423 | Maggie Walker Governor's School for Govt & Intl Studies | 23,379 | 0.02365% |
| 40424 | Appomattox Region Governor's School | 8,824 | 0.00892% |
| 40425 | Bridging Communities Regional Career and Tech Center | 2,811 | 0.00284% |
| | Sub-total Teachers | \$ 42,217,359 | 42.69695% |

Political Subdivisions:

| | | | |
|-------|---------------------|-----------|----------|
| 55100 | Accomack County | \$ 60,752 | 0.06144% |
| 55101 | Albemarle County | 214,960 | 0.21740% |
| 55102 | Alleghany County | 40,691 | 0.04115% |
| 55103 | Amelia County | 21,894 | 0.02214% |
| 55104 | Amherst County | 45,069 | 0.04558% |
| 55105 | Appomattox County | 20,402 | 0.02063% |
| 55107 | Augusta County | 109,980 | 0.11123% |
| 55108 | Bath County | 13,703 | 0.01386% |
| 55109 | Bedford County | 103,036 | 0.10421% |
| 55110 | Bland County | 13,000 | 0.01315% |
| 55111 | Botetourt County | 59,513 | 0.06019% |
| 55112 | Brunswick County | 27,813 | 0.02813% |
| 55113 | Buchanan County | 55,079 | 0.05571% |
| 55114 | Buckingham County | 21,854 | 0.02210% |
| 55115 | Campbell County | 71,047 | 0.07185% |
| 55116 | Caroline County | 63,574 | 0.06429% |
| 55117 | Carroll County | 41,232 | 0.04170% |
| 55118 | Charles City County | 16,621 | 0.01681% |
| 55119 | Charlotte County | 23,016 | 0.02328% |
| 55120 | Chesterfield County | 982,216 | 0.99337% |
| 55121 | Clarke County | 25,064 | 0.02535% |
| 55122 | Craig County | 8,530 | 0.00863% |
| 55123 | Culpeper County | 96,011 | 0.09710% |
| 55124 | Cumberland County | 17,608 | 0.01781% |
| 55125 | Dickenson County | — | —% |
| 55126 | Dinwiddie County | 51,803 | 0.05239% |
| 55128 | Essex County | 20,281 | 0.02051% |
| 55130 | Fauquier County | 190,027 | 0.19219% |
| 55131 | Floyd County | 22,279 | 0.02253% |
| 55132 | Fluvanna County | 36,170 | 0.03658% |
| 55133 | Franklin County | 74,023 | 0.07486% |

**Virginia Retirement System
VRS Group Life Insurance Plan
Schedule of Employer Allocations - continued
For the Plan Year Ended and Measurement Date of June 30, 2018**

| Employer Code | Employer | Employer Contributions | Employer Allocation Percentage |
|------------------|-----------------------|---------------------------|-----------------------------------|
| 55134 | Frederick County | 214,522 | 0.21696% |
| 55135 | Giles County | 31,013 | 0.03137% |
| 55136 | Gloucester County | 73,647 | 0.07448% |
| 55137 | Goochland County | 59,356 | 0.06003% |
| 55138 | Grayson County | 23,405 | 0.02367% |
| 55139 | Greene County | 28,334 | 0.02865% |
| 55140 | Greensville County | 24,506 | 0.02478% |
| 55141 | Halifax County | 41,893 | 0.04237% |
| 55142 | Hanover County | 329,075 | 0.33281% |
| 55143 | Henrico County | 1,300,072 | 1.31487% |
| 55144 | Henry County | 86,111 | 0.08709% |
| 55145 | Highland County | 7,223 | 0.00730% |
| 55146 | Isle of Wight County | 70,617 | 0.07142% |
| 55147 | James City County | 211,025 | 0.21342% |
| 55148 | King George County | 56,919 | 0.05757% |
| 55149 | King and Queen County | 12,860 | 0.01301% |
| 55150 | King William County | 20,360 | 0.02059% |
| 55151 | Lancaster County | 25,507 | 0.02580% |
| 55152 | Lee County | 26,162 | 0.02646% |
| 55153 | Loudoun County | 1,092,793 | 1.10524% |
| 55154 | Louisa County | 62,920 | 0.06363% |
| 55155 | Lunenburg County | 10,996 | 0.01112% |
| 55156 | Madison County | 24,030 | 0.02430% |
| 55157 | Mathews County | 13,326 | 0.01348% |
| 55158 | Mecklenburg County | 44,670 | 0.04518% |
| 55159 | Middlesex County | 15,170 | 0.01534% |
| 55160 | Montgomery County | 93,183 | 0.09424% |
| 55162 | Nelson County | 21,351 | 0.02159% |
| 55163 | New Kent County | 47,425 | 0.04796% |
| 55165 | Northampton County | 43,512 | 0.04401% |
| 55166 | Northumberland County | 22,119 | 0.02237% |
| 55167 | Nottoway County | 18,281 | 0.01849% |
| 55168 | Orange County | 54,028 | 0.05464% |
| 55169 | Page County | 36,892 | 0.03731% |
| 55170 | Patrick County | 31,764 | 0.03212% |
| 55171 | Pittsylvania County | 76,848 | 0.07772% |
| 55172 | Powhatan County | 41,558 | 0.04203% |
| 55173 | Prince Edward County | 27,080 | 0.02739% |

**Virginia Retirement System
VRS Group Life Insurance Plan
Schedule of Employer Allocations - continued
For the Plan Year Ended and Measurement Date of June 30, 2018**

| Employer Code | Employer | Employer Contributions | Employer Allocation Percentage |
|------------------|------------------------|---------------------------|-----------------------------------|
| 55174 | Prince George County | 64,745 | 0.06548% |
| 55176 | Prince William County | 1,382,725 | 1.39846% |
| 55177 | County of Pulaski | 63,032 | 0.06375% |
| 55178 | Rappahannock County | 14,994 | 0.01517% |
| 55179 | Richmond County | 15,156 | 0.01533% |
| 55180 | Roanoke County | 248,835 | 0.25166% |
| 55181 | Rockbridge County | 35,268 | 0.03567% |
| 55182 | Rockingham County | 135,477 | 0.13702% |
| 55183 | Russell County | 32,160 | 0.03252% |
| 55184 | Scott County | 29,727 | 0.03007% |
| 55185 | Shenandoah County | 67,119 | 0.06788% |
| 55186 | Smyth County | 39,186 | 0.03963% |
| 55187 | Southampton County | 41,481 | 0.04195% |
| 55188 | Spotsylvania County | 263,187 | 0.26618% |
| 55189 | Stafford County | 272,771 | 0.27587% |
| 55190 | Surry County | 21,634 | 0.02188% |
| 55191 | Sussex County | 25,343 | 0.02563% |
| 55192 | Tazewell County | 59,443 | 0.06012% |
| 55193 | Warren County | 56,808 | 0.05745% |
| 55195 | Washington County | 56,158 | 0.05680% |
| 55196 | Westmoreland County | 32,282 | 0.03265% |
| 55197 | Wise County | 57,430 | 0.05808% |
| 55198 | Wythe County | 35,534 | 0.03594% |
| 55199 | York County | 213,240 | 0.21566% |
| 55200 | City of Alexandria | — | —% |
| 55201 | City of Bristol | 71,296 | 0.07210% |
| 55202 | City of Buena Vista | 17,003 | 0.01720% |
| 55203 | Town of St. Paul | 3,876 | 0.00392% |
| 55204 | Town of Clifton Forge | 7,298 | 0.00738% |
| 55205 | City of Danville | — | —% |
| 55206 | City of Fredericksburg | 126,281 | 0.12771% |
| 55207 | City of Hampton | 473,642 | 0.47902% |
| 55208 | City of Harrisonburg | 158,162 | 0.15996% |
| 55209 | City of Hopewell | 97,096 | 0.09820% |
| 55210 | City of Lynchburg | 285,405 | 0.28865% |
| 55211 | Town of Crewe | 5,175 | 0.00523% |
| 55212 | City of Norfolk | 139,840 | 0.14143% |
| 55213 | City of Petersburg | 116,521 | 0.11784% |

Virginia Retirement System
VRS Group Life Insurance Plan
Schedule of Employer Allocations - continued
For the Plan Year Ended and Measurement Date of June 30, 2018

| Employer Code | Employer | Employer Contributions | Employer Allocation Percentage |
|------------------|--------------------------|---------------------------|-----------------------------------|
| 55214 | City of Portsmouth | 357,527 | 0.36159% |
| 55215 | City of Radford | 52,785 | 0.05339% |
| 55216 | City of Richmond | 134,207 | 0.13573% |
| 55217 | City of Roanoke | 46,196 | 0.04672% |
| 55218 | Town of Craigsville | 1,043 | 0.00105% |
| 55219 | City of Staunton | 72,824 | 0.07365% |
| 55220 | City of Suffolk | 345,599 | 0.34952% |
| 55221 | City of Williamsburg | 55,094 | 0.05572% |
| 55222 | City of Winchester | 130,000 | 0.13148% |
| 55223 | City of Martinsville | 70,213 | 0.07101% |
| 55224 | City of Falls Church | 6,864 | 0.00694% |
| 55225 | City of Colonial Heights | 68,563 | 0.06934% |
| 55226 | Town of Front Royal | 39,572 | 0.04002% |
| 55227 | Town of Boyce | — | —% |
| 55228 | Town of Middletown | — | —% |
| 55229 | Town of Chilhowie | 4,386 | 0.00443% |
| 55230 | City of Covington | 19,679 | 0.01990% |
| 55231 | Town of Floyd | 864 | 0.00087% |
| 55232 | City of Franklin | 39,713 | 0.04016% |
| 55233 | City of Chesapeake | 837,165 | 0.84669% |
| 55234 | City of Virginia Beach | 1,707,355 | 1.72678% |
| 55235 | City of Norton | 16,692 | 0.01688% |
| 55236 | City of Manassas Park | 48,935 | 0.04949% |
| 55237 | Town of Exmore | — | —% |
| 55238 | Town of Pound | — | —% |
| 55239 | Town of Grottoes | 4,184 | 0.00423% |
| 55240 | Town of Onley | 1,330 | 0.00134% |
| 55241 | Town of West Point | 7,844 | 0.00793% |
| 55242 | Town of South Hill | — | —% |
| 55243 | Town of Rural Retreat | — | —% |
| 55244 | Town of Dillwyn | — | —% |
| 55245 | Town of Scottsville | 791 | 0.00080% |
| 55246 | Town of Burkeville | 522 | 0.00053% |
| 55247 | Town of Madison | 130 | 0.00013% |
| 55248 | Town of Pennington Gap | — | —% |
| 55249 | Town of La Crosse | — | —% |
| 55250 | Town of Rich Creek | 660 | 0.00067% |
| 55251 | Town of White Stone | — | —% |

Virginia Retirement System
VRS Group Life Insurance Plan
Schedule of Employer Allocations - continued
For the Plan Year Ended and Measurement Date of June 30, 2018

| Employer Code | Employer | Employer Contributions | Employer Allocation Percentage |
|------------------|------------------------|---------------------------|-----------------------------------|
| 55252 | Town of Windsor | 3,156 | 0.00319% |
| 55253 | Town of Haysi | — | —% |
| 55254 | Town of Stephens City | 2,187 | 0.00221% |
| 55255 | Town of Broadax | — | —% |
| 55256 | Town of Mineral | — | —% |
| 55257 | Town of Lebanon | 11,148 | 0.01127% |
| 55258 | City of Newport News | 335,894 | 0.33971% |
| 55259 | Town of Richlands | — | —% |
| 55260 | Town of Haymarket | 2,921 | 0.00295% |
| 55261 | Town of Lovettsville | 2,675 | 0.00271% |
| 55300 | Town of Abingdon | 26,767 | 0.02707% |
| 55301 | Town of Dumfries | 7,209 | 0.00729% |
| 55302 | Town of Iron Gate | 241 | 0.00024% |
| 55303 | Town of Montross | 455 | 0.00046% |
| 55304 | Town of South Boston | 16,684 | 0.01687% |
| 55305 | Town of Gretna | 2,358 | 0.00238% |
| 55306 | Town of Remington | 838 | 0.00085% |
| 55307 | City of Lexington | 25,805 | 0.02610% |
| 55308 | City of Waynesboro | 68,592 | 0.06937% |
| 55309 | Town of Colonial Beach | 9,067 | 0.00917% |
| 55310 | Town of Smithfield | 14,839 | 0.01501% |
| 55311 | Town of Brookneal | 1,498 | 0.00151% |
| 55312 | Town of Hamilton | 1,545 | 0.00156% |
| 55313 | City of Galax | 32,074 | 0.03244% |
| 55314 | Town of Jonesville | 2,018 | 0.00204% |
| 55315 | Town of Wytheville | 34,095 | 0.03448% |
| 55316 | City of Fairfax | — | —% |
| 55317 | Town of Vienna | 64,502 | 0.06523% |
| 55318 | Town of Vinton | 19,610 | 0.01983% |
| 55319 | City of Emporia | 24,995 | 0.02528% |
| 55320 | Town of Culpeper | 49,177 | 0.04973% |
| 55321 | Town of Woodstock | 14,436 | 0.01460% |
| 55322 | Town of Glasgow | 955 | 0.00097% |
| 55323 | Town of Marion | 17,610 | 0.01781% |
| 55324 | Town of Altavista | 11,777 | 0.01191% |
| 55325 | Town of Herndon | 87,895 | 0.08889% |
| 55326 | Town of Pearisburg | 6,932 | 0.00701% |
| 55327 | Town of Christiansburg | — | —% |

Virginia Retirement System
VRS Group Life Insurance Plan
Schedule of Employer Allocations - continued
For the Plan Year Ended and Measurement Date of June 30, 2018

| Employer Code | Employer | Employer Contributions | Employer Allocation Percentage |
|------------------|-----------------------|---------------------------|-----------------------------------|
| 55328 | Town of Wakefield | — | —% |
| 55329 | Town of Leesburg | 123,393 | 0.12479% |
| 55330 | Town of Chatham | 2,708 | 0.00274% |
| 55331 | Town of Bowling Green | 1,795 | 0.00181% |
| 55332 | City of Manassas | 157,744 | 0.15954% |
| 55333 | Town of Alberta | — | —% |
| 55334 | Town of Boydton | 1,075 | 0.00109% |
| 55335 | City of Salem | 117,866 | 0.11921% |
| 55336 | Town of McKenney | 185 | 0.00019% |
| 55337 | Town of Narrows | — | —% |
| 55338 | Town of Quantico | 777 | 0.00079% |
| 55339 | Town of Halifax | 1,680 | 0.00170% |
| 55340 | Town of Blacksburg | 78,505 | 0.07940% |
| 55341 | Town of Chincoteague | 10,444 | 0.01056% |
| 55342 | Town of Lawrenceville | 4,705 | 0.00476% |
| 55343 | Town of Amherst | 4,249 | 0.00430% |
| 55344 | Town of Stanley | 3,412 | 0.00345% |
| 55345 | Town of Hillsville | 7,779 | 0.00787% |
| 55346 | Town of Elkton | 5,566 | 0.00563% |
| 55347 | Town of Bridgewater | 12,919 | 0.01307% |
| 55348 | Town of Purcellville | 24,305 | 0.02458% |
| 55349 | Town of Timberville | 3,370 | 0.00341% |
| 55350 | Town of Wise | 11,312 | 0.01144% |
| 55351 | Town of New Market | 4,242 | 0.00429% |
| 55352 | Town of Tappahannock | — | —% |
| 55353 | Town of Rocky Mount | 14,543 | 0.01471% |
| 55354 | Town of Big Stone Gap | — | —% |
| 55355 | Town of Luray | 10,000 | 0.01011% |
| 55357 | Town of Strasburg | 14,610 | 0.01478% |
| 55358 | Town of Appomattox | — | —% |
| 55359 | Town of Clarksville | 4,361 | 0.00441% |
| 55360 | Town of Dublin | 4,903 | 0.00496% |
| 55361 | Town of Middleburg | 4,886 | 0.00494% |
| 55362 | Town of Edinburg | — | —% |
| 55363 | Town of Chase City | 6,133 | 0.00620% |
| 55364 | City of Bedford | 20,211 | 0.02044% |
| 55365 | City of Poquoson | 32,368 | 0.03274% |
| 55366 | Town of Ashland | 17,454 | 0.01765% |

**Virginia Retirement System
VRS Group Life Insurance Plan
Schedule of Employer Allocations - continued
For the Plan Year Ended and Measurement Date of June 30, 2018**

| Employer Code | Employer | Employer Contributions | Employer Allocation Percentage |
|------------------|---|---------------------------|-----------------------------------|
| 55367 | Town of Broadway | 5,127 | 0.00518% |
| 55368 | Town of Berryville | 7,747 | 0.00783% |
| 55369 | Town of Tazewell | — | —% |
| 55370 | Town of Urbanna | 471 | 0.00048% |
| 55371 | Town of Bluefield | 12,354 | 0.01249% |
| 55372 | Town of Weber City | 815 | 0.00082% |
| 55374 | Town of Hurt | 732 | 0.00074% |
| 55375 | Town of Waverly | — | —% |
| 55376 | Town of Coeburn | 3,531 | 0.00357% |
| 55377 | Town of Dayton | 4,179 | 0.00423% |
| 55378 | Town of Courtland | 523 | 0.00053% |
| 55379 | Town of Cape Charles | 7,096 | 0.00718% |
| 55380 | Town of Independence | — | —% |
| 55381 | Town of Warsaw | 3,201 | 0.00324% |
| 55382 | Town of Grundy | 3,556 | 0.00360% |
| 55383 | Town of Warrenton | 31,120 | 0.03147% |
| 55384 | Town of Louisa | 3,482 | 0.00352% |
| 55385 | Town of Kenbridge | 2,292 | 0.00232% |
| 55386 | Town of Mt. Jackson | 4,195 | 0.00424% |
| 55387 | Town of Pulaski | 21,466 | 0.02171% |
| 55388 | Town of Jarratt | — | —% |
| 55389 | Town of Pembroke | 1,200 | 0.00121% |
| 55390 | Town of Parksley | 693 | 0.00070% |
| 55391 | Town of Onancock | 3,006 | 0.00304% |
| 55392 | Town of Victoria | 2,646 | 0.00268% |
| 55393 | Town of Shenandoah | 3,542 | 0.00358% |
| 55394 | Town of Gate City | — | —% |
| 55395 | Town of Round Hill | 4,306 | 0.00435% |
| 55396 | Town of Kilmarnock | 4,668 | 0.00472% |
| 55397 | Town of Orange | 12,090 | 0.01223% |
| 55398 | Town of Saltville | — | —% |
| 55399 | Town of Blackstone | 10,462 | 0.01058% |
| 55401 | Southeastern Virginia Public Service Authority | 30,485 | 0.03083% |
| 55402 | Pittsylvania County Service Authority | 1,671 | 0.00169% |
| 55403 | Spotsylvania-Stafford-Fredericksburg Group Home Comm. | 2,792 | 0.00282% |
| 55404 | Appomattox Regional Library | 3,488 | 0.00353% |
| 55405 | Staunton Redevelopment & Housing Authority | 1,965 | 0.00199% |
| 55406 | Hampton Newport News Community Services Board | — | —% |

Virginia Retirement System
VRS Group Life Insurance Plan
Schedule of Employer Allocations - continued
For the Plan Year Ended and Measurement Date of June 30, 2018

| Employer Code | Employer | Employer Contributions | Employer Allocation Percentage |
|------------------|---|---------------------------|-----------------------------------|
| 55408 | Charles Pinckney Jones Memorial Library | 455 | 0.00046% |
| 55409 | Southside Regional Juvenile Group Home Commission | 631 | 0.00064% |
| 55411 | Hampton Roads Sanitation District | 259,199 | 0.26214% |
| 55412 | Peninsula Airport Commission | 11,807 | 0.01194% |
| 55413 | Richmond Redevelopment & Housing Authority | 42,217 | 0.04270% |
| 55415 | Chesapeake Redevelopment & Housing Authority | 10,941 | 0.01106% |
| 55416 | Alexandria Sanitation Authority | — | —% |
| 55417 | Norfolk Airport Authority | 61,544 | 0.06224% |
| 55418 | Charlottesville Redevelopment & Housing Authority | 3,056 | 0.00309% |
| 55419 | Hampton Redevelopment & Housing Authority | 15,046 | 0.01522% |
| 55420 | Loudoun County Sanitation Authority | 114,370 | 0.11567% |
| 55421 | Danville Redevelopment & Housing Authority | 6,784 | 0.00686% |
| 55422 | NRV Regional Water Authority | 6,088 | 0.00616% |
| 55423 | Northern Virginia Juvenile Detention Home | 23,268 | 0.02353% |
| 55424 | Hopewell Redevelopment and Housing Authority | — | —% |
| 55425 | Colonial Services Board | 47,301 | 0.04784% |
| 55426 | Blacksburg-VPI Sanitation Authority | 4,984 | 0.00504% |
| 55427 | Potomac River Fisheries Commission | 1,392 | 0.00141% |
| 55428 | Chesapeake Bay Bridge & Tunnel District | 41,820 | 0.04229% |
| 55429 | Alexandria Redevelopment & Housing Authority | 25,743 | 0.02603% |
| 55430 | Albemarle County Service Authority | 20,400 | 0.02063% |
| 55431 | Franklin Redevelopment & Housing Authority | 2,389 | 0.00242% |
| 55432 | Bristol Redevelopment & Housing Authority | 5,364 | 0.00543% |
| 55433 | Norfolk Redevelopment & Housing Authority | 71,894 | 0.07271% |
| 55435 | Richmond Metropolitan Authority | 19,517 | 0.01974% |
| 55436 | Riverside Regional Jail | 80,843 | 0.08176% |
| 55439 | Rappahannock-Rapidan Planning District Commission | 1,892 | 0.00191% |
| 55440 | Shenandoah Valley Juvenile Detention Home | 16,660 | 0.01685% |
| 55442 | Southside Regional Library Board | — | —% |
| 55443 | Bedford Public Library | 3,430 | 0.00347% |
| 55445 | Chesterfield County Health Center Commission | 31,372 | 0.03173% |
| 55446 | Washington County Service Authority | 18,811 | 0.01902% |
| 55447 | Rappahannock Area Community Services Board | 103,386 | 0.10456% |
| 55449 | Hampton Roads Planning District Commission | 17,304 | 0.01750% |
| 55450 | Meherrin Regional Library | 1,323 | 0.00134% |
| 55451 | New River Valley Planning District | — | —% |
| 55452 | Northern Virginia Healthcare Center & District Home | — | —% |
| 55453 | Rockbridge Area Community Services Board | 22,526 | 0.02278% |

Virginia Retirement System
VRS Group Life Insurance Plan
Schedule of Employer Allocations - continued
For the Plan Year Ended and Measurement Date of June 30, 2018

| Employer Code | Employer | Employer Contributions | Employer Allocation Percentage |
|------------------|--|---------------------------|-----------------------------------|
| 55454 | Greensville/Emporia Department of Social Services | 5,544 | 0.00561% |
| 55455 | James City Service Authority | 22,090 | 0.02234% |
| 55456 | Accomack-Northampton Planning District Commission | 3,687 | 0.00373% |
| 55457 | Harrisonburg/Rockingham Sewer Authority | 8,181 | 0.00827% |
| 55458 | Wytheville Redevelopment & Housing Authority | 2,427 | 0.00245% |
| 55459 | Waynesboro Redevelopment and Housing Authority | 3,555 | 0.00359% |
| 55460 | Region Ten Community Services Board | 113,899 | 0.11519% |
| 55462 | LENOWISCO Planning District Commission | 1,500 | 0.00152% |
| 55465 | Rivanna Water & Sewer Authority | 25,320 | 0.02561% |
| 55466 | Appomattox River Water Authority | 7,673 | 0.00776% |
| 55467 | Campbell County Utilities and Service Authority | 6,502 | 0.00658% |
| 55469 | Eastern Shore Community Services Board | 26,199 | 0.02650% |
| 55470 | ANCHOR Commission | 954 | 0.00097% |
| 55471 | Central Virginia Community Services | 144,940 | 0.14659% |
| 55472 | District 19 Community Services Board | 45,656 | 0.04618% |
| 55473 | Tidewater Transportation District | 89,694 | 0.09071% |
| 55474 | Upper Occoquan Sewage Authority | 72,549 | 0.07337% |
| 55475 | New River Valley Juvenile Detention Home | 3,966 | 0.00401% |
| 55476 | Rockbridge Regional Library | — | —% |
| 55477 | Frederick County Sanitation Authority | 18,626 | 0.01884% |
| 55478 | Western Tidewater Community Services Board | — | —% |
| 55479 | Cumberland Mountain Community Services | 58,104 | 0.05876% |
| 55482 | Middle Peninsula/Northern Neck Public Service Auth | 69,600 | 0.07039% |
| 55483 | Rockbridge County Public Service Authority | 2,089 | 0.00211% |
| 55484 | Danville-Pittsylvania Mental Health Services Board | 51,601 | 0.05219% |
| 55485 | Crater Youth Care Commission | 6,683 | 0.00676% |
| 55486 | Southeastern Tidewater Manpower Authority | 9,139 | 0.00924% |
| 55487 | Capital Regional Airport Commission | 44,882 | 0.04539% |
| 55488 | Northwestern Community Services Board | 38,842 | 0.03928% |
| 55489 | Harrisonburg-Rockingham Community Services Board | 33,814 | 0.03420% |
| 55491 | Middle Peninsula Regional Security Center | 14,808 | 0.01498% |
| 55492 | Northern Neck Planning District Commission | 1,474 | 0.00149% |
| 55493 | Planning District One Community Services Board | 1,314 | 0.00133% |
| 55494 | Rockbridge Area Social Services Board | 5,090 | 0.00515% |
| 55495 | Dinwiddie County Water Authority | 2,833 | 0.00286% |
| 55496 | Rappahannock Rapidan Community Services | 52,993 | 0.05359% |
| 55498 | Valley Community Services Board | 53,379 | 0.05399% |
| 55499 | Eastern Shore Public Library | 1,177 | 0.00119% |

Virginia Retirement System
VRS Group Life Insurance Plan
Schedule of Employer Allocations - continued
For the Plan Year Ended and Measurement Date of June 30, 2018

| Employer Code | Employer | Employer Contributions | Employer Allocation Percentage |
|------------------|-------------------------------------|---------------------------|-----------------------------------|
| 55500 | Alexandria City Public Schools | 42,347 | 0.04283% |
| 55501 | Albemarle County Public Schools | 36,969 | 0.03739% |
| 55502 | Alleghany Highlands Public Schools | 9,469 | 0.00958% |
| 55503 | Charlottesville City Public Schools | 10,315 | 0.01043% |
| 55504 | Amherst County Public Schools | 13,913 | 0.01407% |
| 55505 | Appomattox County Public Schools | 3,652 | 0.00369% |
| 55506 | Arlington County Public Schools | 112,915 | 0.11420% |
| 55507 | Augusta County Public Schools | 13,303 | 0.01345% |
| 55508 | Bath County Public Schools | 3,385 | 0.00342% |
| 55509 | Bedford County Public Schools | 28,692 | 0.02902% |
| 55510 | Bland County Public Schools | 2,023 | 0.00204% |
| 55511 | Botetourt County Public Schools | 13,323 | 0.01347% |
| 55512 | Norfolk Public Schools | 90,630 | 0.09166% |
| 55513 | Petersburg City Public Schools | 12,219 | 0.01236% |
| 55514 | Buckingham County Public Schools | 4,432 | 0.00448% |
| 55515 | Radford City Public Schools | 1,821 | 0.00184% |
| 55516 | Caroline County Public Schools | 7,193 | 0.00727% |
| 55517 | Carroll County Public Schools | 10,663 | 0.01078% |
| 55518 | Charles City County Public Schools | 1,276 | 0.00129% |
| 55519 | Charlotte County Public Schools | 3,499 | 0.00354% |
| 55520 | Chesterfield County Public Schools | 89,226 | 0.09024% |
| 55521 | Clarke County Public Schools | 3,493 | 0.00353% |
| 55522 | Winchester City Public Schools | 11,843 | 0.01198% |
| 55523 | Culpeper County Public Schools | 23,450 | 0.02372% |
| 55524 | Cumberland County Public Schools | 3,556 | 0.00360% |
| 55525 | Dickenson County Public Schools | 6,754 | 0.00683% |
| 55526 | Dinwiddie County Public Schools | 9,521 | 0.00963% |
| 55528 | Essex County Public Schools | 3,348 | 0.00339% |
| 55530 | Covington City Public Schools | 1,909 | 0.00193% |
| 55531 | Floyd County Public Schools | 8,273 | 0.00837% |
| 55532 | Fluvanna County Public Schools | 11,927 | 0.01206% |
| 55533 | Chesapeake City Public Schools | 111,262 | 0.11253% |
| 55534 | Virginia Beach City Public Schools | 234,625 | 0.23729% |
| 55535 | Giles County Public Schools | 1,968 | 0.00199% |
| 55536 | Gloucester County Public Schools | 15,688 | 0.01587% |
| 55537 | Goochland County Public Schools | 3,961 | 0.00401% |
| 55538 | Grayson County Public Schools | 4,970 | 0.00503% |
| 55539 | Greene County Public Schools | 8,967 | 0.00907% |

Virginia Retirement System
VRS Group Life Insurance Plan
Schedule of Employer Allocations - continued
For the Plan Year Ended and Measurement Date of June 30, 2018

| Employer Code | Employer | Employer Contributions | Employer Allocation Percentage |
|------------------|--------------------------------------|---------------------------|-----------------------------------|
| 55540 | Greensville County Public Schools | 4,616 | 0.00467% |
| 55541 | Halifax County Public Schools | 8,590 | 0.00869% |
| 55542 | Hanover County Public Schools | 26,820 | 0.02712% |
| 55543 | Henrico County Public Schools | 3,834 | 0.00388% |
| 55544 | Henry County Public Schools | 18,618 | 0.01883% |
| 55545 | Highland County Public Schools | 1,245 | 0.00126% |
| 55546 | Isle of Wight County Public Schools | 8,323 | 0.00842% |
| 55548 | King George County Public Schools | 13,144 | 0.01329% |
| 55549 | King and Queen County Public Schools | 3,803 | 0.00385% |
| 55550 | King William County Public Schools | 6,711 | 0.00679% |
| 55551 | Lancaster County Public Schools | 4,423 | 0.00447% |
| 55552 | Lee County Public Schools | 10,323 | 0.01044% |
| 55553 | Loudoun County Public Schools | 300,897 | 0.30432% |
| 55554 | Louisa County Public Schools | 19,634 | 0.01986% |
| 55555 | Lunenburg County Public Schools | 3,343 | 0.00338% |
| 55556 | Madison County Public Schools | 4,373 | 0.00442% |
| 55557 | Mathews County Public Schools | 4,159 | 0.00421% |
| 55558 | Mecklenburg County Public Schools | 5,759 | 0.00582% |
| 55559 | Middlesex County Public Schools | 2,379 | 0.00241% |
| 55560 | Montgomery County Public Schools | 23,328 | 0.02359% |
| 55562 | Nelson County Public Schools | 8,460 | 0.00856% |
| 55563 | New Kent County Public Schools | 6,545 | 0.00662% |
| 55565 | Northampton County Public Schools | 5,134 | 0.00519% |
| 55566 | Northumberland County Public Schools | 3,778 | 0.00382% |
| 55567 | Nottoway County Public Schools | 4,763 | 0.00482% |
| 55568 | Orange County Public Schools | 16,223 | 0.01641% |
| 55569 | Page County Public Schools | 9,718 | 0.00983% |
| 55570 | Patrick County Public Schools | 9,264 | 0.00937% |
| 55571 | Pittsylvania County Public Schools | 14,615 | 0.01478% |
| 55572 | Powhatan County Public Schools | 8,873 | 0.00897% |
| 55573 | Prince Edward County Public Schools | 3,111 | 0.00314% |
| 55574 | Prince George County Public Schools | 19,201 | 0.01942% |
| 55576 | Prince William County Public Schools | 301,883 | 0.30531% |
| 55577 | Pulaski County Public Schools | 11,831 | 0.01197% |
| 55578 | Rappahannock County Public Schools | 3,478 | 0.00352% |
| 55579 | Richmond County Public Schools | 337 | 0.00034% |
| 55580 | Roanoke County Public Schools | 16,388 | 0.01657% |
| 55581 | Rockbridge County Public Schools | 6,850 | 0.00693% |

Virginia Retirement System
VRS Group Life Insurance Plan
Schedule of Employer Allocations - continued
For the Plan Year Ended and Measurement Date of June 30, 2018

| Employer Code | Employer | Employer Contributions | Employer Allocation Percentage |
|------------------|---------------------------------------|---------------------------|-----------------------------------|
| 55582 | Rockingham County Public Schools | 42,186 | 0.04267% |
| 55583 | Russell County Public Schools | 13,673 | 0.01383% |
| 55584 | Scott County Public Schools | 11,365 | 0.01149% |
| 55585 | Shenandoah County Public Schools | 18,555 | 0.01876% |
| 55586 | Smyth County Public Schools | 11,345 | 0.01147% |
| 55587 | Southampton County Public Schools | 4,202 | 0.00425% |
| 55588 | Spotsylvania County Public Schools | 48,409 | 0.04896% |
| 55589 | Stafford County Public Schools | 45,365 | 0.04588% |
| 55590 | Surry County Public Schools | 4,997 | 0.00505% |
| 55591 | Sussex County School Board | 4,746 | 0.00480% |
| 55592 | Tazewell County Public Schools | 19,708 | 0.01993% |
| 55593 | Warren County Public Schools | 10,199 | 0.01032% |
| 55595 | Washington County Public Schools | 13,609 | 0.01376% |
| 55596 | Westmoreland County Public Schools | 3,687 | 0.00373% |
| 55597 | Wise County Public Schools | 7,692 | 0.00778% |
| 55598 | Wythe County Public Schools | 7,051 | 0.00713% |
| 55599 | York County Public Schools | 33,613 | 0.03399% |
| 55600 | Accomack County Public Schools | 15,405 | 0.01558% |
| 55601 | Bristol VA Public Schools | 4,872 | 0.00493% |
| 55602 | Buena Vista City Public Schools | 1,961 | 0.00198% |
| 55603 | Amelia County Public Schools | 4,557 | 0.00461% |
| 55605 | Danville City Public Schools | 10,033 | 0.01015% |
| 55606 | Franklin City Public Schools | 2,141 | 0.00217% |
| 55608 | Harrisonburg City Public Schools | 11,283 | 0.01141% |
| 55609 | Hopewell City Public Schools | 10,630 | 0.01075% |
| 55610 | Lynchburg City Public Schools | 19,912 | 0.02014% |
| 55611 | Fauquier County Public Schools | 38,884 | 0.03933% |
| 55612 | Brunswick County Public Schools | 5,844 | 0.00591% |
| 55613 | PD Pruden Vocational-Technical Center | — | —% |
| 55614 | Portsmouth City Public Schools | 40,441 | 0.04090% |
| 55615 | Campbell County Public Schools | 16,631 | 0.01682% |
| 55616 | Richmond Public Schools | 53,999 | 0.05461% |
| 55617 | Roanoke City Schools | 19,074 | 0.01929% |
| 55619 | Staunton City Public Schools | 5,849 | 0.00592% |
| 55620 | Suffolk City Public Schools | 35,227 | 0.03563% |
| 55622 | Craig County Public Schools | 1,653 | 0.00167% |
| 55623 | Martinsville City Public Schools | 2,534 | 0.00256% |
| 55624 | Appomattox Regional Governor's School | 512 | 0.00052% |

Virginia Retirement System
VRS Group Life Insurance Plan
Schedule of Employer Allocations - continued
For the Plan Year Ended and Measurement Date of June 30, 2018

| Employer Code | Employer | Employer Contributions | Employer Allocation Percentage |
|------------------|--|---------------------------|-----------------------------------|
| 55625 | Colonial Heights City Public Schools | 6,676 | 0.00675% |
| 55632 | Manassas City Public Schools | 17,901 | 0.01810% |
| 55633 | Franklin County Public Schools | 28,755 | 0.02908% |
| 55634 | Frederick County Public Schools | 45,945 | 0.04647% |
| 55635 | Salem City Public Schools | 6,688 | 0.00676% |
| 55636 | Manassas Park City Public Schools | 6,852 | 0.00693% |
| 55637 | Newport News Public Schools | 51,267 | 0.05185% |
| 55708 | Waynesboro City Public Schools | 4,340 | 0.00439% |
| 55710 | Valley Vocational-Technical Center | 337 | 0.00034% |
| 55711 | New Horizons Regional Education Center | 1,661 | 0.00168% |
| 55713 | Galax City Public Schools | 2,631 | 0.00266% |
| 55714 | Norton City Public Schools | 1,115 | 0.00113% |
| 55802 | Williamsburg-James City County Public Schools | 27,851 | 0.02817% |
| 55803 | Poquoson City Public Schools | 2,740 | 0.00277% |
| 55806 | Fredericksburg City Public Schools | 6,687 | 0.00676% |
| 55807 | Hampton City Public Schools | 22,257 | 0.02251% |
| 55813 | Buchanan County Public Schools | 10,608 | 0.01073% |
| 55814 | Jackson River Technical Center | 367 | 0.00037% |
| 55815 | Northern Neck Regional Vocational Center | 187 | 0.00019% |
| 55862 | Crater Criminal Justice Training Academy | 1,424 | 0.00144% |
| 55863 | Central Shenandoah Criminal Justice Training Academy | 1,996 | 0.00202% |
| 55864 | New River Valley Emergency Comm Regional Authority | 8,080 | 0.00817% |
| 55865 | Maury Service Authority | 3,676 | 0.00372% |
| 55866 | Hampton Roads Transportation Accountability Commission | 1,304 | 0.00132% |
| 55867 | Pamunkey Regional Library | 6,118 | 0.00619% |
| 55868 | Northern Virginia Transportation Authority | 5,469 | 0.00553% |
| 55869 | RSW Regional Jail Authority | 24,082 | 0.02436% |
| 55870 | Bedford Regional Water Authority | 14,765 | 0.01493% |
| 55871 | Portsmouth Redevelopment and Housing Authority | 18,428 | 0.01864% |
| 55872 | Southwest Regional Recreation Authority | 2,266 | 0.00229% |
| 55873 | Roanoke Redevelopment and Housing Authority | — | —% |
| 55874 | Meherrin Regional Jail Authority | 25,691 | 0.02598% |
| 55875 | Woodway Water Authority | 1,113 | 0.00113% |
| 55876 | Bristol Virginia Utilities Authority (BVU) | 37,756 | 0.03819% |
| 55877 | Washington Metropolitan Area Transit Commission | — | —% |
| 55878 | Mount Rogers Community Services Board | 117,524 | 0.11886% |
| 55879 | Lonesome Pine Soil & Water Conservation District | 216 | 0.00022% |
| 55880 | Big Sandy Soil & Water Conservation District | — | —% |

Virginia Retirement System
VRS Group Life Insurance Plan
Schedule of Employer Allocations - continued
For the Plan Year Ended and Measurement Date of June 30, 2018

| Employer Code | Employer | Employer Contributions | Employer Allocation Percentage |
|------------------|--|---------------------------|-----------------------------------|
| 55881 | Virginia's Region 2000 Local Government Council | 9,124 | 0.00923% |
| 55882 | Middle Peninsula Planning District Commission | 1,048 | 0.00106% |
| 55883 | Western Virginia Regional Jail Authority | 42,221 | 0.04270% |
| 55884 | Halifax Service Authority | 6,168 | 0.00624% |
| 55886 | Russell County Public Service Authority | 2,398 | 0.00242% |
| 55887 | Piedmont Community Services Board | 55,067 | 0.05569% |
| 55888 | Blue Ridge Behavioral Health Care | 72,691 | 0.07352% |
| 55889 | Skyline Soil and Water Conservation District | — | —% |
| 55890 | Middle River Regional Jail Authority | 36,090 | 0.03650% |
| 55891 | Tidewater Soil and Water Conservation District | — | —% |
| 55892 | Big Stone Gap Redevelopment and Housing Authority | — | —% |
| 55893 | Eastern Shore Soil and Water Conservation District | 882 | 0.00089% |
| 55894 | Town of Boykins | — | —% |
| 55895 | Town of Gordonsville | 3,480 | 0.00352% |
| 55896 | Virginia Resources Authority | 6,748 | 0.00683% |
| 55897 | Prince William County Services Authority | 126,994 | 0.12844% |
| 55898 | Western Virginia Water Authority | 52,950 | 0.05355% |
| 55899 | Shenandoah Valley Regional Airport Commission | 3,399 | 0.00344% |
| 55900 | Alleghany Highlands Community Services Board | 15,577 | 0.01575% |
| 55901 | Brunswick Industrial Development Authority | 422 | 0.00043% |
| 55902 | Northern Neck-Essex County Group Home Commission | — | —% |
| 55904 | Highlands Juvenile Detention Center Commission | 9,949 | 0.01006% |
| 55905 | Goochland-Powhatan Community Services Board | 12,059 | 0.01220% |
| 55906 | Suffolk Redevelopment and Housing Authority | 6,173 | 0.00624% |
| 55908 | Lee County Redevelopment and Housing Authority | 1,629 | 0.00165% |
| 55909 | Henry County Public Service Authority | 12,131 | 0.01227% |
| 55910 | Southside Planning District Commission | 2,561 | 0.00259% |
| 55911 | Industrial Development Authority | 4,017 | 0.00406% |
| 55912 | Augusta County Service Authority | 28,065 | 0.02838% |
| 55914 | Rappahannock Juvenile Detention Commission | 17,504 | 0.01770% |
| 55915 | Cumberland Plateau Regional Housing Authority | 2,819 | 0.00285% |
| 55917 | Bedford County Public Service Authority | — | —% |
| 55918 | Amherst County Service Authority | 5,103 | 0.00516% |
| 55919 | Pepper's Ferry Regional Wastewater Treatment Authority | 5,195 | 0.00525% |
| 55920 | Rappahannock Regional Jail Authority | 72,564 | 0.07339% |
| 55921 | Thomas Jefferson Planning District Commission | 3,299 | 0.00333% |
| 55922 | Piedmont Regional Jail | 25,246 | 0.02553% |
| 55923 | Nelson County Services Authority | 4,828 | 0.00488% |

Virginia Retirement System
VRS Group Life Insurance Plan
Schedule of Employer Allocations - continued
For the Plan Year Ended and Measurement Date of June 30, 2018

| Employer Code | Employer | Employer Contributions | Employer Allocation Percentage |
|------------------|---|---------------------------|-----------------------------------|
| 55924 | Coeburn-Norton-Wise Regional Water | 2,934 | 0.00297% |
| 55925 | Fauquier County Water & Sanitation Authority | 15,612 | 0.01579% |
| 55926 | Scott County Soil & Water Conservation District | 662 | 0.00067% |
| 55927 | New River Resource Authority | 5,422 | 0.00548% |
| 55928 | Scott County Water & Sewage Authority | 4,582 | 0.00463% |
| 55929 | Greensville County Water & Sewer Authority | 5,941 | 0.00601% |
| 55930 | Petersburg Redevelopment & Housing Authority | 6,029 | 0.00610% |
| 55931 | Central Rappahannock Regional Library | 22,673 | 0.02293% |
| 55932 | Virginia Coalfield Economic Development Authority | 1,650 | 0.00167% |
| 55933 | Central Virginia Regional Jail | 31,010 | 0.03136% |
| 55934 | Thomas Jefferson Soil & Water Conservation District | 2,087 | 0.00211% |
| 55936 | Piedmont Planning District Commission | — | —% |
| 55937 | Wythe-Grayson Regional Library | 1,373 | 0.00139% |
| 55938 | Colonial Soil & Water Conservation District | 991 | 0.00100% |
| 55939 | Rivanna Solid Waste Authority | 2,315 | 0.00234% |
| 55940 | Monacan Soil & Water Conservation District | 792 | 0.00080% |
| 55941 | Robert E. Lee Soil & Water Conservation District | — | —% |
| 55942 | Virginia Soil & Water Conservation | 881 | 0.00089% |
| 55944 | Central Virginia Waste Management Authority | 2,751 | 0.00278% |
| 55945 | Lonesome Pine Regional Library | 4,215 | 0.00426% |
| 55946 | Virginia Peninsulas Public Service Authority | 7,901 | 0.00799% |
| 55947 | Tidewater Regional Group Home Commission | 12,044 | 0.01218% |
| 55948 | Virginia Highlands Airport Commission | 1,250 | 0.00126% |
| 55949 | Western Tidewater Regional Jail | 38,242 | 0.03868% |
| 55950 | Scott County Redevelopment & Housing Authority | 1,401 | 0.00142% |
| 55951 | Handley Regional Library | 3,192 | 0.00323% |
| 55952 | Northern Neck Regional Jail | 17,424 | 0.01762% |
| 55953 | Montgomery Regional Solid Waste Authority | 3,542 | 0.00358% |
| 55954 | Potomac & Rappahannock Transportation Comm | 46,174 | 0.04670% |
| 55955 | Giles County Public Service Authority | 2,185 | 0.00221% |
| 55956 | South Central Wastewater Authority | 9,059 | 0.00916% |
| 55957 | Wise County Redevelopment and Housing Authority | 3,392 | 0.00343% |
| 55958 | Prince William Soil & Water Conservation District | 967 | 0.00098% |
| 55959 | Hampton Roads Regional Jail Authority | 61,513 | 0.06221% |
| 55960 | Russell County Water & Sewage Authority | 1,353 | 0.00137% |
| 55961 | Pamunkey Regional Jail | 30,044 | 0.03039% |
| 55962 | Charlottesville - Albemarle Airport Authority | 9,600 | 0.00971% |
| 55963 | Virginia Peninsula Regional Jail | 25,980 | 0.02628% |

Virginia Retirement System
VRS Group Life Insurance Plan
Schedule of Employer Allocations - continued
For the Plan Year Ended and Measurement Date of June 30, 2018

| Employer Code | Employer | Employer Contributions | Employer Allocation Percentage |
|------------------|--|---------------------------|-----------------------------------|
| 55964 | Virginia Biotechnology Research Park Authority | 2,896 | 0.00293% |
| 55965 | Peumansend Creek Regional Jail | — | —% |
| 55966 | Blue Ridge Regional Jail Authority | 76,976 | 0.07785% |
| 55967 | Rockingham Regional Library | 3,605 | 0.00365% |
| 55968 | Albemarle-Charlottesville Regional Jail | 40,129 | 0.04058% |
| 55969 | Culpeper Soil & Water Conservation District | 2,531 | 0.00256% |
| 55970 | New River Valley Regional Jail | 46,465 | 0.04699% |
| 55971 | Sussex Service Authority | 4,777 | 0.00483% |
| 55972 | Big Water Soil & Water Conservation District | — | —% |
| 55973 | Peter Francisco Soil & Water Conservation District | — | —% |
| 55974 | Peaks of Otter Soil & Water Conservation District | 200 | 0.00020% |
| 55975 | New River Soil & Water Conservation District | 434 | 0.00044% |
| 55977 | Southside Regional Jail | 9,737 | 0.00985% |
| 55978 | Evergreen Soil & Water Conservation District | 598 | 0.00060% |
| 55979 | Roanoke Higher Education Authority | 4,472 | 0.00452% |
| 55981 | John Marshall Soil & Water Conservation District | 1,442 | 0.00146% |
| 55982 | Daniel Boone Soil & Water Conservation District | 709 | 0.00072% |
| 55983 | Southside Community Services Board | 35,528 | 0.03593% |
| 55984 | Northern Shenandoah Valley Regional Commission | 2,643 | 0.00267% |
| 55985 | Tazewell Soil & Water Conservation District | 600 | 0.00061% |
| 55987 | Richmond Regional Planning District Commission | — | —% |
| 55988 | Henricopolis Soil & Water Conservation District | 655 | 0.00066% |
| 55989 | Piedmont Regional Juvenile Detention Center | 3,288 | 0.00332% |
| 55990 | Roanoke River Service Authority | 1,497 | 0.00151% |
| 55991 | Lee County Public Service Authority | 3,007 | 0.00304% |
| 55992 | Blue Ridge Juvenile Detention Center | 10,438 | 0.01056% |
| 55993 | Ferrum Water & Sewage Authority | — | —% |
| 55994 | Wise County Public Service Authority | 5,207 | 0.00526% |
| 55995 | Holston River Soil & Water Conservation District | — | —% |
| 55996 | New River Valley Community Services Board | — | —% |
| 55997 | Institute for Advanced Learning and Research | — | —% |
| 55998 | Southwest Virginia Regional Jail Authority | 79,976 | 0.08088% |
| 55999 | Clinch Valley Soil & Water Conservation District | 460 | 0.00047% |
| 59212 | City of Norfolk - Insurance Only Employees | 997,208 | 1.00854% |
| 59214 | City of Portsmouth - Insurance Only Employees | 12,461 | 0.01260% |
| 59216 | City of Richmond - Insurance Only Employees | 927,079 | 0.93761% |
| 59217 | City of Roanoke - Insurance Only Employees | 375,676 | 0.37994% |
| 59617 | Roanoke City Schools - Insurance Only Employees | 9,189 | 0.00929% |

**Virginia Retirement System
VRS Group Life Insurance Plan
Schedule of Employer Allocations - continued
For the Plan Year Ended and Measurement Date of June 30, 2018**

| Employer Code | Employer | Employer Contributions | Employer Allocation Percentage |
|--------------------------|------------------------------------|-----------------------------------|---|
| | Sub-total Political Subdivisions | \$ 26,464,403 | 26.76503% |
| | Total for VRS Group Life Insurance | <u>\$ 98,876,764</u> | <u>100.00000%</u> |

The accompanying notes are an integral part of the Schedule of Employer Allocations.

Virginia Retirement System
VRS Group Life Insurance Plan
Schedule of Net GLI OPEB Liability and Total GLI OPEB Expense
As of the Measurement Date and for the Plan Year Ended June 30, 2018

(Dollars in Thousands)

| Employer Code | Employer | Net GLI OPEB Liability June 30, 2018 | Total GLI OPEB Expense FY 2018 |
|------------------|--|--------------------------------------|--------------------------------|
| State: | | | |
| 1XXXX | Judicial Retirement System Employees | \$ 5,454 | \$ 7 |
| 2XXXX | State Police Officers' Retirement System Employees | 9,929 | 106 |
| 35885 | Fort Monroe Federal Area Development Authority | 125 | 3 |
| 3XXXX | All Other State Agency Employees | 420,587 | 2,818 |
| 7XXXX | Virginia Law Officers' Retirement System Employees | 27,692 | (97) |
| | Sub-total State | \$ 463,787 | \$ 2,837 |
| Teachers: | | | |
| 40100 | Accomack County School Board | \$ 2,240 | \$ 24 |
| 40101 | Albemarle County Schools | 7,324 | 65 |
| 40102 | Alleghany County School Board | 908 | (11) |
| 40103 | Amelia County School Board | 677 | 2 |
| 40104 | Amherst County School Board | 1,830 | (16) |
| 40105 | Appomattox County School Board | 906 | 13 |
| 40106 | Arlington Public Schools | 24,253 | 364 |
| 40107 | Augusta County School Board | 4,609 | 21 |
| 40108 | Bath County School Board | 368 | (1) |
| 40109 | Bedford County School Board | 4,014 | 18 |
| 40110 | Bland County School Board | 290 | (2) |
| 40111 | Botetourt County Schools | 2,133 | — |
| 40112 | Brunswick County Public Schools | 743 | (5) |
| 40113 | Buchanan County School Board | 1,107 | (16) |
| 40114 | Buckingham County School Board | 853 | (4) |
| 40115 | Campbell County School Board | 3,064 | 2 |
| 40116 | Caroline County School Board | 1,689 | 17 |
| 40117 | Carroll County School Board | 1,706 | 10 |
| 40118 | Charles City County School Board | 356 | (2) |
| 40119 | Charlotte County School Board | 912 | (1) |
| 40120 | Chesterfield County School Board | 24,263 | 306 |
| 40121 | Clarke County School Board | 987 | 7 |
| 40122 | Craig County School Board | 278 | (2) |
| 40123 | Culpeper County School Board | 3,549 | 23 |
| 40124 | Cumberland County School Board | 618 | (3) |
| 40125 | Dickenson County School Board | 766 | (19) |
| 40126 | Dinwiddie County School Board | 1,840 | 7 |

Virginia Retirement System
VRS Group Life Insurance Plan
Schedule of Net GLI OPEB Liability and Total GLI OPEB Expense - continued
As of the Measurement Date and for the Plan Year Ended June 30, 2018

(Dollars in Thousands)

| Employer Code | Employer | Net GLI OPEB Liability June 30, 2018 | Total GLI OPEB Expense FY 2018 |
|---------------|------------------------------------|--------------------------------------|--------------------------------|
| 40128 | Essex County Public Schools | 621 | (8) |
| 40129 | Fairfax County School Board | 118,262 | 1,308 |
| 40130 | Fauquier County School Board | 5,835 | (5) |
| 40131 | Floyd County School Board | 851 | 4 |
| 40132 | Fluvanna County Public Schools | 1,935 | 7 |
| 40133 | Franklin County Public Schools | 3,446 | 47 |
| 40134 | Frederick County School Board | 7,071 | 41 |
| 40135 | Giles County Schools | 1,003 | 9 |
| 40136 | Gloucester County School Board | 2,397 | 18 |
| 40137 | Goochland County School Board | 1,233 | 12 |
| 40138 | Grayson County School Board | 717 | 6 |
| 40139 | Greene County Public Schools | 1,396 | 9 |
| 40140 | Greensville County School Board | 1,044 | 8 |
| 40141 | Halifax County School Board | 2,169 | (24) |
| 40142 | Hanover County School Board | 8,115 | 48 |
| 40143 | Henrico County School Board | 21,416 | 140 |
| 40144 | Henry County Public Schools | 2,935 | 14 |
| 40145 | Highland County Public Schools | 155 | — |
| 40146 | Isle of Wight County Schools | 2,369 | 13 |
| 40148 | King George County School Board | 1,830 | 34 |
| 40149 | King & Queen County School Board | 369 | 6 |
| 40150 | King William County School Board | 958 | 2 |
| 40151 | Lancaster County Public Schools | 621 | 2 |
| 40152 | Lee County School Board | 1,505 | 11 |
| 40153 | Loudoun County School Board | 46,412 | 951 |
| 40154 | Louisa County Public Schools | 2,288 | 26 |
| 40155 | Lunenburg County School Board | 624 | (9) |
| 40156 | Madison County School Board | 816 | 8 |
| 40157 | Mathews County School Board | 515 | (1) |
| 40158 | Mecklenburg County School Board | 1,834 | 5 |
| 40159 | Middlesex County School Board | 623 | 7 |
| 40160 | Montgomery County School Board | 4,119 | 49 |
| 40162 | Nelson County Public Schools | 934 | 3 |
| 40163 | New Kent County School Board | 1,314 | 17 |
| 40165 | Northampton County Schools | 741 | — |
| 40166 | Northumberland County School Board | 665 | 9 |

Virginia Retirement System
VRS Group Life Insurance Plan
Schedule of Net GLI OPEB Liability and Total GLI OPEB Expense - continued
As of the Measurement Date and for the Plan Year Ended June 30, 2018

(Dollars in Thousands)

| Employer Code | Employer | Net GLI OPEB Liability June 30, 2018 | Total GLI OPEB Expense FY 2018 |
|---------------|------------------------------------|--------------------------------------|--------------------------------|
| 40167 | Nottoway County School Board | 895 | — |
| 40168 | Orange County Public Schools | 2,145 | 5 |
| 40169 | Page County Public Schools | 1,470 | (2) |
| 40170 | Patrick County School Board | 1,051 | — |
| 40171 | Pittsylvania County School Board | 3,529 | 47 |
| 40172 | Powhatan County School Board | 1,886 | 1 |
| 40173 | Prince Edward County School Board | 963 | — |
| 40174 | Prince George County School Board | 2,612 | — |
| 40176 | Prince William County School Board | 43,550 | 558 |
| 40177 | Pulaski County School Board | 1,735 | (1) |
| 40178 | Rappahannock County School Board | 451 | (2) |
| 40179 | Richmond County School Board | 527 | 3 |
| 40180 | Roanoke County School Board | 6,157 | 50 |
| 40181 | Rockbridge County School Board | 1,323 | 6 |
| 40182 | Rockingham County School Board | 5,317 | 35 |
| 40183 | Russell County School Board | 1,468 | 1 |
| 40184 | Scott County School Board | 1,603 | 8 |
| 40185 | Shenandoah County School Board | 2,787 | 7 |
| 40186 | Smyth County School Board | 1,782 | (12) |
| 40187 | Southampton County School Board | 1,050 | 5 |
| 40188 | Spotsylvania County School Board | 10,104 | 2 |
| 40189 | Stafford County School Board | 12,250 | 105 |
| 40190 | Surry County Schools | 635 | 1 |
| 40191 | Sussex County School Board | 632 | 1 |
| 40192 | Tazewell County Schools | 2,063 | (17) |
| 40193 | Warren County School Board | 2,383 | 18 |
| 40195 | Washington County School Board | 2,818 | (1) |
| 40196 | Westmoreland County School Board | 782 | 13 |
| 40197 | Wise County School Board | 2,071 | (40) |
| 40198 | Wythe County School Board | 1,658 | — |
| 40199 | York County School Board | 5,432 | 4 |
| 40200 | Alexandria City School Board | 12,045 | 78 |
| 40201 | Bristol City School Board | 966 | (4) |
| 40202 | Buena Vista City Schools | 418 | (2) |
| 40203 | Charlottesville Public Schools | 3,110 | 23 |
| 40205 | Danville City Schools | 2,517 | (10) |

Virginia Retirement System
VRS Group Life Insurance Plan
Schedule of Net GLI OPEB Liability and Total GLI OPEB Expense - continued
As of the Measurement Date and for the Plan Year Ended June 30, 2018

(Dollars in Thousands)

| Employer Code | Employer | Net GLI OPEB Liability June 30, 2018 | Total GLI OPEB Expense FY 2018 |
|---------------|---|--------------------------------------|--------------------------------|
| 40206 | Fredericksburg City Schools | 1,857 | 11 |
| 40207 | Hampton City Schools | 8,808 | 29 |
| 40208 | Harrisonburg City School Board | 3,174 | 61 |
| 40209 | Hopewell City School Board | 1,994 | 20 |
| 40210 | Lynchburg Public Schools | 4,481 | (9) |
| 40211 | Newport News Public Schools | 12,936 | 37 |
| 40212 | Norfolk Public Schools | 16,679 | (167) |
| 40213 | Petersburg City Schools | 1,831 | (19) |
| 40214 | Portsmouth School Board | 6,507 | (2) |
| 40215 | Radford City School Board | 700 | 5 |
| 40216 | Richmond Public Schools | 13,425 | 96 |
| 40217 | Roanoke City School Board | 6,410 | 29 |
| 40219 | Staunton City Schools | 1,382 | 3 |
| 40220 | Suffolk City School Board | 6,154 | 46 |
| 40222 | Winchester Public Schools | 2,366 | 4 |
| 40223 | Martinsville City Schools | 933 | (1) |
| 40224 | Falls Church Public Schools | 2,068 | 8 |
| 40225 | Colonial Heights City Schools | 1,521 | 6 |
| 40230 | Covington City School Board | 436 | 2 |
| 40231 | Fairfax City School Board | 8 | — |
| 40232 | Franklin City Public Schools | 567 | (10) |
| 40233 | Chesapeake Public Schools | 18,568 | 145 |
| 40234 | Virginia Beach City School Board | 32,738 | 156 |
| 40236 | Manassas Park City Schools | 1,746 | 2 |
| 40306 | Town of West Point School Board | 436 | 8 |
| 40307 | Lexington City School Board | 230 | 4 |
| 40308 | Waynesboro Public Schools | 1,445 | 5 |
| 40309 | Town of Colonial Beach Schools | 290 | 3 |
| 40313 | Galax City Schools | 569 | — |
| 40314 | Norton City Schools | 286 | (4) |
| 40332 | Manassas City Schools | 4,296 | (36) |
| 40335 | City of Salem Schools | 1,801 | 12 |
| 40402 | Williamsburg-James City County School Board | 5,518 | 16 |
| 40403 | Poquoson City Public Schools | 922 | 3 |
| 40410 | Valley Vocational Technical Center | 156 | — |
| 40412 | Charlottesville/Albemarle Vo-Tech Center | 81 | (1) |

Virginia Retirement System
VRS Group Life Insurance Plan
Schedule of Net GLI OPEB Liability and Total GLI OPEB Expense - continued
As of the Measurement Date and for the Plan Year Ended June 30, 2018

(Dollars in Thousands)

| Employer Code | Employer | Net GLI OPEB Liability June 30, 2018 | Total GLI OPEB Expense FY 2018 |
|---------------|---|--------------------------------------|--------------------------------|
| 40413 | The Pruden Center for Industry and Technology | — | (21) |
| 40414 | Jackson River Technical Center | 48 | (1) |
| 40415 | New Horizons Technical Center | 701 | 11 |
| 40416 | Northern Neck Regional Vocational Center | 90 | (2) |
| 40417 | Rowanty Vocational Technical Center | 55 | (1) |
| 40418 | Amelia-Nottoway Vocational Center | 17 | — |
| 40421 | Northern Neck Regional Special Education Program | 70 | 4 |
| 40423 | Maggie Walker Governor's School for Govt & Intl Studies | 359 | 2 |
| 40424 | Appomattox Region Governor's School | 136 | (1) |
| 40425 | Bridging Communities Regional Career and Tech Center | 43 | 1 |
| | Sub-total Teachers | \$ 648,444 | \$ 4,898 |

Political Subdivisions:

| | | | |
|-------|---------------------|--------|------|
| 55100 | Accomack County | \$ 933 | \$ 9 |
| 55101 | Albemarle County | 3,302 | 32 |
| 55102 | Alleghany County | 625 | 11 |
| 55103 | Amelia County | 336 | 3 |
| 55104 | Amherst County | 692 | 15 |
| 55105 | Appomattox County | 313 | (3) |
| 55107 | Augusta County | 1,689 | 27 |
| 55108 | Bath County | 211 | (3) |
| 55109 | Bedford County | 1,583 | 38 |
| 55110 | Bland County | 199 | 5 |
| 55111 | Botetourt County | 914 | — |
| 55112 | Brunswick County | 427 | 10 |
| 55113 | Buchanan County | 847 | (6) |
| 55114 | Buckingham County | 336 | — |
| 55115 | Campbell County | 1,091 | 5 |
| 55116 | Caroline County | 977 | 27 |
| 55117 | Carroll County | 633 | 2 |
| 55118 | Charles City County | 255 | 5 |
| 55119 | Charlotte County | 354 | 3 |
| 55120 | Chesterfield County | 15,087 | 74 |
| 55121 | Clarke County | 385 | 6 |
| 55122 | Craig County | 131 | 4 |
| 55123 | Culpeper County | 1,474 | 19 |

Virginia Retirement System
VRS Group Life Insurance Plan
Schedule of Net GLI OPEB Liability and Total GLI OPEB Expense - continued
As of the Measurement Date and for the Plan Year Ended June 30, 2018

(Dollars in Thousands)

| Employer Code | Employer | Net GLI OPEB Liability June 30, 2018 | Total GLI OPEB Expense FY 2018 |
|---------------|-----------------------|--------------------------------------|--------------------------------|
| 55124 | Cumberland County | 271 | 3 |
| 55125 | Dickenson County | — | — |
| 55126 | Dinwiddie County | 795 | 16 |
| 55128 | Essex County | 312 | (1) |
| 55130 | Fauquier County | 2,919 | 40 |
| 55131 | Floyd County | 342 | 8 |
| 55132 | Fluvanna County | 556 | 10 |
| 55133 | Franklin County | 1,137 | 14 |
| 55134 | Frederick County | 3,295 | 58 |
| 55135 | Giles County | 477 | 5 |
| 55136 | Gloucester County | 1,131 | 2 |
| 55137 | Goochland County | 912 | 21 |
| 55138 | Grayson County | 360 | 7 |
| 55139 | Greene County | 435 | 3 |
| 55140 | Greensville County | 377 | 6 |
| 55141 | Halifax County | 643 | 2 |
| 55142 | Hanover County | 5,054 | 57 |
| 55143 | Henrico County | 19,970 | 144 |
| 55144 | Henry County | 1,323 | 11 |
| 55145 | Highland County | 111 | 3 |
| 55146 | Isle of Wight County | 1,085 | 12 |
| 55147 | James City County | 3,241 | 31 |
| 55148 | King George County | 874 | 13 |
| 55149 | King and Queen County | 198 | 2 |
| 55150 | King William County | 313 | 3 |
| 55151 | Lancaster County | 392 | 4 |
| 55152 | Lee County | 402 | (1) |
| 55153 | Loudoun County | 16,786 | 184 |
| 55154 | Louisa County | 966 | 10 |
| 55155 | Lunenburg County | 169 | (2) |
| 55156 | Madison County | 369 | 3 |
| 55157 | Mathews County | 205 | 1 |
| 55158 | Mecklenburg County | 686 | 8 |
| 55159 | Middlesex County | 233 | 3 |
| 55160 | Montgomery County | 1,431 | 3 |
| 55162 | Nelson County | 328 | 2 |

Virginia Retirement System
VRS Group Life Insurance Plan
Schedule of Net GLI OPEB Liability and Total GLI OPEB Expense - continued
As of the Measurement Date and for the Plan Year Ended June 30, 2018

(Dollars in Thousands)

| Employer Code | Employer | Net GLI OPEB Liability June 30, 2018 | Total GLI OPEB Expense FY 2018 |
|---------------|-----------------------|--------------------------------------|--------------------------------|
| 55163 | New Kent County | 728 | 11 |
| 55165 | Northampton County | 668 | 2 |
| 55166 | Northumberland County | 339 | 7 |
| 55167 | Nottoway County | 281 | 5 |
| 55168 | Orange County | 830 | 7 |
| 55169 | Page County | 567 | 4 |
| 55170 | Patrick County | 488 | 10 |
| 55171 | Pittsylvania County | 1,181 | 11 |
| 55172 | Powhatan County | 639 | 7 |
| 55173 | Prince Edward County | 416 | 1 |
| 55174 | Prince George County | 995 | (1) |
| 55176 | Prince William County | 21,239 | 270 |
| 55177 | County of Pulaski | 968 | 12 |
| 55178 | Rappahannock County | 230 | — |
| 55179 | Richmond County | 233 | 4 |
| 55180 | Roanoke County | 3,822 | 35 |
| 55181 | Rockbridge County | 542 | 6 |
| 55182 | Rockingham County | 2,081 | 27 |
| 55183 | Russell County | 494 | 7 |
| 55184 | Scott County | 456 | 4 |
| 55185 | Shenandoah County | 1,030 | 7 |
| 55186 | Smyth County | 602 | (1) |
| 55187 | Southampton County | 637 | 3 |
| 55188 | Spotsylvania County | 4,043 | 64 |
| 55189 | Stafford County | 4,189 | 60 |
| 55190 | Surry County | 332 | 2 |
| 55191 | Sussex County | 389 | (3) |
| 55192 | Tazewell County | 913 | (4) |
| 55193 | Warren County | 873 | 13 |
| 55195 | Washington County | 862 | 3 |
| 55196 | Westmoreland County | 496 | 14 |
| 55197 | Wise County | 882 | 3 |
| 55198 | Wythe County | 546 | 4 |
| 55199 | York County | 3,276 | 33 |
| 55200 | City of Alexandria | — | — |
| 55201 | City of Bristol | 1,095 | (13) |

Virginia Retirement System
VRS Group Life Insurance Plan
Schedule of Net GLI OPEB Liability and Total GLI OPEB Expense - continued
As of the Measurement Date and for the Plan Year Ended June 30, 2018

(Dollars in Thousands)

| Employer Code | Employer | Net GLI OPEB Liability June 30, 2018 | Total GLI OPEB Expense FY 2018 |
|---------------|--------------------------|--------------------------------------|--------------------------------|
| 55202 | City of Buena Vista | 262 | 1 |
| 55203 | Town of St. Paul | 59 | 1 |
| 55204 | Town of Clifton Forge | 112 | (3) |
| 55205 | City of Danville | — | — |
| 55206 | City of Fredericksburg | 1,939 | 13 |
| 55207 | City of Hampton | 7,275 | 13 |
| 55208 | City of Harrisonburg | 2,429 | 19 |
| 55209 | City of Hopewell | 1,491 | 22 |
| 55210 | City of Lynchburg | 4,384 | 17 |
| 55211 | Town of Crewe | 80 | 4 |
| 55212 | City of Norfolk | 2,148 | (9) |
| 55213 | City of Petersburg | 1,790 | (41) |
| 55214 | City of Portsmouth | 5,491 | 13 |
| 55215 | City of Radford | 811 | 1 |
| 55216 | City of Richmond | 2,061 | (7) |
| 55217 | City of Roanoke | 710 | 2 |
| 55218 | Town of Craigsville | 16 | — |
| 55219 | City of Staunton | 1,118 | 9 |
| 55220 | City of Suffolk | 5,308 | 93 |
| 55221 | City of Williamsburg | 846 | 8 |
| 55222 | City of Winchester | 1,997 | 3 |
| 55223 | City of Martinsville | 1,079 | (3) |
| 55224 | City of Falls Church | 105 | — |
| 55225 | City of Colonial Heights | 1,053 | (3) |
| 55226 | Town of Front Royal | 608 | 4 |
| 55227 | Town of Boyce | — | — |
| 55228 | Town of Middletown | — | — |
| 55229 | Town of Chilhowie | 67 | (2) |
| 55230 | City of Covington | 303 | — |
| 55231 | Town of Floyd | 13 | — |
| 55232 | City of Franklin | 610 | (1) |
| 55233 | City of Chesapeake | 12,859 | 133 |
| 55234 | City of Virginia Beach | 26,225 | 256 |
| 55235 | City of Norton | 257 | — |
| 55236 | City of Manassas Park | 752 | 7 |
| 55237 | Town of Exmore | — | — |

Virginia Retirement System
VRS Group Life Insurance Plan
Schedule of Net GLI OPEB Liability and Total GLI OPEB Expense - continued
As of the Measurement Date and for the Plan Year Ended June 30, 2018

(Dollars in Thousands)

| Employer Code | Employer | Net GLI OPEB Liability June 30, 2018 | Total GLI OPEB Expense FY 2018 |
|---------------|------------------------|--------------------------------------|--------------------------------|
| 55238 | Town of Pound | — | — |
| 55239 | Town of Grottoes | 65 | — |
| 55240 | Town of Onley | 21 | 1 |
| 55241 | Town of West Point | 121 | 2 |
| 55242 | Town of South Hill | — | — |
| 55243 | Town of Rural Retreat | — | — |
| 55244 | Town of Dillwyn | — | — |
| 55245 | Town of Scottsville | 12 | (1) |
| 55246 | Town of Burkeville | 9 | — |
| 55247 | Town of Madison | 2 | 1 |
| 55248 | Town of Pennington Gap | — | — |
| 55249 | Town of La Crosse | — | — |
| 55250 | Town of Rich Creek | 10 | 2 |
| 55251 | Town of White Stone | — | — |
| 55252 | Town of Windsor | 48 | (1) |
| 55253 | Town of Haysi | — | — |
| 55254 | Town of Stephens City | 34 | 2 |
| 55255 | Town of Broadax | — | — |
| 55256 | Town of Mineral | — | — |
| 55257 | Town of Lebanon | 171 | (1) |
| 55258 | City of Newport News | 5,159 | 228 |
| 55259 | Town of Richlands | — | — |
| 55260 | Town of Haymarket | 45 | (3) |
| 55261 | Town of Lovettsville | 41 | (3) |
| 55300 | Town of Abingdon | 411 | (5) |
| 55301 | Town of Dumfries | 111 | 2 |
| 55302 | Town of Iron Gate | 3 | (2) |
| 55303 | Town of Montross | 7 | — |
| 55304 | Town of South Boston | 256 | 3 |
| 55305 | Town of Gretna | 36 | — |
| 55306 | Town of Remington | 12 | — |
| 55307 | City of Lexington | 397 | (3) |
| 55308 | City of Waynesboro | 1,054 | (3) |
| 55309 | Town of Colonial Beach | 140 | (2) |
| 55310 | Town of Smithfield | 228 | 3 |
| 55311 | Town of Brookneal | 23 | (1) |

Virginia Retirement System
VRS Group Life Insurance Plan
Schedule of Net GLI OPEB Liability and Total GLI OPEB Expense - continued
As of the Measurement Date and for the Plan Year Ended June 30, 2018

(Dollars in Thousands)

| Employer Code | Employer | Net GLI OPEB Liability June 30, 2018 | Total GLI OPEB Expense FY 2018 |
|---------------|------------------------|--------------------------------------|--------------------------------|
| 55312 | Town of Hamilton | 24 | — |
| 55313 | City of Galax | 493 | — |
| 55314 | Town of Jonesville | 31 | — |
| 55315 | Town of Wytheville | 524 | 2 |
| 55316 | City of Fairfax | — | — |
| 55317 | Town of Vienna | 991 | 9 |
| 55318 | Town of Vinton | 301 | 5 |
| 55319 | City of Emporia | 384 | 9 |
| 55320 | Town of Culpeper | 755 | 2 |
| 55321 | Town of Woodstock | 222 | 3 |
| 55322 | Town of Glasgow | 15 | 3 |
| 55323 | Town of Marion | 271 | 3 |
| 55324 | Town of Altavista | 181 | 3 |
| 55325 | Town of Herndon | 1,350 | 8 |
| 55326 | Town of Pearisburg | 106 | — |
| 55327 | Town of Christiansburg | — | — |
| 55328 | Town of Wakefield | — | — |
| 55329 | Town of Leesburg | 1,895 | 5 |
| 55330 | Town of Chatham | 41 | (3) |
| 55331 | Town of Bowling Green | 27 | 2 |
| 55332 | City of Manassas | 2,423 | 24 |
| 55333 | Town of Alberta | — | — |
| 55334 | Town of Boydton | 17 | 1 |
| 55335 | City of Salem | 1,811 | (6) |
| 55336 | Town of McKenney | 3 | — |
| 55337 | Town of Narrows | — | — |
| 55338 | Town of Quantico | 12 | — |
| 55339 | Town of Halifax | 26 | (2) |
| 55340 | Town of Blacksburg | 1,206 | 12 |
| 55341 | Town of Chincoteague | 161 | 2 |
| 55342 | Town of Lawrenceville | 72 | — |
| 55343 | Town of Amherst | 65 | (2) |
| 55344 | Town of Stanley | 52 | 3 |
| 55345 | Town of Hillsville | 119 | 2 |
| 55346 | Town of Elkton | 85 | 1 |
| 55347 | Town of Bridgewater | 199 | 3 |

Virginia Retirement System
VRS Group Life Insurance Plan
Schedule of Net GLI OPEB Liability and Total GLI OPEB Expense - continued
As of the Measurement Date and for the Plan Year Ended June 30, 2018

(Dollars in Thousands)

| Employer Code | Employer | Net GLI OPEB Liability June 30, 2018 | Total GLI OPEB Expense FY 2018 |
|---------------|-----------------------|--------------------------------------|--------------------------------|
| 55348 | Town of Purcellville | 373 | 1 |
| 55349 | Town of Timberville | 52 | 3 |
| 55350 | Town of Wise | 174 | 1 |
| 55351 | Town of New Market | 66 | (1) |
| 55352 | Town of Tappahannock | — | — |
| 55353 | Town of Rocky Mount | 223 | 1 |
| 55354 | Town of Big Stone Gap | — | — |
| 55355 | Town of Luray | 154 | (1) |
| 55357 | Town of Strasburg | 224 | 2 |
| 55358 | Town of Appomattox | — | — |
| 55359 | Town of Clarksville | 67 | — |
| 55360 | Town of Dublin | 75 | (2) |
| 55361 | Town of Middleburg | 75 | 2 |
| 55362 | Town of Edinburg | — | — |
| 55363 | Town of Chase City | 94 | 1 |
| 55364 | City of Bedford | 310 | 3 |
| 55365 | City of Poquoson | 497 | 4 |
| 55366 | Town of Ashland | 269 | 2 |
| 55367 | Town of Broadway | 78 | 5 |
| 55368 | Town of Berryville | 119 | 2 |
| 55369 | Town of Tazewell | — | — |
| 55370 | Town of Urbanna | 7 | — |
| 55371 | Town of Bluefield | 190 | — |
| 55372 | Town of Weber City | 13 | — |
| 55374 | Town of Hurt | 11 | — |
| 55375 | Town of Waverly | — | — |
| 55376 | Town of Coeburn | 54 | (2) |
| 55377 | Town of Dayton | 65 | 1 |
| 55378 | Town of Courtland | 9 | (1) |
| 55379 | Town of Cape Charles | 109 | 2 |
| 55380 | Town of Independence | — | — |
| 55381 | Town of Warsaw | 49 | 2 |
| 55382 | Town of Grundy | 55 | (3) |
| 55383 | Town of Warrenton | 478 | 8 |
| 55384 | Town of Louisa | 54 | (2) |
| 55385 | Town of Kenbridge | 35 | 1 |

Virginia Retirement System
VRS Group Life Insurance Plan
Schedule of Net GLI OPEB Liability and Total GLI OPEB Expense - continued
As of the Measurement Date and for the Plan Year Ended June 30, 2018

(Dollars in Thousands)

| Employer Code | Employer | Net GLI OPEB Liability June 30, 2018 | Total GLI OPEB Expense FY 2018 |
|---------------|---|--------------------------------------|--------------------------------|
| 55386 | Town of Mt. Jackson | 64 | 1 |
| 55387 | Town of Pulaski | 330 | 2 |
| 55388 | Town of Jarratt | — | — |
| 55389 | Town of Pembroke | 19 | (1) |
| 55390 | Town of Parksley | 11 | (2) |
| 55391 | Town of Onancock | 47 | (2) |
| 55392 | Town of Victoria | 40 | (3) |
| 55393 | Town of Shenandoah | 54 | (1) |
| 55394 | Town of Gate City | — | — |
| 55395 | Town of Round Hill | 66 | (2) |
| 55396 | Town of Kilmarnock | 72 | 2 |
| 55397 | Town of Orange | 186 | 1 |
| 55398 | Town of Saltville | — | — |
| 55399 | Town of Blackstone | 160 | (2) |
| 55401 | Southeastern Virginia Public Service Authority | 468 | (3) |
| 55402 | Pittsylvania County Service Authority | 26 | 1 |
| 55403 | Spotsylvania-Stafford-Fredericksburg Group Home | 43 | (2) |
| 55404 | Appomattox Regional Library | 54 | — |
| 55405 | Staunton Redevelopment & Housing Authority | 30 | — |
| 55406 | Hampton Newport News Community Services Board | — | — |
| 55408 | Charles Pinckney Jones Memorial Library | 7 | (1) |
| 55409 | Southside Regional Juvenile Group Home Commission | 10 | 1 |
| 55411 | Hampton Roads Sanitation District | 3,981 | 38 |
| 55412 | Peninsula Airport Commission | 182 | (2) |
| 55413 | Richmond Redevelopment & Housing Authority | 648 | 3 |
| 55415 | Chesapeake Redevelopment & Housing Authority | 168 | 4 |
| 55416 | Alexandria Sanitation Authority | — | — |
| 55417 | Norfolk Airport Authority | 945 | 16 |
| 55418 | Charlottesville Redevelopment & Housing Authority | 47 | — |
| 55419 | Hampton Redevelopment & Housing Authority | 231 | 1 |
| 55420 | Loudoun County Sanitation Authority | 1,756 | 28 |
| 55421 | Danville Redevelopment & Housing Authority | 105 | 1 |
| 55422 | NRV Regional Water Authority | 94 | 3 |
| 55423 | Northern Virginia Juvenile Detention Home | 358 | (2) |
| 55424 | Hopewell Redevelopment and Housing Authority | — | — |
| 55425 | Colonial Services Board | 727 | 13 |

Virginia Retirement System
VRS Group Life Insurance Plan
Schedule of Net GLI OPEB Liability and Total GLI OPEB Expense - continued
As of the Measurement Date and for the Plan Year Ended June 30, 2018

(Dollars in Thousands)

| Employer Code | Employer | Net GLI OPEB Liability June 30, 2018 | Total GLI OPEB Expense FY 2018 |
|---------------|---|--------------------------------------|--------------------------------|
| 55426 | Blacksburg-VPI Sanitation Authority | 77 | (2) |
| 55427 | Potomac River Fisheries Commission | 22 | (2) |
| 55428 | Chesapeake Bay Bridge & Tunnel District | 643 | 5 |
| 55429 | Alexandria Redevelopment & Housing Authority | 395 | 5 |
| 55430 | Albemarle County Service Authority | 313 | 3 |
| 55431 | Franklin Redevelopment & Housing Authority | 36 | 2 |
| 55432 | Bristol Redevelopment & Housing Authority | 82 | 3 |
| 55433 | Norfolk Redevelopment & Housing Authority | 1,104 | 12 |
| 55435 | Richmond Metropolitan Authority | 300 | (6) |
| 55436 | Riverside Regional Jail | 1,242 | 12 |
| 55439 | Rappahannock-Rapidan Planning District Commission | 29 | — |
| 55440 | Shenandoah Valley Juvenile Detention Home | 256 | 8 |
| 55442 | Southside Regional Library Board | — | — |
| 55443 | Bedford Public Library | 53 | (1) |
| 55445 | Chesterfield County Health Center Commission | 482 | (13) |
| 55446 | Washington County Service Authority | 289 | 4 |
| 55447 | Rappahannock Area Community Services Board | 1,588 | 32 |
| 55449 | Hampton Roads Planning District Commission | 266 | — |
| 55450 | Meherrin Regional Library | 21 | (1) |
| 55451 | New River Valley Planning District | — | — |
| 55452 | Northern Virginia Healthcare Center & District Home | — | — |
| 55453 | Rockbridge Area Community Services Board | 346 | 6 |
| 55454 | Greensville/Emporia Department of Social Services | 86 | (2) |
| 55455 | James City Service Authority | 340 | 4 |
| 55456 | Accomack-Northampton Planning District Commission | 57 | (3) |
| 55457 | Harrisonburg/Rockingham Sewer Authority | 125 | (1) |
| 55458 | Wytheville Redevelopment & Housing Authority | 37 | (3) |
| 55459 | Waynesboro Redevelopment and Housing Authority | 55 | (3) |
| 55460 | Region Ten Community Services Board | 1,749 | 20 |
| 55462 | LENOWISCO Planning District Commission | 23 | (4) |
| 55465 | Rivanna Water & Sewer Authority | 389 | 6 |
| 55466 | Appomattox River Water Authority | 118 | (3) |
| 55467 | Campbell County Utilities and Service Authority | 100 | 1 |
| 55469 | Eastern Shore Community Services Board | 402 | 8 |
| 55470 | ANCHOR Commission | 15 | — |
| 55471 | Central Virginia Community Services | 2,226 | (1) |

Virginia Retirement System
VRS Group Life Insurance Plan
Schedule of Net GLI OPEB Liability and Total GLI OPEB Expense - continued
As of the Measurement Date and for the Plan Year Ended June 30, 2018

(Dollars in Thousands)

| Employer Code | Employer | Net GLI OPEB Liability June 30, 2018 | Total GLI OPEB Expense FY 2018 |
|---------------|--|--------------------------------------|--------------------------------|
| 55472 | District 19 Community Services Board | 702 | (2) |
| 55473 | Tidewater Transportation District | 1,377 | — |
| 55474 | Upper Occoquan Sewage Authority | 1,114 | 3 |
| 55475 | New River Valley Juvenile Detention Home | 61 | (4) |
| 55476 | Rockbridge Regional Library | — | — |
| 55477 | Frederick County Sanitation Authority | 287 | 7 |
| 55478 | Western Tidewater Community Services Board | — | — |
| 55479 | Cumberland Mountain Community Services | 892 | 23 |
| 55482 | Middle Peninsula/Northern Neck Public Service Auth | 1,069 | 9 |
| 55483 | Rockbridge County Public Service Authority | 32 | — |
| 55484 | Danville-Pittsylvania Mental Health Services Board | 793 | 13 |
| 55485 | Crater Youth Care Commission | 102 | 3 |
| 55486 | Southeastern Tidewater Manpower Authority | 141 | (2) |
| 55487 | Capital Regional Airport Commission | 689 | 13 |
| 55488 | Northwestern Community Services Board | 597 | 16 |
| 55489 | Harrisonburg-Rockingham Community Services Board | 520 | 12 |
| 55491 | Middle Peninsula Regional Security Center | 227 | (1) |
| 55492 | Northern Neck Planning District Commission | 22 | — |
| 55493 | Planning District One Community Services Board | 20 | — |
| 55494 | Rockbridge Area Social Services Board | 78 | 2 |
| 55495 | Dinwiddie County Water Authority | 43 | — |
| 55496 | Rappahannock Rapidan Community Services | 814 | (3) |
| 55498 | Valley Community Services Board | 820 | 1 |
| 55499 | Eastern Shore Public Library | 18 | 2 |
| 55500 | Alexandria City Public Schools | 651 | 2 |
| 55501 | Albemarle County Public Schools | 568 | 8 |
| 55502 | Alleghany Highlands Public Schools | 145 | — |
| 55503 | Charlottesville City Public Schools | 159 | (2) |
| 55504 | Amherst County Public Schools | 214 | 2 |
| 55505 | Appomattox County Public Schools | 56 | (1) |
| 55506 | Arlington County Public Schools | 1,735 | 41 |
| 55507 | Augusta County Public Schools | 205 | (2) |
| 55508 | Bath County Public Schools | 51 | (1) |
| 55509 | Bedford County Public Schools | 441 | — |
| 55510 | Bland County Public Schools | 31 | (1) |
| 55511 | Botetourt County Public Schools | 204 | 3 |

Virginia Retirement System
VRS Group Life Insurance Plan
Schedule of Net GLI OPEB Liability and Total GLI OPEB Expense - continued
As of the Measurement Date and for the Plan Year Ended June 30, 2018

(Dollars in Thousands)

| Employer Code | Employer | Net GLI OPEB Liability June 30, 2018 | Total GLI OPEB Expense FY 2018 |
|---------------|--------------------------------------|--------------------------------------|--------------------------------|
| 55512 | Norfolk Public Schools | 1,392 | 10 |
| 55513 | Petersburg City Public Schools | 188 | (2) |
| 55514 | Buckingham County Public Schools | 68 | (2) |
| 55515 | Radford City Public Schools | 28 | (1) |
| 55516 | Caroline County Public Schools | 110 | 1 |
| 55517 | Carroll County Public Schools | 164 | (8) |
| 55518 | Charles City County Public Schools | 19 | (1) |
| 55519 | Charlotte County Public Schools | 54 | (1) |
| 55520 | Chesterfield County Public Schools | 1,371 | (50) |
| 55521 | Clarke County Public Schools | 54 | (2) |
| 55522 | Winchester City Public Schools | 182 | (1) |
| 55523 | Culpeper County Public Schools | 361 | 4 |
| 55524 | Cumberland County Public Schools | 55 | (2) |
| 55525 | Dickenson County Public Schools | 104 | (4) |
| 55526 | Dinwiddie County Public Schools | 146 | (5) |
| 55528 | Essex County Public Schools | 52 | (1) |
| 55530 | Covington City Public Schools | 29 | (3) |
| 55531 | Floyd County Public Schools | 128 | 4 |
| 55532 | Fluvanna County Public Schools | 183 | (1) |
| 55533 | Chesapeake City Public Schools | 1,709 | (7) |
| 55534 | Virginia Beach City Public Schools | 3,604 | 9 |
| 55535 | Giles County Public Schools | 30 | — |
| 55536 | Gloucester County Public Schools | 241 | (8) |
| 55537 | Goochland County Public Schools | 61 | 1 |
| 55538 | Grayson County Public Schools | 77 | (1) |
| 55539 | Greene County Public Schools | 137 | (1) |
| 55540 | Greensville County Public Schools | 71 | 1 |
| 55541 | Halifax County Public Schools | 132 | (4) |
| 55542 | Hanover County Public Schools | 411 | (11) |
| 55543 | Henrico County Public Schools | 59 | 1 |
| 55544 | Henry County Public Schools | 286 | 4 |
| 55545 | Highland County Public Schools | 19 | — |
| 55546 | Isle of Wight County Public Schools | 128 | (1) |
| 55548 | King George County Public Schools | 202 | 4 |
| 55549 | King and Queen County Public Schools | 59 | 2 |
| 55550 | King William County Public Schools | 103 | (1) |

Virginia Retirement System
VRS Group Life Insurance Plan
Schedule of Net GLI OPEB Liability and Total GLI OPEB Expense - continued
As of the Measurement Date and for the Plan Year Ended June 30, 2018

(Dollars in Thousands)

| Employer Code | Employer | Net GLI OPEB Liability June 30, 2018 | Total GLI OPEB Expense FY 2018 |
|---------------|--------------------------------------|--------------------------------------|--------------------------------|
| 55551 | Lancaster County Public Schools | 68 | (2) |
| 55552 | Lee County Public Schools | 159 | 1 |
| 55553 | Loudoun County Public Schools | 4,622 | 57 |
| 55554 | Louisa County Public Schools | 301 | — |
| 55555 | Lunenburg County Public Schools | 51 | (2) |
| 55556 | Madison County Public Schools | 68 | 1 |
| 55557 | Mathews County Public Schools | 64 | (1) |
| 55558 | Mecklenburg County Public Schools | 88 | 5 |
| 55559 | Middlesex County Public Schools | 37 | — |
| 55560 | Montgomery County Public Schools | 358 | (18) |
| 55562 | Nelson County Public Schools | 130 | — |
| 55563 | New Kent County Public Schools | 100 | 2 |
| 55565 | Northampton County Public Schools | 79 | (1) |
| 55566 | Northumberland County Public Schools | 58 | — |
| 55567 | Nottoway County Public Schools | 73 | — |
| 55568 | Orange County Public Schools | 249 | (2) |
| 55569 | Page County Public Schools | 149 | (2) |
| 55570 | Patrick County Public Schools | 143 | (2) |
| 55571 | Pittsylvania County Public Schools | 224 | — |
| 55572 | Powhatan County Public Schools | 136 | (1) |
| 55573 | Prince Edward County Public Schools | 48 | (1) |
| 55574 | Prince George County Public Schools | 295 | (4) |
| 55576 | Prince William County Public Schools | 4,637 | 40 |
| 55577 | Pulaski County Public Schools | 182 | 2 |
| 55578 | Rappahannock County Public Schools | 54 | (2) |
| 55579 | Richmond County Public Schools | 6 | (1) |
| 55580 | Roanoke County Public Schools | 252 | (1) |
| 55581 | Rockbridge County Public Schools | 105 | (2) |
| 55582 | Rockingham County Public Schools | 649 | — |
| 55583 | Russell County Public Schools | 210 | (1) |
| 55584 | Scott County Public Schools | 175 | — |
| 55585 | Shenandoah County Public Schools | 285 | (3) |
| 55586 | Smyth County Public Schools | 174 | (2) |
| 55587 | Southampton County Public Schools | 64 | (1) |
| 55588 | Spotsylvania County Public Schools | 743 | — |
| 55589 | Stafford County Public Schools | 696 | 5 |

Virginia Retirement System
VRS Group Life Insurance Plan
Schedule of Net GLI OPEB Liability and Total GLI OPEB Expense - continued
As of the Measurement Date and for the Plan Year Ended June 30, 2018

(Dollars in Thousands)

| Employer Code | Employer | Net GLI OPEB Liability June 30, 2018 | Total GLI OPEB Expense FY 2018 |
|---------------|---------------------------------------|--------------------------------------|--------------------------------|
| 55590 | Surry County Public Schools | 76 | (1) |
| 55591 | Sussex County School Board | 72 | — |
| 55592 | Tazewell County Public Schools | 303 | (3) |
| 55593 | Warren County Public Schools | 156 | — |
| 55595 | Washington County Public Schools | 209 | (2) |
| 55596 | Westmoreland County Public Schools | 57 | (1) |
| 55597 | Wise County Public Schools | 118 | (2) |
| 55598 | Wythe County Public Schools | 108 | 1 |
| 55599 | York County Public Schools | 516 | (2) |
| 55600 | Accomack County Public Schools | 237 | 1 |
| 55601 | Bristol VA Public Schools | 74 | 9 |
| 55602 | Buena Vista City Public Schools | 30 | 2 |
| 55603 | Amelia County Public Schools | 70 | (1) |
| 55605 | Danville City Public Schools | 154 | 1 |
| 55606 | Franklin City Public Schools | 33 | (2) |
| 55608 | Harrisonburg City Public Schools | 173 | 3 |
| 55609 | Hopewell City Public Schools | 164 | 3 |
| 55610 | Lynchburg City Public Schools | 306 | (1) |
| 55611 | Fauquier County Public Schools | 598 | 4 |
| 55612 | Brunswick County Public Schools | 90 | — |
| 55613 | PD Pruden Vocational-Technical Center | — | (1) |
| 55614 | Portsmouth City Public Schools | 621 | (4) |
| 55615 | Campbell County Public Schools | 256 | 4 |
| 55616 | Richmond Public Schools | 829 | (1) |
| 55617 | Roanoke City Schools | 293 | 8 |
| 55619 | Staunton City Public Schools | 90 | 3 |
| 55620 | Suffolk City Public Schools | 541 | 2 |
| 55622 | Craig County Public Schools | 25 | (2) |
| 55623 | Martinsville City Public Schools | 39 | — |
| 55624 | Appomattox Regional Governor's School | 8 | — |
| 55625 | Colonial Heights City Public Schools | 102 | 2 |
| 55632 | Manassas City Public Schools | 275 | (7) |
| 55633 | Franklin County Public Schools | 441 | 6 |
| 55634 | Frederick County Public Schools | 706 | 4 |
| 55635 | Salem City Public Schools | 102 | — |
| 55636 | Manassas Park City Public Schools | 105 | 1 |

Virginia Retirement System
VRS Group Life Insurance Plan
Schedule of Net GLI OPEB Liability and Total GLI OPEB Expense - continued
As of the Measurement Date and for the Plan Year Ended June 30, 2018

(Dollars in Thousands)

| Employer Code | Employer | Net GLI OPEB Liability June 30, 2018 | Total GLI OPEB Expense FY 2018 |
|---------------|--|--------------------------------------|--------------------------------|
| 55637 | Newport News Public Schools | 787 | 45 |
| 55708 | Waynesboro City Public Schools | 67 | 2 |
| 55710 | Valley Vocational-Technical Center | 6 | — |
| 55711 | New Horizons Regional Education Center | 25 | 1 |
| 55713 | Galax City Public Schools | 41 | — |
| 55714 | Norton City Public Schools | 17 | (2) |
| 55802 | Williamsburg-James City County Public Schools | 428 | (1) |
| 55803 | Poquoson City Public Schools | 42 | (3) |
| 55806 | Fredericksburg City Public Schools | 102 | (2) |
| 55807 | Hampton City Public Schools | 342 | 3 |
| 55813 | Buchanan County Public Schools | 163 | (5) |
| 55814 | Jackson River Technical Center | 6 | — |
| 55815 | Northern Neck Regional Vocational Center | 3 | — |
| 55862 | Crater Criminal Justice Training Academy | 22 | 4 |
| 55863 | Central Shenandoah Criminal Justice Training Academy | 31 | 5 |
| 55864 | New River Valley Emergency Comm Regional Authority | 124 | 23 |
| 55865 | Maury Service Authority | 57 | 10 |
| 55866 | Hampton Roads Transportation Accountability Commission | 20 | 2 |
| 55867 | Pamunkey Regional Library | 94 | 3 |
| 55868 | Northern Virginia Transportation Authority | 84 | 5 |
| 55869 | RSW Regional Jail Authority | 370 | (3) |
| 55870 | Bedford Regional Water Authority | 227 | 6 |
| 55871 | Portsmouth Redevelopment and Housing Authority | 283 | (2) |
| 55872 | Southwest Regional Recreation Authority | 34 | 4 |
| 55873 | Roanoke Redevelopment and Housing Authority | — | — |
| 55874 | Meherrin Regional Jail Authority | 395 | (7) |
| 55875 | Woodway Water Authority | 17 | — |
| 55876 | Bristol Virginia Utilities Authority (BVU) | 580 | (10) |
| 55877 | Washington Metropolitan Area Transit Commission | — | — |
| 55878 | Mount Rogers Community Services Board | 1,805 | 38 |
| 55879 | Lonesome Pine Soil & Water Conservation District | 3 | 1 |
| 55880 | Big Sandy Soil & Water Conservation District | — | — |
| 55881 | Virginia's Region 2000 Local Government Council | 140 | 1 |
| 55882 | Middle Peninsula Planning District Commission | 16 | (2) |
| 55883 | Western Virginia Regional Jail Authority | 648 | 5 |
| 55884 | Halifax Service Authority | 94 | — |

Virginia Retirement System
VRS Group Life Insurance Plan
Schedule of Net GLI OPEB Liability and Total GLI OPEB Expense - continued
As of the Measurement Date and for the Plan Year Ended June 30, 2018

(Dollars in Thousands)

| Employer Code | Employer | Net GLI OPEB Liability June 30, 2018 | Total GLI OPEB Expense FY 2018 |
|---------------|--|--------------------------------------|--------------------------------|
| 55886 | Russell County Public Service Authority | 36 | 3 |
| 55887 | Piedmont Community Services Board | 846 | 10 |
| 55888 | Blue Ridge Behavioral Health Care | 1,117 | 15 |
| 55889 | Skyline Soil and Water Conservation District | — | — |
| 55890 | Middle River Regional Jail Authority | 554 | 12 |
| 55891 | Tidewater Soil and Water Conservation District | — | — |
| 55892 | Big Stone Gap Redevelopment and Housing Authority | — | — |
| 55893 | Eastern Shore Soil and Water Conservation District | 14 | — |
| 55894 | Town of Boykins | — | — |
| 55895 | Town of Gordonsville | 54 | (2) |
| 55896 | Virginia Resources Authority | 104 | — |
| 55897 | Prince William County Services Authority | 1,951 | 43 |
| 55898 | Western Virginia Water Authority | 813 | 16 |
| 55899 | Shenandoah Valley Regional Airport Commission | 52 | 2 |
| 55900 | Alleghany Highlands Community Services Board | 239 | 1 |
| 55901 | Brunswick Industrial Development Authority | 6 | (1) |
| 55902 | Northern Neck-Essex County Group Home Commission | — | — |
| 55904 | Highlands Juvenile Detention Center Commission | 153 | (1) |
| 55905 | Goochland-Powhatan Community Services Board | 185 | 2 |
| 55906 | Suffolk Redevelopment and Housing Authority | 94 | — |
| 55908 | Lee County Redevelopment and Housing Authority | 25 | 1 |
| 55909 | Henry County Public Service Authority | 186 | (1) |
| 55910 | Southside Planning District Commission | 40 | — |
| 55911 | Industrial Development Authority | 61 | 2 |
| 55912 | Augusta County Service Authority | 431 | 6 |
| 55914 | Rappahannock Juvenile Detention Commission | 269 | — |
| 55915 | Cumberland Plateau Regional Housing Authority | 44 | 2 |
| 55917 | Bedford County Public Service Authority | — | — |
| 55918 | Amherst County Service Authority | 79 | 1 |
| 55919 | Pepper's Ferry Regional Wastewater Treatment Authority | 79 | (2) |
| 55920 | Rappahannock Regional Jail Authority | 1,115 | (11) |
| 55921 | Thomas Jefferson Planning District Commission | 51 | 1 |
| 55922 | Piedmont Regional Jail | 388 | 8 |
| 55923 | Nelson County Services Authority | 74 | (1) |
| 55924 | Coeburn-Norton-Wise Regional Water | 45 | (2) |
| 55925 | Fauquier County Water & Sanitation Authority | 240 | 3 |

Virginia Retirement System
VRS Group Life Insurance Plan
Schedule of Net GLI OPEB Liability and Total GLI OPEB Expense - continued
As of the Measurement Date and for the Plan Year Ended June 30, 2018

(Dollars in Thousands)

| Employer Code | Employer | Net GLI OPEB Liability June 30, 2018 | Total GLI OPEB Expense FY 2018 |
|---------------|---|--------------------------------------|--------------------------------|
| 55926 | Scott County Soil & Water Conservation District | 10 | (1) |
| 55927 | New River Resource Authority | 84 | (2) |
| 55928 | Scott County Water & Sewage Authority | 70 | 1 |
| 55929 | Greensville County Water & Sewer Authority | 91 | — |
| 55930 | Petersburg Redevelopment & Housing Authority | 93 | (2) |
| 55931 | Central Rappahannock Regional Library | 348 | 2 |
| 55932 | Virginia Coalfield Economic Development Authority | 25 | — |
| 55933 | Central Virginia Regional Jail | 476 | 16 |
| 55934 | Thomas Jefferson Soil & Water Conservation District | 32 | (3) |
| 55936 | Piedmont Planning District Commission | — | — |
| 55937 | Wythe-Grayson Regional Library | 21 | 1 |
| 55938 | Colonial Soil & Water Conservation District | 15 | 3 |
| 55939 | Rivanna Solid Waste Authority | 36 | — |
| 55940 | Monacan Soil & Water Conservation District | 12 | — |
| 55941 | Robert E. Lee Soil & Water Conservation District | — | — |
| 55942 | Virginia Soil & Water Conservation | 14 | — |
| 55944 | Central Virginia Waste Management Authority | 43 | (1) |
| 55945 | Lonesome Pine Regional Library | 65 | (2) |
| 55946 | Virginia Peninsulas Public Service Authority | 122 | — |
| 55947 | Tidewater Regional Group Home Commission | 185 | (1) |
| 55948 | Virginia Highlands Airport Commission | 19 | — |
| 55949 | Western Tidewater Regional Jail | 587 | 7 |
| 55950 | Scott County Redevelopment & Housing Authority | 21 | (3) |
| 55951 | Handley Regional Library | 49 | (1) |
| 55952 | Northern Neck Regional Jail | 268 | 1 |
| 55953 | Montgomery Regional Solid Waste Authority | 54 | — |
| 55954 | Potomac & Rappahannock Transportation Comm | 709 | 13 |
| 55955 | Giles County Public Service Authority | 34 | (4) |
| 55956 | South Central Wastewater Authority | 139 | 2 |
| 55957 | Wise County Redevelopment and Housing Authority | 52 | (1) |
| 55958 | Prince William Soil & Water Conservation District | 15 | (2) |
| 55959 | Hampton Roads Regional Jail Authority | 945 | (3) |
| 55960 | Russell County Water & Sewage Authority | 21 | — |
| 55961 | Pamunkey Regional Jail | 461 | (3) |
| 55962 | Charlottesville - Albemarle Airport Authority | 147 | 2 |
| 55963 | Virginia Peninsula Regional Jail | 399 | — |

Virginia Retirement System
VRS Group Life Insurance Plan
Schedule of Net GLI OPEB Liability and Total GLI OPEB Expense - continued
As of the Measurement Date and for the Plan Year Ended June 30, 2018

(Dollars in Thousands)

| Employer Code | Employer | Net GLI OPEB Liability June 30, 2018 | Total GLI OPEB Expense FY 2018 |
|---------------|--|--------------------------------------|--------------------------------|
| 55964 | Virginia Biotechnology Research Park Authority | 44 | 2 |
| 55965 | Peumansend Creek Regional Jail | — | (69) |
| 55966 | Blue Ridge Regional Jail Authority | 1,182 | (6) |
| 55967 | Rockingham Regional Library | 56 | 4 |
| 55968 | Albemarle-Charlottesville Regional Jail | 616 | 5 |
| 55969 | Culpeper Soil & Water Conservation District | 39 | (2) |
| 55970 | New River Valley Regional Jail | 714 | — |
| 55971 | Sussex Service Authority | 73 | 2 |
| 55972 | Big Water Soil & Water Conservation District | — | — |
| 55973 | Peter Francisco Soil & Water Conservation District | — | — |
| 55974 | Peaks of Otter Soil & Water Conservation District | 3 | (1) |
| 55975 | New River Soil & Water Conservation District | 7 | — |
| 55977 | Southside Regional Jail | 150 | (1) |
| 55978 | Evergreen Soil & Water Conservation District | 9 | — |
| 55979 | Roanoke Higher Education Authority | 69 | (2) |
| 55981 | John Marshall Soil & Water Conservation District | 22 | (2) |
| 55982 | Daniel Boone Soil & Water Conservation District | 11 | 1 |
| 55983 | Southside Community Services Board | 546 | 3 |
| 55984 | Northern Shenandoah Valley Regional Commission | 40 | — |
| 55985 | Tazewell Soil & Water Conservation District | 9 | 2 |
| 55987 | Richmond Regional Planning District Commission | — | — |
| 55988 | Henricopolis Soil & Water Conservation District | 10 | — |
| 55989 | Piedmont Regional Juvenile Detention Center | 50 | 1 |
| 55990 | Roanoke River Service Authority | 23 | — |
| 55991 | Lee County Public Service Authority | 47 | (2) |
| 55992 | Blue Ridge Juvenile Detention Center | 161 | 4 |
| 55993 | Ferrum Water & Sewage Authority | — | — |
| 55994 | Wise County Public Service Authority | 80 | 2 |
| 55995 | Holston River Soil & Water Conservation District | — | — |
| 55996 | New River Valley Community Services Board | — | — |
| 55997 | Institute for Advanced Learning and Research | — | — |
| 55998 | Southwest Virginia Regional Jail Authority | 1,228 | (4) |
| 55999 | Clinch Valley Soil & Water Conservation District | 8 | — |
| 59212 | City of Norfolk - Insurance Only Employees | 15,317 | 31 |
| 59214 | City of Portsmouth - Insurance Only Employees | 191 | (24) |
| 59216 | City of Richmond - Insurance Only Employees | 14,240 | (105) |

Virginia Retirement System
VRS Group Life Insurance Plan
Schedule of Net GLI OPEB Liability and Total GLI OPEB Expense - continued
As of the Measurement Date and for the Plan Year Ended June 30, 2018

(Dollars in Thousands)

| Employer Code | Employer | Net GLI OPEB Liability June 30, 2018 | Total GLI OPEB Expense FY 2018 |
|---|---|--|-----------------------------------|
| 59217 | City of Roanoke - Insurance Only Employees | 5,770 | 3 |
| 59617 | Roanoke City Schools - Insurance Only Employees | 141 | (13) |
| | Sub-Total Political Subdivisions | \$ 406,504 | \$ 2,875 |
| Total for VRS Group Life Insurance | | \$ 1,518,735 | \$ 10,610 |

The accompanying notes are an integral part of the Schedule of Net GLI OPEB Liability and Total GLI OPEB Expense.

**Virginia Retirement System
VRS Group Life Insurance Plan
Schedule of Deferred Outflows and Deferred Inflows of Resources by Employer
As of the Measurement Date of June 30, 2018**

(Dollars in Thousands)

| Employer Code | Employer | Deferred Outflows of Resources | | | | | Deferred Inflows of Resources | | | | |
|---------------|--|--|--|-----------------------|--------------------------------|--------------------------------------|--|--|-----------------------|--------------------------------|-------------------------------------|
| | | Differences Between Expected and Actual Experience | Net Difference Between Projected and Actual Investment Earnings on OPEB Plan | Change of Assumptions | Changes in Proportionate Share | Total Deferred Outflows of Resources | Differences Between Expected and Actual Experience | Net Difference Between Projected and Actual Investment Earnings on OPEB Plan | Change of Assumptions | Changes in Proportionate Share | Total Deferred Inflows of Resources |
| State: | | | | | | | | | | | |
| 1XXXX | Judicial Retirement System Employees | \$ 266 | \$ — | \$ — | \$ 3 | \$ 269 | \$ 95 | \$ 177 | \$ 230 | \$ 149 | \$ 651 |
| 2XXXX | State Police Officers' Retirement System Employees | 485 | — | — | 673 | 1,158 | 178 | 323 | 414 | 389 | 1,304 |
| 35885 | Fort Monroe Federal Area Development Authority | 6 | — | — | 19 | 25 | 3 | 4 | 5 | 3 | 15 |
| 3XXXX | All Other State Agency Employees | 20,554 | — | — | 9,748 | 30,302 | 7,538 | 13,680 | 17,528 | 9,706 | 48,452 |
| 7XXXX | Virginia Law Officers' Retirement System Employees | 1,355 | — | — | 366 | 1,721 | 506 | 897 | 1,150 | 1,777 | 4,330 |
| | Sub-total State | \$ 22,666 | \$ — | \$ — | \$ 10,809 | \$ 33,475 | \$ 8,320 | \$ 15,081 | \$ 19,327 | \$ 12,024 | \$ 54,752 |
| Teachers: | | | | | | | | | | | |
| 40100 | Accomack County School Board | \$ 110 | \$ — | \$ — | \$ 33 | \$ 143 | \$ 40 | \$ 73 | \$ 93 | \$ — | \$ 206 |
| 40101 | Albemarle County Schools | 358 | — | — | 61 | 419 | 132 | 238 | 305 | — | 675 |
| 40102 | Alleghany County School Board | 44 | — | — | — | 44 | 16 | 30 | 38 | 81 | 165 |
| 40103 | Amelia County School Board | 33 | — | — | 11 | 44 | 12 | 22 | 28 | 33 | 95 |
| 40104 | Amherst County School Board | 89 | — | — | — | 89 | 33 | 60 | 76 | 139 | 308 |
| 40105 | Appomattox County School Board | 44 | — | — | 27 | 71 | 16 | 29 | 38 | — | 83 |
| 40106 | Arlington Public Schools | 1,186 | — | — | 943 | 2,129 | 435 | 789 | 1,011 | — | 2,235 |

Virginia Retirement System
VRS Group Life Insurance Plan
Schedule of Deferred Outflows and Deferred Inflows of Resources by Employer - continued
As of the Measurement Date of June 30, 2018

(Dollars in Thousands)

| Employer Code | Employer | Deferred Outflows of Resources | | | | | Deferred Inflows of Resources | | | | |
|---------------|----------------------------------|--|--|-----------------------|--------------------------------|--------------------------------------|--|--|-----------------------|--------------------------------|-------------------------------------|
| | | Differences Between Expected and Actual Experience | Net Difference Between Projected and Actual Investment Earnings on OPEB Plan Investments | Change of Assumptions | Changes in Proportionate Share | Total Deferred Outflows of Resources | Differences Between Expected and Actual Experience | Net Difference Between Projected and Actual Investment Earnings on OPEB Plan Investments | Change of Assumptions | Changes in Proportionate Share | Total Deferred Inflows of Resources |
| 40107 | Augusta County School Board | 225 | — | — | 73 | 298 | 83 | 150 | 192 | 149 | 574 |
| 40108 | Bath County School Board | 18 | — | — | — | 18 | 7 | 12 | 15 | 16 | 50 |
| 40109 | Bedford County School Board | 196 | — | — | 37 | 233 | 72 | 131 | 167 | 73 | 443 |
| 40110 | Bland County School Board | 14 | — | — | 5 | 19 | 6 | 9 | 12 | 27 | 54 |
| 40111 | Botetourt County Schools | 104 | — | — | — | 104 | 38 | 69 | 89 | 80 | 276 |
| 40112 | Brunswick County Public Schools | 36 | — | — | — | 36 | 14 | 24 | 31 | 54 | 123 |
| 40113 | Buchanan County School Board | 54 | — | — | — | 54 | 20 | 36 | 46 | 116 | 218 |
| 40114 | Buckingham County School Board | 42 | — | — | — | 42 | 15 | 28 | 36 | 44 | 123 |
| 40115 | Campbell County School Board | 150 | — | — | — | 150 | 54 | 100 | 128 | 86 | 368 |
| 40116 | Caroline County School Board | 83 | — | — | 28 | 111 | 31 | 55 | 70 | 10 | 166 |
| 40117 | Carroll County School Board | 83 | — | — | 45 | 128 | 30 | 56 | 71 | 65 | 222 |
| 40118 | Charles City County School Board | 17 | — | — | 2 | 19 | 6 | 12 | 15 | 26 | 59 |
| 40119 | Charlotte County School Board | 45 | — | — | — | 45 | 16 | 30 | 38 | 16 | 100 |
| 40120 | Chesterfield County School Board | 1,186 | — | — | 657 | 1,843 | 435 | 789 | 1,011 | — | 2,235 |
| 40121 | Clarke County School Board | 48 | — | — | — | 48 | 18 | 32 | 41 | — | 91 |
| 40122 | Craig County School Board | 14 | — | — | — | 14 | 5 | 9 | 12 | 15 | 41 |
| 40123 | Culpeper County School Board | 173 | — | — | 13 | 186 | 64 | 115 | 148 | 27 | 354 |
| 40124 | Cumberland County School Board | 30 | — | — | 4 | 34 | 11 | 20 | 26 | 41 | 98 |
| 40125 | Dickenson County School Board | 37 | — | — | — | 37 | 14 | 25 | 32 | 110 | 181 |
| 40126 | Dinwiddie County School Board | 90 | — | — | 34 | 124 | 33 | 60 | 77 | 75 | 245 |

Virginia Retirement System
VRS Group Life Insurance Plan
Schedule of Deferred Outflows and Deferred Inflows of Resources by Employer - continued
As of the Measurement Date of June 30, 2018

(Dollars in Thousands)

| Employer Code | Employer | Deferred Outflows of Resources | | | | | Deferred Inflows of Resources | | | | |
|---------------|---------------------------------|--|--|-----------------------|--------------------------------|--------------------------------------|--|--|-----------------------|--------------------------------|-------------------------------------|
| | | Differences Between Expected and Actual Experience | Net Difference Between Projected and Actual Investment Earnings on OPEB Plan Investments | Change of Assumptions | Changes in Proportionate Share | Total Deferred Outflows of Resources | Differences Between Expected and Actual Experience | Net Difference Between Projected and Actual Investment Earnings on OPEB Plan Investments | Change of Assumptions | Changes in Proportionate Share | Total Deferred Inflows of Resources |
| 40128 | Essex County Public Schools | 30 | — | — | — | 30 | 11 | 20 | 26 | 61 | 118 |
| 40129 | Fairfax County School Board | 5,792 | — | — | 1,797 | 7,589 | 2,099 | 3,854 | 4,935 | 256 | 11,144 |
| 40130 | Fauquier County School Board | 285 | — | — | — | 285 | 105 | 190 | 243 | 237 | 775 |
| 40131 | Floyd County School Board | 42 | — | — | 11 | 53 | 15 | 28 | 35 | 19 | 97 |
| 40132 | Fluvanna County Public Schools | 95 | — | — | — | 95 | 34 | 63 | 81 | 34 | 212 |
| 40133 | Franklin County Public Schools | 168 | — | — | 109 | 277 | 61 | 112 | 144 | — | 317 |
| 40134 | Frederick County School Board | 346 | — | — | 13 | 359 | 126 | 230 | 295 | 49 | 700 |
| 40135 | Giles County Schools | 49 | — | — | — | 49 | 17 | 33 | 42 | 7 | 99 |
| 40136 | Gloucester County School Board | 117 | — | — | 68 | 185 | 43 | 78 | 100 | 77 | 298 |
| 40137 | Goochland County School Board | 60 | — | — | 14 | 74 | 23 | 40 | 51 | — | 114 |
| 40138 | Grayson County School Board | 35 | — | — | 17 | 52 | 13 | 23 | 30 | 15 | 81 |
| 40139 | Greene County Public Schools | 68 | — | — | 6 | 74 | 26 | 45 | 58 | 18 | 147 |
| 40140 | Greensville County School Board | 51 | — | — | 17 | 68 | 18 | 34 | 44 | 7 | 103 |
| 40141 | Halifax County School Board | 106 | — | — | — | 106 | 39 | 71 | 90 | 193 | 393 |
| 40142 | Hanover County School Board | 397 | — | — | 54 | 451 | 146 | 264 | 338 | 115 | 863 |
| 40143 | Henrico County School Board | 1,047 | — | — | 15 | 1,062 | 383 | 697 | 893 | 75 | 2,048 |
| 40144 | Henry County Public Schools | 143 | — | — | 16 | 159 | 53 | 95 | 122 | 51 | 321 |
| 40145 | Highland County Public Schools | 8 | — | — | 5 | 13 | 3 | 5 | 6 | — | 14 |
| 40146 | Isle of Wight County Schools | 116 | — | — | — | 116 | 42 | 77 | 99 | 24 | 242 |
| 40148 | King George County School Board | 89 | — | — | 126 | 215 | 33 | 60 | 76 | 40 | 209 |

Virginia Retirement System
VRS Group Life Insurance Plan
Schedule of Deferred Outflows and Deferred Inflows of Resources by Employer - continued
As of the Measurement Date of June 30, 2018

(Dollars in Thousands)

| Employer Code | Employer | Deferred Outflows of Resources | | | | | Deferred Inflows of Resources | | | | |
|---------------|------------------------------------|--|--|-----------------------|--------------------------------|--------------------------------------|--|--|-----------------------|--------------------------------|-------------------------------------|
| | | Differences Between Expected and Actual Experience | Net Difference Between Projected and Actual Investment Earnings on OPEB Plan Investments | Change of Assumptions | Changes in Proportionate Share | Total Deferred Outflows of Resources | Differences Between Expected and Actual Experience | Net Difference Between Projected and Actual Investment Earnings on OPEB Plan Investments | Change of Assumptions | Changes in Proportionate Share | Total Deferred Inflows of Resources |
| 40149 | King & Queen County School Board | 18 | — | — | 6 | 24 | 7 | 12 | 15 | — | 34 |
| 40150 | King William County School Board | 47 | — | — | — | 47 | 17 | 31 | 40 | 23 | 111 |
| 40151 | Lancaster County Public Schools | 30 | — | — | 6 | 36 | 11 | 20 | 26 | 14 | 71 |
| 40152 | Lee County School Board | 74 | — | — | 7 | 81 | 27 | 49 | 63 | 10 | 149 |
| 40153 | Loudoun County School Board | 2,269 | — | — | 3,069 | 5,338 | 832 | 1,510 | 1,934 | — | 4,276 |
| 40154 | Louisa County Public Schools | 112 | — | — | 54 | 166 | 42 | 74 | 95 | — | 211 |
| 40155 | Lunenburg County School Board | 30 | — | — | — | 30 | 11 | 20 | 26 | 59 | 116 |
| 40156 | Madison County School Board | 40 | — | — | 17 | 57 | 14 | 27 | 34 | 10 | 85 |
| 40157 | Mathews County School Board | 25 | — | — | — | 25 | 9 | 17 | 21 | 24 | 71 |
| 40158 | Mecklenburg County School Board | 90 | — | — | 6 | 96 | 33 | 60 | 76 | 39 | 208 |
| 40159 | Middlesex County School Board | 30 | — | — | 17 | 47 | 11 | 20 | 26 | — | 57 |
| 40160 | Montgomery County School Board | 201 | — | — | 95 | 296 | 74 | 134 | 172 | — | 380 |
| 40162 | Nelson County Public Schools | 46 | — | — | — | 46 | 17 | 30 | 39 | 16 | 102 |
| 40163 | New Kent County School Board | 64 | — | — | 39 | 103 | 23 | 43 | 55 | — | 121 |
| 40165 | Northampton County Schools | 36 | — | — | — | 36 | 13 | 24 | 31 | 20 | 88 |
| 40166 | Northumberland County School Board | 32 | — | — | 24 | 56 | 11 | 22 | 28 | — | 61 |
| 40167 | Nottoway County School Board | 44 | — | — | — | 44 | 17 | 29 | 37 | 35 | 118 |
| 40168 | Orange County Public Schools | 105 | — | — | — | 105 | 39 | 70 | 89 | 53 | 251 |
| 40169 | Page County Public Schools | 72 | — | — | — | 72 | 27 | 48 | 61 | 63 | 199 |
| 40170 | Patrick County School Board | 51 | — | — | 2 | 53 | 19 | 34 | 44 | 46 | 143 |

Virginia Retirement System
VRS Group Life Insurance Plan
Schedule of Deferred Outflows and Deferred Inflows of Resources by Employer - continued
As of the Measurement Date of June 30, 2018

(Dollars in Thousands)

| Employer Code | Employer | Deferred Outflows of Resources | | | | | Deferred Inflows of Resources | | | | |
|---------------|------------------------------------|--|--|-----------------------|--------------------------------|--------------------------------------|--|--|-----------------------|--------------------------------|-------------------------------------|
| | | Differences Between Expected and Actual Experience | Net Difference Between Projected and Actual Investment Earnings on OPEB Plan Investments | Change of Assumptions | Changes in Proportionate Share | Total Deferred Outflows of Resources | Differences Between Expected and Actual Experience | Net Difference Between Projected and Actual Investment Earnings on OPEB Plan Investments | Change of Assumptions | Changes in Proportionate Share | Total Deferred Inflows of Resources |
| 40171 | Pittsylvania County School Board | 173 | — | — | 116 | 289 | 63 | 115 | 147 | — | 325 |
| 40172 | Powhatan County School Board | 92 | — | — | 6 | 98 | 34 | 61 | 79 | 73 | 247 |
| 40173 | Prince Edward County School Board | 47 | — | — | 5 | 52 | 18 | 31 | 40 | 35 | 124 |
| 40174 | Prince George County School Board | 128 | — | — | — | 128 | 47 | 85 | 109 | 89 | 330 |
| 40176 | Prince William County School Board | 2,129 | — | — | 1,208 | 3,337 | 780 | 1,417 | 1,815 | — | 4,012 |
| 40177 | Pulaski County School Board | 85 | — | — | — | 85 | 32 | 56 | 72 | 68 | 228 |
| 40178 | Rappahannock County School Board | 22 | — | — | — | 22 | 8 | 15 | 19 | 25 | 67 |
| 40179 | Richmond County School Board | 26 | — | — | 8 | 34 | 10 | 17 | 22 | 15 | 64 |
| 40180 | Roanoke County School Board | 301 | — | — | 171 | 472 | 110 | 200 | 257 | 167 | 734 |
| 40181 | Rockbridge County School Board | 65 | — | — | — | 65 | 24 | 43 | 55 | 9 | 131 |
| 40182 | Rockingham County School Board | 260 | — | — | 8 | 268 | 95 | 173 | 222 | 17 | 507 |
| 40183 | Russell County School Board | 72 | — | — | — | 72 | 26 | 48 | 61 | 40 | 175 |
| 40184 | Scott County School Board | 78 | — | — | 15 | 93 | 29 | 52 | 67 | 32 | 180 |
| 40185 | Shenandoah County School Board | 136 | — | — | — | 136 | 50 | 91 | 116 | 59 | 316 |
| 40186 | Smyth County School Board | 87 | — | — | — | 87 | 32 | 58 | 74 | 116 | 280 |
| 40187 | Southampton County School Board | 51 | — | — | — | 51 | 19 | 34 | 44 | 10 | 107 |
| 40188 | Spotsylvania County School Board | 494 | — | — | — | 494 | 181 | 329 | 421 | 349 | 1,280 |
| 40189 | Stafford County School Board | 599 | — | — | 294 | 893 | 219 | 399 | 511 | 251 | 1,380 |
| 40190 | Surry County Schools | 31 | — | — | — | 31 | 11 | 21 | 26 | 15 | 73 |
| 40191 | Sussex County School Board | 31 | — | — | — | 31 | 11 | 21 | 26 | 20 | 78 |

Virginia Retirement System
VRS Group Life Insurance Plan
Schedule of Deferred Outflows and Deferred Inflows of Resources by Employer - continued
As of the Measurement Date of June 30, 2018

(Dollars in Thousands)

| Employer Code | Employer | Deferred Outflows of Resources | | | | | Deferred Inflows of Resources | | | | |
|---------------|----------------------------------|--|--|-----------------------|--------------------------------|--------------------------------------|--|--|-----------------------|--------------------------------|-------------------------------------|
| | | Differences Between Expected and Actual Experience | Net Difference Between Projected and Actual Investment Earnings on OPEB Plan Investments | Change of Assumptions | Changes in Proportionate Share | Total Deferred Outflows of Resources | Differences Between Expected and Actual Experience | Net Difference Between Projected and Actual Investment Earnings on OPEB Plan Investments | Change of Assumptions | Changes in Proportionate Share | Total Deferred Inflows of Resources |
| 40192 | Tazewell County Schools | 101 | — | — | — | 101 | 37 | 67 | 86 | 158 | 348 |
| 40193 | Warren County School Board | 116 | — | — | 16 | 132 | 43 | 78 | 99 | — | 220 |
| 40195 | Washington County School Board | 138 | — | — | — | 138 | 51 | 92 | 117 | 108 | 368 |
| 40196 | Westmoreland County School Board | 38 | — | — | 50 | 88 | 14 | 25 | 33 | 19 | 91 |
| 40197 | Wise County School Board | 101 | — | — | — | 101 | 38 | 67 | 86 | 267 | 458 |
| 40198 | Wythe County School Board | 81 | — | — | — | 81 | 30 | 54 | 69 | 61 | 214 |
| 40199 | York County School Board | 266 | — | — | — | 266 | 97 | 177 | 226 | 165 | 665 |
| 40200 | Alexandria City School Board | 589 | — | — | 184 | 773 | 216 | 392 | 502 | 252 | 1,362 |
| 40201 | Bristol City School Board | 47 | — | — | — | 47 | 18 | 31 | 40 | 61 | 150 |
| 40202 | Buena Vista City Schools | 20 | — | — | — | 20 | 8 | 14 | 17 | 22 | 61 |
| 40203 | Charlottesville Public Schools | 152 | — | — | 21 | 173 | 56 | 101 | 130 | 20 | 307 |
| 40205 | Danville City Schools | 123 | — | — | — | 123 | 45 | 82 | 105 | 134 | 366 |
| 40206 | Fredericksburg City Schools | 91 | — | — | 9 | 100 | 34 | 60 | 77 | 22 | 193 |
| 40207 | Hampton City Schools | 431 | — | — | 43 | 474 | 158 | 287 | 367 | 229 | 1,041 |
| 40208 | Harrisonburg City School Board | 155 | — | — | 191 | 346 | 57 | 103 | 132 | — | 292 |
| 40209 | Hopewell City School Board | 97 | — | — | 60 | 157 | 36 | 65 | 83 | 36 | 220 |
| 40210 | Lynchburg Public Schools | 219 | — | — | — | 219 | 80 | 146 | 187 | 205 | 618 |
| 40211 | Newport News Public Schools | 632 | — | — | — | 632 | 232 | 421 | 539 | 286 | 1,478 |
| 40212 | Norfolk Public Schools | 815 | — | — | — | 815 | 299 | 543 | 695 | 1,421 | 2,958 |
| 40213 | Petersburg City Schools | 90 | — | — | — | 90 | 33 | 60 | 76 | 150 | 319 |

Virginia Retirement System
VRS Group Life Insurance Plan
Schedule of Deferred Outflows and Deferred Inflows of Resources by Employer - continued
As of the Measurement Date of June 30, 2018

(Dollars in Thousands)

| Employer Code | Employer | Deferred Outflows of Resources | | | | | Deferred Inflows of Resources | | | | |
|---------------|----------------------------------|--|--|-----------------------|--------------------------------|--------------------------------------|--|--|-----------------------|--------------------------------|-------------------------------------|
| | | Differences Between Expected and Actual Experience | Net Difference Between Projected and Actual Investment Earnings on OPEB Plan Investments | Change of Assumptions | Changes in Proportionate Share | Total Deferred Outflows of Resources | Differences Between Expected and Actual Experience | Net Difference Between Projected and Actual Investment Earnings on OPEB Plan Investments | Change of Assumptions | Changes in Proportionate Share | Total Deferred Inflows of Resources |
| 40214 | Portsmouth School Board | 318 | — | — | — | 318 | 116 | 212 | 271 | 214 | 813 |
| 40215 | Radford City School Board | 34 | — | — | 20 | 54 | 13 | 23 | 29 | 19 | 84 |
| 40216 | Richmond Public Schools | 656 | — | — | 250 | 906 | 241 | 437 | 559 | 198 | 1,435 |
| 40217 | Roanoke City School Board | 313 | — | — | 52 | 365 | 115 | 209 | 267 | 143 | 734 |
| 40219 | Staunton City Schools | 68 | — | — | — | 68 | 24 | 45 | 58 | 36 | 163 |
| 40220 | Suffolk City School Board | 301 | — | — | 43 | 344 | 111 | 200 | 256 | 22 | 589 |
| 40222 | Winchester Public Schools | 116 | — | — | — | 116 | 42 | 77 | 99 | 65 | 283 |
| 40223 | Martinsville City Schools | 46 | — | — | — | 46 | 17 | 30 | 39 | 43 | 129 |
| 40224 | Falls Church Public Schools | 101 | — | — | — | 101 | 38 | 67 | 86 | 35 | 226 |
| 40225 | Colonial Heights City Schools | 74 | — | — | — | 74 | 28 | 49 | 63 | 26 | 166 |
| 40230 | Covington City School Board | 21 | — | — | 20 | 41 | 8 | 14 | 18 | 25 | 65 |
| 40231 | Fairfax City School Board | — | — | — | — | — | 1 | — | — | — | 1 |
| 40232 | Franklin City Public Schools | 28 | — | — | — | 28 | 10 | 18 | 24 | 74 | 126 |
| 40233 | Chesapeake Public Schools | 908 | — | — | 97 | 1,005 | 333 | 604 | 774 | 40 | 1,751 |
| 40234 | Virginia Beach City School Board | 1,601 | — | — | — | 1,601 | 587 | 1,065 | 1,364 | 376 | 3,392 |
| 40236 | Manassas Park City Schools | 85 | — | — | 15 | 100 | 31 | 57 | 73 | 56 | 217 |
| 40306 | Town of West Point School Board | 21 | — | — | 28 | 49 | 8 | 14 | 18 | 5 | 45 |
| 40307 | Lexington City School Board | 11 | — | — | 6 | 17 | 4 | 7 | 10 | — | 21 |
| 40308 | Waynesboro Public Schools | 71 | — | — | 7 | 78 | 26 | 47 | 60 | 37 | 170 |
| 40309 | Town of Colonial Beach Schools | 14 | — | — | 8 | 22 | 6 | 9 | 12 | 8 | 35 |

Virginia Retirement System
VRS Group Life Insurance Plan
Schedule of Deferred Outflows and Deferred Inflows of Resources by Employer - continued
As of the Measurement Date of June 30, 2018

(Dollars in Thousands)

| Employer Code | Employer | Deferred Outflows of Resources | | | | | Deferred Inflows of Resources | | | | |
|---------------|---|--|--|-----------------------|--------------------------------|--------------------------------------|--|--|-----------------------|--------------------------------|-------------------------------------|
| | | Differences Between Expected and Actual Experience | Net Difference Between Projected and Actual Investment Earnings on OPEB Plan Investments | Change of Assumptions | Changes in Proportionate Share | Total Deferred Outflows of Resources | Differences Between Expected and Actual Experience | Net Difference Between Projected and Actual Investment Earnings on OPEB Plan Investments | Change of Assumptions | Changes in Proportionate Share | Total Deferred Inflows of Resources |
| 40313 | Galax City Schools | 28 | — | — | — | 28 | 10 | 19 | 24 | 21 | 74 |
| 40314 | Norton City Schools | 14 | — | — | — | 14 | 5 | 9 | 12 | 33 | 59 |
| 40332 | Manassas City Schools | 210 | — | — | — | 210 | 77 | 140 | 179 | 346 | 742 |
| 40335 | City of Salem Schools | 88 | — | — | 3 | 91 | 32 | 59 | 75 | 8 | 174 |
| 40402 | Williamsburg-James City County School Board | 270 | — | — | — | 270 | 98 | 180 | 230 | 117 | 625 |
| 40403 | Poquoson City Public Schools | 45 | — | — | 3 | 48 | 17 | 30 | 38 | 22 | 107 |
| 40410 | Valley Vocational Technical Center | 8 | — | — | — | 8 | 3 | 5 | 6 | 6 | 20 |
| 40412 | Charlottesville/Albemarle Vo-Tech Center | 4 | — | — | 6 | 10 | 1 | 3 | 3 | 14 | 21 |
| 40413 | The Pruden Center for Industry and Technology | — | — | — | — | — | — | — | — | 114 | 114 |
| 40414 | Jackson River Technical Center | 2 | — | — | — | 2 | — | 2 | 2 | 20 | 24 |
| 40415 | New Horizons Technical Center | 34 | — | — | 31 | 65 | 13 | 23 | 29 | — | 65 |
| 40416 | Northern Neck Regional Vocational Center | 4 | — | — | — | 4 | 1 | 3 | 4 | 5 | 13 |
| 40417 | Rowanty Vocational Technical Center | 3 | — | — | — | 3 | 1 | 2 | 2 | 7 | 12 |
| 40418 | Amelia-Nottoway Vocational Center | 1 | — | — | — | 1 | — | 1 | 1 | — | 2 |
| 40421 | Northern Neck Regional Special Education Program | 3 | — | — | 3 | 6 | 1 | 2 | 3 | — | 6 |
| 40423 | Maggie Walker Governor's School for Govt & Intl Studies | 18 | — | — | — | 18 | 6 | 12 | 15 | — | 33 |
| 40424 | Appomattox Region Governor's School | 7 | — | — | — | 7 | 2 | 4 | 6 | 13 | 25 |
| 40425 | Bridging Communities Regional Career and Tech Center | 2 | — | — | 5 | 7 | 1 | 1 | 2 | — | 4 |

Virginia Retirement System
VRS Group Life Insurance Plan
Schedule of Deferred Outflows and Deferred Inflows of Resources by Employer - continued
As of the Measurement Date of June 30, 2018

(Dollars in Thousands)

| Employer Code | Employer | Deferred Outflows of Resources | | | | | Deferred Inflows of Resources | | | | |
|---------------|--------------------|--|--|-----------------------|--------------------------------|--------------------------------------|--|--|-----------------------|--------------------------------|-------------------------------------|
| | | Differences Between Expected and Actual Experience | Net Difference Between Projected and Actual Investment Earnings on OPEB Plan Investments | Change of Assumptions | Changes in Proportionate Share | Total Deferred Outflows of Resources | Differences Between Expected and Actual Experience | Net Difference Between Projected and Actual Investment Earnings on OPEB Plan Investments | Change of Assumptions | Changes in Proportionate Share | Total Deferred Inflows of Resources |
| | Sub-total Teachers | \$ 31,706 | \$ — | \$ — | \$ 10,585 | \$ 42,291 | \$ 11,608 | \$ 21,106 | \$ 27,026 | \$ 10,127 | \$ 69,867 |
| 55100 | Accomack County | \$ 46 | \$ — | \$ — | \$ — | \$ 46 | \$ 17 | \$ 30 | \$ 39 | \$ — | \$ 86 |
| 55101 | Albemarle County | 161 | — | — | 57 | 218 | 59 | 107 | 138 | 9 | 313 |
| 55102 | Alleghany County | 31 | — | — | 34 | 65 | 12 | 20 | 26 | — | 58 |
| 55103 | Amelia County | 16 | — | — | 8 | 24 | 6 | 11 | 14 | 4 | 35 |
| 55104 | Amherst County | 34 | — | — | 49 | 83 | 12 | 23 | 29 | — | 64 |
| 55105 | Appomattox County | 15 | — | — | — | 15 | 6 | 10 | 13 | 23 | 52 |
| 55107 | Augusta County | 83 | — | — | 69 | 152 | 31 | 55 | 70 | — | 156 |
| 55108 | Bath County | 10 | — | — | — | 10 | 3 | 7 | 9 | 14 | 33 |
| 55109 | Bedford County | 77 | — | — | 127 | 204 | 29 | 51 | 66 | — | 146 |
| 55110 | Bland County | 10 | — | — | 20 | 30 | 4 | 6 | 8 | — | 18 |
| 55111 | Botetourt County | 45 | — | — | 3 | 48 | 16 | 30 | 38 | 37 | 121 |
| 55112 | Brunswick County | 21 | — | — | 40 | 61 | 7 | 14 | 18 | — | 39 |
| 55113 | Buchanan County | 41 | — | — | — | 41 | 15 | 28 | 35 | 55 | 133 |
| 55114 | Buckingham County | 16 | — | — | — | 16 | 6 | 11 | 14 | 6 | 37 |
| 55115 | Campbell County | 53 | — | — | 5 | 58 | 21 | 35 | 45 | 21 | 122 |
| 55116 | Caroline County | 48 | — | — | 110 | 158 | 17 | 32 | 41 | — | 90 |
| 55117 | Carroll County | 31 | — | — | — | 31 | 11 | 21 | 26 | 9 | 67 |

Virginia Retirement System
VRS Group Life Insurance Plan
Schedule of Deferred Outflows and Deferred Inflows of Resources by Employer - continued
As of the Measurement Date of June 30, 2018

(Dollars in Thousands)

| Employer Code | Employer | Deferred Outflows of Resources | | | | | Deferred Inflows of Resources | | | | |
|---------------|---------------------|--|--|-----------------------|--------------------------------|--------------------------------------|--|--|-----------------------|--------------------------------|-------------------------------------|
| | | Differences Between Expected and Actual Experience | Net Difference Between Projected and Actual Investment Earnings on OPEB Plan Investments | Change of Assumptions | Changes in Proportionate Share | Total Deferred Outflows of Resources | Differences Between Expected and Actual Experience | Net Difference Between Projected and Actual Investment Earnings on OPEB Plan Investments | Change of Assumptions | Changes in Proportionate Share | Total Deferred Inflows of Resources |
| 55118 | Charles City County | 12 | — | — | 5 | 17 | 5 | 8 | 11 | — | 24 |
| 55119 | Charlotte County | 17 | — | — | 3 | 20 | 6 | 12 | 15 | — | 33 |
| 55120 | Chesterfield County | 738 | — | — | — | 738 | 270 | 491 | 629 | 150 | 1,540 |
| 55121 | Clarke County | 19 | — | — | 11 | 30 | 6 | 13 | 16 | — | 35 |
| 55122 | Craig County | 6 | — | — | 11 | 17 | 3 | 4 | 5 | — | 12 |
| 55123 | Culpeper County | 72 | — | — | 43 | 115 | 27 | 48 | 61 | — | 136 |
| 55124 | Cumberland County | 13 | — | — | — | 13 | 5 | 9 | 11 | — | 25 |
| 55125 | Dickenson County | — | — | — | — | — | — | — | — | — | — |
| 55126 | Dinwiddie County | 39 | — | — | 46 | 85 | 14 | 26 | 33 | — | 73 |
| 55128 | Essex County | 15 | — | — | — | 15 | 6 | 10 | 13 | 11 | 40 |
| 55130 | Fauquier County | 143 | — | — | 104 | 247 | 52 | 95 | 122 | — | 269 |
| 55131 | Floyd County | 17 | — | — | 29 | 46 | 7 | 11 | 14 | — | 32 |
| 55132 | Fluvanna County | 27 | — | — | 27 | 54 | 10 | 18 | 23 | — | 51 |
| 55133 | Franklin County | 56 | — | — | 37 | 93 | 21 | 37 | 47 | 10 | 115 |
| 55134 | Frederick County | 161 | — | — | 163 | 324 | 60 | 107 | 137 | — | 304 |
| 55135 | Giles County | 23 | — | — | 9 | 32 | 9 | 15 | 20 | — | 44 |
| 55136 | Gloucester County | 55 | — | — | — | 55 | 20 | 37 | 47 | 31 | 135 |
| 55137 | Goochland County | 45 | — | — | 80 | 125 | 16 | 30 | 38 | — | 84 |
| 55138 | Grayson County | 18 | — | — | 16 | 34 | 6 | 12 | 15 | — | 33 |
| 55139 | Greene County | 21 | — | — | 6 | 27 | 8 | 14 | 18 | 8 | 48 |

Virginia Retirement System
VRS Group Life Insurance Plan
Schedule of Deferred Outflows and Deferred Inflows of Resources by Employer - continued
As of the Measurement Date of June 30, 2018

(Dollars in Thousands)

| Employer Code | Employer | Deferred Outflows of Resources | | | | | Deferred Inflows of Resources | | | | |
|---------------|-----------------------|--|--|-----------------------|--------------------------------|--------------------------------------|--|--|-----------------------|--------------------------------|-------------------------------------|
| | | Differences Between Expected and Actual Experience | Net Difference Between Projected and Actual Investment Earnings on OPEB Plan Investments | Change of Assumptions | Changes in Proportionate Share | Total Deferred Outflows of Resources | Differences Between Expected and Actual Experience | Net Difference Between Projected and Actual Investment Earnings on OPEB Plan Investments | Change of Assumptions | Changes in Proportionate Share | Total Deferred Inflows of Resources |
| 55140 | Greensville County | 18 | — | — | 13 | 31 | 7 | 12 | 16 | — | 35 |
| 55141 | Halifax County | 31 | — | — | — | 31 | 11 | 21 | 27 | 8 | 67 |
| 55142 | Hanover County | 247 | — | — | 109 | 356 | 91 | 164 | 211 | — | 466 |
| 55143 | Henrico County | 976 | — | — | 185 | 1,161 | 358 | 650 | 832 | 197 | 2,037 |
| 55144 | Henry County | 65 | — | — | 8 | 73 | 24 | 43 | 55 | — | 122 |
| 55145 | Highland County | 5 | — | — | — | 5 | 1 | 4 | 5 | — | 10 |
| 55146 | Isle of Wight County | 53 | — | — | 24 | 77 | 20 | 35 | 45 | — | 100 |
| 55147 | James City County | 158 | — | — | 42 | 200 | 59 | 105 | 135 | — | 299 |
| 55148 | King George County | 43 | — | — | 38 | 81 | 17 | 28 | 36 | — | 81 |
| 55149 | King and Queen County | 10 | — | — | 3 | 13 | 4 | 6 | 8 | — | 18 |
| 55150 | King William County | 15 | — | — | 6 | 21 | 6 | 10 | 13 | — | 29 |
| 55151 | Lancaster County | 19 | — | — | 8 | 27 | 7 | 13 | 16 | 3 | 39 |
| 55152 | Lee County | 20 | — | — | — | 20 | 7 | 13 | 17 | 7 | 44 |
| 55153 | Loudoun County | 821 | — | — | 356 | 1,177 | 300 | 546 | 700 | — | 1,546 |
| 55154 | Louisa County | 47 | — | — | 12 | 59 | 18 | 31 | 40 | — | 89 |
| 55155 | Lunenburg County | 8 | — | — | — | 8 | 4 | 5 | 7 | 12 | 28 |
| 55156 | Madison County | 18 | — | — | 11 | 29 | 7 | 12 | 15 | — | 34 |
| 55157 | Mathews County | 10 | — | — | — | 10 | 3 | 7 | 9 | 6 | 25 |
| 55158 | Mecklenburg County | 34 | — | — | 4 | 38 | 12 | 22 | 29 | — | 63 |
| 55159 | Middlesex County | 11 | — | — | 3 | 14 | 3 | 8 | 10 | — | 21 |

Virginia Retirement System
VRS Group Life Insurance Plan
Schedule of Deferred Outflows and Deferred Inflows of Resources by Employer - continued
As of the Measurement Date of June 30, 2018

(Dollars in Thousands)

| Employer Code | Employer | Deferred Outflows of Resources | | | | | Deferred Inflows of Resources | | | | |
|---------------|-----------------------|--|--|-----------------------|--------------------------------|--------------------------------------|--|--|-----------------------|--------------------------------|-------------------------------------|
| | | Differences Between Expected and Actual Experience | Net Difference Between Projected and Actual Investment Earnings on OPEB Plan Investments | Change of Assumptions | Changes in Proportionate Share | Total Deferred Outflows of Resources | Differences Between Expected and Actual Experience | Net Difference Between Projected and Actual Investment Earnings on OPEB Plan Investments | Change of Assumptions | Changes in Proportionate Share | Total Deferred Inflows of Resources |
| 55160 | Montgomery County | 70 | — | — | — | 70 | 25 | 47 | 60 | 33 | 165 |
| 55162 | Nelson County | 16 | — | — | — | 16 | 5 | 11 | 14 | — | 30 |
| 55163 | New Kent County | 36 | — | — | 23 | 59 | 13 | 24 | 30 | — | 67 |
| 55165 | Northampton County | 33 | — | — | — | 33 | 12 | 22 | 28 | 7 | 69 |
| 55166 | Northumberland County | 17 | — | — | 15 | 32 | 6 | 11 | 14 | — | 31 |
| 55167 | Nottoway County | 14 | — | — | — | 14 | 5 | 9 | 12 | — | 26 |
| 55168 | Orange County | 41 | — | — | 16 | 57 | 14 | 27 | 35 | 15 | 91 |
| 55169 | Page County | 28 | — | — | — | 28 | 10 | 18 | 24 | 2 | 54 |
| 55170 | Patrick County | 24 | — | — | 37 | 61 | 9 | 16 | 20 | — | 45 |
| 55171 | Pittsylvania County | 58 | — | — | 6 | 64 | 22 | 38 | 49 | — | 109 |
| 55172 | Powhatan County | 31 | — | — | 17 | 48 | 11 | 21 | 27 | 7 | 66 |
| 55173 | Prince Edward County | 20 | — | — | — | 20 | 7 | 14 | 17 | 7 | 45 |
| 55174 | Prince George County | 49 | — | — | — | 49 | 19 | 32 | 41 | 42 | 134 |
| 55176 | Prince William County | 1,038 | — | — | 651 | 1,689 | 381 | 691 | 885 | — | 1,957 |
| 55177 | County of Pulaski | 47 | — | — | 23 | 70 | 18 | 31 | 40 | — | 89 |
| 55178 | Rappahannock County | 11 | — | — | 5 | 16 | 4 | 7 | 10 | 13 | 34 |
| 55179 | Richmond County | 11 | — | — | 10 | 21 | 3 | 8 | 10 | — | 21 |
| 55180 | Roanoke County | 187 | — | — | 36 | 223 | 69 | 124 | 159 | — | 352 |
| 55181 | Rockbridge County | 26 | — | — | 10 | 36 | 9 | 18 | 23 | — | 50 |
| 55182 | Rockingham County | 102 | — | — | 59 | 161 | 37 | 68 | 87 | — | 192 |

Virginia Retirement System
VRS Group Life Insurance Plan
Schedule of Deferred Outflows and Deferred Inflows of Resources by Employer - continued
As of the Measurement Date of June 30, 2018

(Dollars in Thousands)

| Employer Code | Employer | Deferred Outflows of Resources | | | | | Deferred Inflows of Resources | | | | |
|---------------|---------------------|--|--|-----------------------|--------------------------------|--------------------------------------|--|--|-----------------------|--------------------------------|-------------------------------------|
| | | Differences Between Expected and Actual Experience | Net Difference Between Projected and Actual Investment Earnings on OPEB Plan Investments | Change of Assumptions | Changes in Proportionate Share | Total Deferred Outflows of Resources | Differences Between Expected and Actual Experience | Net Difference Between Projected and Actual Investment Earnings on OPEB Plan Investments | Change of Assumptions | Changes in Proportionate Share | Total Deferred Inflows of Resources |
| 55183 | Russell County | 24 | — | — | 23 | 47 | 9 | 16 | 21 | — | 46 |
| 55184 | Scott County | 22 | — | — | — | 22 | 8 | 15 | 19 | 9 | 51 |
| 55185 | Shenandoah County | 50 | — | — | — | 50 | 18 | 34 | 43 | 14 | 109 |
| 55186 | Smyth County | 29 | — | — | — | 29 | 10 | 20 | 25 | 22 | 77 |
| 55187 | Southampton County | 31 | — | — | 7 | 38 | 11 | 21 | 27 | — | 59 |
| 55188 | Spotsylvania County | 198 | — | — | 177 | 375 | 72 | 132 | 168 | — | 372 |
| 55189 | Stafford County | 205 | — | — | 146 | 351 | 75 | 136 | 175 | — | 386 |
| 55190 | Surry County | 16 | — | — | 5 | 21 | 6 | 11 | 14 | — | 31 |
| 55191 | Sussex County | 19 | — | — | — | 19 | 7 | 13 | 16 | 32 | 68 |
| 55192 | Tazewell County | 45 | — | — | — | 45 | 16 | 30 | 38 | 46 | 130 |
| 55193 | Warren County | 43 | — | — | 38 | 81 | 16 | 28 | 36 | — | 80 |
| 55195 | Washington County | 42 | — | — | 5 | 47 | 15 | 28 | 36 | 17 | 96 |
| 55196 | Westmoreland County | 24 | — | — | 49 | 73 | 9 | 16 | 21 | — | 46 |
| 55197 | Wise County | 43 | — | — | 14 | 57 | 15 | 29 | 37 | 27 | 108 |
| 55198 | Wythe County | 27 | — | — | 10 | 37 | 9 | 18 | 23 | 12 | 62 |
| 55199 | York County | 160 | — | — | 75 | 235 | 59 | 107 | 136 | 16 | 318 |
| 55200 | City of Alexandria | — | — | — | — | — | — | — | — | — | — |
| 55201 | City of Bristol | 54 | — | — | — | 54 | 19 | 36 | 46 | 107 | 208 |
| 55202 | City of Buena Vista | 13 | — | — | 10 | 23 | 5 | 8 | 11 | 13 | 37 |
| 55203 | Town of St. Paul | 3 | — | — | — | 3 | 1 | 2 | 2 | — | 5 |

Virginia Retirement System
VRS Group Life Insurance Plan
Schedule of Deferred Outflows and Deferred Inflows of Resources by Employer - continued
As of the Measurement Date of June 30, 2018

(Dollars in Thousands)

| Employer Code | Employer | Deferred Outflows of Resources | | | | | Deferred Inflows of Resources | | | | |
|---------------|------------------------|--|--|-----------------------|--------------------------------|--------------------------------------|--|--|-----------------------|--------------------------------|-------------------------------------|
| | | Differences Between Expected and Actual Experience | Net Difference Between Projected and Actual Investment Earnings on OPEB Plan Investments | Change of Assumptions | Changes in Proportionate Share | Total Deferred Outflows of Resources | Differences Between Expected and Actual Experience | Net Difference Between Projected and Actual Investment Earnings on OPEB Plan Investments | Change of Assumptions | Changes in Proportionate Share | Total Deferred Inflows of Resources |
| 55204 | Town of Clifton Forge | 5 | — | — | — | 5 | 1 | 4 | 5 | 8 | 18 |
| 55205 | City of Danville | — | — | — | — | — | — | — | — | — | — |
| 55206 | City of Fredericksburg | 95 | — | — | 23 | 118 | 35 | 63 | 81 | 21 | 200 |
| 55207 | City of Hampton | 356 | — | — | — | 356 | 130 | 237 | 303 | 202 | 872 |
| 55208 | City of Harrisonburg | 119 | — | — | 10 | 129 | 44 | 79 | 101 | — | 224 |
| 55209 | City of Hopewell | 73 | — | — | 54 | 127 | 26 | 49 | 62 | — | 137 |
| 55210 | City of Lynchburg | 214 | — | — | — | 214 | 78 | 143 | 183 | 70 | 474 |
| 55211 | Town of Crewe | 4 | — | — | 2 | 6 | 1 | 3 | 3 | — | 7 |
| 55212 | City of Norfolk | 105 | — | — | — | 105 | 38 | 70 | 90 | 114 | 312 |
| 55213 | City of Petersburg | 87 | — | — | 56 | 143 | 32 | 58 | 75 | 286 | 451 |
| 55214 | City of Portsmouth | 268 | — | — | 24 | 292 | 98 | 179 | 229 | 132 | 638 |
| 55215 | City of Radford | 40 | — | — | — | 40 | 15 | 26 | 34 | 25 | 100 |
| 55216 | City of Richmond | 101 | — | — | — | 101 | 37 | 67 | 86 | 101 | 291 |
| 55217 | City of Roanoke | 35 | — | — | — | 35 | 12 | 23 | 30 | 18 | 83 |
| 55218 | Town of Craigsville | 1 | — | — | — | 1 | (1) | 1 | 1 | — | 1 |
| 55219 | City of Staunton | 55 | — | — | 20 | 75 | 20 | 36 | 47 | 15 | 118 |
| 55220 | City of Suffolk | 260 | — | — | 248 | 508 | 95 | 173 | 221 | — | 489 |
| 55221 | City of Williamsburg | 41 | — | — | 23 | 64 | 15 | 28 | 35 | 6 | 84 |
| 55222 | City of Winchester | 98 | — | — | — | 98 | 36 | 65 | 83 | 47 | 231 |
| 55223 | City of Martinsville | 53 | — | — | — | 53 | 19 | 35 | 45 | 48 | 147 |

Virginia Retirement System
VRS Group Life Insurance Plan
Schedule of Deferred Outflows and Deferred Inflows of Resources by Employer - continued
As of the Measurement Date of June 30, 2018

(Dollars in Thousands)

| Employer Code | Employer | Deferred Outflows of Resources | | | | | Deferred Inflows of Resources | | | | |
|---------------|--------------------------|--|--|-----------------------|--------------------------------|--------------------------------------|--|--|-----------------------|--------------------------------|-------------------------------------|
| | | Differences Between Expected and Actual Experience | Net Difference Between Projected and Actual Investment Earnings on OPEB Plan Investments | Change of Assumptions | Changes in Proportionate Share | Total Deferred Outflows of Resources | Differences Between Expected and Actual Experience | Net Difference Between Projected and Actual Investment Earnings on OPEB Plan Investments | Change of Assumptions | Changes in Proportionate Share | Total Deferred Inflows of Resources |
| 55224 | City of Falls Church | 5 | — | — | — | 5 | 3 | 3 | 4 | 7 | 17 |
| 55225 | City of Colonial Heights | 51 | — | — | — | 51 | 19 | 34 | 44 | 49 | 146 |
| 55226 | Town of Front Royal | 30 | — | — | 2 | 32 | 11 | 20 | 25 | 3 | 59 |
| 55227 | Town of Boyce | — | — | — | — | — | — | — | — | — | — |
| 55228 | Town of Middletown | — | — | — | — | — | — | — | — | — | — |
| 55229 | Town of Chilhowie | 3 | — | — | — | 3 | 1 | 2 | 3 | — | 6 |
| 55230 | City of Covington | 15 | — | — | — | 15 | 5 | 10 | 13 | 10 | 38 |
| 55231 | Town of Floyd | 1 | — | — | — | 1 | — | — | 1 | — | 1 |
| 55232 | City of Franklin | 30 | — | — | — | 30 | 11 | 20 | 25 | 20 | 76 |
| 55233 | City of Chesapeake | 629 | — | — | 194 | 823 | 231 | 418 | 536 | — | 1,185 |
| 55234 | City of Virginia Beach | 1,282 | — | — | 344 | 1,626 | 470 | 853 | 1,093 | — | 2,416 |
| 55235 | City of Norton | 13 | — | — | — | 13 | 5 | 8 | 11 | 8 | 32 |
| 55236 | City of Manassas Park | 37 | — | — | 8 | 45 | 14 | 24 | 31 | — | 69 |
| 55237 | Town of Exmore | — | — | — | — | — | — | — | — | — | — |
| 55238 | Town of Pound | — | — | — | — | — | — | — | — | — | — |
| 55239 | Town of Grottoes | 3 | — | — | — | 3 | 1 | 2 | 3 | — | 6 |
| 55240 | Town of Onley | 1 | — | — | — | 1 | — | 1 | 1 | — | 2 |
| 55241 | Town of West Point | 6 | — | — | — | 6 | 2 | 4 | 5 | — | 11 |
| 55242 | Town of South Hill | — | — | — | — | — | — | — | — | — | — |
| 55243 | Town of Rural Retreat | — | — | — | — | — | — | — | — | — | — |

Virginia Retirement System
VRS Group Life Insurance Plan
Schedule of Deferred Outflows and Deferred Inflows of Resources by Employer - continued
As of the Measurement Date of June 30, 2018

(Dollars in Thousands)

| Employer Code | Employer | Deferred Outflows of Resources | | | | | Deferred Inflows of Resources | | | | |
|---------------|------------------------|--|--|-----------------------|--------------------------------|--------------------------------------|--|--|-----------------------|--------------------------------|-------------------------------------|
| | | Differences Between Expected and Actual Experience | Net Difference Between Projected and Actual Investment Earnings on OPEB Plan Investments | Change of Assumptions | Changes in Proportionate Share | Total Deferred Outflows of Resources | Differences Between Expected and Actual Experience | Net Difference Between Projected and Actual Investment Earnings on OPEB Plan Investments | Change of Assumptions | Changes in Proportionate Share | Total Deferred Inflows of Resources |
| 55244 | Town of Dillwyn | — | — | — | — | — | — | — | — | — | — |
| 55245 | Town of Scottsville | 1 | — | — | — | 1 | — | — | 1 | 3 | 4 |
| 55246 | Town of Burkeville | — | — | — | — | — | 1 | — | — | — | 1 |
| 55247 | Town of Madison | — | — | — | — | — | — | — | — | — | — |
| 55248 | Town of Pennington Gap | — | — | — | — | — | — | — | — | — | — |
| 55249 | Town of La Crosse | — | — | — | — | — | — | — | — | — | — |
| 55250 | Town of Rich Creek | — | — | — | 9 | 9 | 1 | — | — | — | 1 |
| 55251 | Town of White Stone | — | — | — | — | — | — | — | — | — | — |
| 55252 | Town of Windsor | 2 | — | — | — | 2 | — | 2 | 2 | — | 4 |
| 55253 | Town of Haysi | — | — | — | — | — | — | — | — | — | — |
| 55254 | Town of Stephens City | 2 | — | — | — | 2 | 1 | 1 | 1 | — | 3 |
| 55255 | Town of Broadax | — | — | — | — | — | — | — | — | — | — |
| 55256 | Town of Mineral | — | — | — | — | — | — | — | — | — | — |
| 55257 | Town of Lebanon | 8 | — | — | 2 | 10 | 3 | 6 | 7 | — | 16 |
| 55258 | City of Newport News | 252 | — | — | 946 | 1,198 | 92 | 168 | 215 | — | 475 |
| 55259 | Town of Richlands | — | — | — | — | — | — | — | — | — | — |
| 55260 | Town of Haymarket | 2 | — | — | — | 2 | 1 | 1 | 2 | 4 | 8 |
| 55261 | Town of Lovettsville | 2 | — | — | — | 2 | 1 | 1 | 2 | — | 4 |
| 55300 | Town of Abingdon | 20 | — | — | — | 20 | 8 | 13 | 17 | 43 | 81 |
| 55301 | Town of Dumfries | 5 | — | — | 28 | 33 | 1 | 4 | 5 | 20 | 30 |

Virginia Retirement System
VRS Group Life Insurance Plan
Schedule of Deferred Outflows and Deferred Inflows of Resources by Employer - continued
As of the Measurement Date of June 30, 2018

(Dollars in Thousands)

| Employer Code | Employer | Deferred Outflows of Resources | | | | | Deferred Inflows of Resources | | | | |
|---------------|------------------------|--|--|-----------------------|--------------------------------|--------------------------------------|--|--|-----------------------|--------------------------------|-------------------------------------|
| | | Differences Between Expected and Actual Experience | Net Difference Between Projected and Actual Investment Earnings on OPEB Plan Investments | Change of Assumptions | Changes in Proportionate Share | Total Deferred Outflows of Resources | Differences Between Expected and Actual Experience | Net Difference Between Projected and Actual Investment Earnings on OPEB Plan Investments | Change of Assumptions | Changes in Proportionate Share | Total Deferred Inflows of Resources |
| 55302 | Town of Iron Gate | — | — | — | — | — | — | — | — | — | — |
| 55303 | Town of Montross | — | — | — | — | — | 1 | — | — | — | 1 |
| 55304 | Town of South Boston | 13 | — | — | 5 | 18 | 5 | 8 | 11 | — | 24 |
| 55305 | Town of Gretna | 2 | — | — | — | 2 | — | 1 | 2 | — | 3 |
| 55306 | Town of Remington | 1 | — | — | — | 1 | — | — | 1 | — | 1 |
| 55307 | City of Lexington | 19 | — | — | 13 | 32 | 7 | 13 | 17 | 37 | 74 |
| 55308 | City of Waynesboro | 52 | — | — | — | 52 | 19 | 34 | 44 | 44 | 141 |
| 55309 | Town of Colonial Beach | 7 | — | — | — | 7 | 2 | 5 | 6 | 12 | 25 |
| 55310 | Town of Smithfield | 11 | — | — | 10 | 21 | 4 | 7 | 10 | 7 | 28 |
| 55311 | Town of Brookneal | 1 | — | — | — | 1 | — | 1 | 1 | — | 2 |
| 55312 | Town of Hamilton | 1 | — | — | — | 1 | — | 1 | 1 | — | 2 |
| 55313 | City of Galax | 24 | — | — | — | 24 | 8 | 16 | 21 | 17 | 62 |
| 55314 | Town of Jonesville | 2 | — | — | — | 2 | 1 | 1 | 1 | — | 3 |
| 55315 | Town of Wytheville | 26 | — | — | — | 26 | 9 | 17 | 22 | 11 | 59 |
| 55316 | City of Fairfax | — | — | — | — | — | — | — | — | — | — |
| 55317 | Town of Vienna | 48 | — | — | 9 | 57 | 18 | 32 | 41 | — | 91 |
| 55318 | Town of Vinton | 15 | — | — | 19 | 34 | 5 | 10 | 13 | — | 28 |
| 55319 | City of Emporia | 19 | — | — | 28 | 47 | 7 | 12 | 16 | — | 35 |
| 55320 | Town of Culpeper | 37 | — | — | 4 | 41 | 14 | 25 | 31 | 22 | 92 |
| 55321 | Town of Woodstock | 11 | — | — | 8 | 19 | 4 | 7 | 9 | — | 20 |

Virginia Retirement System
VRS Group Life Insurance Plan
Schedule of Deferred Outflows and Deferred Inflows of Resources by Employer - continued
As of the Measurement Date of June 30, 2018

(Dollars in Thousands)

| Employer Code | Employer | Deferred Outflows of Resources | | | | | Deferred Inflows of Resources | | | | |
|---------------|------------------------|--|--|-----------------------|--------------------------------|--------------------------------------|--|--|-----------------------|--------------------------------|-------------------------------------|
| | | Differences Between Expected and Actual Experience | Net Difference Between Projected and Actual Investment Earnings on OPEB Plan Investments | Change of Assumptions | Changes in Proportionate Share | Total Deferred Outflows of Resources | Differences Between Expected and Actual Experience | Net Difference Between Projected and Actual Investment Earnings on OPEB Plan Investments | Change of Assumptions | Changes in Proportionate Share | Total Deferred Inflows of Resources |
| 55322 | Town of Glasgow | 1 | — | — | — | 1 | — | — | 1 | — | 1 |
| 55323 | Town of Marion | 13 | — | — | 9 | 22 | 5 | 9 | 11 | 3 | 28 |
| 55324 | Town of Altavista | 9 | — | — | 10 | 19 | 3 | 6 | 8 | — | 17 |
| 55325 | Town of Herndon | 66 | — | — | 11 | 77 | 24 | 44 | 56 | 23 | 147 |
| 55326 | Town of Pearisburg | 5 | — | — | — | 5 | 3 | 3 | 4 | 5 | 15 |
| 55327 | Town of Christiansburg | — | — | — | — | — | — | — | — | — | — |
| 55328 | Town of Wakefield | — | — | — | — | — | — | — | — | — | — |
| 55329 | Town of Leesburg | 93 | — | — | 27 | 120 | 34 | 62 | 79 | 56 | 231 |
| 55330 | Town of Chatham | 2 | — | — | — | 2 | 1 | 1 | 2 | 12 | 16 |
| 55331 | Town of Bowling Green | 1 | — | — | 7 | 8 | 1 | 1 | 1 | — | 3 |
| 55332 | City of Manassas | 118 | — | — | 29 | 147 | 43 | 79 | 101 | — | 223 |
| 55333 | Town of Alberta | — | — | — | — | — | — | — | — | — | — |
| 55334 | Town of Boydton | 1 | — | — | — | 1 | — | 1 | 1 | — | 2 |
| 55335 | City of Salem | 89 | — | — | — | 89 | 33 | 59 | 75 | 98 | 265 |
| 55336 | Town of McKenney | — | — | — | — | — | — | — | — | — | — |
| 55337 | Town of Narrows | — | — | — | — | — | — | — | — | — | — |
| 55338 | Town of Quantico | 1 | — | — | — | 1 | — | — | 1 | — | 1 |
| 55339 | Town of Halifax | 1 | — | — | — | 1 | — | 1 | 1 | — | 2 |
| 55340 | Town of Blacksburg | 59 | — | — | 18 | 77 | 22 | 39 | 50 | — | 111 |
| 55341 | Town of Chincoteague | 8 | — | — | 3 | 11 | 3 | 5 | 7 | — | 15 |

Virginia Retirement System
VRS Group Life Insurance Plan
Schedule of Deferred Outflows and Deferred Inflows of Resources by Employer - continued
As of the Measurement Date of June 30, 2018

(Dollars in Thousands)

| Employer Code | Employer | Deferred Outflows of Resources | | | | | Deferred Inflows of Resources | | | | |
|---------------|-----------------------|--|--|-----------------------|--------------------------------|--------------------------------------|--|--|-----------------------|--------------------------------|-------------------------------------|
| | | Differences Between Expected and Actual Experience | Net Difference Between Projected and Actual Investment Earnings on OPEB Plan Investments | Change of Assumptions | Changes in Proportionate Share | Total Deferred Outflows of Resources | Differences Between Expected and Actual Experience | Net Difference Between Projected and Actual Investment Earnings on OPEB Plan Investments | Change of Assumptions | Changes in Proportionate Share | Total Deferred Inflows of Resources |
| 55342 | Town of Lawrenceville | 4 | — | — | — | 4 | 2 | 2 | 3 | 7 | 14 |
| 55343 | Town of Amherst | 3 | — | — | — | 3 | 1 | 2 | 3 | — | 6 |
| 55344 | Town of Stanley | 3 | — | — | — | 3 | 1 | 2 | 2 | — | 5 |
| 55345 | Town of Hillsville | 6 | — | — | — | 6 | 2 | 4 | 5 | — | 11 |
| 55346 | Town of Elkton | 4 | — | — | 6 | 10 | 1 | 3 | 4 | 2 | 10 |
| 55347 | Town of Bridgewater | 10 | — | — | 16 | 26 | 4 | 6 | 8 | 5 | 23 |
| 55348 | Town of Purcellville | 18 | — | — | 4 | 22 | 6 | 12 | 16 | 13 | 47 |
| 55349 | Town of Timberville | 3 | — | — | 4 | 7 | 1 | 2 | 2 | — | 5 |
| 55350 | Town of Wise | 8 | — | — | 6 | 14 | 3 | 6 | 7 | 7 | 23 |
| 55351 | Town of New Market | 3 | — | — | — | 3 | 1 | 2 | 3 | — | 6 |
| 55352 | Town of Tappahannock | — | — | — | — | — | — | — | — | — | — |
| 55353 | Town of Rocky Mount | 11 | — | — | 6 | 17 | 5 | 7 | 9 | — | 21 |
| 55354 | Town of Big Stone Gap | — | — | — | — | — | — | — | — | — | — |
| 55355 | Town of Luray | 8 | — | — | — | 8 | 3 | 5 | 6 | 12 | 26 |
| 55357 | Town of Strasburg | 11 | — | — | 3 | 14 | 5 | 7 | 9 | 7 | 28 |
| 55358 | Town of Appomattox | — | — | — | — | — | — | — | — | — | — |
| 55359 | Town of Clarksville | 3 | — | — | — | 3 | 1 | 2 | 3 | — | 6 |
| 55360 | Town of Dublin | 4 | — | — | — | 4 | 2 | 2 | 3 | — | 7 |
| 55361 | Town of Middleburg | 4 | — | — | 6 | 10 | 2 | 2 | 3 | — | 7 |
| 55362 | Town of Edinburg | — | — | — | — | — | — | — | — | — | — |

Virginia Retirement System
VRS Group Life Insurance Plan
Schedule of Deferred Outflows and Deferred Inflows of Resources by Employer - continued
As of the Measurement Date of June 30, 2018

(Dollars in Thousands)

| Employer Code | Employer | Deferred Outflows of Resources | | | | | Deferred Inflows of Resources | | | | |
|---------------|----------------------|--|--|-----------------------|--------------------------------|--------------------------------------|--|--|-----------------------|--------------------------------|-------------------------------------|
| | | Differences Between Expected and Actual Experience | Net Difference Between Projected and Actual Investment Earnings on OPEB Plan Investments | Change of Assumptions | Changes in Proportionate Share | Total Deferred Outflows of Resources | Differences Between Expected and Actual Experience | Net Difference Between Projected and Actual Investment Earnings on OPEB Plan Investments | Change of Assumptions | Changes in Proportionate Share | Total Deferred Inflows of Resources |
| 55363 | Town of Chase City | 5 | — | — | 3 | 8 | 2 | 3 | 4 | 4 | 13 |
| 55364 | City of Bedford | 15 | — | — | 3 | 18 | 6 | 10 | 13 | — | 29 |
| 55365 | City of Poquoson | 24 | — | — | 12 | 36 | 9 | 16 | 21 | 3 | 49 |
| 55366 | Town of Ashland | 13 | — | — | 5 | 18 | 5 | 9 | 11 | 3 | 28 |
| 55367 | Town of Broadway | 4 | — | — | 2 | 6 | 1 | 3 | 3 | — | 7 |
| 55368 | Town of Berryville | 6 | — | — | — | 6 | 2 | 4 | 5 | — | 11 |
| 55369 | Town of Tazewell | — | — | — | — | — | — | — | — | — | — |
| 55370 | Town of Urbanna | — | — | — | — | — | 1 | — | — | — | 1 |
| 55371 | Town of Bluefield | 9 | — | — | — | 9 | 3 | 6 | 8 | — | 17 |
| 55372 | Town of Weber City | 1 | — | — | — | 1 | — | — | 1 | — | 1 |
| 55374 | Town of Hurt | 1 | — | — | — | 1 | 1 | — | — | — | 1 |
| 55375 | Town of Waverly | — | — | — | — | — | — | — | — | — | — |
| 55376 | Town of Coeburn | 3 | — | — | — | 3 | 1 | 2 | 2 | 8 | 13 |
| 55377 | Town of Dayton | 3 | — | — | — | 3 | 1 | 2 | 3 | — | 6 |
| 55378 | Town of Courtland | — | — | — | — | — | 1 | — | — | — | 1 |
| 55379 | Town of Cape Charles | 5 | — | — | 5 | 10 | 1 | 4 | 5 | — | 10 |
| 55380 | Town of Independence | — | — | — | — | — | — | — | — | — | — |
| 55381 | Town of Warsaw | 2 | — | — | 8 | 10 | 1 | 2 | 2 | — | 5 |
| 55382 | Town of Grundy | 3 | — | — | — | 3 | 1 | 2 | 2 | — | 5 |
| 55383 | Town of Warrenton | 23 | — | — | 25 | 48 | 8 | 16 | 20 | — | 44 |

Virginia Retirement System
VRS Group Life Insurance Plan
Schedule of Deferred Outflows and Deferred Inflows of Resources by Employer - continued
As of the Measurement Date of June 30, 2018

(Dollars in Thousands)

| Employer Code | Employer | Deferred Outflows of Resources | | | | | Deferred Inflows of Resources | | | | |
|---------------|---|--|--|-----------------------|--------------------------------|--------------------------------------|--|--|-----------------------|--------------------------------|-------------------------------------|
| | | Differences Between Expected and Actual Experience | Net Difference Between Projected and Actual Investment Earnings on OPEB Plan Investments | Change of Assumptions | Changes in Proportionate Share | Total Deferred Outflows of Resources | Differences Between Expected and Actual Experience | Net Difference Between Projected and Actual Investment Earnings on OPEB Plan Investments | Change of Assumptions | Changes in Proportionate Share | Total Deferred Inflows of Resources |
| 55384 | Town of Louisa | 3 | — | — | — | 3 | 1 | 2 | 2 | — | 5 |
| 55385 | Town of Kenbridge | 2 | — | — | — | 2 | 1 | 1 | 1 | — | 3 |
| 55386 | Town of Mt. Jackson | 3 | — | — | 6 | 9 | 1 | 2 | 3 | — | 6 |
| 55387 | Town of Pulaski | 16 | — | — | 13 | 29 | 5 | 11 | 14 | 14 | 44 |
| 55388 | Town of Jarratt | — | — | — | — | — | — | — | — | — | — |
| 55389 | Town of Pembroke | 1 | — | — | — | 1 | — | 1 | 1 | — | 2 |
| 55390 | Town of Parksley | 1 | — | — | — | 1 | 1 | — | — | 7 | 8 |
| 55391 | Town of Onancock | 2 | — | — | — | 2 | — | 2 | 2 | 2 | 6 |
| 55392 | Town of Victoria | 2 | — | — | — | 2 | 1 | 1 | 2 | — | 4 |
| 55393 | Town of Shenandoah | 3 | — | — | — | 3 | 1 | 2 | 2 | 2 | 7 |
| 55394 | Town of Gate City | — | — | — | — | — | — | — | — | — | — |
| 55395 | Town of Round Hill | 3 | — | — | — | 3 | 1 | 2 | 3 | — | 6 |
| 55396 | Town of Kilmarnock | 4 | — | — | 5 | 9 | 2 | 2 | 3 | — | 7 |
| 55397 | Town of Orange | 9 | — | — | 3 | 12 | 3 | 6 | 8 | 4 | 21 |
| 55398 | Town of Saltville | — | — | — | — | — | — | — | — | — | — |
| 55399 | Town of Blackstone | 8 | — | — | — | 8 | 3 | 5 | 7 | 14 | 29 |
| 55401 | Southeastern Virginia Public Service Authority | 23 | — | — | — | 23 | 8 | 15 | 20 | 24 | 67 |
| 55402 | Pittsylvania County Service Authority | 1 | — | — | — | 1 | — | 1 | 1 | 3 | 5 |
| 55403 | Spotsylvania-Stafford-Fredericksburg Group Home Comm. | 2 | — | — | — | 2 | 1 | 1 | 2 | — | 4 |

Virginia Retirement System
VRS Group Life Insurance Plan
Schedule of Deferred Outflows and Deferred Inflows of Resources by Employer - continued
As of the Measurement Date of June 30, 2018

(Dollars in Thousands)

| Employer Code | Employer | Deferred Outflows of Resources | | | | | Deferred Inflows of Resources | | | | |
|---------------|---|--|--|-----------------------|--------------------------------|--------------------------------------|--|--|-----------------------|--------------------------------|-------------------------------------|
| | | Differences Between Expected and Actual Experience | Net Difference Between Projected and Actual Investment Earnings on OPEB Plan Investments | Change of Assumptions | Changes in Proportionate Share | Total Deferred Outflows of Resources | Differences Between Expected and Actual Experience | Net Difference Between Projected and Actual Investment Earnings on OPEB Plan Investments | Change of Assumptions | Changes in Proportionate Share | Total Deferred Inflows of Resources |
| 55404 | Appomattox Regional Library | 3 | — | — | 5 | 8 | 1 | 2 | 2 | 3 | 8 |
| 55405 | Staunton Redevelopment & Housing Authority | 1 | — | — | — | 1 | 1 | 1 | 1 | — | 3 |
| 55406 | Hampton Newport News Community Services Board | — | — | — | — | — | — | — | — | — | — |
| 55408 | Charles Pinckney Jones Memorial Library | — | — | — | — | — | 1 | — | — | — | 1 |
| 55409 | Southside Regional Juvenile Group Home Commission | — | — | — | — | — | 1 | — | — | — | 1 |
| 55411 | Hampton Roads Sanitation District | 195 | — | — | 51 | 246 | 71 | 130 | 166 | — | 367 |
| 55412 | Peninsula Airport Commission | 9 | — | — | — | 9 | 3 | 6 | 8 | 17 | 34 |
| 55413 | Richmond Redevelopment & Housing Authority | 32 | — | — | 15 | 47 | 12 | 21 | 27 | 34 | 94 |
| 55415 | Chesapeake Redevelopment & Housing Authority | 8 | — | — | — | 8 | 3 | 5 | 7 | — | 15 |
| 55416 | Alexandria Sanitation Authority | — | — | — | — | — | — | — | — | — | — |
| 55417 | Norfolk Airport Authority | 46 | — | — | 24 | 70 | 17 | 31 | 39 | — | 87 |
| 55418 | Charlottesville Redevelopment & Housing Authority | 2 | — | — | 7 | 9 | — | 2 | 2 | 6 | 10 |
| 55419 | Hampton Redevelopment & Housing Authority | 11 | — | — | — | 11 | 3 | 8 | 10 | 6 | 27 |
| 55420 | Loudoun County Sanitation Authority | 86 | — | — | 76 | 162 | 32 | 57 | 73 | — | 162 |
| 55421 | Danville Redevelopment & Housing Authority | 5 | — | — | — | 5 | 3 | 3 | 4 | — | 10 |
| 55422 | NRV Regional Water Authority | 5 | — | — | 9 | 14 | 2 | 3 | 4 | — | 9 |

Virginia Retirement System
VRS Group Life Insurance Plan
Schedule of Deferred Outflows and Deferred Inflows of Resources by Employer - continued
As of the Measurement Date of June 30, 2018

(Dollars in Thousands)

| Employer Code | Employer | Deferred Outflows of Resources | | | | | Deferred Inflows of Resources | | | | |
|---------------|---|--|--|-----------------------|--------------------------------|--------------------------------------|--|--|-----------------------|--------------------------------|-------------------------------------|
| | | Differences Between Expected and Actual Experience | Net Difference Between Projected and Actual Investment Earnings on OPEB Plan Investments | Change of Assumptions | Changes in Proportionate Share | Total Deferred Outflows of Resources | Differences Between Expected and Actual Experience | Net Difference Between Projected and Actual Investment Earnings on OPEB Plan Investments | Change of Assumptions | Changes in Proportionate Share | Total Deferred Inflows of Resources |
| 55423 | Northern Virginia Juvenile Detention Home | 17 | — | — | 16 | 33 | 6 | 12 | 15 | 32 | 65 |
| 55424 | Hopewell Redevelopment and Housing Authority | — | — | — | — | — | — | — | — | — | — |
| 55425 | Colonial Services Board | 36 | — | — | 44 | 80 | 13 | 24 | 30 | — | 67 |
| 55426 | Blacksburg-VPI Sanitation Authority | 4 | — | — | — | 4 | 2 | 2 | 3 | — | 7 |
| 55427 | Potomac River Fisheries Commission | 1 | — | — | — | 1 | — | 1 | 1 | — | 2 |
| 55428 | Chesapeake Bay Bridge & Tunnel District | 31 | — | — | 3 | 34 | 11 | 21 | 27 | — | 59 |
| 55429 | Alexandria Redevelopment & Housing Authority | 19 | — | — | 2 | 21 | 7 | 13 | 16 | — | 36 |
| 55430 | Albemarle County Service Authority | 15 | — | — | 3 | 18 | 6 | 10 | 13 | — | 29 |
| 55431 | Franklin Redevelopment & Housing Authority | 2 | — | — | 4 | 6 | — | 1 | 2 | — | 3 |
| 55432 | Bristol Redevelopment & Housing Authority | 4 | — | — | — | 4 | 2 | 3 | 3 | — | 8 |
| 55433 | Norfolk Redevelopment & Housing Authority | 54 | — | — | 29 | 83 | 20 | 36 | 46 | 11 | 113 |
| 55435 | Richmond Metropolitan Authority | 15 | — | — | — | 15 | 6 | 10 | 12 | 36 | 64 |
| 55436 | Riverside Regional Jail | 61 | — | — | 70 | 131 | 22 | 40 | 52 | 44 | 158 |
| 55439 | Rappahannock-Rapidan Planning District Commission | 1 | — | — | 3 | 4 | 1 | 1 | 1 | 2 | 5 |
| 55440 | Shenandoah Valley Juvenile Detention Home | 13 | — | — | 28 | 41 | 5 | 8 | 11 | — | 24 |
| 55442 | Southside Regional Library Board | — | — | — | — | — | — | — | — | — | — |
| 55443 | Bedford Public Library | 3 | — | — | — | 3 | 1 | 2 | 2 | — | 5 |

Virginia Retirement System
VRS Group Life Insurance Plan
Schedule of Deferred Outflows and Deferred Inflows of Resources by Employer - continued
As of the Measurement Date of June 30, 2018

(Dollars in Thousands)

| Employer Code | Employer | Deferred Outflows of Resources | | | | | Deferred Inflows of Resources | | | | |
|---------------|---|--|--|-----------------------|--------------------------------|--------------------------------------|--|--|-----------------------|--------------------------------|-------------------------------------|
| | | Differences Between Expected and Actual Experience | Net Difference Between Projected and Actual Investment Earnings on OPEB Plan Investments | Change of Assumptions | Changes in Proportionate Share | Total Deferred Outflows of Resources | Differences Between Expected and Actual Experience | Net Difference Between Projected and Actual Investment Earnings on OPEB Plan Investments | Change of Assumptions | Changes in Proportionate Share | Total Deferred Inflows of Resources |
| 55445 | Chesterfield County Health Center Commission | 24 | — | — | — | 24 | 8 | 16 | 20 | 82 | 126 |
| 55446 | Washington County Service Authority | 14 | — | — | — | 14 | 6 | 9 | 12 | 3 | 30 |
| 55447 | Rappahannock Area Community Services Board | 78 | — | — | 96 | 174 | 28 | 52 | 66 | — | 146 |
| 55449 | Hampton Roads Planning District Commission | 13 | — | — | 10 | 23 | 4 | 9 | 11 | 15 | 39 |
| 55450 | Meherrin Regional Library | 1 | — | — | — | 1 | — | 1 | 1 | — | 2 |
| 55451 | New River Valley Planning District | — | — | — | — | — | — | — | — | — | — |
| 55452 | Northern Virginia Healthcare Center & District Home | — | — | — | — | — | — | — | — | — | — |
| 55453 | Rockbridge Area Community Services Board | 17 | — | — | 29 | 46 | 7 | 11 | 14 | 4 | 36 |
| 55454 | Greensville/Emporia Department of Social Services | 4 | — | — | — | 4 | 1 | 3 | 4 | — | 8 |
| 55455 | James City Service Authority | 17 | — | — | — | 17 | 6 | 11 | 14 | 2 | 33 |
| 55456 | Accomack-Northampton Planning District Commission | 3 | — | — | — | 3 | 1 | 2 | 2 | 3 | 8 |
| 55457 | Harrisonburg/Rockingham Sewer Authority | 6 | — | — | — | 6 | 3 | 4 | 5 | — | 12 |
| 55458 | Wytheville Redevelopment & Housing Authority | 2 | — | — | — | 2 | — | 1 | 2 | — | 3 |
| 55459 | Waynesboro Redevelopment and Housing Authority | 3 | — | — | — | 3 | 1 | 2 | 2 | 15 | 20 |
| 55460 | Region Ten Community Services Board | 86 | — | — | 43 | 129 | 31 | 57 | 73 | — | 161 |

Virginia Retirement System
VRS Group Life Insurance Plan
Schedule of Deferred Outflows and Deferred Inflows of Resources by Employer - continued
As of the Measurement Date of June 30, 2018

(Dollars in Thousands)

| Employer Code | Employer | Deferred Outflows of Resources | | | | | Deferred Inflows of Resources | | | | |
|---------------|--|--|--|-----------------------|--------------------------------|--------------------------------------|--|--|-----------------------|--------------------------------|-------------------------------------|
| | | Differences Between Expected and Actual Experience | Net Difference Between Projected and Actual Investment Earnings on OPEB Plan Investments | Change of Assumptions | Changes in Proportionate Share | Total Deferred Outflows of Resources | Differences Between Expected and Actual Experience | Net Difference Between Projected and Actual Investment Earnings on OPEB Plan Investments | Change of Assumptions | Changes in Proportionate Share | Total Deferred Inflows of Resources |
| 55462 | LENOWISCO Planning District Commission | 1 | — | — | — | 1 | — | 1 | 1 | 4 | 6 |
| 55465 | Rivanna Water & Sewer Authority | 19 | — | — | 15 | 34 | 7 | 13 | 16 | — | 36 |
| 55466 | Appomattox River Water Authority | 6 | — | — | — | 6 | 2 | 4 | 5 | 2 | 13 |
| 55467 | Campbell County Utilities and Service Authority | 5 | — | — | — | 5 | 2 | 3 | 4 | — | 9 |
| 55469 | Eastern Shore Community Services Board | 20 | — | — | 11 | 31 | 7 | 13 | 17 | — | 37 |
| 55470 | ANCHOR Commission | 1 | — | — | — | 1 | — | — | 1 | — | 1 |
| 55471 | Central Virginia Community Services | 109 | — | — | — | 109 | 40 | 72 | 93 | 86 | 291 |
| 55472 | District 19 Community Services Board | 34 | — | — | 14 | 48 | 13 | 23 | 29 | 45 | 110 |
| 55473 | Tidewater Transportation District | 67 | — | — | — | 67 | 25 | 45 | 57 | 52 | 179 |
| 55474 | Upper Occoquan Sewage Authority | 54 | — | — | — | 54 | 21 | 36 | 46 | 24 | 127 |
| 55475 | New River Valley Juvenile Detention Home | 3 | — | — | — | 3 | 1 | 2 | 3 | 2 | 8 |
| 55476 | Rockbridge Regional Library | — | — | — | — | — | — | — | — | — | — |
| 55477 | Frederick County Sanitation Authority | 14 | — | — | 22 | 36 | 5 | 9 | 12 | — | 26 |
| 55478 | Western Tidewater Community Services Board | — | — | — | — | — | — | — | — | — | — |
| 55479 | Cumberland Mountain Community Services | 44 | — | — | 78 | 122 | 16 | 29 | 37 | — | 82 |
| 55482 | Middle Peninsula/Northern Neck Public Service Auth | 52 | — | — | 37 | 89 | 18 | 35 | 45 | 30 | 128 |
| 55483 | Rockbridge County Public Service Authority | 2 | — | — | — | 2 | 1 | 1 | 1 | — | 3 |

Virginia Retirement System
VRS Group Life Insurance Plan
Schedule of Deferred Outflows and Deferred Inflows of Resources by Employer - continued
As of the Measurement Date of June 30, 2018

(Dollars in Thousands)

| Employer Code | Employer | Deferred Outflows of Resources | | | | | Deferred Inflows of Resources | | | | |
|---------------|--|--|--|-----------------------|--------------------------------|--------------------------------------|--|--|-----------------------|--------------------------------|-------------------------------------|
| | | Differences Between Expected and Actual Experience | Net Difference Between Projected and Actual Investment Earnings on OPEB Plan Investments | Change of Assumptions | Changes in Proportionate Share | Total Deferred Outflows of Resources | Differences Between Expected and Actual Experience | Net Difference Between Projected and Actual Investment Earnings on OPEB Plan Investments | Change of Assumptions | Changes in Proportionate Share | Total Deferred Inflows of Resources |
| 55484 | Danville-Pittsylvania Mental Health Services Board | 39 | — | — | 30 | 69 | 14 | 26 | 33 | — | 73 |
| 55485 | Crater Youth Care Commission | 5 | — | — | — | 5 | 2 | 3 | 4 | 2 | 11 |
| 55486 | Southeastern Tidewater Manpower Authority | 7 | — | — | — | 7 | 2 | 5 | 6 | 18 | 31 |
| 55487 | Capital Regional Airport Commission | 34 | — | — | 41 | 75 | 13 | 22 | 29 | — | 64 |
| 55488 | Northwestern Community Services Board | 29 | — | — | 63 | 92 | 11 | 19 | 25 | — | 55 |
| 55489 | Harrisonburg-Rockingham Community Services Board | 25 | — | — | 44 | 69 | 9 | 17 | 22 | — | 48 |
| 55491 | Middle Peninsula Regional Security Center | 11 | — | — | — | 11 | 5 | 7 | 9 | — | 21 |
| 55492 | Northern Neck Planning District Commission | 1 | — | — | — | 1 | — | 1 | 1 | — | 2 |
| 55493 | Planning District One Community Services Board | 1 | — | — | — | 1 | — | 1 | 1 | — | 2 |
| 55494 | Rockbridge Area Social Services Board | 4 | — | — | 5 | 9 | 1 | 3 | 3 | — | 7 |
| 55495 | Dinwiddie County Water Authority | 2 | — | — | — | 2 | 1 | 1 | 2 | — | 4 |
| 55496 | Rappahannock Rapidan Community Services | 40 | — | — | — | 40 | 15 | 26 | 34 | 43 | 118 |
| 55498 | Valley Community Services Board | 40 | — | — | — | 40 | 15 | 27 | 34 | 10 | 86 |
| 55499 | Eastern Shore Public Library | 1 | — | — | — | 1 | — | 1 | 1 | — | 2 |
| 55500 | Alexandria City Public Schools | 32 | — | — | — | 32 | 12 | 21 | 27 | 15 | 75 |
| 55501 | Albemarle County Public Schools | 28 | — | — | 20 | 48 | 10 | 18 | 24 | — | 52 |
| 55502 | Alleghany Highlands Public Schools | 7 | — | — | — | 7 | 2 | 5 | 6 | 6 | 19 |

Virginia Retirement System
VRS Group Life Insurance Plan
Schedule of Deferred Outflows and Deferred Inflows of Resources by Employer - continued
As of the Measurement Date of June 30, 2018

(Dollars in Thousands)

| Employer Code | Employer | Deferred Outflows of Resources | | | | | Deferred Inflows of Resources | | | | |
|---------------|-------------------------------------|--|--|-----------------------|--------------------------------|--------------------------------------|--|--|-----------------------|--------------------------------|-------------------------------------|
| | | Differences Between Expected and Actual Experience | Net Difference Between Projected and Actual Investment Earnings on OPEB Plan Investments | Change of Assumptions | Changes in Proportionate Share | Total Deferred Outflows of Resources | Differences Between Expected and Actual Experience | Net Difference Between Projected and Actual Investment Earnings on OPEB Plan Investments | Change of Assumptions | Changes in Proportionate Share | Total Deferred Inflows of Resources |
| 55503 | Charlottesville City Public Schools | 8 | — | — | — | 8 | 3 | 5 | 7 | 13 | 28 |
| 55504 | Amherst County Public Schools | 10 | — | — | 12 | 22 | 4 | 7 | 9 | 7 | 27 |
| 55505 | Appomattox County Public Schools | 3 | — | — | — | 3 | 1 | 2 | 2 | — | 5 |
| 55506 | Arlington County Public Schools | 85 | — | — | 144 | 229 | 32 | 56 | 72 | — | 160 |
| 55507 | Augusta County Public Schools | 10 | — | — | — | 10 | 3 | 7 | 9 | 17 | 36 |
| 55508 | Bath County Public Schools | 3 | — | — | — | 3 | 1 | 2 | 2 | 5 | 10 |
| 55509 | Bedford County Public Schools | 22 | — | — | — | 22 | 9 | 14 | 18 | 14 | 55 |
| 55510 | Bland County Public Schools | 2 | — | — | — | 2 | 1 | 1 | 1 | 6 | 9 |
| 55511 | Botetourt County Public Schools | 10 | — | — | 4 | 14 | 3 | 7 | 9 | — | 19 |
| 55512 | Norfolk Public Schools | 68 | — | — | 2 | 70 | 25 | 45 | 58 | 6 | 134 |
| 55513 | Petersburg City Public Schools | 9 | — | — | — | 9 | 3 | 6 | 8 | 14 | 31 |
| 55514 | Buckingham County Public Schools | 3 | — | — | — | 3 | 1 | 2 | 3 | — | 6 |
| 55515 | Radford City Public Schools | 1 | — | — | — | 1 | 1 | 1 | 1 | — | 3 |
| 55516 | Caroline County Public Schools | 5 | — | — | 5 | 10 | 1 | 4 | 5 | 8 | 18 |
| 55517 | Carroll County Public Schools | 8 | — | — | — | 8 | 3 | 5 | 7 | 37 | 52 |
| 55518 | Charles City County Public Schools | 1 | — | — | — | 1 | — | 1 | 1 | — | 2 |
| 55519 | Charlotte County Public Schools | 3 | — | — | 3 | 6 | 1 | 2 | 2 | — | 5 |
| 55520 | Chesterfield County Public Schools | 67 | — | — | 71 | 138 | 24 | 45 | 57 | 322 | 448 |
| 55521 | Clarke County Public Schools | 3 | — | — | — | 3 | 1 | 2 | 2 | — | 5 |
| 55522 | Winchester City Public Schools | 9 | — | — | 4 | 13 | 3 | 6 | 8 | — | 17 |

Virginia Retirement System
VRS Group Life Insurance Plan
Schedule of Deferred Outflows and Deferred Inflows of Resources by Employer - continued
As of the Measurement Date of June 30, 2018

(Dollars in Thousands)

| Employer Code | Employer | Deferred Outflows of Resources | | | | | Deferred Inflows of Resources | | | | |
|---------------|------------------------------------|--|--|-----------------------|--------------------------------|--------------------------------------|--|--|-----------------------|--------------------------------|-------------------------------------|
| | | Differences Between Expected and Actual Experience | Net Difference Between Projected and Actual Investment Earnings on OPEB Plan Investments | Change of Assumptions | Changes in Proportionate Share | Total Deferred Outflows of Resources | Differences Between Expected and Actual Experience | Net Difference Between Projected and Actual Investment Earnings on OPEB Plan Investments | Change of Assumptions | Changes in Proportionate Share | Total Deferred Inflows of Resources |
| 55523 | Culpeper County Public Schools | 18 | — | — | 15 | 33 | 6 | 12 | 15 | — | 33 |
| 55524 | Cumberland County Public Schools | 3 | — | — | — | 3 | 1 | 2 | 2 | — | 5 |
| 55525 | Dickenson County Public Schools | 5 | — | — | — | 5 | 3 | 3 | 4 | 8 | 18 |
| 55526 | Dinwiddie County Public Schools | 7 | — | — | — | 7 | 2 | 5 | 6 | 13 | 26 |
| 55528 | Essex County Public Schools | 3 | — | — | — | 3 | 1 | 2 | 2 | — | 5 |
| 55530 | Covington City Public Schools | 1 | — | — | — | 1 | 1 | 1 | 1 | — | 3 |
| 55531 | Floyd County Public Schools | 6 | — | — | — | 6 | 3 | 4 | 5 | — | 12 |
| 55532 | Fluvanna County Public Schools | 9 | — | — | — | 9 | 3 | 6 | 8 | 11 | 28 |
| 55533 | Chesapeake City Public Schools | 84 | — | — | — | 84 | 30 | 56 | 71 | 93 | 250 |
| 55534 | Virginia Beach City Public Schools | 176 | — | — | — | 176 | 65 | 117 | 150 | 81 | 413 |
| 55535 | Giles County Public Schools | 1 | — | — | — | 1 | 1 | 1 | 1 | — | 3 |
| 55536 | Gloucester County Public Schools | 12 | — | — | — | 12 | 4 | 8 | 10 | 47 | 69 |
| 55537 | Goochland County Public Schools | 3 | — | — | — | 3 | 1 | 2 | 3 | 7 | 13 |
| 55538 | Grayson County Public Schools | 4 | — | — | — | 4 | 2 | 2 | 3 | 10 | 17 |
| 55539 | Greene County Public Schools | 7 | — | — | — | 7 | 3 | 4 | 6 | 8 | 21 |
| 55540 | Greensville County Public Schools | 3 | — | — | — | 3 | 2 | 2 | 3 | — | 7 |
| 55541 | Halifax County Public Schools | 6 | — | — | — | 6 | 2 | 4 | 6 | 24 | 36 |
| 55542 | Hanover County Public Schools | 20 | — | — | — | 20 | 8 | 13 | 17 | 62 | 100 |
| 55543 | Henrico County Public Schools | 3 | — | — | — | 3 | 1 | 2 | 2 | — | 5 |
| 55544 | Henry County Public Schools | 14 | — | — | 11 | 25 | 5 | 9 | 12 | — | 26 |

Virginia Retirement System
VRS Group Life Insurance Plan
Schedule of Deferred Outflows and Deferred Inflows of Resources by Employer - continued
As of the Measurement Date of June 30, 2018

(Dollars in Thousands)

| Employer Code | Employer | Deferred Outflows of Resources | | | | | Deferred Inflows of Resources | | | | |
|---------------|--------------------------------------|--|--|-----------------------|--------------------------------|--------------------------------------|--|--|-----------------------|--------------------------------|-------------------------------------|
| | | Differences Between Expected and Actual Experience | Net Difference Between Projected and Actual Investment Earnings on OPEB Plan Investments | Change of Assumptions | Changes in Proportionate Share | Total Deferred Outflows of Resources | Differences Between Expected and Actual Experience | Net Difference Between Projected and Actual Investment Earnings on OPEB Plan Investments | Change of Assumptions | Changes in Proportionate Share | Total Deferred Inflows of Resources |
| 55545 | Highland County Public Schools | 1 | — | — | — | 1 | — | 1 | 1 | — | 2 |
| 55546 | Isle of Wight County Public Schools | 6 | — | — | — | 6 | 3 | 4 | 5 | 5 | 17 |
| 55548 | King George County Public Schools | 10 | — | — | 21 | 31 | 4 | 7 | 8 | 5 | 24 |
| 55549 | King and Queen County Public Schools | 3 | — | — | — | 3 | 1 | 2 | 2 | — | 5 |
| 55550 | King William County Public Schools | 5 | — | — | — | 5 | 3 | 3 | 4 | 9 | 19 |
| 55551 | Lancaster County Public Schools | 3 | — | — | — | 3 | 1 | 2 | 3 | — | 6 |
| 55552 | Lee County Public Schools | 8 | — | — | 3 | 11 | 3 | 5 | 7 | — | 15 |
| 55553 | Loudoun County Public Schools | 226 | — | — | 184 | 410 | 83 | 150 | 193 | 39 | 465 |
| 55554 | Louisa County Public Schools | 15 | — | — | — | 15 | 5 | 10 | 13 | 10 | 38 |
| 55555 | Lunenburg County Public Schools | 3 | — | — | — | 3 | 1 | 2 | 2 | — | 5 |
| 55556 | Madison County Public Schools | 3 | — | — | 3 | 6 | 1 | 2 | 3 | — | 6 |
| 55557 | Mathews County Public Schools | 3 | — | — | — | 3 | 1 | 2 | 3 | — | 6 |
| 55558 | Mecklenburg County Public Schools | 4 | — | — | 18 | 22 | 1 | 3 | 4 | — | 8 |
| 55559 | Middlesex County Public Schools | 2 | — | — | — | 2 | — | 1 | 2 | — | 3 |
| 55560 | Montgomery County Public Schools | 18 | — | — | — | 18 | 6 | 12 | 15 | 113 | 146 |
| 55562 | Nelson County Public Schools | 6 | — | — | — | 6 | 3 | 4 | 5 | — | 12 |
| 55563 | New Kent County Public Schools | 5 | — | — | — | 5 | 2 | 3 | 4 | — | 9 |
| 55565 | Northampton County Public Schools | 4 | — | — | — | 4 | 1 | 3 | 3 | — | 7 |
| 55566 | Northumberland County Public Schools | 3 | — | — | — | 3 | 1 | 2 | 2 | — | 5 |
| 55567 | Nottoway County Public Schools | 4 | — | — | — | 4 | 2 | 2 | 3 | 6 | 13 |

Virginia Retirement System
VRS Group Life Insurance Plan
Schedule of Deferred Outflows and Deferred Inflows of Resources by Employer - continued
As of the Measurement Date of June 30, 2018

(Dollars in Thousands)

| Employer Code | Employer | Deferred Outflows of Resources | | | | | Deferred Inflows of Resources | | | | |
|---------------|--------------------------------------|--|--|-----------------------|--------------------------------|--------------------------------------|--|--|-----------------------|--------------------------------|-------------------------------------|
| | | Differences Between Expected and Actual Experience | Net Difference Between Projected and Actual Investment Earnings on OPEB Plan Investments | Change of Assumptions | Changes in Proportionate Share | Total Deferred Outflows of Resources | Differences Between Expected and Actual Experience | Net Difference Between Projected and Actual Investment Earnings on OPEB Plan Investments | Change of Assumptions | Changes in Proportionate Share | Total Deferred Inflows of Resources |
| 55568 | Orange County Public Schools | 12 | — | — | — | 12 | 5 | 8 | 10 | 6 | 29 |
| 55569 | Page County Public Schools | 7 | — | — | — | 7 | 3 | 5 | 6 | 6 | 20 |
| 55570 | Patrick County Public Schools | 7 | — | — | — | 7 | 2 | 5 | 6 | — | 13 |
| 55571 | Pittsylvania County Public Schools | 11 | — | — | — | 11 | 5 | 7 | 9 | 9 | 30 |
| 55572 | Powhatan County Public Schools | 7 | — | — | — | 7 | 3 | 4 | 6 | 9 | 22 |
| 55573 | Prince Edward County Public Schools | 2 | — | — | — | 2 | — | 2 | 2 | 2 | 6 |
| 55574 | Prince George County Public Schools | 14 | — | — | — | 14 | 5 | 10 | 12 | 30 | 57 |
| 55576 | Prince William County Public Schools | 227 | — | — | 53 | 280 | 83 | 151 | 193 | 20 | 447 |
| 55577 | Pulaski County Public Schools | 9 | — | — | — | 9 | 3 | 6 | 8 | 12 | 29 |
| 55578 | Rappahannock County Public Schools | 3 | — | — | — | 3 | 1 | 2 | 2 | — | 5 |
| 55579 | Richmond County Public Schools | — | — | — | — | — | — | — | — | — | — |
| 55580 | Roanoke County Public Schools | 12 | — | — | — | 12 | 5 | 8 | 10 | 6 | 29 |
| 55581 | Rockbridge County Public Schools | 5 | — | — | — | 5 | 3 | 3 | 4 | 15 | 25 |
| 55582 | Rockingham County Public Schools | 32 | — | — | — | 32 | 12 | 21 | 27 | 23 | 83 |
| 55583 | Russell County Public Schools | 10 | — | — | — | 10 | 3 | 7 | 9 | 12 | 31 |
| 55584 | Scott County Public Schools | 9 | — | — | — | 9 | 3 | 6 | 7 | 6 | 22 |
| 55585 | Shenandoah County Public Schools | 14 | — | — | — | 14 | 5 | 9 | 12 | 28 | 54 |
| 55586 | Smyth County Public Schools | 9 | — | — | — | 9 | 3 | 6 | 7 | 13 | 29 |
| 55587 | Southampton County Public Schools | 3 | — | — | 4 | 7 | 1 | 2 | 3 | 10 | 16 |
| 55588 | Spotsylvania County Public Schools | 36 | — | — | — | 36 | 14 | 24 | 31 | 21 | 90 |

Virginia Retirement System
VRS Group Life Insurance Plan
Schedule of Deferred Outflows and Deferred Inflows of Resources by Employer - continued
As of the Measurement Date of June 30, 2018

(Dollars in Thousands)

| Employer Code | Employer | Deferred Outflows of Resources | | | | | Deferred Inflows of Resources | | | | |
|---------------|------------------------------------|--|--|-----------------------|--------------------------------|--------------------------------------|--|--|-----------------------|--------------------------------|-------------------------------------|
| | | Differences Between Expected and Actual Experience | Net Difference Between Projected and Actual Investment Earnings on OPEB Plan Investments | Change of Assumptions | Changes in Proportionate Share | Total Deferred Outflows of Resources | Differences Between Expected and Actual Experience | Net Difference Between Projected and Actual Investment Earnings on OPEB Plan Investments | Change of Assumptions | Changes in Proportionate Share | Total Deferred Inflows of Resources |
| 55589 | Stafford County Public Schools | 34 | — | — | — | 34 | 12 | 23 | 29 | — | 64 |
| 55590 | Surry County Public Schools | 4 | — | — | — | 4 | 2 | 2 | 3 | — | 7 |
| 55591 | Sussex County School Board | 4 | — | — | — | 4 | 2 | 2 | 3 | 9 | 16 |
| 55592 | Tazewell County Public Schools | 15 | — | — | — | 15 | 5 | 10 | 13 | 29 | 57 |
| 55593 | Warren County Public Schools | 8 | — | — | — | 8 | 2 | 5 | 7 | 7 | 21 |
| 55595 | Washington County Public Schools | 10 | — | — | — | 10 | 3 | 7 | 9 | 14 | 33 |
| 55596 | Westmoreland County Public Schools | 3 | — | — | — | 3 | 1 | 2 | 2 | 3 | 8 |
| 55597 | Wise County Public Schools | 6 | — | — | — | 6 | 2 | 4 | 5 | 18 | 29 |
| 55598 | Wythe County Public Schools | 5 | — | — | 4 | 9 | 1 | 4 | 5 | — | 10 |
| 55599 | York County Public Schools | 25 | — | — | — | 25 | 9 | 17 | 22 | 27 | 75 |
| 55600 | Accomack County Public Schools | 12 | — | — | — | 12 | 4 | 8 | 10 | 6 | 28 |
| 55601 | Bristol VA Public Schools | 4 | — | — | 38 | 42 | 2 | 2 | 3 | — | 7 |
| 55602 | Buena Vista City Public Schools | 1 | — | — | — | 1 | 1 | 1 | 1 | — | 3 |
| 55603 | Amelia County Public Schools | 3 | — | — | — | 3 | 1 | 2 | 3 | 3 | 9 |
| 55605 | Danville City Public Schools | 8 | — | — | 8 | 16 | 3 | 5 | 6 | 4 | 18 |
| 55606 | Franklin City Public Schools | 2 | — | — | — | 2 | 1 | 1 | 1 | — | 3 |
| 55608 | Harrisonburg City Public Schools | 8 | — | — | 13 | 21 | 3 | 6 | 7 | 2 | 18 |
| 55609 | Hopewell City Public Schools | 8 | — | — | 8 | 16 | 3 | 5 | 7 | — | 15 |
| 55610 | Lynchburg City Public Schools | 15 | — | — | — | 15 | 5 | 10 | 13 | 14 | 42 |
| 55611 | Fauquier County Public Schools | 29 | — | — | 12 | 41 | 11 | 19 | 25 | 16 | 71 |

Virginia Retirement System
VRS Group Life Insurance Plan
Schedule of Deferred Outflows and Deferred Inflows of Resources by Employer - continued
As of the Measurement Date of June 30, 2018

(Dollars in Thousands)

| Employer Code | Employer | Deferred Outflows of Resources | | | | | Deferred Inflows of Resources | | | | |
|---------------|---------------------------------------|--|--|-----------------------|--------------------------------|--------------------------------------|--|--|-----------------------|--------------------------------|-------------------------------------|
| | | Differences Between Expected and Actual Experience | Net Difference Between Projected and Actual Investment Earnings on OPEB Plan Investments | Change of Assumptions | Changes in Proportionate Share | Total Deferred Outflows of Resources | Differences Between Expected and Actual Experience | Net Difference Between Projected and Actual Investment Earnings on OPEB Plan Investments | Change of Assumptions | Changes in Proportionate Share | Total Deferred Inflows of Resources |
| 55612 | Brunswick County Public Schools | 4 | — | — | — | 4 | 1 | 3 | 4 | 3 | 11 |
| 55613 | PD Pruden Vocational-Technical Center | — | — | — | — | — | — | — | — | 5 | 5 |
| 55614 | Portsmouth City Public Schools | 30 | — | — | — | 30 | 11 | 20 | 26 | 40 | 97 |
| 55615 | Campbell County Public Schools | 12 | — | — | — | 12 | 5 | 8 | 11 | — | 24 |
| 55616 | Richmond Public Schools | 41 | — | — | 7 | 48 | 14 | 27 | 35 | 38 | 114 |
| 55617 | Roanoke City Schools | 14 | — | — | 30 | 44 | 5 | 10 | 12 | — | 27 |
| 55619 | Staunton City Public Schools | 4 | — | — | — | 4 | 1 | 3 | 4 | — | 8 |
| 55620 | Suffolk City Public Schools | 26 | — | — | 5 | 31 | 9 | 18 | 23 | — | 50 |
| 55622 | Craig County Public Schools | 1 | — | — | — | 1 | — | 1 | 1 | — | 2 |
| 55623 | Martinsville City Public Schools | 2 | — | — | — | 2 | 1 | 1 | 2 | — | 4 |
| 55624 | Appomattox Regional Governor's School | — | — | — | — | — | 1 | — | — | — | 1 |
| 55625 | Colonial Heights City Public Schools | 5 | — | — | 5 | 10 | 2 | 3 | 4 | — | 9 |
| 55632 | Manassas City Public Schools | 13 | — | — | — | 13 | 5 | 9 | 11 | 42 | 67 |
| 55633 | Franklin County Public Schools | 22 | — | — | 6 | 28 | 9 | 14 | 18 | — | 41 |
| 55634 | Frederick County Public Schools | 35 | — | — | — | 35 | 13 | 23 | 29 | — | 65 |
| 55635 | Salem City Public Schools | 5 | — | — | 2 | 7 | 2 | 3 | 4 | — | 9 |
| 55636 | Manassas Park City Public Schools | 5 | — | — | — | 5 | 3 | 3 | 4 | 2 | 12 |
| 55637 | Newport News Public Schools | 38 | — | — | 196 | 234 | 14 | 26 | 33 | — | 73 |
| 55708 | Waynesboro City Public Schools | 3 | — | — | 2 | 5 | 1 | 2 | 3 | — | 6 |
| 55710 | Valley Vocational-Technical Center | — | — | — | — | — | — | — | — | — | — |

Virginia Retirement System
VRS Group Life Insurance Plan
Schedule of Deferred Outflows and Deferred Inflows of Resources by Employer - continued
As of the Measurement Date of June 30, 2018

(Dollars in Thousands)

| Employer Code | Employer | Deferred Outflows of Resources | | | | | Deferred Inflows of Resources | | | | |
|---------------|--|--|--|-----------------------|--------------------------------|--------------------------------------|--|--|-----------------------|--------------------------------|-------------------------------------|
| | | Differences Between Expected and Actual Experience | Net Difference Between Projected and Actual Investment Earnings on OPEB Plan Investments | Change of Assumptions | Changes in Proportionate Share | Total Deferred Outflows of Resources | Differences Between Expected and Actual Experience | Net Difference Between Projected and Actual Investment Earnings on OPEB Plan Investments | Change of Assumptions | Changes in Proportionate Share | Total Deferred Inflows of Resources |
| 55711 | New Horizons Regional Education Center | 1 | — | — | 5 | 6 | — | 1 | 1 | — | 2 |
| 55713 | Galax City Public Schools | 2 | — | — | — | 2 | 1 | 1 | 2 | — | 4 |
| 55714 | Norton City Public Schools | 1 | — | — | — | 1 | — | 1 | 1 | — | 2 |
| 55802 | Williamsburg-James City County Public Schools | 21 | — | — | — | 21 | 7 | 14 | 18 | 22 | 61 |
| 55803 | Poquoson City Public Schools | 2 | — | — | — | 2 | 1 | 1 | 2 | — | 4 |
| 55806 | Fredericksburg City Public Schools | 5 | — | — | — | 5 | 2 | 3 | 4 | — | 9 |
| 55807 | Hampton City Public Schools | 17 | — | — | 19 | 36 | 6 | 11 | 14 | 15 | 46 |
| 55813 | Buchanan County Public Schools | 8 | — | — | — | 8 | 3 | 5 | 7 | 27 | 42 |
| 55814 | Jackson River Technical Center | — | — | — | — | — | 1 | — | — | — | 1 |
| 55815 | Northern Neck Regional Vocational Center | — | — | — | — | — | — | — | — | — | — |
| 55862 | Crater Criminal Justice Training Academy | 1 | — | — | 19 | 20 | — | 1 | 1 | — | 2 |
| 55863 | Central Shenandoah Criminal Justice Training Academy | 1 | — | — | 28 | 29 | 1 | 1 | 1 | — | 3 |
| 55864 | New River Valley Emergency Comm Regional Authority | 6 | — | — | 99 | 105 | 2 | 4 | 5 | — | 11 |
| 55865 | Maury Service Authority | 3 | — | — | 47 | 50 | 1 | 2 | 2 | — | 5 |
| 55866 | Hampton Roads Transportation Accountability Commission | 1 | — | — | 11 | 12 | — | 1 | 1 | — | 2 |
| 55867 | Pamunkey Regional Library | 5 | — | — | 11 | 16 | 2 | 3 | 4 | — | 9 |
| 55868 | Northern Virginia Transportation Authority | 4 | — | — | 22 | 26 | 1 | 3 | 4 | — | 8 |
| 55869 | RSW Regional Jail Authority | 18 | — | — | 10 | 28 | 7 | 12 | 15 | 33 | 67 |

Virginia Retirement System
VRS Group Life Insurance Plan
Schedule of Deferred Outflows and Deferred Inflows of Resources by Employer - continued
As of the Measurement Date of June 30, 2018

(Dollars in Thousands)

| Employer Code | Employer | Deferred Outflows of Resources | | | | | Deferred Inflows of Resources | | | | |
|---------------|--|--|--|-----------------------|--------------------------------|--------------------------------------|--|--|-----------------------|--------------------------------|-------------------------------------|
| | | Differences Between Expected and Actual Experience | Net Difference Between Projected and Actual Investment Earnings on OPEB Plan Investments | Change of Assumptions | Changes in Proportionate Share | Total Deferred Outflows of Resources | Differences Between Expected and Actual Experience | Net Difference Between Projected and Actual Investment Earnings on OPEB Plan Investments | Change of Assumptions | Changes in Proportionate Share | Total Deferred Inflows of Resources |
| 55870 | Bedford Regional Water Authority | 11 | — | — | 16 | 27 | 5 | 7 | 9 | — | 21 |
| 55871 | Portsmouth Redevelopment and Housing Authority | 14 | — | — | — | 14 | 5 | 9 | 12 | 24 | 50 |
| 55872 | Southwest Regional Recreation Authority | 2 | — | — | 17 | 19 | 1 | 1 | 1 | — | 3 |
| 55873 | Roanoke Redevelopment and Housing Authority | — | — | — | — | — | — | — | — | — | — |
| 55874 | Meherrin Regional Jail Authority | 19 | — | — | — | 19 | 7 | 13 | 16 | 43 | 79 |
| 55875 | Woodway Water Authority | 1 | — | — | — | 1 | — | 1 | 1 | — | 2 |
| 55876 | Bristol Virginia Utilities Authority (BVU) | 28 | — | — | — | 28 | 10 | 19 | 24 | 72 | 125 |
| 55877 | Washington Metropolitan Area Transit Commission | — | — | — | — | — | — | — | — | — | — |
| 55878 | Mount Rogers Community Services Board | 88 | — | — | 119 | 207 | 32 | 59 | 75 | — | 166 |
| 55879 | Lonesome Pine Soil & Water Conservation District | — | — | — | — | — | — | — | — | — | — |
| 55880 | Big Sandy Soil & Water Conservation District | — | — | — | — | — | — | — | — | — | — |
| 55881 | Virginia's Region 2000 Local Government Council | 7 | — | — | 16 | 23 | 2 | 5 | 6 | 13 | 26 |
| 55882 | Middle Peninsula Planning District Commission | 1 | — | — | — | 1 | (1) | 1 | 1 | 7 | 8 |
| 55883 | Western Virginia Regional Jail Authority | 32 | — | — | 6 | 38 | 12 | 21 | 27 | 6 | 66 |
| 55884 | Halifax Service Authority | 5 | — | — | — | 5 | 2 | 3 | 4 | 3 | 12 |
| 55886 | Russell County Public Service Authority | 2 | — | — | — | 2 | — | 1 | 2 | — | 3 |
| 55887 | Piedmont Community Services Board | 41 | — | — | 35 | 76 | 15 | 28 | 35 | 6 | 84 |

Virginia Retirement System
VRS Group Life Insurance Plan
Schedule of Deferred Outflows and Deferred Inflows of Resources by Employer - continued
As of the Measurement Date of June 30, 2018

(Dollars in Thousands)

| Employer Code | Employer | Deferred Outflows of Resources | | | | | Deferred Inflows of Resources | | | | |
|---------------|--|--|--|-----------------------|--------------------------------|--------------------------------------|--|--|-----------------------|--------------------------------|-------------------------------------|
| | | Differences Between Expected and Actual Experience | Net Difference Between Projected and Actual Investment Earnings on OPEB Plan Investments | Change of Assumptions | Changes in Proportionate Share | Total Deferred Outflows of Resources | Differences Between Expected and Actual Experience | Net Difference Between Projected and Actual Investment Earnings on OPEB Plan Investments | Change of Assumptions | Changes in Proportionate Share | Total Deferred Inflows of Resources |
| 55888 | Blue Ridge Behavioral Health Care | 55 | — | — | 31 | 86 | 20 | 36 | 47 | — | 103 |
| 55889 | Skyline Soil and Water Conservation District | — | — | — | — | — | — | — | — | — | — |
| 55890 | Middle River Regional Jail Authority | 27 | — | — | 43 | 70 | 10 | 18 | 23 | — | 51 |
| 55891 | Tidewater Soil and Water Conservation District | — | — | — | — | — | — | — | — | — | — |
| 55892 | Big Stone Gap Redevelopment and Housing Authority | — | — | — | — | — | — | — | — | — | — |
| 55893 | Eastern Shore Soil and Water Conservation District | 1 | — | — | — | 1 | — | — | 1 | — | 1 |
| 55894 | Town of Boykins | — | — | — | — | — | — | — | — | — | — |
| 55895 | Town of Gordonsville | 3 | — | — | — | 3 | 1 | 2 | 2 | 4 | 9 |
| 55896 | Virginia Resources Authority | 5 | — | — | — | 5 | 3 | 3 | 4 | 7 | 17 |
| 55897 | Prince William County Services Authority | 95 | — | — | 145 | 240 | 36 | 63 | 81 | — | 180 |
| 55898 | Western Virginia Water Authority | 40 | — | — | 35 | 75 | 15 | 26 | 34 | — | 75 |
| 55899 | Shenandoah Valley Regional Airport Commission | 3 | — | — | — | 3 | 1 | 2 | 2 | — | 5 |
| 55900 | Alleghany Highlands Community Services Board | 12 | — | — | — | 12 | 4 | 8 | 10 | 5 | 27 |
| 55901 | Brunswick Industrial Development Authority | — | — | — | — | — | 1 | — | — | 3 | 4 |
| 55902 | Northern Neck-Essex County Group Home Commission | — | — | — | — | — | — | — | — | — | — |
| 55904 | Highlands Juvenile Detention Center Commission | 7 | — | — | — | 7 | 3 | 5 | 6 | 7 | 21 |

Virginia Retirement System
VRS Group Life Insurance Plan
Schedule of Deferred Outflows and Deferred Inflows of Resources by Employer - continued
As of the Measurement Date of June 30, 2018

(Dollars in Thousands)

| Employer Code | Employer | Deferred Outflows of Resources | | | | | Deferred Inflows of Resources | | | | |
|---------------|--|--|--|-----------------------|--------------------------------|--------------------------------------|--|--|-----------------------|--------------------------------|-------------------------------------|
| | | Differences Between Expected and Actual Experience | Net Difference Between Projected and Actual Investment Earnings on OPEB Plan Investments | Change of Assumptions | Changes in Proportionate Share | Total Deferred Outflows of Resources | Differences Between Expected and Actual Experience | Net Difference Between Projected and Actual Investment Earnings on OPEB Plan Investments | Change of Assumptions | Changes in Proportionate Share | Total Deferred Inflows of Resources |
| 55905 | Goochland-Powhatan Community Services Board | 9 | — | — | 6 | 15 | 3 | 6 | 8 | 5 | 22 |
| 55906 | Suffolk Redevelopment and Housing Authority | 5 | — | — | 5 | 10 | 2 | 3 | 4 | 11 | 20 |
| 55908 | Lee County Redevelopment and Housing Authority | 1 | — | — | — | 1 | — | 1 | 1 | — | 2 |
| 55909 | Henry County Public Service Authority | 9 | — | — | — | 9 | 3 | 6 | 8 | — | 17 |
| 55910 | Southside Planning District Commission | 2 | — | — | — | 2 | 1 | 1 | 2 | — | 4 |
| 55911 | Industrial Development Authority | 3 | — | — | 4 | 7 | 1 | 2 | 3 | — | 6 |
| 55912 | Augusta County Service Authority | 21 | — | — | 9 | 30 | 8 | 14 | 18 | — | 40 |
| 55914 | Rappahannock Juvenile Detention Commission | 13 | — | — | 3 | 16 | 5 | 9 | 11 | — | 25 |
| 55915 | Cumberland Plateau Regional Housing Authority | 2 | — | — | — | 2 | 1 | 1 | 2 | — | 4 |
| 55917 | Bedford County Public Service Authority | — | — | — | — | — | — | — | — | — | — |
| 55918 | Amherst County Service Authority | 4 | — | — | 4 | 8 | 1 | 3 | 3 | 5 | 12 |
| 55919 | Pepper's Ferry Regional Wastewater Treatment Authority | 4 | — | — | — | 4 | 1 | 3 | 3 | 14 | 21 |
| 55920 | Rappahannock Regional Jail Authority | 54 | — | — | — | 54 | 21 | 36 | 46 | 94 | 197 |
| 55921 | Thomas Jefferson Planning District Commission | 2 | — | — | 6 | 8 | 1 | 2 | 2 | — | 5 |
| 55922 | Piedmont Regional Jail | 19 | — | — | 25 | 44 | 7 | 13 | 16 | — | 36 |
| 55923 | Nelson County Services Authority | 4 | — | — | — | 4 | 2 | 2 | 3 | — | 7 |
| 55924 | Coeburn-Norton-Wise Regional Water | 2 | — | — | — | 2 | 1 | 1 | 2 | — | 4 |

Virginia Retirement System
VRS Group Life Insurance Plan
Schedule of Deferred Outflows and Deferred Inflows of Resources by Employer - continued
As of the Measurement Date of June 30, 2018

(Dollars in Thousands)

| Employer Code | Employer | Deferred Outflows of Resources | | | | | Deferred Inflows of Resources | | | | |
|---------------|---|--|--|-----------------------|--------------------------------|--------------------------------------|--|--|-----------------------|--------------------------------|-------------------------------------|
| | | Differences Between Expected and Actual Experience | Net Difference Between Projected and Actual Investment Earnings on OPEB Plan Investments | Change of Assumptions | Changes in Proportionate Share | Total Deferred Outflows of Resources | Differences Between Expected and Actual Experience | Net Difference Between Projected and Actual Investment Earnings on OPEB Plan Investments | Change of Assumptions | Changes in Proportionate Share | Total Deferred Inflows of Resources |
| 55925 | Fauquier County Water & Sanitation Authority | 12 | — | — | 11 | 23 | 4 | 8 | 10 | 3 | 25 |
| 55926 | Scott County Soil & Water Conservation District | — | — | — | — | — | 1 | — | — | — | 1 |
| 55927 | New River Resource Authority | 4 | — | — | — | 4 | 2 | 3 | 3 | — | 8 |
| 55928 | Scott County Water & Sewage Authority | 3 | — | — | — | 3 | 1 | 2 | 3 | — | 6 |
| 55929 | Greensville County Water & Sewer Authority | 4 | — | — | — | 4 | 1 | 3 | 4 | 5 | 13 |
| 55930 | Petersburg Redevelopment & Housing Authority | 5 | — | — | — | 5 | 2 | 3 | 4 | 4 | 13 |
| 55931 | Central Rappahannock Regional Library | 17 | — | — | 12 | 29 | 6 | 11 | 15 | 9 | 41 |
| 55932 | Virginia Coalfield Economic Development Authority | 1 | — | — | — | 1 | — | 1 | 1 | — | 2 |
| 55933 | Central Virginia Regional Jail | 23 | — | — | 56 | 79 | 9 | 15 | 20 | — | 44 |
| 55934 | Thomas Jefferson Soil & Water Conservation District | 2 | — | — | — | 2 | 1 | 1 | 1 | — | 3 |
| 55936 | Piedmont Planning District Commission | — | — | — | — | — | — | — | — | — | — |
| 55937 | Wythe-Grayson Regional Library | 1 | — | — | 3 | 4 | — | 1 | 1 | — | 2 |
| 55938 | Colonial Soil & Water Conservation District | 1 | — | — | 5 | 6 | — | — | 1 | — | 1 |
| 55939 | Rivanna Solid Waste Authority | 2 | — | — | — | 2 | 1 | 1 | 1 | — | 3 |
| 55940 | Monacan Soil & Water Conservation District | 1 | — | — | — | 1 | — | — | 1 | — | 1 |
| 55941 | Robert E. Lee Soil & Water Conservation District | — | — | — | — | — | — | — | — | — | — |

Virginia Retirement System
VRS Group Life Insurance Plan
Schedule of Deferred Outflows and Deferred Inflows of Resources by Employer - continued
As of the Measurement Date of June 30, 2018

(Dollars in Thousands)

| Employer Code | Employer | Deferred Outflows of Resources | | | | | Deferred Inflows of Resources | | | | |
|---------------|---|--|--|-----------------------|--------------------------------|--------------------------------------|--|--|-----------------------|--------------------------------|-------------------------------------|
| | | Differences Between Expected and Actual Experience | Net Difference Between Projected and Actual Investment Earnings on OPEB Plan Investments | Change of Assumptions | Changes in Proportionate Share | Total Deferred Outflows of Resources | Differences Between Expected and Actual Experience | Net Difference Between Projected and Actual Investment Earnings on OPEB Plan Investments | Change of Assumptions | Changes in Proportionate Share | Total Deferred Inflows of Resources |
| 55942 | Virginia Soil & Water Conservation | 1 | — | — | — | 1 | — | — | 1 | — | 1 |
| 55944 | Central Virginia Waste Management Authority | 2 | — | — | — | 2 | 1 | 1 | 2 | — | 4 |
| 55945 | Lonesome Pine Regional Library | 3 | — | — | — | 3 | 1 | 2 | 3 | 6 | 12 |
| 55946 | Virginia Peninsulas Public Service Authority | 6 | — | — | — | 6 | 2 | 4 | 5 | 3 | 14 |
| 55947 | Tidewater Regional Group Home Commission | 9 | — | — | 5 | 14 | 3 | 6 | 8 | 13 | 30 |
| 55948 | Virginia Highlands Airport Commission | 1 | — | — | — | 1 | — | 1 | 1 | — | 2 |
| 55949 | Western Tidewater Regional Jail | 29 | — | — | 12 | 41 | 11 | 19 | 24 | — | 54 |
| 55950 | Scott County Redevelopment & Housing Authority | 1 | — | — | — | 1 | — | 1 | 1 | 5 | 7 |
| 55951 | Handley Regional Library | 2 | — | — | — | 2 | 1 | 2 | 2 | — | 5 |
| 55952 | Northern Neck Regional Jail | 13 | — | — | — | 13 | 5 | 9 | 11 | 3 | 28 |
| 55953 | Montgomery Regional Solid Waste Authority | 3 | — | — | — | 3 | 1 | 2 | 2 | — | 5 |
| 55954 | Potomac & Rappahannock Transportation Comm | 35 | — | — | 42 | 77 | 12 | 23 | 30 | — | 65 |
| 55955 | Giles County Public Service Authority | 2 | — | — | — | 2 | 1 | 1 | 1 | 9 | 12 |
| 55956 | South Central Wastewater Authority | 7 | — | — | 5 | 12 | 2 | 5 | 6 | — | 13 |
| 55957 | Wise County Redevelopment and Housing Authority | 3 | — | — | — | 3 | 1 | 2 | 2 | — | 5 |
| 55958 | Prince William Soil & Water Conservation District | 1 | — | — | — | 1 | — | — | 1 | — | 1 |
| 55959 | Hampton Roads Regional Jail Authority | 46 | — | — | — | 46 | 17 | 31 | 39 | 50 | 137 |

Virginia Retirement System
VRS Group Life Insurance Plan
Schedule of Deferred Outflows and Deferred Inflows of Resources by Employer - continued
As of the Measurement Date of June 30, 2018

(Dollars in Thousands)

| Employer Code | Employer | Deferred Outflows of Resources | | | | | Deferred Inflows of Resources | | | | |
|---------------|--|--|--|-----------------------|--------------------------------|--------------------------------------|--|--|-----------------------|--------------------------------|-------------------------------------|
| | | Differences Between Expected and Actual Experience | Net Difference Between Projected and Actual Investment Earnings on OPEB Plan Investments | Change of Assumptions | Changes in Proportionate Share | Total Deferred Outflows of Resources | Differences Between Expected and Actual Experience | Net Difference Between Projected and Actual Investment Earnings on OPEB Plan Investments | Change of Assumptions | Changes in Proportionate Share | Total Deferred Inflows of Resources |
| 55960 | Russell County Water & Sewage Authority | 1 | — | — | 2 | 3 | — | 1 | 1 | 8 | 10 |
| 55961 | Pamunkey Regional Jail | 23 | — | — | — | 23 | 9 | 15 | 19 | 16 | 59 |
| 55962 | Charlottesville - Albemarle Airport Authority | 7 | — | — | 7 | 14 | 3 | 5 | 6 | — | 14 |
| 55963 | Virginia Peninsula Regional Jail | 20 | — | — | — | 20 | 7 | 13 | 17 | 19 | 56 |
| 55964 | Virginia Biotechnology Research Park Authority | 2 | — | — | 2 | 4 | 1 | 1 | 2 | — | 4 |
| 55965 | Peumansend Creek Regional Jail | — | — | — | — | — | — | — | — | 354 | 354 |
| 55966 | Blue Ridge Regional Jail Authority | 58 | — | — | — | 58 | 22 | 38 | 49 | 68 | 177 |
| 55967 | Rockingham Regional Library | 3 | — | — | 4 | 7 | 1 | 2 | 2 | — | 5 |
| 55968 | Albemarle-Charlottesville Regional Jail | 30 | — | — | 8 | 38 | 11 | 20 | 26 | 3 | 60 |
| 55969 | Culpeper Soil & Water Conservation District | 2 | — | — | 6 | 8 | 1 | 1 | 2 | — | 4 |
| 55970 | New River Valley Regional Jail | 35 | — | — | — | 35 | 13 | 23 | 30 | 10 | 76 |
| 55971 | Sussex Service Authority | 4 | — | — | — | 4 | 2 | 2 | 3 | — | 7 |
| 55972 | Big Water Soil & Water Conservation District | — | — | — | — | — | — | — | — | — | — |
| 55973 | Peter Francisco Soil & Water Conservation District | — | — | — | — | — | — | — | — | — | — |
| 55974 | Peaks of Otter Soil & Water Conservation District | — | — | — | — | — | — | — | — | 3 | 3 |
| 55975 | New River Soil & Water Conservation District | — | — | — | — | — | 1 | — | — | — | 1 |
| 55977 | Southside Regional Jail | 7 | — | — | — | 7 | 3 | 5 | 6 | 7 | 21 |

Virginia Retirement System
VRS Group Life Insurance Plan
Schedule of Deferred Outflows and Deferred Inflows of Resources by Employer - continued
As of the Measurement Date of June 30, 2018

(Dollars in Thousands)

| Employer Code | Employer | Deferred Outflows of Resources | | | | | Deferred Inflows of Resources | | | | |
|---------------|--|--|--|-----------------------|--------------------------------|--------------------------------------|--|--|-----------------------|--------------------------------|-------------------------------------|
| | | Differences Between Expected and Actual Experience | Net Difference Between Projected and Actual Investment Earnings on OPEB Plan Investments | Change of Assumptions | Changes in Proportionate Share | Total Deferred Outflows of Resources | Differences Between Expected and Actual Experience | Net Difference Between Projected and Actual Investment Earnings on OPEB Plan Investments | Change of Assumptions | Changes in Proportionate Share | Total Deferred Inflows of Resources |
| 55978 | Evergreen Soil & Water Conservation District | — | — | — | — | — | 1 | — | — | — | 1 |
| 55979 | Roanoke Higher Education Authority | 3 | — | — | — | 3 | 1 | 2 | 3 | — | 6 |
| 55981 | John Marshall Soil & Water Conservation District | 1 | — | — | — | 1 | — | 1 | 1 | — | 2 |
| 55982 | Daniel Boone Soil & Water Conservation District | 1 | — | — | — | 1 | 1 | — | — | — | 1 |
| 55983 | Southside Community Services Board | 27 | — | — | 7 | 34 | 9 | 18 | 23 | 18 | 68 |
| 55984 | Northern Shenandoah Valley Regional Commission | 2 | — | — | — | 2 | 1 | 1 | 2 | — | 4 |
| 55985 | Tazewell Soil & Water Conservation District | — | — | — | — | — | 1 | — | — | — | 1 |
| 55987 | Richmond Regional Planning District Commission | — | — | — | — | — | — | — | — | — | — |
| 55988 | Henricopolis Soil & Water Conservation District | — | — | — | — | — | 1 | — | — | — | 1 |
| 55989 | Piedmont Regional Juvenile Detention Center | 2 | — | — | 3 | 5 | 1 | 2 | 2 | — | 5 |
| 55990 | Roanoke River Service Authority | 1 | — | — | — | 1 | — | 1 | 1 | — | 2 |
| 55991 | Lee County Public Service Authority | 2 | — | — | — | 2 | — | 2 | 2 | — | 4 |
| 55992 | Blue Ridge Juvenile Detention Center | 8 | — | — | 11 | 19 | 3 | 5 | 7 | — | 15 |
| 55993 | Ferrum Water & Sewage Authority | — | — | — | — | — | — | — | — | — | — |
| 55994 | Wise County Public Service Authority | 4 | — | — | 2 | 6 | 1 | 3 | 3 | — | 7 |
| 55995 | Holston River Soil & Water Conservation District | — | — | — | — | — | — | — | — | — | — |

Virginia Retirement System
VRS Group Life Insurance Plan
Schedule of Deferred Outflows and Deferred Inflows of Resources by Employer - continued
As of the Measurement Date of June 30, 2018

(Dollars in Thousands)

| Employer Code | Employer | Deferred Outflows of Resources | | | | | Deferred Inflows of Resources | | | | |
|---------------|--|--|--|-----------------------|--------------------------------|--------------------------------------|--|--|-----------------------|--------------------------------|-------------------------------------|
| | | Differences Between Expected and Actual Experience | Net Difference Between Projected and Actual Investment Earnings on OPEB Plan Investments | Change of Assumptions | Changes in Proportionate Share | Total Deferred Outflows of Resources | Differences Between Expected and Actual Experience | Net Difference Between Projected and Actual Investment Earnings on OPEB Plan Investments | Change of Assumptions | Changes in Proportionate Share | Total Deferred Inflows of Resources |
| 55996 | New River Valley Community Services Board | — | — | — | — | — | — | — | — | — | — |
| 55997 | Institute for Advanced Learning and Research | — | — | — | — | — | — | — | — | — | — |
| 55998 | Southwest Virginia Regional Jail Authority | 60 | — | — | — | 60 | 22 | 40 | 51 | 46 | 159 |
| 55999 | Clinch Valley Soil & Water Conservation District | — | — | — | — | — | 1 | — | — | — | 1 |
| 59212 | City of Norfolk - Insurance Only Employees | 749 | — | — | — | 749 | 275 | 498 | 638 | 387 | 1,798 |
| 59214 | City of Portsmouth - Insurance Only Employees | 9 | — | — | — | 9 | 4 | 6 | 8 | 119 | 137 |
| 59216 | City of Richmond - Insurance Only Employees | 696 | — | — | — | 696 | 256 | 463 | 593 | 1,002 | 2,314 |
| 59217 | City of Roanoke - Insurance Only Employees | 282 | — | — | — | 282 | 104 | 188 | 240 | 189 | 721 |
| 59617 | Roanoke City Schools - Insurance Only Employees | 7 | — | — | — | 7 | 2 | 5 | 6 | 68 | 81 |
| | Sub-total Political Subdivision | 19,879 | — | — | 8,584 | 28,463 | 7,297 | 13,220 | 16,939 | 7,827 | 45,283 |
| | Total for VRS Group Life Insurance | 74,251 | — | — | 29,978 | 104,229 | 27,225 | 49,407 | 63,292 | 29,978 | 169,902 |

The accompanying notes are an integral part of the Schedule of Deferred Outflows and Deferred Inflows of Resources by Employee

**Virginia Retirement System
VRS Group Life Insurance Plan
Notes to GASB No. 75 Schedules
For the Plan Year Ended June 30, 2018**

Note 1. Summary of Significant Accounting Policies

Description of the Entity

The Virginia Retirement System (the System) is an independent agency of the Commonwealth of Virginia. The System administers four separate pension trust funds – the Virginia Retirement System (VRS), the State Police Officers’ Retirement System (SPORS), the Virginia Law Officers’ Retirement System (VaLORS), and the Judicial Retirement System (JRS) as well as several Other Post-Employment Benefit trust funds – the Group Life Insurance Program, the Retiree Health Insurance Credit Program, the Disability Insurance Program for state employees, the Line of Duty Act Program and the Virginia Local Disability Program for participating schools systems and local governments.

Administration and Management

The Board of Trustees (the Board) is responsible for the general administration and operation of the pension plans and the other employee benefit plans. The Board has full power to invest and reinvest the trust funds of the System through the adoption of investment policies and guidelines that fulfill the Board’s investment objective to maximize long-term investment returns while targeting an acceptable level of risk.

The Board consists of nine members. Five members are appointed by the Governor and four members are appointed by the Joint Rules Committee of the General Assembly, subject to confirmation by the General Assembly. The Board appoints a Director to serve as the Chief Administrative Officer of the System and a Chief Investment Officer to direct, manage, and administer the investment of the System’s funds.

The System issues a *Comprehensive Annual Financial Report* (CAFR) containing the financial statements and required supplementary information for all of the System’s pension and other employee benefit trust funds. The CAFR is publicly available through the About VRS link on the VRS website at www.varetire.org, or a copy may be obtained by submitting a request to the VRS Chief Financial Officer, PO Box 2500, Richmond, VA 23218-2500. The pension and other employee benefit trust funds administered by the VRS are classified as fiduciary funds and are included in the basic financial statements of the Commonwealth of Virginia.

Other Post-Employment Benefits – Group Life Insurance

The Virginia Retirement System (VRS) Group Life Insurance Program is a multiple employer, cost-sharing plan. It provides coverage to state employees, teachers, and employees of participating political subdivisions. The Group Life Insurance Program was established pursuant to §51.1-500 et seq. of the *Code of Virginia*, as amended, and which provides the authority under which benefit terms are established or may be amended. The Group Life Insurance Program is a defined benefit plan that provides a basic group life insurance benefit for employees of participating employers. For purposes of measuring the net GLI OPEB liability, deferred

outflows of resources and deferred inflows of resources related to the GLI OPEB, and GLI OPEB expense, information about the fiduciary net position of the Virginia Retirement System (VRS) Group Life Insurance Plan and the additions to/deductions from the VRS Group Life Insurance Plan's net fiduciary position have been determined on the same basis as they were reported by VRS. For this purpose, benefit payments are recognized when due and payable in accordance with the benefit terms. Investments are reported at fair value.

Note 2. General Information about the GLI OPEB Plan

Plan Description

All full-time, salaried permanent employees of state agencies, teachers and participating political subdivisions are automatically covered by the VRS Group Life Insurance Program upon employment. This plan is administered by the Virginia Retirement System (the System), along with pensions and other OPEB plans, for public employer groups in the Commonwealth of Virginia.

In addition to the Basic Group Life Insurance benefit, members are also eligible to elect additional coverage for themselves as well as a spouse or dependent children through the Optional Group Life Insurance Program. For members who elect the optional group life insurance coverage, the insurer bills employers directly for the premiums. Employers deduct these premiums from members' paychecks and pay the premiums to the insurer. Since this is a separate and fully insured program, it is not included as part of the Group Life Insurance Program OPEB.

The specific information for the Group Life Insurance Program OPEB, including eligibility, coverage and benefits is set out in the table below:

GROUP LIFE INSURANCE PROGRAM PLAN PROVISIONS

Eligible Employees

The Group Life Insurance Program was established July 1, 1960, for state employees, teachers and employees of political subdivisions that elect the program, including the following employers that do not participate in VRS for retirement:

- City of Richmond
- City of Portsmouth
- City of Roanoke
- City of Norfolk
- Roanoke City Schools Board

Basic group life insurance coverage is automatic upon employment. Coverage end for employees who leave their position before retirement eligibility or who take a refund of their accumulated retirement member contributions and accrued interest.

Benefit Amounts

The benefits payable under the Group Life Insurance Program have several components.

- **Natural Death Benefit:** The natural death benefit is equal to the employee's covered compensation rounded to the next highest thousand and then doubled.
- **Accidental Death Benefit:** The accidental death benefit is double the natural death benefit.
- **Other Benefit Provisions:** In addition to the basic natural and accidental death benefits, the program provides additional benefits provided under specific circumstances. These include:
 - Accidental dismemberment benefit
 - Safety belt benefit
 - Repatriation benefit
 - Felonious assault benefit
 - Accelerated death benefit option

Reduction in Benefit Amounts

The benefit amounts provided to retired members covered under the Group Life Insurance Program are subject to a reduction factor. The benefit amount reduces by 25% on January 1 following one calendar year of separation. The benefit amount reduces by an additional 25% on each subsequent January 1 until it reaches 25% of its original value.

Minimum Benefit Amount and Cost-of-Living Adjustment (COLA)

For covered members with at least 30 years of creditable service, there is a minimum benefit payable under the Group Life Insurance Program. The minimum benefit was set at \$8,000 by statute. This amount is increased annually based on the VRS Plan 2 cost-of-living adjustment and was increased to \$8,279 effective July 1, 2018.

Contributions

The contribution requirements for the Group Life Insurance Program are governed by §51.1-506 and §51.1-508 of the *Code of Virginia*, as amended, but may be impacted as a result of funding provided to state agencies and school divisions by the Virginia General Assembly. The total rate for the Group Life Insurance Program was 1.31% of covered employee compensation. This was allocated into an employee and an employer component using a 60/40 split. The employee component was 0.79% (1.31% X 60%) and the employer component was 0.52% (1.31% X 40%). Employers may elect to pay all or part of the employee contribution, however the employer must pay all of the employer contribution. Each employer's contractually required employer contribution rate for the year ended June 30, 2018, was 0.52% of covered employee compensation. This rate was based on an actuarially determined rate from an actuarial valuation as of June 30, 2015. The

actuarially determined rate, when combined with employee contributions, was expected to finance the costs of benefits payable during the year, with an additional amount to finance any unfunded accrued liability.

Actuarial Assumptions

The total GLI OPEB liability was based on an actuarial valuation as of June 30, 2017, using the Entry Age Normal actuarial cost method. The following assumptions, which applied to all periods included in the measurement, were used to roll the valuation forward to the measurement date of June 30, 2018.

| | |
|---|--|
| Inflation | 2.5 percent |
| Salary increases, including inflation – | |
| General state employees | 3.5 percent – 5.35 percent |
| Teachers | 3.5 percent – 5.95 percent |
| SPORS employees | 3.5 percent – 4.75 percent |
| VaLORS employees | 3.5 percent – 4.75 percent |
| JRS employees | 4.5 percent |
| Locality – General employees | 3.5 percent – 5.35 percent |
| Locality – Hazardous Duty employees | 3.5 percent – 4.75 percent |
| Investment rate of return | 7.0 Percent, net of plan investment expenses, including inflation* |

* Administrative expenses as a percent of the market value of assets for the last experience study were found to be approximately 0.06% of assets for all of the VRS plans. This would provide an assumed investment return rate for GASB purposes of slightly more than the assumed 7.0%. However, since the difference was minimal, and a more conservative 7.0% investment return assumption provided a projected plan net position that exceeded the projected benefit payments, the long-term expected rate of return on investments was assumed to be 7.0% to simplify preparation of the liabilities.

Mortality rates – General State Employees

Pre-Retirement:

RP-2014 Employee Rates to age 80, Healthy Annuitant Rates to 81 and older projected with Scale BB to 2020; males set back 1 year, 85% of rates; females set back 1 year.

Post-Retirement:

RP-2014 Employee Rates to age 49, Healthy Annuitant Rates at ages 50 and older projected with Scale BB to 2020; males set forward 1 year; females set back 1 year with 1.5% increase compounded from ages 70 to 85.

Post-Disablement:

RP-2014 Disability Life Mortality Table projected with scale BB to 2020; males 115% of rates; females 130% of rates.

The actuarial assumptions used in the June 30, 2017, valuation were based on the results of an actuarial experience study for the period from July 1, 2012, through June 30, 2016. Changes to the actuarial assumptions as a result of the experience study are as follows:

| | |
|---|---|
| Mortality Rates (Pre-retirement, post-retirement healthy, and disabled) | Updated to a more current mortality table – RP-2014 projected to 2020 |
| Retirement Rates | Lowered rates at older ages and changed final retirement from 70 to 75 |
| Withdrawal Rates | Adjusted rates to better fit experience at each year age and service through 9 years of service |
| Disability Rates | Adjusted rates to better match experience |
| Salary Scale | No change |
| Line of Duty Disability | Increased rate from 14% to 25% |

Mortality rates – Teachers

Pre-Retirement:

RP-2014 White Collar Employee Rates to age 80, White Collar Healthy Annuitant Rates at ages 81 and older projected with scale BB to 2020.

Post-Retirement:

RP-2014 White Collar Employee Rates to age 49, White Collar Health Annuitant Rates at ages 50 and older projected with scale BB to 2020; males 1% increase compounded from ages 70 to 90; females set back 3 years with 1.5% increase compounded from ages 65 to 70 and 2.0% increase compounded from ages 75 to 90.

Post-Disablement:

RP-2014 Disability Mortality Rates projected with Scale BB to 2020; 115% of rates for males and females.

The actuarial assumptions used in the June 30, 2017, valuation were based on the results of an actuarial experience study for the four-year period from July 1, 2012, through June 30, 2016. Changes to the actuarial assumptions as a result of the experience study are as follows:

| | |
|---|---|
| Mortality Rates (Pre-retirement, post-retirement healthy, and disabled) | Updated to a more current mortality table – RP-2014 projected to 2020 |
| Retirement Rates | Lowered rates at older ages and changed final retirement from 70 to 75 |
| Withdrawal Rates | Adjusted rates to better fit experience at each year age and service through 9 years of service |
| Disability Rates | Adjusted rates to better match experience |
| Salary Scale | No change |

Mortality rates – SPORS Employees

Pre-Retirement:

RP-2014 Employee Rates to age 80, Healthy Annuitant Rates to 81 and older projected with Scale BB to 2020; males 90% of rates; females set forward 1 year.

Post-Retirement:

RP-2014 Employee Rates to age 49, Healthy Annuitant Rates at ages 50 and older projected with Scale BB to 2020; males set forward 1 year with 1.0% increase compounded from ages 70 to 90; females set forward 3 years.

Post-Disablement:

RP-2014 Disability Life Mortality Table projected with scale BB to 2020; males set forward 2 years; unisex using 100% male.

The actuarial assumptions used in the June 30, 2017, valuation were based on the results of an actuarial experience study for the period from July 1, 2012, through June 30, 2016. Changes to the actuarial assumptions as a result of the experience study are as follows:

| | |
|---|---|
| Mortality Rates (Pre-retirement, post-retirement healthy, and disabled) | Updated to a more current mortality table – RP-2014 projected to 2020 and reduced margin for future improvement in accordance with experience |
| Retirement Rates | Increased age 50 rates and lowered rates at older ages |
| Withdrawal Rates | Adjusted rates to better fit experience |
| Disability Rates | Adjusted rates to better match experience |
| Salary Scale | No change |
| Line of Duty Disability | Increased rate from 60% to 85% |

Mortality rates – VaLORS Employees

Pre-Retirement:

RP-2014 Employee Rates to age 80, Healthy Annuitant Rates to 81 and older projected with Scale BB to 2020; males 90% of rates; females set forward 1 year.

Post-Retirement:

RP-2014 Employee Rates to age 49, Healthy Annuitant Rates at ages 50 and older projected with Scale BB to 2020; males set forward 1 year with 1.0% increase compounded from ages 70 to 90; females set forward 3 years.

Post-Disablement:

RP-2014 Disability Life Mortality Table projected with scale BB to 2020; males set forward 2 years; unisex using 100% male.

The actuarial assumptions used in the June 30, 2017, valuation were based on the results of an actuarial experience study for the period from July 1, 2012, through June 30, 2016. Changes to the actuarial assumptions as a result of the experience study are as follows:

| | |
|---|---|
| Mortality Rates (Pre-retirement, post-retirement healthy, and disabled) | Updated to a more current mortality table – RP-2014 projected to 2020 and reduced margin for future improvement in accordance with experience |
| Retirement Rates | Increased age 50 rates and lowered rates at older ages |
| Withdrawal Rates | Adjusted rates to better fit experience at each year age and service through 9 years of service |
| Disability Rates | Adjusted rates to better match experience |
| Salary Scale | No change |
| Line of Duty Disability | Decreased rate from 50% to 35% |

Mortality rates – JRS Employees

Pre-Retirement:

RP-2014 Employee Rates to age 80, Healthy Annuitant Rates at ages 81 and older projected with scale BB to 2020; males set back 1 year, 85% of rates; females set back 1 year.

Post-Retirement:

RP-2014 Employee Rates to age 49, Healthy Annuitant Rates at ages 50 and older projected with scale BB to 2020; males set forward 1 year; females set back 1 year with 1.5% compounding increase from ages 70 to 85.

Post-Disablement:

RP-2014 Disability Mortality Rates projected with Scale BB to 2020; males 115% of rates; females 130% of rates.

The actuarial assumptions used in the June 30, 2017, valuation were based on the results of an actuarial experience study for the four-year period from July 1, 2012, through June 30, 2016. Changes to the actuarial assumptions as a result of the experience study are as follows:

| | |
|---|---|
| Mortality Rates (Pre-retirement, post-retirement healthy, and disabled) | Updated to a more current mortality table – RP-2014 projected to 2020 |
| Retirement Rates | Decreased rates at first retirement eligibility |
| Withdrawal Rates | No change |
| Disability Rates | Removed disability rates |
| Salary Scale | No change |

Mortality rates – Largest Ten Locality Employers – General Employees

Pre-Retirement:

RP-2014 Employee Rates to age 80, Healthy Annuitant Rates to 81 and older projected with Scale BB to 2020; males 95% of rates; females 105% of rates.

Post-Retirement:

RP-2014 Employee Rates to age 49, Healthy Annuitant Rates at ages 50 and older projected with Scale BB to 2020; males set forward 3 years; females 1.0% increase compounded from ages 70 to 90.

Post-Disablement:

RP-2014 Disability Life Mortality Table projected with scale BB to 2020; males set forward 2 years, 110% of rates; females 125% of rates

The actuarial assumptions used in the June 30, 2017, valuation were based on the results of an actuarial experience study for the period from July 1, 2012, through June 30, 2016. Changes to the actuarial assumptions as a result of the experience study are as follows:

| | |
|---|--|
| Mortality Rates (Pre-retirement, post-retirement healthy, and disabled) | Updated to a more current mortality table – RP-2014 projected to 2020 |
| Retirement Rates | Lowered retirement rates at older ages and extended final retirement age from 70 to 75 |
| Withdrawal Rates | Adjusted termination rates to better fit experience at each age and service year |
| Disability Rates | Lowered disability rates |
| Salary Scale | No change |
| Line of Duty Disability | Increased rate from 14% to 20% |

Mortality rates – Non-Largest Ten Locality Employers - General Employees

Pre-Retirement:

RP-2014 Employee Rates to age 80, Healthy Annuitant Rates to 81 and older projected with Scale BB to 2020; males 95% of rates; females 105% of rates.

Post-Retirement:

RP-2014 Employee Rates to age 49, Healthy Annuitant Rates at ages 50 and older projected with Scale BB to 2020; males set forward 3 years; females 1.0% increase compounded from ages 70 to 90.

Post-Disablement:

RP-2014 Disability Life Mortality Table projected with scale BB to 2020; males set forward 2 years, 110% of rates; females 125% of rates.

The actuarial assumptions used in the June 30, 2017, valuation were based on the results of an actuarial experience study for the period from July 1, 2012, through June 30, 2016. Changes to the actuarial assumptions as a result of the experience study are as follows:

| | |
|---|---|
| Mortality Rates (Pre-retirement, post-retirement healthy, and disabled) | Updated to a more current mortality table – RP-2014 projected to 2020 |
| Retirement Rates | Lowered retirement rates at older ages and extended final retirement age from 70 to 75. |
| Withdrawal Rates | Adjusted termination rates to better fit experience at each age and service year |
| Disability Rates | Lowered disability rates |
| Salary Scale | No change |
| Line of Duty Disability | Increased rate from 14% to 15% |

Mortality rates – Largest Ten Locality Employers – Hazardous Duty Employees

Pre-Retirement:

RP-2014 Employee Rates to age 80, Healthy Annuitant Rates to 81 and older projected with Scale BB to 2020; males 90% of rates; females set forward 1 year.

Post-Retirement:

RP-2014 Employee Rates to age 49, Healthy Annuitant Rates at ages 50 and older projected with Scale BB to 2020; males set forward 1 year with 1.0% increase compounded from ages 70 to 90; females set forward 3 years.

Post-Disablement:

RP-2014 Disability Life Mortality Table projected with scale BB to 2020; males set forward 2 years; unisex using 100% male.

The actuarial assumptions used in the June 30, 2017, valuation were based on the results of an actuarial experience study for the period from July 1, 2012, through June 30, 2016. Changes to the actuarial assumptions as a result of the experience study are as follows:

| | |
|---|--|
| Mortality Rates (Pre-retirement, post-retirement healthy, and disabled) | Updated to a more current mortality table – RP-2014 projected to 2020 |
| Retirement Rates | Lowered retirement rates at older ages |
| Withdrawal Rates | Adjusted termination rates to better fit experience at each age and service year |
| Disability Rates | Increased disability rates |
| Salary Scale | No change |
| Line of Duty Disability | Increased rate from 60% to 70% |

Mortality rates – Non-Largest Ten Locality Employers – Hazardous Duty Employees

Pre-Retirement:

RP-2014 Employee Rates to age 80, Healthy Annuitant Rates to 81 and older projected with Scale BB to 2020; males 90% of rates; females set forward 1 year.

Post-Retirement:

RP-2014 Employee Rates to age 49, Healthy Annuitant Rates at ages 50 and older projected with Scale BB to 2020; males set forward 1 year with 1.0% increase compounded from ages 70 to 90; females set forward 3 years.

Post-Disablement:

RP-2014 Disability Life Mortality Table projected with scale BB to 2020; males set forward 2 years; unisex using 100% male.

The actuarial assumptions used in the June 30, 2017, valuation were based on the results of an actuarial experience study for the period from July 1, 2012, through June 30, 2016. Changes to the actuarial assumptions as a result of the experience study are as follows:

| | |
|---|--|
| Mortality Rates (Pre-retirement, post-retirement healthy, and disabled) | Updated to a more current mortality table – RP-2014 projected to 2020 |
| Retirement Rates | Increased age 50 rates and lowered rates at older ages |
| Withdrawal Rates | Adjusted termination rates to better fit experience at each age and service year |
| Disability Rates | Adjusted rates to better match experience |
| Salary Scale | No change |
| Line of Duty Disability | Decreased rate from 60% to 45% |

Note 3. Net Group Life Insurance OPEB Liability

The net Group Life Insurance OPEB liability (NOL) represents the System’s total Group Life Insurance OPEB liability determined in accordance with GASB Statement No. 74, the System’s fiduciary net position for the plan. As of the measurement date of June 30, 2018, NOL amounts for the VRS Group Life Insurance Program are as follows (amounts expressed in thousands):

| | |
|--------------------------------|---------------------|
| Total GLI OPEB Liability | \$ 3,113,508 |
| Plan Fiduciary Net Position | 1,594,773 |
| GLI Net OPEB Liability (Asset) | <u>\$ 1,518,735</u> |

Plan Fiduciary Net Position as a Percentage of the Total GLI OPEB Liability 51.22%

The total GLI OPEB liability is calculated by the System’s actuary, and each plan’s fiduciary net position is reported in the System’s financial statements. The net GLI OPEB liability is disclosed in accordance with the requirements of GASB Statement No. 74 in the System’s notes to the financial statements and required supplementary information.

Discount Rate

The discount rate used to measure the total GLI OPEB liability was 7.00%. The projection of cash flows used to determine the discount rate assumed that employer contributions will be made in accordance with the VRS funding policy and at rates equal to the actuarially determined contribution rates adopted by the VRS Board of Trustees. Through the fiscal year ending June 30, 2018, the rate contributed by employers for the VRS GLI OPEB Plan will be subject to the portion of the VRS Board-certified rates that are funded by the Virginia General Assembly, which was 100% of the actuarially determined rate. From July 1, 2018, on, employers are assumed to continue to contribute 100% of the actuarially determined contribution rates. Based on those assumptions, the GLI OPEB plan's fiduciary net position was projected to be available to make all projected future benefit payments of current active and inactive employees. Therefore the long-term expected rate of return was applied to all periods of projected benefit payments to determine the total GLI OPEB liability.

Long-Term Expected Rate of Return

The long-term expected rate of return on System investments was determined using a log-normal distribution analysis in which best-estimate ranges of expected future real rates of return (expected returns, net of System investment expense and inflation) are developed for each major asset class. These ranges are combined to produce the long-term expected rate of return by weighting the expected future real rates of return by the target asset allocation percentage and by adding expected inflation. The target asset allocation and best estimate of arithmetic real rates of return for each major asset class are summarized in the following table:

| Asset Class (Strategy) | Target Allocation | Arithmetic Long-Term Expected Rate of Return | Weighted Average Long-Term Expected Rate of Return |
|-------------------------------|--------------------------|---|---|
| Public Equity | 40.00% | 4.54% | 1.82% |
| Fixed Income | 15.00% | 0.69% | 0.10% |
| Credit Strategies | 15.00% | 3.96% | 0.59% |
| Real Assets | 15.00% | 5.76% | 0.86% |
| Private Equity | 15.00% | 9.53% | 1.43% |
| Total | 100.00% | | 4.80% |
| | | Inflation | 2.50% |
| | | * Expected arithmetic nominal return | 7.30% |

** The above allocation provides a one-year return of 7.30%. However, one-year returns do not take into account the volatility present in each of the asset classes. In setting the long-term expected return for the System, stochastic projections are employed to model future returns under various economic conditions. The results provide a range of returns over various time periods that ultimately provide a median return of 6.83%, including expected inflation of 2.50%.*

Sensitivity Analysis

The following table presents the collective net GLI OPEB liability of the participating employers in the VRS GLI OPEB Plan using the discount rate of 7.00%, as well as what the collective net GLI OPEB liability of the participating employers would be if it were calculated using a discount rate that is one percentage point lower (6.00%) or one percentage point higher (8.00%) than the current rate (amounts expressed in thousands):

| | |
|--|--------------|
| Net GLI OPEB Liability - 1.00% Decrease (6.00%) | \$ 1,984,793 |
| Net GLI OPEB Liability - Current Discount Rate (7.00%) | \$ 1,518,735 |
| Net GLI OPEB Liability - 1.00% Increase (8.00%) | \$ 1,140,332 |

Note 4. Deferred Outflows / (Inflows) of Resources

The following schedule reflects the amortization of the net balance of remaining deferred outflows / (inflows) of resources at June 30, 2018. The average remaining service lives of all employees provided with group life insurance benefits through the VRS GLI OPEB Plan at June 30, 2018, was 6.38 years. Deferred outflows of resources related to the group life insurance benefit resulting from the employer's contributions subsequent to the measurement date will be recognized as a reduction of the Net GLI OPEB Liability in their financial statements for the year ended June 30, 2020. Other amounts reported as deferred outflows of resources and deferred inflows of resources related to the GLI OPEB Plan will be recognized in the group life insurance expense as follows (amounts expressed in thousands):

| | |
|---|-------------|
| Measurement Period Ending June 30, 2019 | \$ (22,430) |
| Measurement Period Ending June 30, 2020 | \$ (22,430) |
| Measurement Period Ending June 30, 2021 | \$ (22,432) |
| Measurement Period Ending June 30, 2022 | \$ (8,275) |
| Measurement Period Ending June 30, 2023 | \$ 4,648 |
| Thereafter | \$ 5,246 |

Note 5. Employer Contributions

Employers' proportionate shares were calculated on the basis of historical employer contributions. Although GASB Statement No. 75 encourages the use of the employer's projected long-term contribution effort to the Other Post-Employment Benefit plan, allocating on the basis of historical employer contributions is considered acceptable. Employer contributions recognized by the VRS GLI OPEB Plan that are not representative of future contribution efforts are excluded in the determination of employers' proportionate shares. Examples of employer contributions not representative of future contribution efforts are contributions for adjustments for prior periods.

The employer contributions used in the determination of employers' proportionate shares of collective Other Post-Employment Benefit amounts reported in the Schedule of Employer Allocations was based on the total employer contributions using the plan's contribution rates and the employer's covered payroll for FY 2018. This total was \$98,876,764. The employer contributions of \$98,530,000 reported in the VRS GLI OPEB Program's Statement of Changes in Net Position (per the System's separately issued financial statements)

reflects the calculated amount less approximately \$346,764 in employer contribution adjustments that were not representative of future contribution efforts.

Note 6. Additional Financial and Actuarial Information

Information contained in the VRS GLI OPEB Program Notes to the Schedule of Employer Allocations and Schedule of GLI OPEB Program Amounts by Employer (Schedules) was extracted from the audited financial statements of the System for the fiscal year ended June 30, 2018. Additional financial information supporting the preparation of the VRS GLI OPEB Program Schedules (including the financial statements and the unmodified audit opinion thereon, and required supplementary information) is presented in the separately issued VRS 2018 *Comprehensive Annual Financial Report* (CAFR). A copy of the 2018 VRS CAFR is publicly available through the About VRS link on the VRS website at www.varetire.org, or a copy may be obtained by submitting a request to the VRS Chief Financial Officer, P.O. Box 2500, Richmond, VA 23218-2500.