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October 28, 2022

The Honorable Glenn Youngkin
Governor of Virginia

The Honorable Barry D. Knight, Chair
House Appropriations Committee

The Honorable Janet D. Howell, and George L. Barker Co-Chairs
Senate Finance & Appropriations Committee

Chapter 2 Items 86, F.1, F.2 and F.3 of the 2022 Virginia Acts of Assembly, Special Session I requires that this Department shall report by October 30 of each year, on its recommended workers' compensation premiums for state agencies for the following biennium.

This report shall also include the basis for the department's recommendations; the status and recommendations of the loss control program authorized in paragraph F. 2; the number and amount of workers' compensation settlements concluded in the previous fiscal year, inclusive of those authorized in paragraph F. 3.a; and the impact of those settlements on the workers' compensation program's reserves.

Respectfully Submitted,

A handwritten signature in blue ink that reads "Janet L. Lawson".

Janet Lawson
Director

c: The Honorable Lyn McDermid
Secretary of Administration



VIRGINIA DEPARTMENT OF HUMAN RESOURCE MANAGEMENT

**Chapter 2, 2022 Virginia Acts of Assembly, Special Session I,
Items 86, F.1, F.2 and F.3a**

Report on

**Recommended Workers' Compensation Premiums for FY 24 - FY 25;
Status and Recommendations of the Loss Control Program;**

and

Number, Amount and Impact on Reserves of Settlements in FY 22

October 28, 2022

Executive Summary

WORKERS' COMPENSATION PREMIUMS – SECTION 1

The Department of Human Resource Management (DHRM) recommends workers' compensation premiums equal to the cash flow needs of the program. Actual FY 2022 and FY 2023 premiums shown for comparison.

<p>Actual <u>FY 2022 Premium</u></p> <p>\$77,121,714</p>	<p>Actual <u>FY 2023 Premium</u></p> <p>\$74,182,847</p>
<p>Actual FY 2022 Premium <u>Plus WCA Repayment</u></p> <p>\$79,432,604</p>	<p>Actual FY 2023 Premium <u>Plus WCA Repayment</u></p> <p>\$77,050,309</p>
<p><u>Recommended FY 2024 Premium</u></p> <p>\$63,716,657</p>	<p><u>Recommended FY 2025 Premium</u></p> <p>\$63,885,371</p>
<p><u>Recommended FY 2024 Premium Plus WCA Repayment</u></p> <p>\$66,846,118</p>	<p><u>Recommended FY 2025 Premium Plus WCA Repayment</u></p> <p>\$67,013,833</p>

- The statewide experience modification factor dropped from .89 to .87.
- The required statewide premium calculated for FY 2024 decreased 14.1% from FY 2023 premiums (approximately \$10,466,190 before settlement repayment) following a decrease of 3.8% for FY 2022 premiums.
- The updated estimated undiscounted reserve is calculated to be \$179.5 million lower than last year's calculation.

- The Working Capital Advance settlement program is proving to be a contributor to the lower than expected incurred loss development during the fiscal year and the reduction in the undiscounted reserve can be at least partially attributed to these settlements. Other contributing factors to the lower than expected incurred loss development are the increased engagement of OWC's loss control team with the agencies in our program, and the early assignment of field nurse case management on lost time claims. In addition, our new Agency Relation Representatives are working more closely with our agencies to ensure that claims are filed timely, and investigated thoroughly. They are also working to ensure that agencies have up to date return-to-work plans, and effective medical panels, while keeping the agencies updated on their loss trends.

SETTLEMENTS – SECTION 2

Third Party Settlements

Twelve Workers' Compensation claims involved in third party suits settled during Fiscal 2022, avoiding \$1,752,073.68 in expected future costs. Exhibit C provides a list of all settlements reached during the course of third party settlements¹. Cost avoidance is calculated as follows:

Total Case Reserves (Future Exposure)	\$2,242,573.68
Total Settlement Amounts	\$490,500.00
Cost Avoidance due to Settlements	\$1,752,073.68

Working Capital Advance Settlements

In FY 2022, the Department of Human Resource Management

- Completed settlements on **23 workers' compensation claims** under the Working Capital Advance authorized in Chapter 2, 2022 Virginia Acts of Assembly, Special Session I, Item 86, F.3a;
- Produced **\$4.92 million in cost avoidance** due to accelerated closure of the claims; and
- Continued to evaluate claims for accelerated closure.

Recommendation

The Department of Human Resource Management recommends continuing a budget provision for the Working Capital Advance to support accelerated closure of certain claims. The Working Capital Advance settlement program has proved to be a significant contributor to the lower than expected incurred loss development during the fiscal year and the reduction in the undiscounted reserve can be at least partially attributed to these settlements.

The joint effort by the Department of Human Resource Management staff who suggested cost containment through settlements and the Department of Planning and Budget staff who developed the Working Capital Advance vehicle to make the idea possible has produced positive results for the program:

- Actual results achieved by settling 260 claims have already produced documented cost avoidance of \$66.87 million. The required statewide premium calculated for FY 2024 decreased 14.1% from FY 2023 premiums (approximately \$10,466,190) before settlement repayment).

¹ The settlements contained in this section do not include the settlements made under the Working Capital Advance authorized in Chapter 2, 2022 Virginia Acts of Assembly, Special Session I, Item 86, F.3a to settle certain workers' compensation claims in FY 2022. Those settlements are reported in Section 2, Working Capital Advance Settlements.

- The updated estimated undiscounted reserve is calculated to be **\$179.5 million** lower than last year's calculation.

LOSS CONTROL PROGRAM – SECTION 3

The program's actuary, Oliver Wyman produced an updated actuarial report entitled *2022 Workers' Compensation Experience Statistics by Agency* based on reported losses as of June 30, 2022 (Exhibit E).

Agencies with the most adverse loss history identified in the 2022 report are:

- Department of Motor Vehicles
- Virginia State Police
- Department of Corrections
- Department of Wildlife Resources
- Department of Juvenile Justice
- Department of Behavioral Health and Developmental Services
 - Mental Health Treatment Centers
 - Intellectual Disabilities Training Centers
 - Virginia Center for Behavioral Rehabilitation
- Department of Veterans Services
- Virginia Alcoholic Beverage Control Authority

Department of Corrections returned to the list for 2022; James Madison University was removed from the list.

Recommendation

The Department of Human Resource Management recommendation is:

- Continue development of agency-specific action plans and consulting work to reduce the frequency and severity of workers' compensation claims;
- Continue the loss control consulting work initiated in FY 2022 with the previously identified agencies; and
- Reward high performing agencies with premium credits, and encourage struggling agencies with premium debits

Section 1:

Experience-based Premium Recommendations

Objective

The study provides recommendations to the Governor and the General Assembly of the agency-by-agency cost of experience-based premiums for the Department of Human Resource Management State Employee Workers' Compensation Program for FY 2024 and FY 2025 using the latest actuarial data.

Recommendation

The Department of Human Resource Management recommends workers' compensation premiums equal to the cash flow needs of the program. Actual FY 2022 and FY 2023 premiums shown for comparison.

<u>Actual FY 2022 Premium</u>	<u>Actual FY 2023 Premium</u>
\$77,121,714	\$74,182,847
<u>Actual FY 2022 Premium Plus WCA Repayment</u>	<u>Actual FY 2023 Premium Plus WCA Repayment</u>
\$79,432,604	\$77,050,309
<u>Recommended FY 2024 Premium</u>	<u>Recommended FY 2025 Premium</u>
\$63,716,657	\$63,885,371
<u>Recommended FY 2024 Premium Plus WCA Repayment</u>	<u>Recommended FY 2025 Premium Plus WCA Repayment</u>
\$66,846,118	\$67,013,833

Background

Experience-based premiums are based on the marketplace premise that the higher the cost of claims, the higher the premiums. The policyholder's claim history, the number and dollar amount of previous claims, projected payroll, as well as other risk factors determine premiums. With experience-based premiums, the policyholder absorbs any increase in premium costs, and retains savings if premiums decrease. This gives the policyholder a monetary incentive to prevent accidents and control costs.

The Department of Planning and Budget conducted an evaluation study of the State Employee Workers' Compensation Program and in December of 1998 issued a report *Experience-Based Premiums for the Commonwealth's Self-Insurance Programs*. They recommended that the Workers' Compensation Program should adopt experience-based premiums. Because of the increased cost of premiums and the cost shifting between agencies, experience-based premiums were phased in over a two-year period. Premiums for FY 2000 were capped at no more than a 50 percent increase or decrease, compared to FY 1998 premiums. Premiums for FY 2001 were experience-based with no cap. Premiums for FY 2002 were identical to FY 2001 and did not reflect loss or payroll trends or exposure (payroll) growth between 2000 and 2002. Premiums for FY 2003-FY 2023 were also experience-based.

Since FY 1998, total premiums collected equaled the actuarial projection of the expected cash flow needs of the program. There is no requirement that the workers' compensation program be actuarially sound. The workers' compensation program has consistently been in a deficit fund position since 1987; however, the program has settled select claims under a Working Capital Advance since FY 2017. The Working Capital Advance settlement project is proving to be a significant contributor to the lower than expected incurred loss development during the fiscal year and the reduction in the undiscounted reserve can be at least partially attributed to these settlements.

- The statewide experience modification factor dropped from .89 to .87.
- The required statewide premium calculated for FY 2024 decreased 14.1% from FY 2023 premiums (approximately \$10,466,190 before settlement repayment).
- The updated estimated undiscounted reserve is calculated to be \$179.5 million lower than last year's calculation.
- The Working Capital Advance settlement program is proving to be a contributor to the lower than expected incurred loss development during the fiscal year and the reduction in the undiscounted reserve can be at least partially attributed to these settlements.

Benefits of Experience-based Premiums

With so many competing goals existing in the work environment today, claims and loss control receive little attention by agency management when there are no consequences. Experience-

based premiums have created agency management awareness of the cost of their claims. It has also provided a financial incentive for agencies to control costs. When an agency has an effective loss control program, premiums typically will be reduced due to improved experience (unless the agency has a significant increase in projected payroll).

Since 1999, Executive branch agencies have been required to analyze their workplace accidents, develop goals and strategies to reduce or eliminate them, and to create opportunities, whenever possible, to return employees to work. Since implementing experience-based premiums, agencies have made significant headway in controlling workplace injuries. Creating experience-based premiums has increased agency attention to their safety and loss control needs.

The Workers' Compensation Program has created an extensive training and inspection program that assists agencies with their initiatives to:

- Eliminate or reduce premises hazards;
- Reduce or control exposures;
- Create training programs to increase control of risk;
- Improve workplace safety;
- Reduce program costs;
- Reduce the frequency and severity of claims; and
- Return employees to work in a transitional or modified duty capacity.

Methodology

Oliver Wyman Actuarial Consulting, Inc. (Oliver Wyman) was asked to provide an allocation of the projected FY 2024 and FY 2025 costs of the workers' compensation self-insurance program to the Commonwealth's agencies. The allocation was to reflect the historical experience of the individual agencies. It was also requested that they rely on their annual analysis of the overall reserve requirements of the self-insurance program.

The Department of Planning and Budget provided payroll information. Actual premiums charged to each agency and their claims history was provided by Department of Human Resource Management State Employee Workers' Compensation Services.

The actuary provides three premium options based upon their reserve analysis. The figures represent the total of the projected program and administrative expenses and projected losses for FY 2024 and FY 2025 under three scenarios:

1. Indicated Undiscounted Actuarial Premium (cashflow) – the premium required to pay the ultimate cost of claims anticipated to occur during FY 2024 plus the FY 2024 program and administrative expenses.

2. Pay As You Go – projection of loss and expense payments (net of anticipated investment income) to be made during FY 2024 on all accident years.
3. Pay As You Go Plus One Year’s Cashflow – projection of loss and expense payments (net of anticipated investment income) to be made during FY 2024 plus the amount required so that the FY 2024 ending fund balance is equal to the FY 2025 cash flow.

The Department of Human Resource Management recommends that the program continue to allocate premiums on the Pay As You Go basis. This scenario represents a 14.1 percent **decrease** in overall premiums for FY 2024 as compared to FY 2023 and a .3 percent overall increase in premiums for FY 2025 as compared to FY 2024².

Total premiums recommended are \$63,716,657 for FY 2024 and \$63,885,371 for FY 2025, exclusive of the Working Capital Advance settlement reimbursements. Exhibit A provides recommended workers’ compensation premiums by agency on a Pay as You Go (cash flow) basis for FY 2024 and FY 2025. The complete actuarial study, titled *FY 2024 and 2025 Workers’ Compensation Premium Allocation* is attached (Exhibit B) which provides details of the individual calculations that were performed to arrive at the final premium recommendations. Please refer to Exhibits 1C and 1D in the actuarial study for detail on the Working Capital Advance reimbursement amounts per agency.

² The premium amounts shown here do not include the Working Capital Advance settlement required reimbursements authorized in Chapter 2, 2022 Virginia Acts of Assembly, Special Session I, Item 86, F.3.a.

Section 2:

Workers' Compensation Settlements

Objective

The report provides an update on the status of the Workers' Compensation Claims Settlements to the Governor and Chairmen of the House Appropriations and Senate Finance and Appropriations Committees. Settlements may be reached through negotiations during third party suits, or may be reached under the Working Capital Advance for the settlement of certain claims.

All settlements have been approved by the Virginia Workers' Compensation Commission as being in the best interest of the claimant or the dependents as required by Rule 1.7 of the Rules of the Commission.

Prior to the approval of all settlements, the Workers' Compensation Program staff must:

- Obtain the most current medical information;
- Obtain a current rehabilitation report indicating the employee's inability to return to any type of gainful employment;
- Determine if the employee has taken disability or service retirement through the Virginia Retirement System;
- Determine if the employee is receiving social security disability benefits;
- Conduct an analysis of the benefit to the Commonwealth of Virginia when comparing the amount of settlement to the estimated future exposure;
- Obtain approval from the Director of Office of Workers' Compensation.

After it has been determined that it is in both the claimant's and the Commonwealth of Virginia's best interest to settle the claim, it is submitted to the Office of the Attorney General for approval. If the Office of the Attorney General concurs with the recommendation, the proposed compromise settlement is submitted to the Virginia Workers' Compensation Commission for their approval.

Status of Third Party Settlements

The Department of Human Resource Management settled six workers' compensation claims as a result of third party suits during Fiscal 2022, avoiding \$1,752,073.68 in expected future costs.

Exhibit C provides a list of all settlements reached during the course of third party settlements³. Cost avoidance is calculated as follows:

Total Case Reserves (Future Exposure)	\$2,242,573.68
Total Settlement Amounts	490,500.00
Cost Avoidance due to Settlements	\$1,752,073.68

Status of Working Capital Advance Settlements

The Department of Human Resource Management received funding access effective July 1, 2015 to a working capital advance of up to \$20,000,000 to identify and potentially settle certain workers' compensation claims open for more than one year but less than 10 years.

In FY 2021, the Department of Human Resource Management

- Completed settlements on **23 workers' compensation claims** under the Working Capital Advance authorized in Chapter 2, 2022 Virginia Acts of Assembly, Special Session I, Item 86, F.3.a;
- Produced **\$4.92 million in cost avoidance** due to accelerated closure of the claims; and
- Continued to evaluate claims for accelerated closure.

The following table illustrates results of the first six years of settlements under the WCA:

Settlement Year	# of Claims	Total \$ Settlements	Cost Avoidance
FY 2017	62	\$ 4,889,899	\$ 14,726,445
FY 2018	42	\$ 3,569,370	\$ 8,794,562
FY 2019	39	\$ 3,576,463	\$ 13,363,769
FY 2020	49	\$ 4,140,500	\$ 13,840,065
FY 2021	45	\$ 3,896,000	\$ 11,224,660
FY 2022	23	\$ 1,652,000	\$ 4,922,697
Total	260	\$ 21,724,232	\$ 66,872,198

Recommendation

DHRM recommends continuing a budget provision for the Working Capital Advance to support accelerated closure of certain workers' compensation claims.

- Actual results achieved by settling 260 claims have already produced documented cost avoidance of \$66.87 million. Based on these results, it would appear that the potential for even deeper cost avoidance is probable;

³ The settlements contained in this section do not include the settlements made under the Working Capital Advance authorized in Chapter 2, 2022 Virginia Acts of Assembly, Special Session I, Item 86 F.3.a to settle certain workers' compensation claims in FY 2022. Those settlements are reported in Section 2, Working Capital Advance Settlements.

- The required statewide premium calculated for FY 2024 decreased approximately \$10.47 million compared to the figure projected in last year's study (before settlement repayments);
- The updated estimated undiscounted reserve is calculated to be \$179.5 million lower than last year's calculation; and
- The Working Capital Advance settlement program is proving to be a contributor to the lower than expected incurred loss development during the fiscal year and the reduction in the undiscounted reserve can be at least partially attributed to these settlements.

Please see Exhibit D for a list of all settlements under the Working Capital Advance in FY 2022.

Background

Marsh Risk Consulting conducted an analysis to examine the impact of settling appropriate claims, including an estimate of the potential cost avoidance opportunity associated with an accelerated claim closure initiative. The study was promulgated by language included in Item 81, F.2 of Chapter 2, 2014 Special Session 1, which requires the Department of Human Resource Management to conduct a study with results due no later than October 1, 2014.

“The Department of Human Resource Management shall conduct a study, with the cooperation of all executive, legislative, judicial, and independent agencies, to include, but not be limited to, the impact of settling appropriate claims, the potential need for a risk management position in the Department of Human Resource Management to further assist state agencies not staffed with a risk management position, and the need for a risk management position for state agencies with a high incidence of claims who are not staffed with a risk management position. The department shall report its findings and cost savings recommendations for the state employee's workers' compensation program to the Governor and Chairmen of the House Appropriations and Senate Finance Committees no later than October 1, 2014.”

That analysis was titled “Risk Management and Occupational Safety and Health Programs to Reduce Injury and Illness Incidence Rates and Claim Inventory Workout: An Accelerated Claim Closure Initiative” provided to the Governor and General Assembly in the 2014 Reports to the General Assembly, item [RD290](#). The study revealed considerable opportunity to reduce future liability for the program by accelerating claim closure on appropriate claims through settlement.

Based on the results, a budget package was submitted and approved, providing a working capital advance of up to \$20,000,000 to identify and potentially settle certain workers' compensation claims open for more than one year but less than 10 years. The Department of Human Resource Management is responsible to pay back the working capital advance from annual premiums over a seven year period. The Department of Human Resource Management is also directed to provide this report to the Governor and Chairmen of the House Appropriations and Senate Finance and Appropriations Committees on the status of the

settlement program, the number of claims settled, and the estimated state costs avoided from the settlements no later than October 30 of each year. The Secretary of Finance and Secretary of Administration are responsible to approve the drawdowns from this working capital advance prior to the expenditure of funds. The State Comptroller is responsible to notify the Governor and the Chairmen of the House Appropriations and Senate Finance and Appropriations Committees of any approved drawdowns.

Section 3:

Loss Control Program

Objective

The report provides an update on the status and recommendations to the Governor and the General Assembly of the loss control program based on the annual review of each state agency's loss control history, including the severity of workers' compensation claims, experience modification factor, and frequency normalized by payroll.

Status

The Department of Human Resource Management received authority effective July 1, 2015 to establish a loss control unit within the Department's Workers' Compensation Program. Since then, the program has

- Worked with the Program's actuary to identify agencies with the most adverse loss history; agencies included in each of the three studies completed in FYs 15, 16, 17, 18, 19, 20, 21 and 22 are:
 - Virginia State Police
 - Department of Juvenile Justice
 - Mental Health Treatment Centers
 - Department of Veterans Services
 - Virginia Alcoholic Beverage Control Authority
- Completed an updated actuarial report entitled *Workers' Compensation Experience Statistics by Agency* based on reported losses as of June 30, 2022 (Exhibit E) The agencies identified with the most adverse loss history in the updated report are:
 - Department of Motor Vehicles
 - Virginia State Police
 - Department of Corrections
 - Department of Wildlife Resources
 - Department of Juvenile Justice
 - Department of Behavioral Health and Developmental Services
 - Mental Health Treatment Centers
 - Intellectual Disabilities Training Centers
 - Virginia Center for Behavioral Rehabilitation
 - Department of Veterans Services
 - Virginia Alcoholic Beverage Control Authority
- Demonstrated a reduction in premiums for several agencies in the service plans:
 - Department of Behavioral Health and Developmental Services, Intellectual Development Training Centers: 41.9%

- Department of Behavioral Health and Developmental Services, Mental Health Treatment Centers: -8.2%
- Department of Behavioral Health and Developmental Services, Virginia Center for Behavioral Rehabilitation: -20.8%
- Virginia Alcoholic Beverage Control Authority: -19.7%
- Virginia Institute of Marine Science: -14.9%
- Department for Aging and Rehabilitative Services: -26.7%
- Virginia State Police: -16.6%
- Department of Motor Vehicles: -20.1%
- Department of Juvenile Justice: -25.3%
- Department of Veterans Services: -41.3%

Recommendation

The recommendation is to continue development of agency-specific action plans and consulting work to reduce the frequency and severity of workers' compensation claims.

Background

DHRM is the state agency authorized to administer the state employee workers' compensation services program for the Commonwealth in accordance with Code of Virginia. As part of this responsibility, DHRM is responsible for the management of the workers' compensation insurance plan trust fund.

- The Governor's Executive Order 109 (10) requires Executive Branch agencies to implement initiatives to reduce work-related injuries and improve services to injured employees. EO 109 (10) requires DHRM to provide training, consultation and support for agency initiatives;
- The September 30, 2014 Report titled "Risk Management and Occupational Safety and Health Programs to Reduce Injury and Illness Incidence Rates and Claim Inventory Workout: An Accelerated Claim Closure Initiative" concluded the Commonwealth of Virginia would benefit from Loss Control position(s) and by promoting certain activities in agencies with high frequency and severity of claims and correspondingly high experience modification factors. Consolidating contractual and state loss control services in DHRM-OWC staffing benefits the overall safety mission of the Commonwealth and supports agency compliance with EO 109(10). These positions support select larger agencies to help focus safety and loss control efforts to reduce frequency and severity of claims. Doing so has positively impacted the experience modification factor for most of these agencies and ultimately may drive down the cost of their workers' compensation premiums.

Both the September 30, 2014 Report titled "Risk Management and Occupational Safety and Health Programs to Reduce Injury and Illness Incidence Rates and Claim Inventory Workout: An Accelerated Claim Closure Initiative" and a special study conducted in successive years by the

OWC program's actuaries have identified a number of agencies who may benefit from the assistance of the OWC Loss Control Unit. The two September 30, 2014 reports are available in the 2014 Reports to the General Assembly, item [RD290](#). A copy of the actuarial report entitled *2022 Workers' Compensation Experience Statistics by Agency* is attached to this report.

It is the Commonwealth's objective to promote the management of public resources efficiently and effectively in challenging economic times and it is the Commonwealth's objective to promote the recruitment, development and maintenance of a competent and stable workforce. It is also the Commonwealth's objective to ensure the long-term viability of the state employee workers' compensation trust fund by employing best practice approaches to manage the long-term costs for the program. The dedicated Loss Control Unit, a combination of state employee and contract staffing, for the OWC program will be a tool for meeting these challenges.

DHRM employs innovation and best practices in managing the state employee workers' compensation program in order to meet these important objectives. The program employs many loss control strategies utilizing contract staff including:

- **Consultative Services –**
 - Safety problem-solving
 - Technical resource
 - Consultation on OSHA programs
 - Personalized “Peer Mentoring” with agency safety & loss control committee or safety officer
 - Consultation on VOSH/OSHA Standards and the temporary Emergency COVID-19 Standard

- **Special Services –**
 - Hazard Audits
 - Snapshot Hazard Surveys
 - Benchmark Analysis Reviews
 - Loss Control Articles
 - Toolbox Topic Publications
 - Safety Roundtable Meetings and Networking Events
 - Follow up assistance on items found during these audits

- **Event Investigation and Analysis –**
 - Fatality/Catastrophic Events
 - Medical/Chronic Events
 - Problematic Events

- **Loss Control Training –** 10 hours per month of short topic safety training plus one OSHA 30 Hour for General Industry course and two OSHA 10 Hour for General Industry courses annually in addition to specialized FOCUS (Fundamental Opportunities Centered around Understanding Safety) Training

- **Resource Development** – Assist in developing agency safety & health system and resources:
 - Review safety policies for OSHA compliance
 - Assist with the development of agency safety committees
 - Research questions and write general articles on important agency safety topics
 - Management consulting, coaching & training on safety issues

In addition to the contractual services the program provides, the DHRM Loss Control Unit enhances potential for the reduction of claims by:

- Providing a resource for deeper data analysis for:
 - Identification of locations in need of consultative services;
 - Identification of training topics to assist agency loss control efforts;
 - Better EO 109 (10) compliance oversight;
 - More focused contractor efforts;
- Providing a resource for strategically focused, intense consulting with those high frequency and severity agencies with the most potential for cost savings through injury prevention and other loss control tools;
- Providing a resource to assist the safety and loss control efforts of small agencies with no dedicated loss control staff.
- Provide additional backup to key program positions and add to succession planning resources.

**COMMONWEALTH OF VIRGINIA
WORKERS' COMPENSATION
SELF INSURANCE FUND**

**FISCAL YEARS 2024 AND 2025 PREMIUMS
PERCENTAGE CHANGE FROM FISCAL YEAR 2023 PREMIUM**

**EXPERIENCE MODIFICATION FACTORS BASED ON NCCI FORMULA AND NO CAPPING OF INDIVIDUAL AGENCY PREMIUMS
(INCLUDES IMPACT OF PAYROLL GROWTH)**

Agency Code	Agency Name	FY 2023 Actual Premium	Projected Pay As You Go Premiums		Percent Changes	
			FY 2024	FY 2025	FY 2023 to FY 2024	FY 2024 to FY 2025
			(4a)	(4b)	(5a)	(5b)
100	Senate of Virginia	10,925	9,321	9,261	-14.7%	-0.6%
101	Virginia House of Delegates	14,639	13,876	13,786	-5.2%	-0.6%
103	Magistrate System	22,953	28,337	28,153	23.5%	-0.6%
107	Division of Legislative Services	8,261	7,362	7,314	-10.9%	-0.6%
109	Division of Legislative Automated Systems	2,343	1,950	1,937	-16.8%	-0.6%
110	Joint Legislative Audit and Review Commission	3,748	3,163	3,143	-15.6%	-0.6%
111	Supreme Court of Virginia	38,800	39,352	39,096	1.4%	-0.6%
112	Judicial Inquiry and Review Commission	580	439	436	-24.3%	-0.6%
113	Circuit Courts	33,680	27,947	27,766	-17.0%	-0.6%
114	General District Courts	82,585	65,427	65,003	-20.8%	-0.6%
115	Juvenile and Domestic Relations District Courts	56,259	38,299	38,050	-31.9%	-0.6%
116	Combined District Courts	8,396	7,000	6,954	-16.6%	-0.6%
117	Virginia State Bar	9,207	7,490	7,442	-18.6%	-0.6%
119	Lieutenant Governor	242	213	212	-11.9%	-0.6%
121	Office of the Governor	4,277	3,925	3,900	-8.2%	-0.6%
122	Department of Planning and Budget	4,902	4,269	4,242	-12.9%	-0.6%
123	Department of Military Affairs	578,094	369,907	367,546	-36.0%	-0.6%
125	Court of Appeals of Virginia	20,258	9,635	9,572	-52.4%	-0.6%
127	Department of Emergency Management	25,404	18,208	18,119	-28.3%	-0.5%
129	Department of Human Resource Management	17,477	15,738	15,636	-10.0%	-0.6%
132	Department of Elections	9,511	7,978	7,927	-16.1%	-0.6%
133	Auditor of Public Accounts	6,297	4,994	4,962	-20.7%	-0.6%
136	Virginia Information Technologies Agency	35,050	37,668	37,423	7.5%	-0.6%
140	Department of Criminal Justice Services	17,221	17,078	16,967	-0.8%	-0.6%
141	Attorney General and Department of Law	35,008	34,986	34,759	-0.1%	-0.6%
146	The Science Museum of Virginia	11,751	12,185	12,106	3.7%	-0.6%
147	Office of the State Inspector General	4,446	4,574	4,660	2.9%	1.9%
148	Virginia Commission for the Arts	470	357	355	-24.0%	-0.6%
151	Department of Accounts	14,671	12,459	12,378	-15.1%	-0.6%
152	Department of the Treasury	9,890	9,640	9,578	-2.5%	-0.6%
154	Department of Motor Vehicles	359,301	287,079	285,113	-20.1%	-0.7%
156	Department of State Police	7,740,252	6,453,347	6,462,847	-16.6%	0.1%
157	Compensation Board	1,366	1,106	1,099	-19.0%	-0.6%
158	Virginia Retirement System	36,652	30,823	30,623	-15.9%	-0.6%
160	Virginia Criminal Sentencing Commission	943	751	746	-20.3%	-0.6%
161	Department of Taxation	67,377	64,193	63,777	-4.7%	-0.6%
162	Department of Accounts Transfer Payments	98	97	98	-0.7%	1.6%
165	Department of Housing and Community Development	11,343	11,762	11,686	3.7%	-0.6%
166	Secretary of the Commonwealth	1,601	1,444	1,434	-9.8%	-0.6%
171	State Corporation Commission	106,596	88,035	87,464	-17.4%	-0.6%
172	Virginia Lottery	58,340	36,634	36,396	-37.2%	-0.6%
174	Virginia College Savings Plan	12,538	10,749	10,679	-14.3%	-0.6%
180	Secretary of Administration	1,758	1,414	1,405	-19.6%	-0.6%
181	Department of Labor and Industry	49,790	45,780	45,483	-8.1%	-0.6%
182	Virginia Employment Commission	47,313	26,460	26,090	-44.1%	-1.4%
183	Secretary of Natural Resources	638	435	432	-31.9%	-0.6%
185	Secretary of Education	620	494	491	-20.3%	-0.6%
186	Secretary of Transportation	710	567	564	-20.1%	-0.6%
187	Secretary of Public Safety and Homeland Security	725	611	607	-15.6%	-0.6%
188	Secretary of Health and Human Resources	503	370	367	-26.5%	-0.6%
190	Secretary of Finance	689	573	570	-16.8%	-0.6%
191	Virginia Workers' Compensation Commission	56,403	44,222	43,935	-21.6%	-0.6%
192	Secretary of Commerce and Trade	646	518	515	-19.8%	-0.6%
193	Secretary of Agriculture and Forestry	419	312	310	-25.5%	-0.6%
194	Department of General Services	325,822	224,436	222,980	-31.1%	-0.6%
195	Secretary of Labor	162	161	187	-0.6%	15.8%
199	Department of Conservation and Recreation	528,802	481,639	480,159	-8.9%	-0.3%
200	Childrens Services	1,414	1,233	1,225	-12.8%	-0.6%
201	Department of Education, Central Office Operations	67,807	54,692	54,344	-19.3%	-0.6%
202	The Library of Virginia	12,191	8,395	8,340	-31.1%	-0.6%
203	Wilson Workforce and Rehabilitation Center	91,367	67,322	66,885	-26.3%	-0.6%
204	The College of William and Mary In Virginia	648,912	640,708	636,554	-1.3%	-0.6%
207	University of Virginia	3,314,999	3,342,013	3,348,344	0.8%	0.2%
208	Virginia Polytechnic Institute and State University	2,793,006	2,481,474	2,491,136	-11.2%	0.4%
209	University of Virginia Medical Center	4,773,114	4,936,747	4,950,347	3.4%	0.3%
211	Virginia Military Institute	260,184	234,427	232,880	-9.9%	-0.7%
212	Virginia State University	164,822	126,154	125,424	-23.5%	-0.6%
213	Norfolk State University	442,213	245,915	244,062	-44.4%	-0.8%
214	Longwood University	397,388	386,570	396,412	-2.7%	2.5%
215	University of Mary Washington	397,375	235,840	236,687	-40.7%	0.4%
216	James Madison University	1,733,409	1,135,733	1,130,474	-34.5%	-0.5%
217	Radford University	468,393	351,770	349,608	-24.9%	-0.6%
218	Virginia School for the Deaf and the Blind	92,890	69,056	68,607	-25.7%	-0.6%
221	Old Dominion University	737,350	716,279	711,808	-2.9%	-0.6%
222	Department of Professional and Occupational Regulation	12,398	10,564	10,495	-14.8%	-0.6%
223	Department of Health Professions	54,516	59,001	58,618	8.2%	-0.6%
226	Board of Accountancy	1,110	926	920	-16.6%	-0.6%
229	VPI Cooperative Extension and Agricultural Experiment Station	242,491	214,744	213,350	-11.4%	-0.6%

**COMMONWEALTH OF VIRGINIA
WORKERS' COMPENSATION
SELF INSURANCE FUND**

**FISCAL YEARS 2024 AND 2025 PREMIUMS
PERCENTAGE CHANGE FROM FISCAL YEAR 2023 PREMIUM**

**EXPERIENCE MODIFICATION FACTORS BASED ON NCCI FORMULA AND NO CAPPING OF INDIVIDUAL AGENCY PREMIUMS
(INCLUDES IMPACT OF PAYROLL GROWTH)**

Agency Code (1)	Agency Name (2)	FY 2023 Actual Premium (3)	Projected Pay As You Go Premiums		Percent Changes	
			FY 2024	FY 2025	FY 2023 to FY 2024	FY 2024 to FY 2025
			(4a)	(4b)	(5a)	(5b)
233	Board of Bar Examiners	893	734	729	-17.8%	-0.6%
234	VSU Cooperative Extension and Agricultural Research Services	19,769	18,010	17,893	-8.9%	-0.6%
236	Virginia Commonwealth University	1,945,711	1,451,145	1,441,821	-25.4%	-0.6%
238	Virginia Museum of Fine Arts	126,588	134,225	133,427	6.0%	-0.6%
239	Frontier Culture Museum of Virginia	4,484	3,351	3,329	-25.3%	-0.6%
241	Richard Bland College	60,374	54,146	53,806	-10.3%	-0.6%
242	Christopher Newport University	442,990	376,335	373,845	-15.0%	-0.7%
245	State Council of Higher Education for Virginia	5,224	4,355	4,327	-16.6%	-0.6%
246	University of Virginia's College at Wise	147,744	119,113	118,340	-19.4%	-0.6%
247	George Mason University	1,232,084	1,145,208	1,146,465	-7.1%	0.1%
260	Virginia Community College System	1,702,988	1,244,507	1,241,396	-26.9%	-0.2%
262	Department for Aging and Rehabilitative Services	114,831	69,702	69,271	-39.3%	-0.6%
263	Virginia Rehabilitation Center for the Blind and Vision Impaired	3,665	3,803	3,778	3.8%	-0.6%
268	Virginia Institute of Marine Science	174,011	148,134	147,173	-14.9%	-0.6%
301	Department of Agriculture and Consumer Services	346,228	253,680	252,033	-26.7%	-0.6%
307	Virginia Agricultural Council	0	0	0	N/A	N/A
309	Virginia Innovation Partnership Authority	0	0	0	N/A	N/A
330	Virginia-Israel Advisory Board	158	127	127	-19.3%	-0.6%
350	Department of Small Business and Supplier Diversity	3,925	3,812	3,787	-2.9%	-0.6%
402	Marine Resources Commission	136,342	141,751	140,864	4.0%	-0.6%
403	Department of Wildlife Resources	711,938	677,037	672,751	-4.9%	-0.6%
405	Virginia Racing Commission	1,013	779	774	-23.1%	-0.6%
409	Department of Mines, Minerals and Energy	185,188	210,726	209,346	13.8%	-0.7%
411	Department of Forestry	290,956	267,209	265,475	-8.2%	-0.6%
413	Commission on the Virginia Alcohol Safety Action Program	2,824	2,390	2,375	-15.3%	-0.6%
417	Gunston Hall	2,241	2,742	2,724	22.4%	-0.6%
423	Department of Historic Resources	11,130	10,376	10,309	-6.8%	-0.6%
425	Jamestown-Yorktown Foundation	136,024	160,460	159,422	18.0%	-0.6%
440	Department of Environmental Quality	576,530	491,918	488,726	-14.7%	-0.6%
454	Secretary of Veterans and Defense Affairs	841	558	555	-33.6%	-0.6%
501	Department of Transportation	11,575,442	9,233,097	9,249,729	-20.2%	0.2%
505	Department of Rail and Public Transportation	7,736	5,856	5,818	-24.3%	-0.6%
506	Motor Vehicle Dealer Board	3,480	2,982	2,963	-14.3%	-0.6%
601	Department of Health	1,686,325	1,177,075	1,190,232	-30.2%	1.1%
602	Department of Medical Assistance Services	62,272	62,614	62,207	0.5%	-0.6%
606	Virginia Board for People with Disabilities	943	758	753	-19.6%	-0.6%
702	Department for the Blind and Vision Impaired	75,312	82,164	81,631	9.1%	-0.6%
720	Department of Behavioral Health and Developmental Services	89,008	79,727	79,351	-10.4%	-0.5%
751	Department for the Deaf and Hard-of-Hearing	745	576	572	-22.7%	-0.6%
765	Department of Social Services	93,932	80,685	80,161	-14.1%	-0.6%
766	Virginia Parole Board	2,115	2,156	2,142	1.9%	-0.6%
777	Department of Juvenile Justice	2,151,646	1,607,623	1,601,356	-25.3%	-0.4%
778	Department of Forensic Science	231,161	198,134	196,848	-14.3%	-0.6%
792	Mental Health Treatment Centers	8,315,783	7,637,251	7,720,698	-8.2%	1.1%
793	Intellectual Disabilities Training Centers	587,882	834,124	843,933	41.9%	1.2%
794	Virginia Center for Behavioral Rehabilitation	822,080	650,785	646,550	-20.8%	-0.7%
799	Department of Corrections	9,944,202	8,925,046	8,961,705	-10.2%	0.4%
820	Capitol Square Preservation Council	125	101	100	-19.3%	-0.6%
834	Virginia Freedom of Information Advisory Council	194	166	165	-14.6%	-0.6%
839	Virginia Commission on Youth	292	253	251	-13.4%	-0.6%
841	Department of Aviation	36,956	22,218	22,074	-39.9%	-0.6%
842	Chesapeake Bay Commission	122	100	99	-18.2%	-0.6%
844	Joint Commission on Health Care	500	513	510	2.7%	-0.6%
847	Joint Commission on Technology and Science	192	66	65	-65.8%	-0.6%
848	Indigent Defense Commission	55,075	31,540	31,328	-42.7%	-0.7%
856	Opioid Abatement Authority	0	80	99	N/A	23.8%
876	Virginia Conflict of Interest and Ethics Advisory Council	393	338	336	-13.9%	-0.6%
882	Behavioral Health Commission	81	142	165	75.5%	15.8%
912	Department of Veterans Services	846,941	497,400	548,367	-41.3%	10.2%
913	Veterans Service Foundation	58	79	83	34.8%	5.6%
937	Southern Virginia Higher Education Center	2,702	2,624	2,607	-2.9%	-0.6%
938	New College Institute	1,630	1,319	1,311	-19.1%	-0.6%
942	Virginia Museum of Natural History	1,987	1,730	1,719	-12.9%	-0.6%
948	Southwest Virginia Higher Education Center	7,968	6,216	6,176	-22.0%	-0.6%
957	Commonwealth's Attorneys' Services Council	737	614	610	-16.8%	-0.6%
960	Department of Fire Programs	142,470	111,696	111,001	-21.6%	-0.6%
961	Division of Capitol Police	110,929	124,355	123,551	12.1%	-0.6%
977	Virginia Cannabis Control Authority	0	579	717	N/A	23.8%
980	In-State Undergraduate Tuition Moderation	0	0	0	N/A	N/A
999	Virginia Alcoholic Beverage Control Authority	1,730,637	1,390,193	1,381,262	-19.7%	-0.6%
	Statewide Total	74,182,847	63,716,657	63,885,371	-14.1%	0.3%

Note: The premiums in column (4) do not include settlement reimbursements.

FY 2024 AND 2025 WORKERS' COMPENSATION PREMIUM ALLOCATION

Commonwealth of Virginia

September 21, 2022



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Department of Human Resource Management
Office of Workers' Compensation
Commonwealth of Virginia
James Monroe Building, 6th Floor
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September 26, 2022

FY 2024 and FY 2025 Workers' Compensation Premium Allocation

Dear Aubrey:

Enclosed please find our allocation of workers' compensation self-insured program premium for FY 2024 and FY 2025. By "premium," we mean the amount that the Department of Human Resource Management, Office of Workers' Compensation (DHRM/OWC) charges back to each agency within the Commonwealth in order to cover the costs of the self-insurance program. You requested that we provide an allocation, based on data valued as of June 30, 2022, for fiscal years ending June 30, 2024 and June 30, 2025.

The attached text and exhibits summarize our methods and results.

Sincerely,

A handwritten signature in blue ink that reads 'Jennifer K Price'.

Jennifer K. Price, FCAS, MAAA
Direct Dial: (404) 239-6421

A handwritten signature in black ink that reads 'William Arthur'.

William Arthur, FCAS, MAAA
Direct Dial: (470) 905-8072

Enclosure

CONTENTS

1.	Executive Summary	1
	Purpose and Scope.....	1
	Actuarial Findings.....	1
	Relevant Comments.....	2
	Settlement Project	2
	Accounting Projections	3
	Premium Scenarios	4
	COVID-19	5
	PTSD Presumption	5
2.	Data.....	7
3.	Methodology	9
	Key Assumptions.....	11
4.	Distribution and Use.....	12
5.	Considerations and Limitations.....	13
6.	Acknowledgement of Qualifications	15
Appendix A.	Glossary	16

1. EXECUTIVE SUMMARY

Purpose and Scope

Oliver Wyman Actuarial Consulting, Inc. (Oliver Wyman) was asked by Department of Human Resource Management, Office of Workers' Compensation (DHRM/OWC) to provide an allocation of the projected FY 2024 and FY 2025 costs of the workers' compensation self-insurance program to the Commonwealth's agencies. The allocation is designed to reflect the historical experience of the individual agencies. We relied on our June 30, 2022 annual analysis of the overall self-insurance program which was completed using data valued as of June 30, 2022.

Actuarial Findings

DHRM/OWC requested that we allocate three specific figures based on our final analysis as of June 30, 2022. These figures represent the total of the projected program and administrative expenses and projected losses for FY 2024 and FY 2025 under the following three scenarios. It should be noted that the scenarios defined below refer to FY 2024 only; however, they are also applicable to FY 2025.

1. Indicated Undiscounted Actuarial Premium - the premium required to pay the ultimate cost of claims anticipated to occur during FY 2024 plus the FY 2024 program and administrative expenses. It should be noted that the indicated actuarial premium does not include any provision to reduce the projected deficiency in the workers' compensation fund. In addition, the premium estimates contain no margin for potential adverse contingencies.
2. Pay As You Go (CashFlow) - our projection of loss and expense payments (net of anticipated investment income) to be made during FY 2024 on all accident years.
3. Pay As You Go (CashFlow) Plus One Year's CashFlow – the projection of loss and expense payments (net of anticipated investment income) to be made during FY 2024 plus the amount required so that the FY 2024 ending fund balance is equal to the estimated FY 2025 cashflow.

DHRM requested that we allocate the three overall premium figures to individual agencies with no capping of individual agency premium changes. Exhibit 1 shows actual FY 2023 premium and projected FY 2024 and FY 2025 premium on a "Pay As You Go" basis, using experience modification factors derived based on the NCCI experience modification formula.

In general, the allocation process first estimates a commercial premium figure for each agency. The commercial premium is derived from the agency payroll by NCCI class code, the latest NCCI loss costs in Virginia, the agency experience modification factor, and an estimated expense loading. The target statewide premium for the Commonwealth is then allocated to individual agencies in proportion to their estimated commercial premiums.

For many of the agencies with the largest indicated premium changes, the payroll and experience modification factor changes have been higher than the overall average change. A comparison of the payroll and experience modifiers underlying the FY 2023 and FY 2024 premium calculations is shown in columns (3) and (5) of Exhibit 5. To allow for meaningful comparisons, the FY 2023 payroll shown in Exhibit 5 is the initial amount we were provided for our FY 2023 premium allocation. In other exhibits, we use the most recently updated figures.

It is important to note that this analysis depends heavily on the payroll projections provided by the Department of Planning and Budget. If the provided payroll is incorrect or incomplete, our premium projections will likely need to be revised. Historical and projected payroll and premiums by agency are displayed in Exhibit 4.

Relevant Comments

Settlement Project

Item 81 F.3 of Chapter 2, 2018 Special Session 1, Virginia Acts of Assembly provides for Working Capital Advances of up to \$20 million to settle certain workers' compensation claims and requires DHRM to pay back the working capital advance from annual premiums over a seven-year period. We have been instructed that the cost avoidance associated with accelerated closure of these settled claims should accrue to the individual agencies whose claims have been settled and that each individual affected agency should bear the cost of the repayment of the settlement costs over the indicated seven-year period. The first year of the working capital advance repayment occurred in FY 2019 for claims settled in FY 2017. The following table summarizes the results to-date of the settlement project.

Settlement Year	# of Claims	Total \$ Settlements	Cost Avoidance	Payback Period
FY 2017	62	\$4,889,899	\$14,726,445	2019-2025
FY 2018	42	\$3,569,370	\$8,794,562	2020-2026
FY 2019	39	\$3,576,463	\$13,363,769	2021-2027
FY 2020	49	\$4,140,500	\$13,840,065	2022-2028
FY 2021	45	\$3,896,000	\$11,224,660	2023-2029
FY 2022	25	\$1,827,000	\$5,000,690	2024-2030
Total	237	\$21,899,232	\$66,950,190	

For each settled claim, DHRM provided the date of settlement, settlement amount, estimated future annual medical, indemnity and expense payments had the claim not settled, and estimated number of future years of medical, indemnity and expense payments had the claim not settled. Using this information, the settlement project has been incorporated as follows:

1. The total cost avoidance resulting from the claim settlements is \$66.95 million. This is the difference between the estimated future annual medical, indemnity and expense payments had the claims not settled and the claim settlement amounts. The cost avoidance amounts related to payment years FY 2024 and FY 2025 are \$4.20 million and \$3.63 million, respectively. These are the portions of the \$66.95 million that would have been paid in FY 2024 and FY 2025.
2. The Pay As You Go total premium in FY 2024 is \$63.72 million. If the settlements had not occurred, the total premium would have been \$67.92 million (\$63.72 million plus \$4.20 million FY 2024 cost avoidance). On a preliminary basis, the \$67.92 million is allocated across all agencies using the

methodology described in the Methodology section of this report. These preliminary premiums are shown in Exhibits 2 and 3¹.

3. The final Pay As You Go premiums by agency are calculated in Exhibit 1, Sheets 1C and 1D. The preliminary premiums from step 2 are shown in column 3². The cost avoidance amounts specific to the individual agencies with settled claims are shown in column 4 (\$4.20 million for FY 2024) and are deducted from the preliminary premiums to arrive at the final premiums in column (5).
4. The settlement reimbursement amounts by agency are shown in column (6) of Exhibits 1C and 1D. The amounts are 1/7 of the total settlements (reflecting the 7-year payback period). These settlement reimbursements are not included in the remainder of the report exhibits.

Accounting Projections

The Accounting Projections section presents our five-year accounting projections for the Workers' Compensation program. These exhibits show our projections of various income statement and balance sheet items for this five-year period under several premium scenarios.

The first row of each accounting exhibit shows the fund balance at the beginning of the year. For 2022, the fund balance at the beginning of the year is the fund balance as of June 30, 2021 as provided by the Commonwealth. For other fiscal years, it is the fund balance at the end of the prior fiscal year (row 8). For example, the ending fund balance for FY 2022 becomes the beginning of the year fund balance for FY 2023. The premium shown on row 2 varies depending on the funding assumptions presented.

Row 3 represents transfers. Row 4 represents our projections of loss payments by fiscal year for all accident years combined. The program expenses (row 5) and administrative expenses (row 6) for 2022 through 2027 were provided by DHRM/OWC.

The anticipated investment income is presented as row 7. For FYs 2023 through 2027, this projection is based on the fund balance at the beginning of the year, assumed premium collections at the beginning of the year, loss and expense payments made evenly throughout the year, and an assumed rate of return. Per instructions from Department of Treasury, we use an annual rate of return of 2.78%.

The inflow of funds (i.e. premium and investment income) is added to the fund balance at the beginning of the year and projected outflows (i.e., loss payments, program expenses, administrative expenses, and transfers) are subtracted from this total to arrive at the projected end of year fund balance (row 8). For comparison purposes, our projected undiscounted and discounted reserves at the end of each fiscal year are presented in rows 9 and 10, respectively. The resulting fund positions are presented in rows 11 and 12 on an undiscounted and a discounted basis, respectively.

The two major components of the accounting projections are expected revenue (i.e., premium and investment income) and expected losses and expenses. The loss portion of the accounting projections is subject to actuarial analysis. The revenue portion is dependent upon the level of funding available from

¹ This was only done for the Pay As You Go scenario. This calculation can be performed for the other premium scenarios upon request. The total Pay As You Go premiums shown on Exhibits 2 and 3 are \$67.73 million and \$67.31 million, respectively due to the PTSD adjustment which is described on page 6.

² Column 3 equals the preliminary amounts from Exhibits 2 and 3 plus the PTSD adjustments from Exhibit 1E.

the Commonwealth. We provide accounting projections under various assumptions, as discussed above and in the following paragraphs.

Premium Scenarios

The premiums for 2022 and 2023 were provided by DHRM/OWC. For 2024 through 2027, the accounting projections are presented using the following six premium scenarios:

- Premium Based on Projected Cashflow
- Premium Based on Projected Cashflow Plus One Year's Cashflow
- Premium Based on Projection of Undiscounted Losses and Expenses
- Premium Based on Projection of Discounted Losses and Expenses
- Oliver Wyman Recommended Funding
- 2024 Premium Equal to 2023 Premium

Exhibit ACCT PROJ-1 shows the Cashflow, or Pay As You Go, projected premiums and fund balances. The Cashflow premiums represent our projections of loss and expense payments to be made during FYs 2024 through 2027. Exhibit ACCT PROJ-2 shows the "Cashflow Plus One Year's Cashflow" premium scenario. Under this scenario, the premium collected for FY 2024 is equal to the estimated loss and expense payments to be made (net of anticipated investment income) during FY 2024 plus the amount required so that the FY 2024 ending fund balance is equal to the FY 2025 cash flow.

Exhibit ACCT PROJ-3 shows the projected fund balances using the undiscounted actuarial premium estimates. The undiscounted actuarial premium estimates are the premium amounts required to pay the ultimate cost of claims anticipated to occur during FY 2024 through FY 2027 plus the program and administrative expenses in each of these years. Exhibit ACCT PROJ-4 shows the projected fund balances using the discounted actuarial premium estimates. This scenario considers the investment income that could be earned on the premium until the loss and expense payments come due if the premium funds were invested and yield a 2.78% annual rate of return.

The Oliver Wyman Recommended Funding amount assumes that the Commonwealth is committed to a fully funded program on an undiscounted basis. That is, we have assumed that the Commonwealth will make a non-recurring contribution in FY 2024 in an amount equal to the undiscounted fund deficiency as of June 30, 2023 plus the FY 2024 undiscounted expected ultimate losses and expenses. Each subsequent year's fully funded premium is equivalent to undiscounted expected ultimate losses plus all expenses of program operation. This can be seen in Exhibit ACCT PROJ-5.

Exhibit ACCT PROJ-6 shows the projected fund balances where 2024 premium equals 2023 premium and 2025 through 2027 premiums are based on estimated cash flows.

Please note that Virginia Commonwealth University Hospital Authority (VCUHA) is not submitting claims for accidents occurring on or after July 1, 2001. Therefore, the premium and loss payment estimates in the accounting projections do not include a provision for VCUHA losses occurring in FY 2002 and subsequent. The premium and loss payment estimates do include a provision for payments on any VCUHA claims with accident dates prior to July 1, 2001. The VCUHA premiums for FYs 2022 through 2025 were derived in Oliver Wyman's June 30, 2022 analysis of VCUHA's workers' compensation losses.

COVID-19

The long-term impact of the COVID-19 pandemic on workers compensation experience is uncertain. The unprecedented nature of the pandemic, the numerous potential impacts on claims experience, and the uncertainty associated with activities and actions intended to temper the impact (such as client specific actions or more general governmental interventions) increase the uncertainty underlying the estimates contained in this report. There are numerous known and unknown potential impacts. These include, but are not limited to, the following:

- Current and potential future changes to standards of compensability for workers compensation claims due to exposure to or illness from COVID-19.
- Current and potential future changes to the frequency and severity of all workers compensation claims.
- Exposure to employers liability claims.
- Changes to underlying exposure due to telecommuting or other operational changes implemented as a result of the pandemic. This includes both temporary changes and permanent changes.
- Lengthening of the claims process during the pandemic due to delays in medical treatment or delayed court activity.
- Reduced availability of transitional duty jobs.
- It is important to note that the experience modification factor calculations in this study have not been adjusted to reflect the varying impact of COVID-19 on individual agencies. For example, agencies that saw a reduction in workers compensation claims activity during the pandemic due to remote work will benefit from a lower experience modification factor while the pandemic years are in the experience period. The converse is true for any agencies that saw an increase in workers compensation claims activity during the pandemic.

Potential impacts of the pandemic are many and the above only represents a sample of anticipated effects. Legislation (HB 1985, SB 1375, and HB 2207) was implemented that established a presumption of workers' compensation compensability for COVID-19 for health care providers, firefighters, emergency medical services personnel, law enforcement officers, and correctional officers for qualifying events occurring on or after March 12, 2020. As of June 30, 2022, there have been 73 reported COVID-19 claims payments or reserves with a total incurred value of \$3.08 million. We will continue to monitor this activity closely. No explicit adjustments have been made in this report related to the COVID-19 claims or exposure.

PTSD Presumption

During 2020, legislation (HB 438) was implemented that established a presumption of workers' compensation compensability for Post Traumatic Stress Disorder (PTSD) for firefighters and law enforcement officers for qualifying events occurring on or after July 1, 2020. A separate analysis performed by Oliver Wyman estimated the FY 2021 cost impact of this new legislation to range from \$372 thousand to \$2.27 million. An initial cost impact of \$500 thousand was selected for accidents occurring during FY 2021.

Since the Commonwealth funds the workers' compensation program on a pay as you go basis, the premiums for FY 2024 need to include a provision for payments made during FY 2024 on PTSD claims

occurring in FY 2021, FY 2022, FY 2023, and FY 2024. The premiums for FY 2025 need to include a provision for payments made during FY 2025 on PTSD claims occurring in FYs 2021 through 2025. Using the selected \$500 thousand cost impact for accidents occurring during FY 2021, the estimated annual medical, indemnity and expense trends and payment patterns from our companion reserve analysis, we project PTSD related payments of \$188 thousand in FY 2024 and \$204 thousand in FY 2025. These amounts have been deducted from the preliminary overall allocated premiums shown on Exhibits 2 and 3 and added back to the specific impacted agencies on Exhibit 1E. Amounts by agency are calculated based on the agency employee counts by gender and age band.

2. DATA

For purposes of this report, DHRM/OWC and the Department of Planning and Budget provided the following information:

1. Payroll by agency for FY 2019-2022 and budgeted payroll by agency for FY 2023-2025.
2. Actual losses as of June 30, 2022, by agency, for accidents occurring in FY 2019-2021.
3. Actual charged premiums by agency for FY 2019-2023.
4. For each claim settled during FYs 2017 through 2022, DHRM provided the date of settlement, settlement amount, estimated future annual medical, indemnity and expense payments if the claim had not settled, and estimated number of future years of medical, indemnity and expense payments if the claim had not settled.

In addition, we relied on Virginia loss costs and experience rating plan values effective April 1, 2022 and established by the National Council on Compensation Insurance.

For the majority of the agencies, 2019, 2020, and 2021 payroll were distributed to workers' compensation class code using actual data for fiscal year 2019, fiscal year 2020, and fiscal year 2021, respectively. Payroll for 2024 and 2025 was distributed by class code based on actual data for fiscal year 2021 provided by the Department of Accounts.

For the following agencies, results of 2004 payroll audits were used to distribute payroll to workers' compensation class codes for FY 2019 through FY 2025.

<u>Agency Number</u>	<u>Agency Name</u>
204	The College of William & Mary
207	University of Virginia
208	Virginia Polytechnic Institute & State University
209	University of Virginia Medical Center
211	Virginia Military Institute
214	Longwood University
215	University of Mary Washington
216	James Madison University
221	Old Dominion University
236	Virginia Commonwealth University
246	University of Virginia at Wise
247	George Mason University
268	Virginia Institute of Marine Science

For the following agencies, updated payroll by class code was not available and therefore, consistent with instructions from DHRM/OWC for our prior report, we assumed all the payroll was allocated to class code 8810:

<u>Agency Number</u>	<u>Agency Name</u>
307	Virginia Agriculture Council
820	Capitol Square Preservation Council

834	Virginia Freedom of Information Advisory Council
839	Virginia Commission of Youth
842	Chesapeake Bay Commission
844	Joint Commission on Health
847	Comm. on Tech. & Sciences

Several agencies are using the payroll distributions of the agencies with which they were previously included. Agency 229 (VPI Cooperative Extension and Agricultural Experiment Station) is using the payroll distribution of agency 208 (Virginia Polytechnic Institute & State University). Agency 241 (Richard Bland College) is using the payroll distribution of agency 204 (The College of William & Mary). Agency 876 (Virginia Conflict of Interest and Ethics Advisory Council) is using the payroll distribution of agency 107 (Division of Legislative Services).

For agency 766 (Virginia Parole Board), we were instructed to reassign class code 7720 payroll to class code 8810. For agency 405 (Virginia Racing Commission), we were instructed to allocate payroll of class code 8833 to class code 9410 because the positions were incorrectly classified as class code 8833.

3. METHODOLOGY

STEP 1 Calculate FY 2024 Manual Premium

Manual Premium is equal to the product of payroll (in hundreds of dollars) and the National Council on Compensation Insurance (NCCI) loss cost per hundred dollars of payroll, by class code. The NCCI files advisory loss costs by class code which include a provision for statutory losses and loss adjustment expense. They do not include expense provisions for production, general expense, taxes, and profit and contingency allowance. We added a provision of 25% of premium for these expenses to allow comparison to premiums under a commercially-insured program. ***This provision for expenses was included for comparison purposes only; it does not constitute an opinion as to an appropriate expense ratio for the Commonwealth's self-insured program and does not affect the resulting allocation of premium to the Commonwealth's agencies.***

STEP 2 Calculate Experience Modification Factors

An experience modification factor is intended to capture the relationship between the loss potential of an individual insured relative to the average for the class of insureds. For example, if the loss experience of an insured in the last three years indicates losses 10% lower than the average for similar insureds, then we would assign an experience modification of 0.90 to that insured and apply that factor to their manual premium for the prospective years.

We have allocated premiums using the experience modification factor formula published by NCCI. The formula, as published, is:

$$\text{ExperienceModificationFactor} = M = \frac{A_p + [W \times A_e] + [(1 - W) \times E_e] + B}{E + B}$$

A represents the actual losses of the agency for accidents occurring in FY 2019-2021. E represents the expected losses for the same period according to the NCCI Experience Rating Plan. The weighting factor (W) and ballast value (B) vary with the size of the insured. These two values are the means by which the actuarial concept of credibility is reflected in the experience rating plan. Credibility is a means of assigning weight to the indication of a given body of information relative to another independent indication (in this case, an experience modification factor of 1.00), based on characteristics of the insured (such as size).

The subscripts indicate primary and excess losses, according to the definitions in the NCCI Experience Rating Plan Manual. Actual primary losses reflect claim frequency and include the first \$18,500 of each loss. Actual excess losses are obtained by subtracting the actual primary losses from the actual incurred losses, where the actual incurred losses are limited to \$291,000. In addition, as prescribed by NCCI, medical only losses are reduced by 70% in the experience modification factor calculation.

Our calculations differ slightly from strict application of the NCCI formula in two respects. First, the NCCI formula is intended to apply to pure loss (indemnity and medical) amounts only. We have included allocated loss adjustment expenses (i.e. expenses assigned to individual claims) with losses. However, the Commonwealth's allocated loss adjustment expenses are minimal and therefore we do not believe this issue is material. Second, the NCCI formula requires that single-claim accidents be limited to

\$291,000 and multiple-claim accidents be limited to a total of \$582,000. For simplicity in this analysis, we have limited each individual claim to \$291,000 without any multiple-claim accident limits.

New agencies are assigned an experience modification factor of 1.00. As experience for the new agency becomes available, the agency's experience modification factor will be based on its own experience.

STEP 3 Calculate FY 2024 and FY 2025 Estimated Commercial Premiums

The estimated commercial premium for each agency is equal to the manual premium, calculated in Step 1, multiplied by the experience modification factor calculated in Step 2. The sum of the agency estimated commercial premiums is shown at the bottom of column (8) (Exhibit 2 for FY 2024 and Exhibit 3 for FY 2025). It should be noted that the loss portion of the commercial premiums are derived using loss costs and an experience rating formula published by NCCI. If the Commonwealth were to seek a commercial insurance policy, they would be rated based on their own loss experience as opposed to this formulaic approach (which only uses the loss experience to a limited extent) and the resulting premium would be significantly different.

Agencies 147 and 162 were new agencies effective July 1, 2012; agency 913 was a new agency effective FY 2018; agencies 195 and 882 were new agencies effective FY 2022, and agencies 856 and 977 are new agencies effective FY 2023. Since the Commonwealth charges premiums on a pay as you go basis, the estimated commercial premiums for these agencies have been adjusted to only include a provision for payments on claims with accident dates of July 1, 2012 and subsequent for agencies 147 and 162; accident dates of July 1, 2017 and subsequent for agency 913; accident dates of July 1, 2021 and subsequent for agencies 195 and 882, and accident dates of July 1, 2022 and subsequent for agencies 856 and 977.

Column (8) of Exhibit 2 shows a statewide total FY 2024 estimated commercial premium of \$46,314,685. This is the sum of the estimated commercial premiums calculated for each agency; that is, each agency is assigned a credibility factor in calculating its own experience modification factor. Below the statewide total is a "Target" estimated commercial premium of \$45,473,902. This target premium was calculated for the Commonwealth as a whole; that is, one credibility factor is assigned to the Commonwealth as a whole and one experience modification factor is calculated for the Commonwealth as a whole. The two premiums differ due to the credibility of individual agencies versus the credibility for the Commonwealth as a whole. ***The "Target" estimated commercial premium is shown for illustrative purposes only; the allocation of the recommended premium is based on the premium calculations by agency.***

STEP 4 Adjusted FY 2024 and FY 2025 Estimated Commercial Premium

The FY 2024 and FY 2025 Adjusted Estimated Commercial Premiums are derived by applying uniform factors to the FY 2024 and FY 2025 Estimated Commercial Premiums of each agency so that the total Estimated Commercial Premiums equal the Statewide targets. Additionally, the adjusted Estimated Commercial Premium reflects nine months of loss cost trend for FY 2024 and twenty-one months of loss cost trend for FY 2025 between the average accident date underlying the NCCI loss costs and the average accident dates of FY 2024 and FY 2025.

STEP 5 Calculate Other Targets

There are three different total premium figures which are allocated in Exhibits 2 and 3. These represent the scenarios requested by DHRM/OWC. The scenarios, which are defined for FY 2024 only, are:

1. Indicated Undiscounted Actuarial Premium - the premium required to pay the ultimate cost of claims anticipated to occur during FY 2024 plus the FY 2024 program and administrative expenses.
It should be noted that the indicated actuarial premium does not include any provision to reduce the projected deficiency in the workers' compensation fund. In addition, the premium estimates contain no margin for potential adverse contingencies.
2. Pay As You Go (CashFlow) - our projection of loss and expense payments (net of anticipated investment income) to be made during FY 2024 on all accident years.
3. Pay As You Go (CashFlow) Plus One Year's Cashflow – the projection of loss and expense payments (net of anticipated investment income) to be made during FY 2024 plus the amount required so that the FY 2024 ending fund balance is equal to the estimated FY 2025 cash flow.

All of the above are based on our reserve analysis as of June 30, 2022.

STEP 6 Allocation

Each of the targets described above is allocated to the individual agencies in proportion to the Estimated FY 2024 and FY 2025 Adjusted Estimated Commercial Premium. Please refer to the Relevant Comments section of this report for a discussion of the treatment of the estimated cost of the PTSD presumption.

Key Assumptions

1. We used advisory loss costs and the experience rating plan filed by the National Council on Compensation Insurance (NCCI) in Virginia as the basis for our calculation of modified FY 2024 manual premium which in turn was used to allocate the overall premium. We are assuming that these rating values are appropriate for allocation purposes for the Commonwealth and its agencies.
2. We generally used the listing of agencies with payroll in FY 2024 and/or FY 2025 to allocate FY 2024 and FY 2025 costs. If there is an agency which does not appear in that listing but which should have been allocated a share of the costs for FY 2024 and FY 2025, we will need to revise our allocation.
3. For the majority of the agencies, 2019, 2020, and 2021 payroll were distributed to workers' compensation class code using actual data for fiscal year 2019, fiscal year 2020, and fiscal year 2021 provided by the Department of Accounts. Exceptions are documented in the Data section of this report.
4. We assumed an annual loss cost trend of approximately -4.6% in excess of payroll increases.
5. We included a provision of 25% of premium for production, general expense, taxes, and profit and contingency allowance in order to allow comparison to commercially-insured programs. We are not expressing any opinion as to the appropriateness of this expense ratio for the self-insured program of the Commonwealth. This assumption does not affect the allocation of premium.

4. DISTRIBUTION AND USE

Usage and Responsibility of Client – Oliver Wyman prepared this report for the sole use of the client named herein for the stated purpose. This report includes important considerations, assumptions, and limitations and, as a result, is intended to be read and used only as a whole. This report may not be separated into, or distributed, in parts other than by the client to whom this report was issued, as needed, in the case of distribution to such client’s directors, officers, or employees. All decisions in connection with the implementation or use of advice or recommendations contained in this report are the sole responsibility of the client named herein.

Third Party Reliance and Due Diligence – Oliver Wyman’s consent to any distribution of this report (whether herein or in the written agreement pursuant to which we issued this report) to parties other than of the client named herein does not constitute advice by Oliver Wyman to any such third parties. Any distribution to third parties shall be solely for informational purposes and not for purposes of reliance by any such parties. Oliver Wyman assumes no liability related to third party use of this report or any actions taken or decisions made as a consequence of the results, advice or recommendations set forth herein. This report should not replace the due diligence on behalf of any such third party

5. CONSIDERATIONS AND LIMITATIONS

Data Verification – For our analysis, we relied on data and information provided by the client named herein without independent audit. Though we have reviewed the data for reasonableness and consistency, we have not audited or otherwise verified this data. Our review of data may not always reveal imperfections. We have assumed that the data provided is both accurate and complete. The results of our analysis are dependent on this assumption. If this data or information is inaccurate or incomplete, our findings and conclusions might therefore be unreliable.

Prospective Policy / Accident Period Estimates – We estimated the prospective policy/accident period estimates developed in this analysis using estimated loss costs and the projected exposures. Prospective period loss and ALAE estimates are directly related to the projected exposures. Therefore, if actual exposures differ from the projection, we would need to adjust the prospective policy/accident period estimates accordingly.

Supplemental Data – Where historical data of the client named herein was either (i) not available, (ii) not appropriate or (iii) not sufficiently credible to develop our actuarial assumptions, we supplemented it with external information, as we deemed appropriate. Although we believe these external sources may be more predictive of future experience of the client named herein than any other data of which we are aware, the use of external data adds to the uncertainty associated with our projections.

Exclusion of Other Program Costs – The scope of the project does not include the estimation of any costs other than those described herein. Such ancillary costs may include unallocated loss adjustment expenses (ULAE); excess insurance premiums; the costs of trustee, legal, administrative, risk management and actuarial services; fees and assessments; and costs for surety bonds or letters of credit pertaining to claim liabilities.

Discounting – Discounted estimates are subject to additional uncertainty that results from the following:

- In addition to the risk of underestimating or overestimating the overall amount of the nominal unpaid loss and ALAE, there is the additional risk that the timing of the future payments will differ from the expected payout.
- There is the risk the actual future yield on the underlying assets (if any) will differ from the assumed yield rate used for determining present value factors.

We have not included any specific provision for this additional risk.

The client named herein provided the interest rate(s) used in this analysis. An assessment of the reasonableness of the interest rate assumption(s) is beyond the scope of our analysis. As a result, we express no opinion on the appropriateness of the interest rate(s) used in the discounting calculation.

Funding of Claim Payments – We have not examined any assets that may be supporting the liabilities, and have made no assumptions regarding the maturities and liquidity of these assets, should they exist. This examination is beyond the scope of our review.

Rounding and Accuracy – Our models may retain more digits than those displayed. Also, the results of certain calculations may be presented in the exhibits with more or fewer digits than would be considered significant. As a result, there may be rounding differences between the results of calculations presented in the exhibits and replications of those calculations based on displayed

underlying amounts. Also, calculation results may not have been adjusted to reflect the precision of the calculation.

Unanticipated Changes – We developed our conclusions based on an analysis of the data of the client named herein and on the estimation of the outcome of many contingent events. We developed our estimates from the historical claim experience and covered exposure, with adjustments for anticipated changes. Our estimates make no provision for extraordinary future emergence of new types of losses not sufficiently represented in historical databases or which are not yet quantifiable. Also, we assumed that the client named herein will remain a going concern, and we have not anticipated any impacts of potential insolvency, bankruptcy, or any similar event.

Internal / External Changes – The sources of uncertainty affecting our estimates are numerous and include factors internal and external to the client named herein. Internal factors include items such as changes in claim reserving or settlement practices. The most significant external influences include, but are not limited to, changes in the legal, social, or regulatory environment surrounding the claims process. Uncontrollable factors such as general economic conditions also contribute to the variability.

Uncertainty Inherent in Projections – While this analysis complies with applicable Actuarial Standards of Practice, users of this analysis should recognize that our projections involve estimates of future events and are subject to economic and statistical variations from expected values. We have not anticipated any extraordinary changes to the legal, social, or economic environment that might affect the frequency or severity of claims. For these reasons, we do not guarantee that the emergence of actual losses will correspond to the projections in this analysis.

COVID-19 Pandemic - We have included no explicit adjustments in this report for the effect of the COVID-19 pandemic on loss experience except as specifically noted in this report. The impact of this event on loss experience is highly uncertain and generally unquantifiable at this time.

6. ACKNOWLEDGEMENT OF QUALIFICATIONS

Jennifer Price is a Fellow of the Casualty Actuarial Society (FCAS) and Member of the American Academy of Actuaries (MAAA) and meets the Qualification Standards of the American Academy of Actuaries to provide the actuarial analysis contained herein.

William Arthur is a Fellow of the Casualty Actuarial Society (FCAS) and Member of the American Academy of Actuaries (MAAA) and meets the Qualification Standards of the American Academy of Actuaries to provide the actuarial analysis contained herein.

APPENDIX A. GLOSSARY

Accident Period

The period in which the event giving rise to a claim occurred, regardless of when the claim is actually reported.

Actuarial Central Estimate

An estimate that represents an expected value over the range of reasonably possible outcomes. Such range of reasonably possible outcomes may not include all conceivable outcomes.

Allocated Loss Adjustment Expense (ALAE)*

Expense costs associated with the handling and settling of an individual claim that can be directly attributed to the particular claim. Fees paid to outside defense attorneys and investigation firms are examples of this expense cost.

Case Reserves

The unpaid claim estimates established by adjusters on an individual claim basis.

Claim

A demand for payment under the coverage provided by a plan or contract. As used throughout this Glossary, it also includes suits, potentially compensable events, notifications, and unasserted claims.

Claim Frequency

The number of claims that occur over a period of time per unit of exposure.

Claim Reporting Pattern

The rate at which claims are assumed to be reported over time.

Claim Severity

The average cost per claim.

Coefficient of Variation

A statistical measure of dispersion. The coefficient of variation is calculated as the standard deviation of the random process divided by the expected value (mean).

Credibility

A measure of the predictive value of a body of data.

Development

The change between valuation dates in the observed values of certain fundamental quantities that may be used in the unpaid claim estimation process.

For example, the number of reported claims associated with events occurring within a particular period will change from one valuation date to the next until all claims have been reported. In a similar fashion, the paid claim amounts for events occurring within a particular period will change from one valuation date to the next until all claims have been reported and closed. The change in the number of reported

* Some terminology may not be appropriate for insurance companies.

claims or the change in the paid claim amounts is referred to as development. The concept of development also applies to reported incurred losses.

Estimated Ultimate Incurred Losses

The estimated cost of claims during a period. Ultimate incurred losses represent the total of paid claim amounts, case reserves, and IBNR.

Event

The incident or activity that triggers potential for claim or allocated claim adjustment expense payment.

Exposure

A measure of the underlying potential for claim costs.

IBNR

The unpaid claim estimate for: (a) events that have occurred for which claims have not been reported as of the accounting date, (b) future development of the case reserves, (c) claims that have been reported but not yet recorded in the loss listing, and (d) claims that have been closed but that will be reopened.

Loss

The cost associated with a claim. The cost may or may not include loss adjustment expenses.

Loss Adjustment Expenses

The costs of administering, determining coverage for, settling, or defending claims. Loss adjustment expenses include allocated loss adjustment expenses and unallocated loss adjustment expenses.

Loss Cost

The loss amount per exposure unit.

Method

The systematic procedure for developing an actuarial estimate.

Model

A mathematical or empirical representation of a specified phenomenon.

Occurrence Insurance Coverage

A policy that provides coverage for all claims arising from events that occur during the policy period, no matter when they are reported.

Occurrence Period

The period in which the event giving rise to a claim occurred, regardless of when the claim is actually reported.

Paid Losses

The total aggregate dollar amount paid on all reported claims as of a certain date.

Payment Pattern

The rate at which claims are paid over time.

Recorded Claim Reserve or Liability

The provision for unpaid claim amounts shown in a published financial statement or in an internal statement of financial condition.

Recorded Date

The date on which the claim is first entered in the statistical records of the insurer or claims administrator.

Report Date

The date on which the claim is first reported or recorded (in practice it is often taken to be the recorded date).

Report Period

The period in which a claim is reported, regardless of the time period in which the event occurred.

Reported Incurred Loss Amount

The total of paid claim amounts and case reserves.

Review Date

The date through which information is considered in the unpaid claim estimate analysis.

Salvage

Recoveries due to the sale of damaged or recovered property.

Subrogation

Recoveries from a third party responsible for the event for which a claim has already been paid.

Unallocated Loss Adjustment Expense (ULAE)*

Loss adjustment expenses that cannot be attributed to an individual claim. Typically includes salaries, utilities, and rent apportioned to the claim adjustment expense function but not readily assignable to specific claims.

Undiscounted Unpaid Loss Estimate

The unpaid loss estimate presented on a basis that does not reflect the time value of money.

Unpaid Loss Estimate

The estimate of the obligation for future payments resulting from losses due to past events.

Valuation Date

The date through which transactions are included in the data used in the unpaid claim estimate analysis.

* Some terminology may not be appropriate for insurance companies.

Exhibits

**COMMONWEALTH OF VIRGINIA
WORKERS' COMPENSATION
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**FISCAL YEARS 2024 AND 2025 PREMIUMS
PERCENTAGE CHANGE FROM FISCAL YEAR 2023 PREMIUM**

**EXPERIENCE MODIFICATION FACTORS BASED ON NCCI FORMULA AND NO CAPPING OF INDIVIDUAL AGENCY PREMIUMS
(INCLUDES IMPACT OF PAYROLL GROWTH)**

Agency Code	Agency Name	FY 2023 Actual Premium	Projected Pay As You Go Premiums		Percent Changes	
			FY 2024	FY 2025	FY 2023 to FY 2024	FY 2024 to FY 2025
			(4a)	(4b)	(5a)	(5b)
100	Senate of Virginia	10,925	9,321	9,261	-14.7%	-0.6%
101	Virginia House of Delegates	14,639	13,876	13,786	-5.2%	-0.6%
103	Magistrate System	22,953	28,337	28,153	23.5%	-0.6%
107	Division of Legislative Services	8,261	7,362	7,314	-10.9%	-0.6%
109	Division of Legislative Automated Systems	2,343	1,950	1,937	-16.8%	-0.6%
110	Joint Legislative Audit and Review Commission	3,748	3,163	3,143	-15.6%	-0.6%
111	Supreme Court of Virginia	38,800	39,352	39,096	1.4%	-0.6%
112	Judicial Inquiry and Review Commission	580	439	436	-24.3%	-0.6%
113	Circuit Courts	33,680	27,947	27,766	-17.0%	-0.6%
114	General District Courts	82,585	65,427	65,003	-20.8%	-0.6%
115	Juvenile and Domestic Relations District Courts	56,259	38,299	38,050	-31.9%	-0.6%
116	Combined District Courts	8,396	7,000	6,954	-16.6%	-0.6%
117	Virginia State Bar	9,207	7,490	7,442	-18.6%	-0.6%
119	Lieutenant Governor	242	213	212	-11.9%	-0.6%
121	Office of the Governor	4,277	3,925	3,900	-8.2%	-0.6%
122	Department of Planning and Budget	4,902	4,269	4,242	-12.9%	-0.6%
123	Department of Military Affairs	578,094	369,907	367,546	-36.0%	-0.6%
125	Court of Appeals of Virginia	20,258	9,635	9,572	-52.4%	-0.6%
127	Department of Emergency Management	25,404	18,208	18,119	-28.3%	-0.5%
129	Department of Human Resource Management	17,477	15,738	15,636	-10.0%	-0.6%
132	Department of Elections	9,511	7,978	7,927	-16.1%	-0.6%
133	Auditor of Public Accounts	6,297	4,994	4,962	-20.7%	-0.6%
136	Virginia Information Technologies Agency	35,050	37,668	37,423	7.5%	-0.6%
140	Department of Criminal Justice Services	17,221	17,078	16,967	-0.8%	-0.6%
141	Attorney General and Department of Law	35,008	34,986	34,759	-0.1%	-0.6%
146	The Science Museum of Virginia	11,751	12,185	12,106	3.7%	-0.6%
147	Office of the State Inspector General	4,446	4,574	4,660	2.9%	1.9%
148	Virginia Commission for the Arts	470	357	355	-24.0%	-0.6%
151	Department of Accounts	14,671	12,459	12,378	-15.1%	-0.6%
152	Department of the Treasury	9,890	9,640	9,578	-2.5%	-0.6%
154	Department of Motor Vehicles	359,301	287,079	285,113	-20.1%	-0.7%
156	Department of State Police	7,740,252	6,453,347	6,462,847	-16.6%	0.1%
157	Compensation Board	1,366	1,106	1,099	-19.0%	-0.6%
158	Virginia Retirement System	36,652	30,823	30,623	-15.9%	-0.6%
160	Virginia Criminal Sentencing Commission	943	751	746	-20.3%	-0.6%
161	Department of Taxation	67,377	64,193	63,777	-4.7%	-0.6%
162	Department of Accounts Transfer Payments	98	97	98	-0.7%	1.6%
165	Department of Housing and Community Development	11,343	11,762	11,686	3.7%	-0.6%
166	Secretary of the Commonwealth	1,601	1,444	1,434	-9.8%	-0.6%
171	State Corporation Commission	106,596	88,035	87,464	-17.4%	-0.6%
172	Virginia Lottery	58,340	36,634	36,396	-37.2%	-0.6%
174	Virginia College Savings Plan	12,538	10,749	10,679	-14.3%	-0.6%
180	Secretary of Administration	1,758	1,414	1,405	-19.6%	-0.6%
181	Department of Labor and Industry	49,790	45,780	45,483	-8.1%	-0.6%
182	Virginia Employment Commission	47,313	26,460	26,090	-44.1%	-1.4%
183	Secretary of Natural Resources	638	435	432	-31.9%	-0.6%
185	Secretary of Education	620	494	491	-20.3%	-0.6%
186	Secretary of Transportation	710	567	564	-20.1%	-0.6%
187	Secretary of Public Safety and Homeland Security	725	611	607	-15.6%	-0.6%
188	Secretary of Health and Human Resources	503	370	367	-26.5%	-0.6%
190	Secretary of Finance	689	573	570	-16.8%	-0.6%
191	Virginia Workers' Compensation Commission	56,403	44,222	43,935	-21.6%	-0.6%
192	Secretary of Commerce and Trade	646	518	515	-19.8%	-0.6%
193	Secretary of Agriculture and Forestry	419	312	310	-25.5%	-0.6%
194	Department of General Services	325,822	224,436	222,980	-31.1%	-0.6%
195	Secretary of Labor	162	161	187	-0.6%	15.8%
199	Department of Conservation and Recreation	528,802	481,639	480,159	-8.9%	-0.3%
200	Childrens Services	1,414	1,233	1,225	-12.8%	-0.6%
201	Department of Education, Central Office Operations	67,807	54,692	54,344	-19.3%	-0.6%
202	The Library of Virginia	12,191	8,395	8,340	-31.1%	-0.6%
203	Wilson Workforce and Rehabilitation Center	91,367	67,322	66,885	-26.3%	-0.6%
204	The College of William and Mary In Virginia	648,912	640,708	636,554	-1.3%	-0.6%
207	University of Virginia	3,314,999	3,342,013	3,348,344	0.8%	0.2%
208	Virginia Polytechnic Institute and State University	2,793,006	2,481,474	2,491,136	-11.2%	0.4%
209	University of Virginia Medical Center	4,773,114	4,936,747	4,950,347	3.4%	0.3%
211	Virginia Military Institute	260,184	234,427	232,880	-9.9%	-0.7%
212	Virginia State University	164,822	126,154	125,424	-23.5%	-0.6%
213	Norfolk State University	442,213	245,915	244,062	-44.4%	-0.8%
214	Longwood University	397,388	386,570	396,412	-2.7%	2.5%
215	University of Mary Washington	397,375	235,840	236,687	-40.7%	0.4%
216	James Madison University	1,733,409	1,135,733	1,130,474	-34.5%	-0.5%
217	Radford University	468,393	351,770	349,608	-24.9%	-0.6%
218	Virginia School for the Deaf and the Blind	92,890	69,056	68,607	-25.7%	-0.6%
221	Old Dominion University	737,350	716,279	711,808	-2.9%	-0.6%
222	Department of Professional and Occupational Regulation	12,398	10,564	10,495	-14.8%	-0.6%
223	Department of Health Professions	54,516	59,001	58,618	8.2%	-0.6%
226	Board of Accountancy	1,110	926	920	-16.6%	-0.6%
229	VPI Cooperative Extension and Agricultural Experiment Station	242,491	214,744	213,350	-11.4%	-0.6%

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(INCLUDES IMPACT OF PAYROLL GROWTH)**

Agency Code (1)	Agency Name (2)	FY 2023 Actual Premium (3)	Projected Pay As You Go Premiums		Percent Changes	
			FY 2024	FY 2025	FY 2023 to FY 2024	FY 2024 to FY 2025
			(4a)	(4b)	(5a)	(5b)
233	Board of Bar Examiners	893	734	729	-17.8%	-0.6%
234	VSU Cooperative Extension and Agricultural Research Services	19,769	18,010	17,893	-8.9%	-0.6%
236	Virginia Commonwealth University	1,945,711	1,451,145	1,441,821	-25.4%	-0.6%
238	Virginia Museum of Fine Arts	126,588	134,225	133,427	6.0%	-0.6%
239	Frontier Culture Museum of Virginia	4,484	3,351	3,329	-25.3%	-0.6%
241	Richard Bland College	60,374	54,146	53,806	-10.3%	-0.6%
242	Christopher Newport University	442,990	376,335	373,845	-15.0%	-0.7%
245	State Council of Higher Education for Virginia	5,224	4,355	4,327	-16.6%	-0.6%
246	University of Virginia's College at Wise	147,744	119,113	118,340	-19.4%	-0.6%
247	George Mason University	1,232,084	1,145,208	1,146,465	-7.1%	0.1%
260	Virginia Community College System	1,702,988	1,244,507	1,241,396	-26.9%	-0.2%
262	Department for Aging and Rehabilitative Services	114,831	69,702	69,271	-39.3%	-0.6%
263	Virginia Rehabilitation Center for the Blind and Vision Impaired	3,665	3,803	3,778	3.8%	-0.6%
268	Virginia Institute of Marine Science	174,011	148,134	147,173	-14.9%	-0.6%
301	Department of Agriculture and Consumer Services	346,228	253,680	252,033	-26.7%	-0.6%
307	Virginia Agricultural Council	0	0	0	N/A	N/A
309	Virginia Innovation Partnership Authority	0	0	0	N/A	N/A
330	Virginia-Israel Advisory Board	158	127	127	-19.3%	-0.6%
350	Department of Small Business and Supplier Diversity	3,925	3,812	3,787	-2.9%	-0.6%
402	Marine Resources Commission	136,342	141,751	140,864	4.0%	-0.6%
403	Department of Wildlife Resources	711,938	677,037	672,751	-4.9%	-0.6%
405	Virginia Racing Commission	1,013	779	774	-23.1%	-0.6%
409	Department of Mines, Minerals and Energy	185,188	210,726	209,346	13.8%	-0.7%
411	Department of Forestry	290,956	267,209	265,475	-8.2%	-0.6%
413	Commission on the Virginia Alcohol Safety Action Program	2,824	2,390	2,375	-15.3%	-0.6%
417	Gunston Hall	2,241	2,742	2,724	22.4%	-0.6%
423	Department of Historic Resources	11,130	10,376	10,309	-6.8%	-0.6%
425	Jamestown-Yorktown Foundation	136,024	160,460	159,422	18.0%	-0.6%
440	Department of Environmental Quality	576,530	491,918	488,726	-14.7%	-0.6%
454	Secretary of Veterans and Defense Affairs	841	558	555	-33.6%	-0.6%
501	Department of Transportation	11,575,442	9,233,097	9,249,729	-20.2%	0.2%
505	Department of Rail and Public Transportation	7,736	5,856	5,818	-24.3%	-0.6%
506	Motor Vehicle Dealer Board	3,480	2,982	2,963	-14.3%	-0.6%
601	Department of Health	1,686,325	1,177,075	1,190,232	-30.2%	1.1%
602	Department of Medical Assistance Services	62,272	62,614	62,207	0.5%	-0.6%
606	Virginia Board for People with Disabilities	943	758	753	-19.6%	-0.6%
702	Department for the Blind and Vision Impaired	75,312	82,164	81,631	9.1%	-0.6%
720	Department of Behavioral Health and Developmental Services	89,008	79,727	79,351	-10.4%	-0.5%
751	Department for the Deaf and Hard-of-Hearing	745	576	572	-22.7%	-0.6%
765	Department of Social Services	93,932	80,685	80,161	-14.1%	-0.6%
766	Virginia Parole Board	2,115	2,156	2,142	1.9%	-0.6%
777	Department of Juvenile Justice	2,151,646	1,607,623	1,601,356	-25.3%	-0.4%
778	Department of Forensic Science	231,161	198,134	196,848	-14.3%	-0.6%
792	Mental Health Treatment Centers	8,315,783	7,637,251	7,720,698	-8.2%	1.1%
793	Intellectual Disabilities Training Centers	587,882	834,124	843,933	41.9%	1.2%
794	Virginia Center for Behavioral Rehabilitation	822,080	650,785	646,550	-20.8%	-0.7%
799	Department of Corrections	9,944,202	8,925,046	8,961,705	-10.2%	0.4%
820	Capitol Square Preservation Council	125	101	100	-19.3%	-0.6%
834	Virginia Freedom of Information Advisory Council	194	166	165	-14.6%	-0.6%
839	Virginia Commission on Youth	292	253	251	-13.4%	-0.6%
841	Department of Aviation	36,956	22,218	22,074	-39.9%	-0.6%
842	Chesapeake Bay Commission	122	100	99	-18.2%	-0.6%
844	Joint Commission on Health Care	500	513	510	2.7%	-0.6%
847	Joint Commission on Technology and Science	192	66	65	-65.8%	-0.6%
848	Indigent Defense Commission	55,075	31,540	31,328	-42.7%	-0.7%
856	Opioid Abatement Authority	0	80	99	N/A	23.8%
876	Virginia Conflict of Interest and Ethics Advisory Council	393	338	336	-13.9%	-0.6%
882	Behavioral Health Commission	81	142	165	75.5%	15.8%
912	Department of Veterans Services	846,941	497,400	548,367	-41.3%	10.2%
913	Veterans Service Foundation	58	79	83	34.8%	5.6%
937	Southern Virginia Higher Education Center	2,702	2,624	2,607	-2.9%	-0.6%
938	New College Institute	1,630	1,319	1,311	-19.1%	-0.6%
942	Virginia Museum of Natural History	1,987	1,730	1,719	-12.9%	-0.6%
948	Southwest Virginia Higher Education Center	7,968	6,216	6,176	-22.0%	-0.6%
957	Commonwealth's Attorneys' Services Council	737	614	610	-16.8%	-0.6%
960	Department of Fire Programs	142,470	111,696	111,001	-21.6%	-0.6%
961	Division of Capitol Police	110,929	124,355	123,551	12.1%	-0.6%
977	Virginia Cannabis Control Authority	0	579	717	N/A	23.8%
980	In-State Undergraduate Tuition Moderation	0	0	0	N/A	N/A
999	Virginia Alcoholic Beverage Control Authority	1,730,637	1,390,193	1,381,262	-19.7%	-0.6%
	Statewide Total	74,182,847	63,716,657	63,885,371	-14.1%	0.3%

Note: The premiums in column (4) do not include settlement reimbursements.

**COMMONWEALTH OF VIRGINIA
WORKERS' COMPENSATION
SELF INSURANCE FUND**

**FISCAL YEARS 2024 AND 2025 PREMIUMS
EXPERIENCE MODIFICATION FACTOR BASED ON NCCI FORMULA AND NO CAPPING OF INDIVIDUAL AGENCY PREMIUMS**

FY 2025 PAY-AS-YOU-GO RATE CHANGE FOR AGENCIES 147, 162, 195, 856, 882, 913, and 977 SET EQUAL TO THE STATEWIDE TOTAL CHANGE OF OTHER AGENCIES

Agency Code	Agency Name	FY 2023 Actual Premium	FY 2023 Experience Modification Factor	Projected Pay As You Go Premium FY 2024	FY 2024 Experience Modification Factor	FY 2024 to FY 2025 Percent Rate Change	Projected Pay As You Go Premium FY 2025
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
100	Senate of Virginia	10,925	0.90	9,321	0.90	-0.6%	9,261
101	Virginia House of Delegates	14,639	0.86	13,876	0.86	-0.6%	13,786
103	Magistrate System	22,953	1.18	28,337	1.18	-0.6%	28,153
107	Division of Legislative Services	8,261	1.38	7,362	1.38	-0.6%	7,314
109	Division of Legislative Automated Systems	2,343	0.97	1,950	0.97	-0.6%	1,937
110	Joint Legislative Audit and Review Commission	3,748	0.96	3,163	0.96	-0.6%	3,143
111	Supreme Court of Virginia	38,800	1.43	39,352	1.43	-0.6%	39,096
112	Judicial Inquiry and Review Commission	580	0.99	439	0.99	-0.6%	436
113	Circuit Courts	33,680	0.82	27,947	0.82	-0.6%	27,766
114	General District Courts	82,585	1.02	65,427	1.02	-0.6%	65,003
115	Juvenile and Domestic Relations District Courts	56,259	0.81	38,299	0.81	-0.6%	38,050
116	Combined District Courts	8,396	1.00	7,000	1.00	-0.6%	6,954
117	Virginia State Bar	9,207	0.92	7,490	0.92	-0.6%	7,442
119	Lieutenant Governor	242	1.00	213	1.00	-0.6%	212
121	Office of the Governor	4,277	0.95	3,925	0.95	-0.6%	3,900
122	Department of Planning and Budget	4,902	0.95	4,269	0.95	-0.6%	4,242
123	Department of Military Affairs	578,094	1.10	369,907	1.10	-0.6%	367,546
125	Court of Appeals of Virginia	20,258	0.94	9,635	0.94	-0.6%	9,572
127	Department of Emergency Management	25,404	0.91	18,208	0.91	-0.5%	18,119
129	Department of Human Resource Management	17,477	1.44	15,738	1.44	-0.6%	15,636
132	Department of Elections	9,511	1.61	7,978	1.61	-0.6%	7,927
133	Auditor of Public Accounts	6,297	0.97	4,994	0.97	-0.6%	4,962
136	Virginia Information Technologies Agency	35,050	1.46	37,668	1.46	-0.6%	37,423
140	Department of Criminal Justice Services	17,221	1.41	17,078	1.41	-0.6%	16,967
141	Attorney General and Department of Law	35,008	0.86	34,986	0.86	-0.6%	34,759
146	The Science Museum of Virginia	11,751	0.90	12,185	0.90	-0.6%	12,106
147	Office of the State Inspector General	4,446	0.93	4,574	0.93	0.3%	4,586
148	Virginia Commission for the Arts	470	0.99	357	0.99	-0.6%	355
151	Department of Accounts	14,671	0.87	12,459	0.87	-0.6%	12,378
152	Department of the Treasury	9,890	1.05	9,640	1.05	-0.6%	9,578
154	Department of Motor Vehicles	359,301	1.38	287,079	1.38	-0.7%	285,113
156	Department of State Police	7,740,252	1.55	6,453,347	1.55	0.1%	6,462,847
157	Compensation Board	1,366	0.99	1,106	0.99	-0.6%	1,099
158	Virginia Retirement System	36,652	0.79	30,823	0.79	-0.6%	30,623
160	Virginia Criminal Sentencing Commission	943	0.99	751	0.99	-0.6%	746
161	Department of Taxation	67,377	1.23	64,193	1.23	-0.6%	63,777
162	Department of Accounts Transfer Payments	98	1.00	97	1.00	0.3%	97
165	Department of Housing and Community Development	11,343	0.96	11,762	0.96	-0.6%	11,686
166	Secretary of the Commonwealth	1,601	0.99	1,444	0.99	-0.6%	1,434
171	State Corporation Commission	106,596	0.67	88,035	0.67	-0.6%	87,464
172	Virginia Lottery	58,340	1.24	36,634	1.24	-0.6%	36,396
174	Virginia College Savings Plan	12,538	0.89	10,749	0.89	-0.6%	10,679
180	Secretary of Administration	1,758	0.98	1,414	0.98	-0.6%	1,405
181	Department of Labor and Industry	49,790	0.95	45,780	0.95	-0.6%	45,483
182	Virginia Employment Commission	47,313	0.85	26,460	0.85	-1.4%	26,090
183	Secretary of Natural Resources	638	0.99	435	0.99	-0.6%	432
185	Secretary of Education	620	0.99	494	0.99	-0.6%	491
186	Secretary of Transportation	710	0.99	567	0.99	-0.6%	564
187	Secretary of Public Safety and Homeland Security	725	0.99	611	0.99	-0.6%	607
188	Secretary of Health and Human Resources	503	0.99	370	0.99	-0.6%	367
190	Secretary of Finance	689	0.99	573	0.99	-0.6%	570
191	Virginia Workers' Compensation Commission	56,403	0.74	44,222	0.74	-0.6%	43,935
192	Secretary of Commerce and Trade	646	0.99	518	0.99	-0.6%	515
193	Secretary of Agriculture and Forestry	419	1.00	312	1.00	-0.6%	310
194	Department of General Services	325,822	0.79	224,436	0.79	-0.6%	222,980
195	Secretary of Labor	162	1.00	161	1.00	0.3%	162
199	Department of Conservation and Recreation	528,802	0.79	481,639	0.79	-0.3%	480,159
200	Childrens Services	1,414	0.98	1,233	0.98	-0.6%	1,225
201	Department of Education, Central Office Operations	67,807	1.21	54,692	1.21	-0.6%	54,344
202	The Library of Virginia	12,191	0.94	8,395	0.94	-0.6%	8,340
203	Wilson Workforce and Rehabilitation Center	91,367	0.72	67,322	0.72	-0.6%	66,885
204	The College of William and Mary In Virginia	648,912	0.63	640,708	0.63	-0.6%	636,554
207	University of Virginia	3,314,999	0.83	3,342,013	0.83	0.2%	3,348,344
208	Virginia Polytechnic Institute and State University	2,793,006	0.63	2,481,474	0.63	0.4%	2,491,136
209	University of Virginia Medical Center	4,773,114	0.97	4,936,747	0.97	0.3%	4,950,347
211	Virginia Military Institute	260,184	0.90	234,427	0.90	-0.7%	232,880
212	Virginia State University	164,822	0.63	126,154	0.63	-0.6%	125,424
213	Norfolk State University	442,213	0.99	245,915	0.99	-0.8%	244,062
214	Longwood University	397,388	1.14	386,570	1.14	2.5%	396,412
215	University of Mary Washington	397,375	0.84	235,840	0.84	0.4%	236,687
216	James Madison University	1,733,409	0.77	1,135,733	0.77	-0.5%	1,130,474
217	Radford University	468,393	0.57	351,770	0.57	-0.6%	349,608
218	Virginia School for the Deaf and the Blind	92,890	1.19	69,056	1.19	-0.6%	68,607
221	Old Dominion University	737,350	0.56	716,279	0.56	-0.6%	711,808
222	Department of Professional and Occupational Regulation	12,398	0.88	10,564	0.88	-0.6%	10,495
223	Department of Health Professions	54,516	1.33	59,001	1.33	-0.6%	58,618
226	Board of Accountancy	1,110	0.99	926	0.99	-0.6%	920
229	VPI Cooperative Extension and Agricultural Experiment Station	242,491	0.65	214,744	0.65	-0.6%	213,350

**COMMONWEALTH OF VIRGINIA
WORKERS' COMPENSATION
SELF INSURANCE FUND**

**FISCAL YEARS 2024 AND 2025 PREMIUMS
EXPERIENCE MODIFICATION FACTOR BASED ON NCCI FORMULA AND NO CAPPING OF INDIVIDUAL AGENCY PREMIUMS**

FY 2025 PAY-AS-YOU-GO RATE CHANGE FOR AGENCIES 147, 162, 195, 856, 882, 913, and 977 SET EQUAL TO THE STATEWIDE TOTAL CHANGE OF OTHER AGENCIES

Agency Code	Agency Name	FY 2023 Actual Premium	FY 2023 Experience Modification Factor	Projected Pay As You Go Premium FY 2024	FY 2024 Experience Modification Factor	FY 2024 to FY 2025 Percent Rate Change	Projected Pay As You Go Premium FY 2025
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
233	Board of Bar Examiners	893	0.99	734	0.99	-0.6%	729
234	VSU Cooperative Extension and Agricultural Research Services	19,769	0.81	18,010	0.81	-0.6%	17,893
236	Virginia Commonwealth University	1,945,711	0.56	1,451,145	0.56	-0.6%	1,441,821
238	Virginia Museum of Fine Arts	126,588	0.85	134,225	0.85	-0.6%	133,427
239	Frontier Culture Museum of Virginia	4,484	1.01	3,351	1.01	-0.6%	3,329
241	Richard Bland College	60,374	1.02	54,146	1.02	-0.6%	53,806
242	Christopher Newport University	442,990	0.69	376,335	0.69	-0.7%	373,845
245	State Council of Higher Education for Virginia	5,224	0.94	4,355	0.94	-0.6%	4,327
246	University of Virginia's College at Wise	147,744	0.97	119,113	0.97	-0.6%	118,340
247	George Mason University	1,232,084	0.48	1,145,208	0.48	-0.1%	1,146,465
260	Virginia Community College System	1,702,988	0.70	1,244,507	0.70	-0.2%	1,241,396
262	Department for Aging and Rehabilitative Services	114,831	0.85	69,702	0.85	-0.6%	69,271
263	Virginia Rehabilitation Center for the Blind and Vision Impaired	3,665	0.95	3,803	0.95	-0.6%	3,778
268	Virginia Institute of Marine Science	174,011	0.67	148,134	0.67	-0.6%	147,173
301	Department of Agriculture and Consumer Services	346,228	0.74	253,680	0.74	-0.6%	252,033
307	Virginia Agricultural Council	0	1.00	0	1.00	N/A	N/A
309	Virginia Innovation Partnership Authority	0	1.00	0	1.00	N/A	N/A
330	Virginia-Israel Advisory Board	158	1.00	127	1.00	-0.6%	127
350	Department of Small Business and Supplier Diversity	3,925	1.04	3,812	1.04	-0.6%	3,787
402	Marine Resources Commission	136,342	0.93	141,751	0.93	-0.6%	140,864
403	Department of Wildlife Resources	711,938	1.95	677,037	1.95	-0.6%	672,751
405	Virginia Racing Commission	1,013	0.99	779	0.99	-0.6%	774
409	Department of Mines, Minerals and Energy	185,188	1.04	210,726	1.04	-0.7%	209,346
411	Department of Forestry	290,956	1.22	267,209	1.22	-0.6%	265,475
413	Commission on the Virginia Alcohol Safety Action Program	2,824	0.97	2,390	0.97	-0.6%	2,375
417	Gunston Hall	2,241	0.97	2,742	0.97	-0.6%	2,724
423	Department of Historic Resources	11,130	1.39	10,376	1.39	-0.6%	10,309
425	Jamestown-Yorktown Foundation	136,024	1.22	160,460	1.22	-0.6%	159,422
440	Department of Environmental Quality	576,530	0.50	491,918	0.50	-0.6%	488,726
454	Secretary of Veterans and Defense Affairs	841	0.99	558	0.99	-0.6%	555
501	Department of Transportation	11,575,442	0.59	9,233,097	0.59	0.2%	9,249,729
505	Department of Rail and Public Transportation	7,736	0.94	5,856	0.94	-0.6%	5,818
506	Motor Vehicle Dealer Board	3,480	0.98	2,982	0.98	-0.6%	2,963
601	Department of Health	1,686,325	0.62	1,177,075	0.62	-1.1%	1,190,232
602	Department of Medical Assistance Services	62,272	1.21	62,614	1.21	-0.6%	62,207
606	Virginia Board for People with Disabilities	943	0.99	758	0.99	-0.6%	753
702	Department for the Blind and Vision Impaired	75,312	1.15	82,164	1.15	-0.6%	81,631
720	Department of Behavioral Health and Developmental Services	89,008	1.35	79,727	1.35	-0.5%	79,351
751	Department for the Deaf and Hard-of-Hearing	745	0.99	576	0.99	-0.6%	572
765	Department of Social Services	93,932	0.73	80,685	0.73	-0.6%	80,161
766	Virginia Parole Board	2,115	0.99	2,156	0.99	-0.6%	2,142
777	Department of Juvenile Justice	2,151,646	1.39	1,607,623	1.39	-0.4%	1,601,356
778	Department of Forensic Science	231,161	0.96	198,134	0.96	-0.6%	196,848
792	Mental Health Treatment Centers	8,315,783	1.82	7,637,251	1.82	-1.1%	7,720,698
793	Intellectual Disabilities Training Centers	587,882	1.54	834,124	1.54	1.2%	843,933
794	Virginia Center for Behavioral Rehabilitation	822,080	1.00	650,785	1.00	-0.7%	646,550
799	Department of Corrections	9,944,202	0.99	8,925,046	0.99	0.4%	8,961,705
820	Capitol Square Preservation Council	125	1.00	101	1.00	-0.6%	100
834	Virginia Freedom of Information Advisory Council	194	1.00	166	1.00	-0.6%	165
839	Virginia Commission on Youth	292	1.00	253	1.00	-0.6%	251
841	Department of Aviation	36,956	0.85	22,218	0.85	-0.6%	22,074
842	Chesapeake Bay Commission	122	1.00	100	1.00	-0.6%	99
844	Joint Commission on Health Care	500	0.99	513	0.99	-0.6%	510
847	Joint Commission on Technology and Science	192	1.00	66	1.00	-0.6%	65
848	Indigent Defense Commission	55,075	0.80	31,540	0.80	-0.7%	31,328
856	Opioid Abatement Authority	0	1.00	80	1.00	0.3%	80
876	Virginia Conflict of Interest and Ethics Advisory Council	393	1.00	338	1.00	-0.6%	336
882	Behavioral Health Commission	81	1.00	142	1.00	0.3%	142
912	Department of Veterans Services	846,941	1.06	497,400	1.06	10.2%	548,367
913	Veterans Service Foundation	58	1.00	79	1.00	0.3%	79
937	Southern Virginia Higher Education Center	2,702	0.97	2,624	0.97	-0.6%	2,607
938	New College Institute	1,630	0.98	1,319	0.98	-0.6%	1,311
942	Virginia Museum of Natural History	1,987	1.03	1,730	1.03	-0.6%	1,719
948	Southwest Virginia Higher Education Center	7,968	0.91	6,216	0.91	-0.6%	6,176
957	Commonwealth's Attorneys' Services Council	737	0.99	614	0.99	-0.6%	610
960	Department of Fire Programs	142,470	0.93	111,696	0.93	-0.6%	111,001
961	Division of Capitol Police	110,929	0.90	124,355	0.90	-0.6%	123,551
977	Virginia Cannabis Control Authority	0	1.00	579	1.00	0.3%	581
980	In-State Undergraduate Tuition Moderation	0	1.00	0	1.00	N/A	N/A
999	Virginia Alcoholic Beverage Control Authority	1,730,637	0.91	1,390,193	0.91	-0.6%	1,381,262
	Statewide Total	74,182,847	0.87	63,716,657	0.87	0.3%	63,885,090

Note: At the direction of DHRM/WCS, the Pay-As-You-Go rate change for agencies 147, 162, 195, 882, and 913 was set equal to the statewide total change for all other agencies. The premiums in columns (5) and (8) do not include settlement reimbursements.

**COMMONWEALTH OF VIRGINIA
WORKERS' COMPENSATION
SELF INSURANCE FUND**

**FISCAL YEAR 2024 PREMIUMS
SETTLEMENT REIMBURSEMENT AMOUNTS AND FINAL PREMIUMS INCLUDING COST AVOIDANCE CREDITS**

Agency Code	Agency Name	Preliminary Allocated Premium Pay As You Go FY 2024	FY 2024 Credit for Cost Avoidance	Final Allocated Premium Pay As You Go FY 2024	FY 2024 Settlement Reimbursement	FY 2024 Final Premium Plus Settlement Reimbursement
(1)	(2)	(3)	(4)	(5)	(6)	(7)
100	Senate of Virginia	9,321	0	9,321	0	9,321
101	Virginia House of Delegates	13,876	0	13,876	0	13,876
103	Magistrate System	28,337	0	28,337	0	28,337
107	Division of Legislative Services	7,362	0	7,362	0	7,362
109	Division of Legislative Automated Systems	1,950	0	1,950	0	1,950
110	Joint Legislative Audit and Review Commission	3,163	0	3,163	0	3,163
111	Supreme Court of Virginia	39,352	0	39,352	0	39,352
112	Judicial Inquiry and Review Commission	439	0	439	0	439
113	Circuit Courts	27,947	0	27,947	0	27,947
114	General District Courts	65,427	0	65,427	0	65,427
115	Juvenile and Domestic Relations District Courts	38,299	0	38,299	0	38,299
116	Combined District Courts	7,000	0	7,000	0	7,000
117	Virginia State Bar	7,490	0	7,490	0	7,490
119	Lieutenant Governor	213	0	213	0	213
121	Office of the Governor	3,925	0	3,925	0	3,925
122	Department of Planning and Budget	4,269	0	4,269	0	4,269
123	Department of Military Affairs	376,958	7,051	369,907	13,571	383,478
125	Court of Appeals of Virginia	9,635	0	9,635	0	9,635
127	Department of Emergency Management	18,208	0	18,208	0	18,208
129	Department of Human Resource Management	15,738	0	15,738	0	15,738
132	Department of Elections	7,978	0	7,978	0	7,978
133	Auditor of Public Accounts	4,994	0	4,994	0	4,994
136	Virginia Information Technologies Agency	37,668	0	37,668	0	37,668
140	Department of Criminal Justice Services	17,078	0	17,078	0	17,078
141	Attorney General and Department of Law	34,986	0	34,986	0	34,986
146	The Science Museum of Virginia	12,185	0	12,185	0	12,185
147	Office of the State Inspector General	4,574	0	4,574	0	4,574
148	Virginia Commission for the Arts	357	0	357	0	357
151	Department of Accounts	12,459	0	12,459	0	12,459
152	Department of the Treasury	9,640	0	9,640	0	9,640
154	Department of Motor Vehicles	347,556	60,476	287,079	51,429	338,508
156	Department of State Police	6,619,447	166,101	6,453,347	137,071	6,590,418
157	Compensation Board	1,106	0	1,106	0	1,106
158	Virginia Retirement System	30,823	0	30,823	0	30,823
160	Virginia Criminal Sentencing Commission	751	0	751	0	751
161	Department of Taxation	64,193	0	64,193	0	64,193
162	Department of Accounts Transfer Payments	97	0	97	0	97
165	Department of Housing and Community Development	11,762	0	11,762	0	11,762
166	Secretary of the Commonwealth	1,444	0	1,444	0	1,444
171	State Corporation Commission	88,035	0	88,035	0	88,035
172	Virginia Lottery	36,634	0	36,634	0	36,634
174	Virginia College Savings Plan	10,749	0	10,749	0	10,749
180	Secretary of Administration	1,414	0	1,414	0	1,414
181	Department of Labor and Industry	45,780	0	45,780	0	45,780
182	Virginia Employment Commission	57,055	30,595	26,460	26,429	52,889
183	Secretary of Natural Resources	435	0	435	0	435
185	Secretary of Education	494	0	494	0	494
186	Secretary of Transportation	567	0	567	0	567
187	Secretary of Public Safety and Homeland Security	611	0	611	0	611
188	Secretary of Health and Human Resources	370	0	370	0	370
190	Secretary of Finance	573	0	573	0	573
191	Virginia Workers' Compensation Commission	44,222	0	44,222	0	44,222
192	Secretary of Commerce and Trade	518	0	518	0	518
193	Secretary of Agriculture and Forestry	312	0	312	0	312
194	Department of General Services	224,436	0	224,436	0	224,436
195	Secretary of Labor	161	0	161	0	161
199	Department of Conservation and Recreation	489,868	8,229	481,639	17,143	498,782
200	Childrens Services	1,233	0	1,233	0	1,233
201	Department of Education, Central Office Operations	54,692	0	54,692	0	54,692
202	The Library of Virginia	8,395	0	8,395	0	8,395
203	Wilson Workforce and Rehabilitation Center	67,322	0	67,322	0	67,322
204	The College of William and Mary In Virginia	640,708	0	640,708	0	640,708
207	University of Virginia	3,497,378	155,366	3,342,013	131,786	3,473,799
208	Virginia Polytechnic Institute and State University	2,697,626	216,152	2,481,474	163,786	2,645,259
209	University of Virginia Medical Center	5,253,122	316,375	4,936,747	257,280	5,194,027
211	Virginia Military Institute	245,603	11,176	234,427	9,286	243,713
212	Virginia State University	129,235	3,082	126,154	7,857	134,011
213	Norfolk State University	300,440	54,524	245,915	24,286	270,201
214	Longwood University	398,939	12,369	386,570	7,143	393,712
215	University of Mary Washington	256,515	20,675	235,840	5,553	241,393
216	James Madison University	1,194,569	58,836	1,135,733	45,000	1,180,733
217	Radford University	351,770	0	351,770	0	351,770
218	Virginia School for the Deaf and the Blind	69,056	0	69,056	0	69,056
221	Old Dominion University	725,204	8,925	716,279	34,286	750,565
222	Department of Professional and Occupational Regulation	10,564	0	10,564	0	10,564
223	Department of Health Professions	59,001	0	59,001	0	59,001
226	Board of Accountancy	926	0	926	0	926
229	VPI Cooperative Extension and Agricultural Experiment Station	214,744	0	214,744	0	214,744

**COMMONWEALTH OF VIRGINIA
WORKERS' COMPENSATION
SELF INSURANCE FUND**

**FISCAL YEAR 2024 PREMIUMS
SETTLEMENT REIMBURSEMENT AMOUNTS AND FINAL PREMIUMS INCLUDING COST AVOIDANCE CREDITS**

Agency Code	Agency Name	Preliminary Allocated Premium Pay As You Go FY 2024	FY 2024 Credit for Cost Avoidance	Final Allocated Premium Pay As You Go FY 2024	FY 2024 Settlement Reimbursement	FY 2024 Final Premium Plus Settlement Reimbursement
(1)	(2)	(3)	(4)	(5)	(6)	(7)
233	Board of Bar Examiners	734	0	734	0	734
234	VSU Cooperative Extension and Agricultural Research Services	18,010	0	18,010	0	18,010
236	Virginia Commonwealth University	1,474,319	23,174	1,451,145	21,428	1,472,573
238	Virginia Museum of Fine Arts	134,225	0	134,225	0	134,225
239	Frontier Culture Museum of Virginia	3,351	0	3,351	0	3,351
241	Richard Bland College	54,146	0	54,146	0	54,146
242	Christopher Newport University	402,306	25,971	376,335	8,571	384,907
245	State Council of Higher Education for Virginia	4,355	0	4,355	0	4,355
246	University of Virginia's College at Wise	119,113	0	119,113	0	119,113
247	George Mason University	1,231,403	86,195	1,145,208	42,857	1,188,065
260	Virginia Community College System	1,350,915	106,408	1,244,507	91,429	1,335,936
262	Department for Aging and Rehabilitative Services	69,702	0	69,702	0	69,702
263	Virginia Rehabilitation Center for the Blind and Vision Impaired	3,803	0	3,803	0	3,803
268	Virginia Institute of Marine Science	148,134	0	148,134	0	148,134
301	Department of Agriculture and Consumer Services	253,680	0	253,680	0	253,680
307	Virginia Agricultural Council	0	0	0	0	0
309	Virginia Innovation Partnership Authority	0	0	0	0	0
330	Virginia-Israel Advisory Board	127	0	127	0	127
350	Department of Small Business and Supplier Diversity	3,812	0	3,812	0	3,812
402	Marine Resources Commission	144,367	2,616	141,751	2,857	144,608
403	Department of Wildlife Resources	677,037	0	677,037	0	677,037
405	Virginia Racing Commission	779	0	779	0	779
409	Department of Mines, Minerals and Energy	212,553	1,828	210,726	2,857	213,583
411	Department of Forestry	267,209	0	267,209	0	267,209
413	Commission on the Virginia Alcohol Safety Action Program	2,390	0	2,390	0	2,390
417	Gunston Hall	2,742	0	2,742	0	2,742
423	Department of Historic Resources	10,376	0	10,376	0	10,376
425	Jamestown-Yorktown Foundation	160,460	0	160,460	0	160,460
440	Department of Environmental Quality	491,918	0	491,918	0	491,918
454	Secretary of Veterans and Defense Affairs	558	0	558	0	558
501	Department of Transportation	9,684,744	451,647	9,233,097	329,214	9,562,311
505	Department of Rail and Public Transportation	5,856	0	5,856	0	5,856
506	Motor Vehicle Dealer Board	2,982	0	2,982	0	2,982
601	Department of Health	1,268,975	91,901	1,177,075	56,429	1,233,503
602	Department of Medical Assistance Services	62,614	0	62,614	0	62,614
606	Virginia Board for People with Disabilities	758	0	758	0	758
702	Department for the Blind and Vision Impaired	82,164	0	82,164	0	82,164
720	Department of Behavioral Health and Developmental Services	80,306	579	79,727	1,357	81,084
751	Department for the Deaf and Hard-of-Hearing	576	0	576	0	576
765	Department of Social Services	80,685	0	80,685	0	80,685
766	Virginia Parole Board	2,156	0	2,156	0	2,156
777	Department of Juvenile Justice	1,774,303	166,680	1,607,623	168,214	1,775,837
778	Department of Forensic Science	198,134	0	198,134	0	198,134
792	Mental Health Treatment Centers	8,230,517	593,266	7,637,251	436,036	8,073,286
793	Intellectual Disabilities Training Centers	1,137,814	303,690	834,124	248,179	1,082,303
794	Virginia Center for Behavioral Rehabilitation	652,463	1,678	650,785	10,000	660,785
799	Department of Corrections	9,972,547	1,047,501	8,925,046	629,986	9,555,032
820	Capitol Square Preservation Council	101	0	101	0	101
834	Virginia Freedom of Information Advisory Council	166	0	166	0	166
839	Virginia Commission on Youth	253	0	253	0	253
841	Department of Aviation	22,218	0	22,218	0	22,218
842	Chesapeake Bay Commission	100	0	100	0	100
844	Joint Commission on Health Care	513	0	513	0	513
847	Joint Commission on Technology and Science	66	0	66	0	66
848	Indigent Defense Commission	32,648	1,109	31,540	5,000	36,540
856	Opioid Abatement Authority	80	0	80	0	80
876	Virginia Conflict of Interest and Ethics Advisory Council	338	0	338	0	338
882	Behavioral Health Commission	142	0	142	0	142
912	Department of Veterans Services	622,402	125,002	497,400	84,286	581,686
913	Veterans Service Foundation	79	0	79	0	79
937	Southern Virginia Higher Education Center	2,624	0	2,624	0	2,624
938	New College Institute	1,319	0	1,319	0	1,319
942	Virginia Museum of Natural History	1,730	0	1,730	0	1,730
948	Southwest Virginia Higher Education Center	6,216	0	6,216	0	6,216
957	Commonwealth's Attorneys' Services Council	614	0	614	0	614
960	Department of Fire Programs	111,696	0	111,696	0	111,696
961	Division of Capitol Police	124,355	0	124,355	0	124,355
977	Virginia Cannabis Control Authority	579	0	579	0	579
980	In-State Undergraduate Tuition Moderation	0	0	0	0	0
999	Virginia Alcoholic Beverage Control Authority	1,431,612	41,419	1,390,193	57,857	1,448,050
	Statewide Total	67,917,253	4,200,597	63,716,657	3,128,462	66,845,118

**COMMONWEALTH OF VIRGINIA
WORKERS' COMPENSATION
SELF INSURANCE FUND**

**FISCAL YEAR 2025 PREMIUMS
SETTLEMENT REIMBURSEMENT AMOUNTS AND FINAL PREMIUMS INCLUDING COST AVOIDANCE CREDITS**

Agency Code	Agency Name	Preliminary Allocated Premium Pay As You Go FY 2025	FY 2025 Credit for Cost Avoidance	Final Allocated Premium Pay As You Go FY 2025	FY 2025 Settlement Reimbursement	FY 2025 Final Premium Plus Settlement Reimbursement
(1)	(2)	(3)	(4)	(5)	(6)	(7)
100	Senate of Virginia	9,261	0	9,261	0	9,261
101	Virginia House of Delegates	13,786	0	13,786	0	13,786
103	Magistrate System	28,153	0	28,153	0	28,153
107	Division of Legislative Services	7,314	0	7,314	0	7,314
109	Division of Legislative Automated Systems	1,937	0	1,937	0	1,937
110	Joint Legislative Audit and Review Commission	3,143	0	3,143	0	3,143
111	Supreme Court of Virginia	39,096	0	39,096	0	39,096
112	Judicial Inquiry and Review Commission	436	0	436	0	436
113	Circuit Courts	27,766	0	27,766	0	27,766
114	General District Courts	65,003	0	65,003	0	65,003
115	Juvenile and Domestic Relations District Courts	38,050	0	38,050	0	38,050
116	Combined District Courts	6,954	0	6,954	0	6,954
117	Virginia State Bar	7,442	0	7,442	0	7,442
119	Lieutenant Governor	212	0	212	0	212
121	Office of the Governor	3,900	0	3,900	0	3,900
122	Department of Planning and Budget	4,242	0	4,242	0	4,242
123	Department of Military Affairs	374,597	7,051	367,546	13,571	381,117
125	Court of Appeals of Virginia	9,572	0	9,572	0	9,572
127	Department of Emergency Management	18,119	0	18,119	0	18,119
129	Department of Human Resource Management	15,636	0	15,636	0	15,636
132	Department of Elections	7,927	0	7,927	0	7,927
133	Auditor of Public Accounts	4,962	0	4,962	0	4,962
136	Virginia Information Technologies Agency	37,423	0	37,423	0	37,423
140	Department of Criminal Justice Services	16,967	0	16,967	0	16,967
141	Attorney General and Department of Law	34,759	0	34,759	0	34,759
146	The Science Museum of Virginia	12,106	0	12,106	0	12,106
147	Office of the State Inspector General	4,660	0	4,660	0	4,660
148	Virginia Commission for the Arts	355	0	355	0	355
151	Department of Accounts	12,378	0	12,378	0	12,378
152	Department of the Treasury	9,578	0	9,578	0	9,578
154	Department of Motor Vehicles	345,589	60,476	285,113	51,429	336,541
156	Department of State Police	6,584,093	121,246	6,462,847	137,071	6,599,918
157	Compensation Board	1,099	0	1,099	0	1,099
158	Virginia Retirement System	30,623	0	30,623	0	30,623
160	Virginia Criminal Sentencing Commission	746	0	746	0	746
161	Department of Taxation	63,777	0	63,777	0	63,777
162	Department of Accounts Transfer Payments	98	0	98	0	98
165	Department of Housing and Community Development	11,686	0	11,686	0	11,686
166	Secretary of the Commonwealth	1,434	0	1,434	0	1,434
171	State Corporation Commission	87,464	0	87,464	0	87,464
172	Virginia Lottery	36,396	0	36,396	0	36,396
174	Virginia College Savings Plan	10,679	0	10,679	0	10,679
180	Secretary of Administration	1,405	0	1,405	0	1,405
181	Department of Labor and Industry	45,483	0	45,483	0	45,483
182	Virginia Employment Commission	56,685	30,595	26,090	26,429	52,518
183	Secretary of Natural Resources	432	0	432	0	432
185	Secretary of Education	491	0	491	0	491
186	Secretary of Transportation	564	0	564	0	564
187	Secretary of Public Safety and Homeland Security	607	0	607	0	607
188	Secretary of Health and Human Resources	367	0	367	0	367
190	Secretary of Finance	570	0	570	0	570
191	Virginia Workers' Compensation Commission	43,935	0	43,935	0	43,935
192	Secretary of Commerce and Trade	515	0	515	0	515
193	Secretary of Agriculture and Forestry	310	0	310	0	310
194	Department of General Services	222,980	0	222,980	0	222,980
195	Secretary of Labor	187	0	187	0	187
199	Department of Conservation and Recreation	486,693	6,534	480,159	17,143	497,302
200	Childrens Services	1,225	0	1,225	0	1,225
201	Department of Education, Central Office Operations	54,344	0	54,344	0	54,344
202	The Library of Virginia	8,340	0	8,340	0	8,340
203	Wilson Workforce and Rehabilitation Center	66,885	0	66,885	0	66,885
204	The College of William and Mary In Virginia	636,554	0	636,554	0	636,554
207	University of Virginia	3,474,680	126,336	3,348,344	131,786	3,480,130
208	Virginia Polytechnic Institute and State University	2,680,152	189,016	2,491,136	163,786	2,654,922
209	University of Virginia Medical Center	5,219,029	268,683	4,950,347	257,280	5,207,627
211	Virginia Military Institute	244,057	11,176	232,880	9,286	242,166
212	Virginia State University	128,506	3,082	125,424	7,857	133,281
213	Norfolk State University	298,587	54,524	244,062	24,286	268,348
214	Longwood University	396,412	0	396,412	7,143	403,555
215	University of Mary Washington	254,934	18,246	236,687	5,553	242,240
216	James Madison University	1,186,997	56,523	1,130,474	45,000	1,175,474
217	Radford University	349,608	0	349,608	0	349,608
218	Virginia School for the Deaf and the Blind	68,607	0	68,607	0	68,607
221	Old Dominion University	720,733	8,925	711,808	34,286	746,094
222	Department of Professional and Occupational Regulation	10,495	0	10,495	0	10,495
223	Department of Health Professions	58,618	0	58,618	0	58,618
226	Board of Accountancy	920	0	920	0	920
229	VPI Cooperative Extension and Agricultural Experiment Station	213,350	0	213,350	0	213,350

**COMMONWEALTH OF VIRGINIA
WORKERS' COMPENSATION
SELF INSURANCE FUND**

**FISCAL YEAR 2025 PREMIUMS
SETTLEMENT REIMBURSEMENT AMOUNTS AND FINAL PREMIUMS INCLUDING COST AVOIDANCE CREDITS**

Agency Code	Agency Name	Preliminary Allocated Premium Pay As You Go FY 2025	FY 2025 Credit for Cost Avoidance	Final Allocated Premium Pay As You Go FY 2025	FY 2025 Settlement Reimbursement	FY 2025 Final Premium Plus Settlement Reimbursement
(1)	(2)	(3)	(4)	(5)	(6)	(7)
233	Board of Bar Examiners	729	0	729	0	729
234	VSU Cooperative Extension and Agricultural Research Services	17,893	0	17,893	0	17,893
236	Virginia Commonwealth University	1,464,995	23,174	1,441,821	21,428	1,463,249
238	Virginia Museum of Fine Arts	133,427	0	133,427	0	133,427
239	Frontier Culture Museum of Virginia	3,329	0	3,329	0	3,329
241	Richard Bland College	53,806	0	53,806	0	53,806
242	Christopher Newport University	399,816	25,971	373,845	8,571	382,417
245	State Council of Higher Education for Virginia	4,327	0	4,327	0	4,327
246	University of Virginia's College at Wise	118,340	0	118,340	0	118,340
247	George Mason University	1,223,646	77,181	1,146,465	42,857	1,189,322
260	Virginia Community College System	1,342,602	101,206	1,241,396	91,429	1,332,824
262	Department for Aging and Rehabilitative Services	69,271	0	69,271	0	69,271
263	Virginia Rehabilitation Center for the Blind and Vision Impaired	3,778	0	3,778	0	3,778
268	Virginia Institute of Marine Science	147,173	0	147,173	0	147,173
301	Department of Agriculture and Consumer Services	252,033	0	252,033	0	252,033
307	Virginia Agricultural Council	0	0	0	0	0
309	Virginia Innovation Partnership Authority	0	0	0	0	0
330	Virginia-Israel Advisory Board	127	0	127	0	127
350	Department of Small Business and Supplier Diversity	3,787	0	3,787	0	3,787
402	Marine Resources Commission	143,480	2,616	140,864	2,857	143,721
403	Department of Wildlife Resources	672,751	0	672,751	0	672,751
405	Virginia Racing Commission	774	0	774	0	774
409	Department of Mines, Minerals and Energy	211,174	1,828	209,346	2,857	212,203
411	Department of Forestry	265,475	0	265,475	0	265,475
413	Commission on the Virginia Alcohol Safety Action Program	2,375	0	2,375	0	2,375
417	Gunston Hall	2,724	0	2,724	0	2,724
423	Department of Historic Resources	10,309	0	10,309	0	10,309
425	Jamestown-Yorktown Foundation	159,422	0	159,422	0	159,422
440	Department of Environmental Quality	488,726	0	488,726	0	488,726
454	Secretary of Veterans and Defense Affairs	555	0	555	0	555
501	Department of Transportation	9,621,890	372,161	9,249,729	329,214	9,578,943
505	Department of Rail and Public Transportation	5,818	0	5,818	0	5,818
506	Motor Vehicle Dealer Board	2,963	0	2,963	0	2,963
601	Department of Health	1,260,905	70,673	1,190,232	56,429	1,246,660
602	Department of Medical Assistance Services	62,207	0	62,207	0	62,207
606	Virginia Board for People with Disabilities	753	0	753	0	753
702	Department for the Blind and Vision Impaired	81,631	0	81,631	0	81,631
720	Department of Behavioral Health and Developmental Services	79,931	579	79,351	1,357	80,709
751	Department for the Deaf and Hard-of-Hearing	572	0	572	0	572
765	Department of Social Services	80,161	0	80,161	0	80,161
766	Virginia Parole Board	2,142	0	2,142	0	2,142
777	Department of Juvenile Justice	1,763,286	161,930	1,601,356	168,214	1,769,570
778	Department of Forensic Science	196,848	0	196,848	0	196,848
792	Mental Health Treatment Centers	8,177,100	456,402	7,720,698	436,036	8,156,734
793	Intellectual Disabilities Training Centers	1,130,429	286,496	843,933	248,179	1,092,112
794	Virginia Center for Behavioral Rehabilitation	648,228	1,678	646,550	10,000	656,550
799	Department of Corrections	9,913,898	952,193	8,961,705	629,986	9,591,691
820	Capitol Square Preservation Council	100	0	100	0	100
834	Virginia Freedom of Information Advisory Council	165	0	165	0	165
839	Virginia Commission on Youth	251	0	251	0	251
841	Department of Aviation	22,074	0	22,074	0	22,074
842	Chesapeake Bay Commission	99	0	99	0	99
844	Joint Commission on Health Care	510	0	510	0	510
847	Joint Commission on Technology and Science	65	0	65	0	65
848	Indigent Defense Commission	32,437	1,109	31,328	5,000	36,328
856	Opioid Abatement Authority	99	0	99	0	99
876	Virginia Conflict of Interest and Ethics Advisory Council	336	0	336	0	336
882	Behavioral Health Commission	165	0	165	0	165
912	Department of Veterans Services	643,243	94,875	548,367	84,286	632,653
913	Veterans Service Foundation	83	0	83	0	83
937	Southern Virginia Higher Education Center	2,607	0	2,607	0	2,607
938	New College Institute	1,311	0	1,311	0	1,311
942	Virginia Museum of Natural History	1,719	0	1,719	0	1,719
948	Southwest Virginia Higher Education Center	6,176	0	6,176	0	6,176
957	Commonwealth's Attorneys' Services Council	610	0	610	0	610
960	Department of Fire Programs	111,001	0	111,001	0	111,001
961	Division of Capitol Police	123,551	0	123,551	0	123,551
977	Virginia Cannabis Control Authority	717	0	717	0	717
980	In-State Undergraduate Tuition Moderation	0	0	0	0	0
999	Virginia Alcoholic Beverage Control Authority	1,422,681	41,419	1,381,262	57,857	1,439,119
	Statewide Total	67,519,276	3,633,905	63,885,371	3,128,462	67,013,833

**COMMONWEALTH OF VIRGINIA
WORKERS' COMPENSATION
SELF INSURANCE FUND**

**FISCAL YEAR 2024 AND 2025 PREMIUMS
CHARGE FOR PTSD PRESUMPTION**

Agency Code	Agency Name	PTSD Presumption Estimated Cost FY 2024	PTSD Presumption Estimated Cost FY 2025
(1)	(2)	(3)	(4)
100	Senate of Virginia	0	0
101	Virginia House of Delegates	0	0
103	Magistrate System	0	0
107	Division of Legislative Services	0	0
109	Division of Legislative Automated Systems	0	0
110	Joint Legislative Audit and Review Commission	0	0
111	Supreme Court of Virginia	0	0
112	Judicial Inquiry and Review Commission	0	0
113	Circuit Courts	0	0
114	General District Courts	0	0
115	Juvenile and Domestic Relations District Courts	0	0
116	Combined District Courts	0	0
117	Virginia State Bar	0	0
119	Lieutenant Governor	0	0
121	Office of the Governor	0	0
122	Department of Planning and Budget	0	0
123	Department of Military Affairs	912	991
125	Court of Appeals of Virginia	0	0
127	Department of Emergency Management	311	338
129	Department of Human Resource Management	0	0
132	Department of Elections	0	0
133	Auditor of Public Accounts	0	0
136	Virginia Information Technologies Agency	0	0
140	Department of Criminal Justice Services	0	0
141	Attorney General and Department of Law	0	0
146	The Science Museum of Virginia	0	0
147	Office of the State Inspector General	195	212
148	Virginia Commission for the Arts	0	0
151	Department of Accounts	0	0
152	Department of the Treasury	0	0
154	Department of Motor Vehicles	3,082	3,351
156	Department of State Police	81,181	88,260
157	Compensation Board	0	0
158	Virginia Retirement System	0	0
160	Virginia Criminal Sentencing Commission	0	0
161	Department of Taxation	0	0
162	Department of Accounts Transfer Payments	0	0
165	Department of Housing and Community Development	0	0
166	Secretary of the Commonwealth	0	0
171	State Corporation Commission	0	0
172	Virginia Lottery	0	0
174	Virginia College Savings Plan	0	0
180	Secretary of Administration	0	0
181	Department of Labor and Industry	0	0
182	Virginia Employment Commission	0	0
183	Secretary of Natural Resources	0	0
185	Secretary of Education	0	0
186	Secretary of Transportation	0	0
187	Secretary of Public Safety and Homeland Security	0	0
188	Secretary of Health and Human Resources	0	0
190	Secretary of Finance	0	0
191	Virginia Workers' Compensation Commission	0	0
192	Secretary of Commerce and Trade	0	0
193	Secretary of Agriculture and Forestry	0	0
194	Department of General Services	0	0
195	Secretary of Labor	0	0
199	Department of Conservation and Recreation	42	46
200	Childrens Services	0	0
201	Department of Education, Central Office Operations	84	91
202	The Library of Virginia	0	0
203	Wilson Workforce and Rehabilitation Center	0	0
204	The College of William and Mary In Virginia	42	46
207	University of Virginia	0	0
208	Virginia Polytechnic Institute and State University	361	392
209	University of Virginia Medical Center	0	0
211	Virginia Military Institute	507	552
212	Virginia State University	1,165	1,267
213	Norfolk State University	1,032	1,122
214	Longwood University	669	727
215	University of Mary Washington	893	970
216	James Madison University	1,932	2,100
217	Radford University	1,293	1,406
218	Virginia School for the Deaf and the Blind	0	0
221	Old Dominion University	2,513	2,733
222	Department of Professional and Occupational Regulation	0	0
223	Department of Health Professions	0	0
226	Board of Accountancy	0	0
229	VPI Cooperative Extension and Agricultural Experiment Station	0	0

**COMMONWEALTH OF VIRGINIA
WORKERS' COMPENSATION
SELF INSURANCE FUND**

**FISCAL YEAR 2024 AND 2025 PREMIUMS
CHARGE FOR PTSD PRESUMPTION**

Agency Code	Agency Name	PTSD Presumption Estimated Cost FY 2024	PTSD Presumption Estimated Cost FY 2025
(1)	(2)	(3)	(4)
233	Board of Bar Examiners	0	0
234	VSU Cooperative Extension and Agricultural Research Services	0	0
236	Virginia Commonwealth University	2,606	2,833
238	Virginia Museum of Fine Arts	773	841
239	Frontier Culture Museum of Virginia	0	0
241	Richard Bland College	121	132
242	Christopher Newport University	1,293	1,406
245	State Council of Higher Education for Virginia	0	0
246	University of Virginia's College at Wise	0	0
247	George Mason University	2,510	2,729
260	Virginia Community College System	4,845	5,268
262	Department for Aging and Rehabilitative Services	227	247
263	Virginia Rehabilitation Center for the Blind and Vision Impaired	0	0
268	Virginia Institute of Marine Science	0	0
301	Department of Agriculture and Consumer Services	0	0
307	Virginia Agricultural Council	0	0
309	Virginia Innovation Partnership Authority	0	0
330	Virginia-Israel Advisory Board	0	0
350	Department of Small Business and Supplier Diversity	0	0
402	Marine Resources Commission	532	578
403	Department of Wildlife Resources	1,151	1,251
405	Virginia Racing Commission	0	0
409	Department of Mines, Minerals and Energy	0	0
411	Department of Forestry	0	0
413	Commission on the Virginia Alcohol Safety Action Program	0	0
417	Gunston Hall	0	0
423	Department of Historic Resources	0	0
425	Jamestown-Yorktown Foundation	43	47
440	Department of Environmental Quality	0	0
454	Secretary of Veterans and Defense Affairs	0	0
501	Department of Transportation	0	0
505	Department of Rail and Public Transportation	0	0
506	Motor Vehicle Dealer Board	0	0
601	Department of Health	1,763	1,916
602	Department of Medical Assistance Services	0	0
606	Virginia Board for People with Disabilities	0	0
702	Department for the Blind and Vision Impaired	0	0
720	Department of Behavioral Health and Developmental Services	1,556	1,692
751	Department for the Deaf and Hard-of-Hearing	0	0
765	Department of Social Services	0	0
766	Virginia Parole Board	0	0
777	Department of Juvenile Justice	5,313	5,777
778	Department of Forensic Science	0	0
792	Mental Health Treatment Centers	0	0
793	Intellectual Disabilities Training Centers	0	0
794	Virginia Center for Behavioral Rehabilitation	0	0
799	Department of Corrections	64,814	70,466
820	Capitol Square Preservation Council	0	0
834	Virginia Freedom of Information Advisory Council	0	0
839	Virginia Commission on Youth	0	0
841	Department of Aviation	0	0
842	Chesapeake Bay Commission	0	0
844	Joint Commission on Health Care	0	0
847	Joint Commission on Technology and Science	0	0
848	Indigent Defense Commission	0	0
856	Opioid Abatement Authority	0	0
876	Virginia Conflict of Interest and Ethics Advisory Council	0	0
882	Behavioral Health Commission	0	0
912	Department of Veterans Services	0	0
913	Veterans Service Foundation	0	0
937	Southern Virginia Higher Education Center	0	0
938	New College Institute	0	0
942	Virginia Museum of Natural History	0	0
948	Southwest Virginia Higher Education Center	0	0
957	Commonwealth's Attorneys' Services Council	0	0
960	Department of Fire Programs	326	354
961	Division of Capitol Police	42	46
977	Virginia Cannabis Control Authority	0	0
980	In-State Undergraduate Tuition Moderation	0	0
999	Virginia Alcoholic Beverage Control Authority	3,843	4,179
	Statewide Total	187,972	204,364

**COMMONWEALTH OF VIRGINIA
WORKERS' COMPENSATION
SELF INSURANCE FUND**

**DERIVATION OF FISCAL YEAR 2024 PREMIUMS - BASED ON LOSSES FROM OLIVER WYMAN'S REPORT AS OF JUNE 30, 2022
EXPERIENCE MODIFICATION FACTOR BASED ON NCCI FORMULA**

Agency Code	Agency Name	Experience Period: 2019-2021			FY 2024 Manual Premium (Including Expenses)	Experience Modification Factor	FY 2024 Commercial Premium	Adjusted FY 2024 Commercial Premium	Fiscal Year 2024 Premium Based on: Oliver Wyman's June 30, 2022 Report		
		Estimated Ultimate Incurred Losses	Actual Premiums	Estimated Loss Ratio					Indicated Undiscounted Actuarial	Preliminary Pay As You Go	Pay As You Go Plus
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
100	Senate of Virginia	5,056	40,491	12.5%	7,082	0.90	6,374	6,039	9,831	9,321	3,548
101	Virginia House of Delegates	7,152	43,580	16.4%	11,032	0.86	9,488	8,990	14,634	13,876	5,282
103	Magistrate System	35,051	98,163	35.7%	16,420	1.18	19,376	18,359	29,886	28,337	10,787
107	Division of Legislative Services	17,708	21,267	83.3%	3,648	1.38	5,034	4,769	7,764	7,362	2,802
109	Division of Legislative Automated Systems	960	6,059	15.8%	1,374	0.97	1,333	1,263	2,056	1,950	742
110	Joint Legislative Audit and Review Commission	1,561	9,029	17.3%	2,253	0.96	2,163	2,049	3,336	3,163	1,204
111	Supreme Court of Virginia	157,088	80,300	195.6%	18,817	1.43	26,908	25,496	41,503	39,352	14,980
112	Judicial Inquiry and Review Commission	224	1,371	16.3%	303	0.99	300	284	463	439	167
113	Circuit Courts	19,149	102,624	18.7%	23,305	0.82	19,110	18,107	29,475	27,947	10,639
114	General District Courts	71,653	225,502	31.8%	43,861	1.02	44,738	42,390	69,005	65,427	24,907
115	Juvenile and Domestic Relations District Courts	32,272	154,483	20.9%	32,331	0.81	26,188	24,813	40,393	38,299	14,580
116	Combined District Courts	13,679	36,930	37.0%	4,786	1.00	4,786	4,535	7,382	7,000	2,665
117	Virginia State Bar	3,894	27,089	14.4%	5,567	0.92	5,122	4,853	7,900	7,490	2,851
119	Lieutenant Governor	105	804	13.0%	146	1.00	146	138	225	213	81
121	Office of the Governor	2,073	12,619	16.4%	2,825	0.95	2,684	2,543	4,140	3,925	1,494
122	Department of Planning and Budget	2,110	14,002	15.1%	3,073	0.95	2,919	2,766	4,503	4,269	1,625
123	Department of Military Affairs	592,270	1,250,881	47.3%	233,756	1.10	257,131	243,638	396,606	376,046	143,154
125	Court of Appeals of Virginia	5,034	27,341	18.4%	7,009	0.94	6,588	6,242	10,162	9,635	3,668
127	Department of Emergency Management	20,012	84,288	23.7%	13,448	0.91	12,237	11,595	18,875	17,897	6,813
129	Department of Human Resource Management	69,328	28,252	245.4%	7,473	1.44	10,761	10,196	16,598	15,738	5,991
132	Department of Elections	91,611	10,588	865.2%	3,388	1.61	5,455	5,169	8,415	7,978	3,037
133	Auditor of Public Accounts	4,993	17,400	28.7%	3,521	0.97	3,415	3,236	5,267	4,994	1,901
136	Virginia Information Technologies Agency	447,526	68,901	649.5%	17,641	1.46	25,756	24,405	39,727	37,668	14,339
140	Department of Criminal Justice Services	45,863	26,311	174.3%	8,282	1.41	11,677	11,065	18,012	17,078	6,501
141	Attorney General and Department of Law	31,463	104,711	30.0%	27,817	0.86	23,923	22,667	36,899	34,986	13,319
146	The Science Museum of Virginia	6,531	44,068	14.8%	9,257	0.90	8,332	7,894	12,851	12,185	4,639
147	Office of the State Inspector General	3,137	8,785	35.7%	4,756	0.93	4,423	2,837	4,619	4,380	1,667
148	Virginia Commission for the Arts	190	1,169	16.3%	247	0.99	244	231	377	357	136
151	Department of Accounts	6,683	37,542	17.8%	9,792	0.87	8,519	8,072	13,140	12,459	4,743
152	Department of the Treasury	26,855	40,810	65.8%	6,278	1.05	6,592	6,246	10,167	9,640	3,670
154	Department of Motor Vehicles	692,785	1,741,387	39.8%	170,683	1.38	235,543	223,182	363,307	344,474	131,135
156	Department of State Police	15,526,969	19,672,324	78.9%	2,884,329	1.55	4,470,710	4,236,098	6,895,736	6,538,266	2,488,997
157	Compensation Board	604	3,311	18.3%	764	0.99	756	717	1,166	1,106	421
158	Virginia Retirement System	23,276	94,870	24.5%	26,678	0.79	21,076	19,970	32,508	30,823	11,734
160	Virginia Criminal Sentencing Commission	383	2,450	15.6%	519	0.99	513	486	792	751	286
161	Department of Taxation	110,846	245,121	45.2%	35,686	1.23	43,894	41,590	67,703	64,193	24,437
162	Department of Accounts Transfer Payments	64	231	27.7%	98	1.00	98	63	102	97	37
165	Department of Housing and Community Development	11,329	24,983	45.3%	8,378	0.96	8,043	7,620	12,405	11,762	4,478
166	Secretary of the Commonwealth	742	3,950	18.8%	997	0.99	987	935	1,523	1,444	550
171	State Corporation Commission	65,893	472,068	14.0%	89,845	0.67	60,196	57,037	92,848	88,035	33,513
172	Virginia Lottery	70,120	101,667	69.0%	20,201	1.24	25,049	23,735	38,637	36,634	13,946
174	Virginia College Savings Plan	5,521	28,169	19.6%	8,258	0.89	7,350	6,964	11,337	10,749	4,092
180	Secretary of Administration	679	3,732	18.2%	987	0.98	967	916	1,492	1,414	538
181	Department of Labor and Industry	33,381	147,874	22.6%	32,951	0.95	31,303	29,661	48,283	45,780	17,428
182	Virginia Employment Commission	43,684	279,821	15.6%	45,897	0.85	39,013	36,965	60,174	57,055	21,720

**COMMONWEALTH OF VIRGINIA
WORKERS' COMPENSATION
SELF INSURANCE FUND**

**DERIVATION OF FISCAL YEAR 2024 PREMIUMS - BASED ON LOSSES FROM OLIVER WYMAN'S REPORT AS OF JUNE 30, 2022
EXPERIENCE MODIFICATION FACTOR BASED ON NCCI FORMULA**

Agency Code	Agency Name	Experience Period: 2019-2021			FY 2024 Manual Premium (Including Expenses)	Experience Modification Factor	FY 2024 Commercial Premium	Adjusted FY 2024 Commercial Premium	Fiscal Year 2024 Premium Based on: Oliver Wyman's June 30, 2022 Report		
		Estimated Incurred Losses	Actual Premiums	Estimated Loss Ratio					Indicated Undiscounted Actuarial	Preliminary Pay As You Go	Pay As You Go Plus
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
183	Secretary of Natural Resources	256	1,795	14.3%	300	0.99	297	282	458	435	165
185	Secretary of Education	251	1,794	14.0%	341	0.99	338	320	521	494	188
186	Secretary of Transportation	273	2,066	13.2%	392	0.99	388	368	598	567	216
187	Secretary of Public Safety and Homeland Security	313	2,370	13.2%	422	0.99	418	396	645	611	233
188	Secretary of Health and Human Resources	219	1,713	12.8%	255	0.99	253	240	390	370	141
190	Secretary of Finance	277	2,381	11.6%	396	0.99	392	371	605	573	218
191	Virginia Workers' Compensation Commission	32,722	263,755	12.4%	40,862	0.74	30,238	28,651	46,639	44,222	16,834
192	Secretary of Commerce and Trade	285	1,912	14.9%	358	0.99	354	336	547	518	197
193	Secretary of Agriculture and Forestry	167	1,052	15.9%	213	1.00	213	202	329	312	119
194	Department of General Services	309,727	1,095,942	28.3%	194,258	0.79	153,464	145,411	236,707	224,436	85,439
195	Secretary of Labor	0	0	N/A	312	1.00	312	104	170	161	61
199	Department of Conservation and Recreation	632,441	2,268,829	27.9%	423,964	0.79	334,931	317,355	516,607	489,826	186,468
200	Childrens Services	587	3,999	14.7%	860	0.98	843	799	1,300	1,233	469
201	Department of Education, Central Office Operations	62,533	99,389	62.9%	30,859	1.21	37,340	35,380	57,594	54,608	20,788
202	The Library of Virginia	8,902	29,365	30.3%	6,107	0.94	5,740	5,439	8,854	8,395	3,196
203	Wilson Workforce and Rehabilitation Center	70,770	623,485	11.4%	63,935	0.72	46,033	43,617	71,003	67,322	25,628
204	The College of William and Mary In Virginia	1,118,151	2,218,564	50.4%	695,352	0.63	438,072	415,083	675,693	640,666	243,890
207	University of Virginia	8,785,387	8,943,155	98.2%	2,881,233	0.83	2,391,424	2,265,928	3,688,592	3,497,378	1,331,387
208	Virginia Polytechnic Institute and State University	5,134,824	11,040,599	46.5%	2,927,501	0.63	1,844,325	1,747,540	2,844,734	2,697,265	1,026,799
209	University of Virginia Medical Center	10,205,177	17,418,758	58.6%	3,703,051	0.97	3,591,959	3,403,462	5,540,329	5,253,122	1,999,766
211	Virginia Military Institute	336,719	872,487	38.6%	186,212	0.90	167,591	158,796	258,496	245,096	93,303
212	Virginia State University	130,718	526,956	24.8%	139,002	0.63	87,571	82,976	135,072	128,070	48,754
213	Norfolk State University	773,057	1,238,671	62.4%	206,796	0.99	204,728	193,984	315,777	299,407	113,979
214	Longwood University	1,892,907	1,096,480	172.6%	238,884	1.14	272,328	258,036	420,045	398,270	151,614
215	University of Mary Washington	1,255,169	1,114,463	112.6%	208,082	0.84	174,789	165,616	269,598	255,622	97,311
216	James Madison University	3,061,280	3,986,298	76.8%	1,059,087	0.77	815,497	772,701	1,257,843	1,192,637	454,015
217	Radford University	434,646	1,588,073	27.4%	420,435	0.57	239,648	227,072	369,639	350,477	133,420
218	Virginia School for the Deaf and the Blind	94,895	225,976	42.0%	39,679	1.19	47,219	44,741	72,831	69,056	26,288
221	Old Dominion University	1,118,408	2,673,156	41.8%	882,426	0.56	494,159	468,226	762,203	722,691	275,115
222	Department of Professional and Occupational Regulation	5,993	37,326	16.1%	8,208	0.88	7,223	6,844	11,141	10,564	4,021
223	Department of Health Professions	415,080	92,520	448.6%	30,333	1.33	40,343	38,226	62,227	59,001	22,460
226	Board of Accountancy	456	3,044	15.0%	639	0.99	633	600	976	926	352
229	VPI Cooperative Extension and Agricultural Experiment Station	320,666	713,967	44.9%	225,903	0.65	146,837	139,131	226,485	214,744	81,749
233	Board of Bar Examiners	363	2,751	13.2%	507	0.99	502	475	774	734	279
234	VSU Cooperative Extension and Agricultural Research Services	11,971	50,588	23.7%	15,203	0.81	12,315	11,669	18,995	18,010	6,856
236	Virginia Commonwealth University	3,248,366	6,174,131	52.6%	1,797,004	0.56	1,006,322	953,513	1,552,177	1,471,713	560,254
238	Virginia Museum of Fine Arts	113,101	452,725	25.0%	107,354	0.85	91,251	86,463	140,748	133,452	50,803
239	Frontier Culture Museum of Virginia	6,841	23,302	29.4%	2,269	1.01	2,291	2,171	3,534	3,351	1,276
241	Richard Bland College	134,361	167,475	80.2%	36,216	1.02	36,941	35,002	56,978	54,025	20,566
242	Christopher Newport University	496,704	1,532,040	32.4%	397,396	0.69	274,203	259,814	422,938	401,013	152,658
245	State Council of Higher Education for Virginia	2,245	13,830	16.2%	3,168	0.94	2,978	2,822	4,593	4,355	1,658
246	University of Virginia's College at Wise	306,647	389,221	78.8%	83,966	0.97	81,447	77,173	125,626	119,113	45,344
247	George Mason University	1,816,671	4,117,412	44.1%	1,750,599	0.48	840,288	796,191	1,296,081	1,228,893	467,817
260	Virginia Community College System	2,749,966	4,959,821	55.4%	1,314,872	0.70	920,411	872,110	1,419,665	1,346,070	512,424
262	Department for Aging and Rehabilitative Services	61,976	331,085	18.7%	55,889	0.85	47,506	45,013	73,274	69,475	26,448

**COMMONWEALTH OF VIRGINIA
WORKERS' COMPENSATION
SELF INSURANCE FUND**

**DERIVATION OF FISCAL YEAR 2024 PREMIUMS - BASED ON LOSSES FROM OLIVER WYMAN'S REPORT AS OF JUNE 30, 2022
EXPERIENCE MODIFICATION FACTOR BASED ON NCCI FORMULA**

Agency Code	Agency Name	Experience Period: 2019-2021			FY 2024 Manual Premium (Including Expenses)	Experience Modification Factor	FY 2024 Commercial Premium	Adjusted FY 2024 Commercial Premium	Fiscal Year 2024 Premium Based on: Oliver Wyman's June 30, 2022 Report		
		Estimated Ultimate Incurred Losses	Actual Premiums	Estimated Loss Ratio					Indicated Undiscounted Actuarial	Preliminary Pay As You Go	Pay As You Go Plus
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
263	Virginia Rehabilitation Center for the Blind and Vision Impaired	1,897	15,001	12.6%	2,737	0.95	2,600	2,464	4,011	3,803	1,448
268	Virginia Institute of Marine Science	139,146	623,944	22.3%	151,180	0.67	101,291	95,975	156,233	148,134	56,392
301	Department of Agriculture and Consumer Services	446,067	735,716	60.6%	234,406	0.74	173,460	164,357	267,549	253,680	96,571
307	Virginia Agricultural Council	0	40	0.0%	0	1.00	0	0	0	0	0
309	Virginia Innovation Partnership Authority	0	0	N/A	0	1.00	0	0	0	0	0
330	Virginia-Israel Advisory Board	61	367	16.6%	87	1.00	87	83	134	127	49
350	Department of Small Business and Supplier Diversity	4,227	9,719	43.5%	2,506	1.04	2,607	2,470	4,020	3,812	1,451
402	Marine Resources Commission	166,548	523,051	31.8%	105,754	0.93	98,351	93,190	151,699	143,835	54,755
403	Department of Wildlife Resources	2,979,589	1,522,718	195.7%	237,002	1.95	462,155	437,902	712,839	675,886	257,297
405	Virginia Racing Commission	367	4,741	7.7%	538	0.99	532	504	821	779	296
409	Department of Mines, Minerals and Energy	535,003	789,167	67.8%	139,749	1.04	145,339	137,712	224,174	212,553	80,915
411	Department of Forestry	3,037,599	953,583	318.5%	149,763	1.22	182,711	173,123	281,818	267,209	101,722
413	Commission on the Virginia Alcohol Safety Action Program	1,214	9,500	12.8%	1,685	0.97	1,635	1,549	2,521	2,390	910
417	Gunston Hall	1,207	8,633	14.0%	1,933	0.97	1,875	1,777	2,892	2,742	1,044
423	Department of Historic Resources	20,327	31,898	63.7%	5,104	1.39	7,095	6,723	10,944	10,376	3,950
425	Jamestown-Yorktown Foundation	324,840	317,012	102.5%	89,909	1.22	109,689	103,933	169,187	160,417	61,068
440	Department of Environmental Quality	587,910	1,631,398	36.0%	672,724	0.50	336,362	318,711	518,813	491,918	187,264
454	Secretary of Veterans and Defense Affairs	333	2,293	14.5%	386	0.99	382	362	589	558	213
501	Department of Transportation	16,688,722	38,146,285	43.7%	11,224,062	0.59	6,622,196	6,274,680	10,214,243	9,684,744	3,686,803
505	Department of Rail and Public Transportation	3,669	19,145	19.2%	4,260	0.94	4,004	3,794	6,176	5,856	2,229
506	Motor Vehicle Dealer Board	2,934	10,733	27.3%	2,081	0.98	2,039	1,932	3,145	2,982	1,135
601	Department of Health	1,991,270	6,609,246	30.1%	1,397,564	0.62	866,490	821,019	1,336,496	1,267,213	482,404
602	Department of Medical Assistance Services	331,588	102,389	323.9%	35,383	1.21	42,814	40,567	66,037	62,614	23,836
606	Virginia Board for People with Disabilities	380	2,358	16.1%	524	0.99	519	491	800	758	289
702	Department for the Blind and Vision Impaired	99,169	338,297	29.3%	48,854	1.15	56,182	53,233	86,656	82,164	31,278
720	Department of Behavioral Health and Developmental Services	859,750	217,017	396.2%	39,887	1.35	53,847	51,021	83,055	78,750	29,979
751	Department for the Deaf and Hard-of-Hearing	316	2,309	13.7%	398	0.99	394	373	607	576	219
765	Department of Social Services	80,634	362,822	22.2%	75,576	0.73	55,171	52,275	85,096	80,685	30,715
766	Virginia Parole Board	2,207	5,423	40.7%	1,489	0.99	1,474	1,397	2,274	2,156	821
777	Department of Juvenile Justice	8,460,773	8,197,296	103.2%	870,211	1.39	1,209,593	1,146,117	1,865,707	1,768,990	673,422
778	Department of Forensic Science	448,378	532,930	84.1%	141,124	0.96	135,479	128,370	208,967	198,134	75,426
792	Mental Health Treatment Centers	17,133,520	30,807,704	55.6%	3,092,215	1.82	5,627,830	5,332,496	8,680,508	8,230,517	3,133,205
793	Intellectual Disabilities Training Centers	3,121,395	5,553,946	56.2%	505,201	1.54	778,010	737,182	1,200,022	1,137,814	433,145
794	Virginia Center for Behavioral Rehabilitation	1,862,284	2,397,022	77.7%	446,138	1.00	446,138	422,726	688,135	652,463	248,380
799	Department of Corrections	19,462,329	33,522,975	58.1%	6,843,102	0.99	6,774,671	6,419,153	10,449,423	9,907,733	3,771,690
820	Capitol Square Preservation Council	57	360	15.7%	69	1.00	69	65	106	101	38
834	Virginia Freedom of Information Advisory Council	75	500	15.1%	113	1.00	113	107	175	166	63
839	Virginia Commission on Youth	123	922	13.3%	173	1.00	173	164	266	253	96
841	Department of Aviation	16,937	85,549	19.8%	17,873	0.85	15,192	14,395	23,433	22,218	8,458
842	Chesapeake Bay Commission	48	343	14.0%	68	1.00	68	65	105	100	38
844	Joint Commission on Health Care	216	1,801	12.0%	354	0.99	351	333	541	513	195
847	Joint Commission on Technology and Science	71	289	24.5%	45	1.00	45	43	69	66	25
848	Indigent Defense Commission	20,051	159,900	12.5%	27,905	0.80	22,324	21,153	34,433	32,648	12,429
856	Opioid Abatement Authority	0	0	N/A	193	1.00	193	52	84	80	30

**COMMONWEALTH OF VIRGINIA
WORKERS' COMPENSATION
SELF INSURANCE FUND**

**DERIVATION OF FISCAL YEAR 2024 PREMIUMS - BASED ON LOSSES FROM OLIVER WYMAN'S REPORT AS OF JUNE 30, 2022
EXPERIENCE MODIFICATION FACTOR BASED ON NCCI FORMULA**

Agency Code (1)	Agency Name (2)	Experience Period: 2019-2021			FY 2024 Manual Premium (Including Expenses) (6)	Experience Modification Factor (7)	FY 2024 Estimated Commercial Premium (8)	Adjusted FY 2024 Estimated Commercial Premium (9)	Fiscal Year 2024 Premium Based on: Oliver Wyman's June 30, 2022 Report		
		Estimated Ultimate Incurred Losses (3)	Actual Premiums (4)	Estimated Loss Ratio (5)					Indicated Undiscounted Actuarial (10)	Preliminary Pay As You Go (11)	Pay As You Go Plus (12)
876	Virginia Conflict of Interest and Ethics Advisory Council	158	942	16.8%	231	1.00	231	219	357	338	129
882	Behavioral Health Commission	0	0	N/A	275	1.00	275	92	150	142	54
912	Department of Veterans Services	589,268	2,842,241	20.7%	401,494	1.06	425,583	403,250	656,431	622,402	236,937
913	Veterans Service Foundation	50	88	56.6%	99	1.00	99	51	83	79	30
937	Southern Virginia Higher Education Center	1,195	8,399	14.2%	1,850	0.97	1,795	1,700	2,768	2,624	999
938	New College Institute	631	3,209	19.7%	921	0.98	902	855	1,392	1,319	502
942	Virginia Museum of Natural History	3,316	10,824	30.6%	1,149	1.03	1,183	1,121	1,825	1,730	659
948	Southwest Virginia Higher Education Center	3,576	23,420	15.3%	4,671	0.91	4,251	4,028	6,556	6,216	2,367
957	Commonwealth's Attorneys' Services Council	299	1,843	16.2%	424	0.99	420	398	647	614	234
960	Department of Fire Programs	85,413	362,564	23.6%	81,884	0.93	76,152	72,156	117,459	111,370	42,396
961	Division of Capitol Police	85,599	618,958	13.8%	94,446	0.90	85,002	80,541	131,109	124,312	47,323
977	Virginia Cannabis Control Authority	0	0	N/A	1,396	1.00	1,396	375	611	579	220
980	In-State Undergraduate Tuition Moderation	0	0	N/A	0	1.00	0	0	0	0	0
999	Virginia Alcoholic Beverage Control Authority	2,576,783	4,847,150	53.2%	1,072,828	0.91	976,274	925,041	1,505,829	1,427,768	543,525
	Total Target	145,639,496	244,828,021	59.5%	52,268,852	0.87	46,314,685 45,473,902	43,881,343	71,432,277	67,729,281	25,783,283

Note: The ultimate losses in column (3) do not include losses for agencies 996 & 998. Agencies 996 & 998 are political subdivisions and are not included in the allocation, but continue to have losses reported.

**COMMONWEALTH OF VIRGINIA
WORKERS' COMPENSATION
SELF INSURANCE FUND**

**DERIVATION OF FISCAL YEAR 2025 PREMIUMS - BASED ON LOSSES FROM OLIVER WYMAN'S REPORT AS OF JUNE 30, 2022
EXPERIENCE MODIFICATION FACTOR BASED ON NCCI FORMULA**

Agency Code	Agency Name	Experience Period: 2019-2021			FY 2025 Manual Premium (Including Expenses)	Experience Modification Factor	FY 2025 Commercial Premium	Adjusted FY 2025 Commercial Premium	Fiscal Year 2025 Premium Based on: Oliver Wyman's June 30, 2022 Report		
		Estimated Ultimate Incurred Losses	Actual Premiums	Estimated Loss Ratio					Indicated Undiscounted Actuarial	Preliminary Pay As You Go	Pay As You Go Plus
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
100	Senate of Virginia	5,056	40,491	12.5%	7,082	0.90	6,374	5,758	9,489	9,261	8,914
101	Virginia House of Delegates	7,152	43,580	16.4%	11,032	0.86	9,488	8,572	14,126	13,786	13,269
103	Magistrate System	35,051	98,163	35.7%	16,420	1.18	19,376	17,505	28,848	28,153	27,098
107	Division of Legislative Services	17,708	21,267	83.3%	3,648	1.38	5,034	4,548	7,494	7,314	7,040
109	Division of Legislative Automated Systems	960	6,059	15.8%	1,374	0.97	1,333	1,205	1,985	1,937	1,865
110	Joint Legislative Audit and Review Commission	1,561	9,029	17.3%	2,253	0.96	2,163	1,954	3,220	3,143	3,025
111	Supreme Court of Virginia	157,088	80,300	195.6%	18,817	1.43	26,908	24,310	40,061	39,096	37,631
112	Judicial Inquiry and Review Commission	224	1,371	16.3%	303	0.99	300	271	447	436	420
113	Circuit Courts	19,149	102,624	18.7%	23,305	0.82	19,110	17,265	28,451	27,766	26,726
114	General District Courts	71,653	225,502	31.8%	43,861	1.02	44,738	40,419	66,608	65,003	62,567
115	Juvenile and Domestic Relations District Courts	32,272	154,483	20.9%	32,331	0.81	26,188	23,660	38,990	38,050	36,624
116	Combined District Courts	13,679	36,930	37.0%	4,786	1.00	4,786	4,324	7,126	6,954	6,694
117	Virginia State Bar	3,894	27,089	14.4%	5,567	0.92	5,122	4,627	7,625	7,442	7,163
119	Lieutenant Governor	105	804	13.0%	146	1.00	146	132	217	212	204
121	Office of the Governor	2,073	12,619	16.4%	2,825	0.95	2,684	2,425	3,996	3,900	3,754
122	Department of Planning and Budget	2,110	14,002	15.1%	3,073	0.95	2,919	2,637	4,346	4,242	4,083
123	Department of Military Affairs	592,270	1,250,881	47.3%	233,756	1.10	257,131	232,309	382,829	373,606	359,606
125	Court of Appeals of Virginia	5,034	27,341	18.4%	7,009	0.94	6,588	5,952	9,809	9,572	9,214
127	Department of Emergency Management	20,012	84,288	23.7%	13,448	0.91	12,237	11,056	18,220	17,781	17,114
129	Department of Human Resource Management	69,328	28,252	245.4%	7,473	1.44	10,761	9,722	16,022	15,636	15,050
132	Department of Elections	91,611	10,588	865.2%	3,388	1.61	5,455	4,929	8,122	7,927	7,630
133	Auditor of Public Accounts	4,993	17,400	28.7%	3,521	0.97	3,415	3,085	5,084	4,962	4,776
136	Virginia Information Technologies Agency	447,526	68,901	649.5%	17,641	1.46	25,756	23,270	38,347	37,423	36,021
140	Department of Criminal Justice Services	45,863	26,311	174.3%	8,282	1.41	11,677	10,550	17,386	16,967	16,331
141	Attorney General and Department of Law	31,463	104,711	30.0%	27,817	0.86	23,923	21,613	35,617	34,759	33,457
146	The Science Museum of Virginia	6,531	44,068	14.8%	9,257	0.90	8,332	7,527	12,405	12,106	11,652
147	Office of the State Inspector General	3,137	8,785	35.7%	4,756	0.93	4,423	2,766	4,558	4,448	4,281
148	Virginia Commission for the Arts	190	1,169	16.3%	247	0.99	244	221	364	355	342
151	Department of Accounts	6,683	37,542	17.8%	9,792	0.87	8,519	7,697	12,684	12,378	11,914
152	Department of the Treasury	26,855	40,810	65.8%	6,278	1.05	6,592	5,955	9,814	9,578	9,219
154	Department of Motor Vehicles	692,785	1,741,387	39.8%	170,683	1.38	235,543	212,805	350,687	342,238	329,413
156	Department of State Police	15,526,969	19,672,324	78.9%	2,884,329	1.55	4,470,710	4,039,125	6,656,198	6,495,833	6,252,415
157	Compensation Board	604	3,311	18.3%	764	0.99	756	683	1,126	1,099	1,058
158	Virginia Retirement System	23,276	94,870	24.5%	26,678	0.79	21,076	19,041	31,379	30,623	29,475
160	Virginia Criminal Sentencing Commission	383	2,450	15.6%	519	0.99	513	464	764	746	718
161	Department of Taxation	110,846	245,121	45.2%	35,686	1.23	43,894	39,656	65,351	63,777	61,387
162	Department of Accounts Transfer Payments	64	231	27.7%	98	1.00	98	61	101	98	95
165	Department of Housing and Community Development	11,329	24,983	45.3%	8,378	0.96	8,043	7,266	11,974	11,686	11,248
166	Secretary of the Commonwealth	742	3,950	18.8%	997	0.99	987	892	1,470	1,434	1,381
171	State Corporation Commission	65,893	472,068	14.0%	89,845	0.67	60,196	54,385	89,623	87,464	84,186
172	Virginia Lottery	70,120	101,667	69.0%	20,201	1.24	25,049	22,631	37,295	36,396	35,032
174	Virginia College Savings Plan	5,521	28,169	19.6%	8,258	0.89	7,350	6,640	10,943	10,679	10,279
180	Secretary of Administration	679	3,732	18.2%	987	0.98	967	874	1,440	1,405	1,353
181	Department of Labor and Industry	33,381	147,874	22.6%	32,951	0.95	31,303	28,281	46,606	45,483	43,779
182	Virginia Employment Commission	43,684	279,821	15.6%	45,897	0.85	39,013	35,247	58,084	56,685	54,560

**COMMONWEALTH OF VIRGINIA
WORKERS' COMPENSATION
SELF INSURANCE FUND**

**DERIVATION OF FISCAL YEAR 2025 PREMIUMS - BASED ON LOSSES FROM OLIVER WYMAN'S REPORT AS OF JUNE 30, 2022
EXPERIENCE MODIFICATION FACTOR BASED ON NCCI FORMULA**

Agency Code	Agency Name	Experience Period: 2019-2021			FY 2025 Manual Premium (Including Expenses)	Experience Modification Factor	FY 2025 Commercial Premium	Adjusted FY 2025 Commercial Premium	Fiscal Year 2025 Premium Based on: Oliver Wyman's June 30, 2022 Report		
		Estimated Ultimate Incurred Losses	Actual Premiums	Estimated Loss Ratio					Indicated Undiscounted Actuarial	Preliminary Pay As You Go	Pay As You Go Plus
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
183	Secretary of Natural Resources	256	1,795	14.3%	300	0.99	297	268	442	432	416
185	Secretary of Education	251	1,794	14.0%	341	0.99	338	305	503	491	473
186	Secretary of Transportation	273	2,066	13.2%	392	0.99	388	350	578	564	543
187	Secretary of Public Safety and Homeland Security	313	2,370	13.2%	422	0.99	418	378	622	607	585
188	Secretary of Health and Human Resources	219	1,713	12.8%	255	0.99	253	228	376	367	354
190	Secretary of Finance	277	2,381	11.6%	396	0.99	392	354	584	570	548
191	Virginia Workers' Compensation Commission	32,722	263,755	12.4%	40,862	0.74	30,238	27,319	45,019	43,935	42,288
192	Secretary of Commerce and Trade	285	1,912	14.9%	358	0.99	354	320	528	515	496
193	Secretary of Agriculture and Forestry	167	1,052	15.9%	213	1.00	213	193	318	310	298
194	Department of General Services	309,727	1,095,942	28.3%	194,258	0.79	153,464	138,649	228,484	222,980	214,624
195	Secretary of Labor	0	0	N/A	312	1.00	312	116	191	187	180
199	Department of Conservation and Recreation	632,441	2,268,829	27.9%	423,964	0.79	334,931	302,598	498,661	486,647	468,411
200	Childrens Services	587	3,999	14.7%	860	0.98	843	761	1,255	1,225	1,179
201	Department of Education, Central Office Operations	62,533	99,389	62.9%	30,859	1.21	37,340	33,735	55,593	54,254	52,221
202	The Library of Virginia	8,902	29,365	30.3%	6,107	0.94	5,740	5,186	8,546	8,340	8,028
203	Wilson Workforce and Rehabilitation Center	70,770	623,485	11.4%	63,935	0.72	46,033	41,589	68,536	66,885	64,379
204	The College of William and Mary In Virginia	1,118,151	2,218,564	50.4%	695,352	0.63	438,072	395,782	652,221	636,508	612,656
207	University of Virginia	8,785,387	8,943,155	98.2%	2,881,233	0.83	2,391,424	2,160,565	3,560,461	3,474,680	3,344,474
208	Virginia Polytechnic Institute and State University	5,134,824	11,040,599	46.5%	2,927,501	0.63	1,844,325	1,666,281	2,745,916	2,679,760	2,579,341
209	University of Virginia Medical Center	10,205,177	17,418,758	58.6%	3,703,051	0.97	3,591,959	3,245,206	5,347,874	5,219,029	5,023,457
211	Virginia Military Institute	336,719	872,487	38.6%	186,212	0.90	167,591	151,412	249,517	243,505	234,380
212	Virginia State University	130,718	526,956	24.8%	139,002	0.63	87,571	79,117	130,380	127,239	122,471
213	Norfolk State University	773,057	1,238,671	62.4%	206,796	0.99	204,728	184,964	304,808	297,464	286,317
214	Longwood University	1,892,907	1,096,480	172.6%	238,884	1.14	272,328	246,038	405,454	395,685	380,858
215	University of Mary Washington	1,255,169	1,114,463	112.6%	208,082	0.84	174,789	157,915	260,233	253,963	244,447
216	James Madison University	3,061,280	3,986,298	76.8%	1,059,087	0.77	815,497	736,772	1,214,149	1,184,897	1,140,495
217	Radford University	434,646	1,588,073	27.4%	420,435	0.57	239,648	216,513	356,799	348,203	335,154
218	Virginia School for the Deaf and the Blind	94,895	225,976	42.0%	39,679	1.19	47,219	42,660	70,301	68,607	66,036
221	Old Dominion University	1,118,408	2,673,156	41.8%	882,426	0.56	494,159	446,455	735,726	718,001	691,095
222	Department of Professional and Occupational Regulation	5,993	37,326	16.1%	8,208	0.88	7,223	6,526	10,754	10,495	10,102
223	Department of Health Professions	415,080	92,520	448.6%	30,333	1.33	40,343	36,449	60,065	58,618	56,421
226	Board of Accountancy	456	3,044	15.0%	639	0.99	633	572	942	920	885
229	VPI Cooperative Extension and Agricultural Experiment Station	320,666	713,967	44.9%	225,903	0.65	146,837	132,662	218,617	213,350	205,355
233	Board of Bar Examiners	363	2,751	13.2%	507	0.99	502	453	747	729	702
234	VSU Cooperative Extension and Agricultural Research Services	11,971	50,588	23.7%	15,203	0.81	12,315	11,126	18,335	17,893	17,223
236	Virginia Commonwealth University	3,248,366	6,174,131	52.6%	1,797,004	0.56	1,006,322	909,176	1,498,259	1,462,162	1,407,370
238	Virginia Museum of Fine Arts	113,101	452,725	25.0%	107,354	0.85	91,251	82,442	135,859	132,586	127,617
239	Frontier Culture Museum of Virginia	6,841	23,302	29.4%	2,269	1.01	2,291	2,070	3,411	3,329	3,205
241	Richard Bland College	134,361	167,475	80.2%	36,216	1.02	36,941	33,375	54,999	53,674	51,663
242	Christopher Newport University	496,704	1,532,040	32.4%	397,396	0.69	274,203	247,733	408,246	398,411	383,481
245	State Council of Higher Education for Virginia	2,245	13,830	16.2%	3,168	0.94	2,978	2,691	4,434	4,327	4,165
246	University of Virginia's College at Wise	306,647	389,221	78.8%	83,966	0.97	81,447	73,584	121,262	118,340	113,906
247	George Mason University	1,816,671	4,117,412	44.1%	1,750,599	0.48	840,288	759,169	1,251,059	1,220,917	1,175,166
260	Virginia Community College System	2,749,966	4,959,821	55.4%	1,314,872	0.70	920,411	831,558	1,370,350	1,337,334	1,287,220
262	Department for Aging and Rehabilitative Services	61,976	331,085	18.7%	55,889	0.85	47,506	42,920	70,728	69,024	66,438

**COMMONWEALTH OF VIRGINIA
WORKERS' COMPENSATION
SELF INSURANCE FUND**

**DERIVATION OF FISCAL YEAR 2025 PREMIUMS - BASED ON LOSSES FROM OLIVER WYMAN'S REPORT AS OF JUNE 30, 2022
EXPERIENCE MODIFICATION FACTOR BASED ON NCCI FORMULA**

Agency Code	Agency Name	Experience Period: 2019-2021			FY 2025 Manual Premium (Including Expenses)	Experience Modification Factor	FY 2025 Commercial Premium	Adjusted FY 2025 Commercial Premium	Fiscal Year 2025 Premium Based on: Oliver Wyman's June 30, 2022 Report		
		Estimated Ultimate Incurred Losses	Actual Premiums	Estimated Loss Ratio					Indicated Undiscounted Actuarial	Preliminary Pay As You Go	Pay As You Go Plus
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
263	Virginia Rehabilitation Center for the Blind and Vision Impaired	1,897	15,001	12.6%	2,737	0.95	2,600	2,349	3,871	3,778	3,636
268	Virginia Institute of Marine Science	139,146	623,944	22.3%	151,180	0.67	101,291	91,513	150,806	147,173	141,658
301	Department of Agriculture and Consumer Services	446,067	735,716	60.6%	234,406	0.74	173,460	156,715	258,256	252,033	242,589
307	Virginia Agricultural Council	0	40	0.0%	0	1.00	0	0	0	0	0
309	Virginia Innovation Partnership Authority	0	0	N/A	0	1.00	0	0	0	0	0
330	Virginia-Israel Advisory Board	61	367	16.6%	87	1.00	87	79	130	127	122
350	Department of Small Business and Supplier Diversity	4,227	9,719	43.5%	2,506	1.04	2,607	2,355	3,881	3,787	3,645
402	Marine Resources Commission	166,548	523,051	31.8%	105,754	0.93	98,351	88,857	146,430	142,902	137,547
403	Department of Wildlife Resources	2,979,589	1,522,718	195.7%	237,002	1.95	462,155	417,540	688,077	671,500	646,337
405	Virginia Racing Commission	367	4,741	7.7%	538	0.99	532	481	793	774	745
409	Department of Mines, Minerals and Energy	535,003	789,167	67.8%	139,749	1.04	145,339	131,308	216,387	211,174	203,261
411	Department of Forestry	3,037,599	953,583	318.5%	149,763	1.22	182,711	165,073	272,029	265,475	255,527
413	Commission on the Virginia Alcohol Safety Action Program	1,214	9,500	12.8%	1,685	0.97	1,635	1,477	2,434	2,375	2,286
417	Gunston Hall	1,207	8,633	14.0%	1,933	0.97	1,875	1,694	2,792	2,724	2,622
423	Department of Historic Resources	20,327	31,898	63.7%	5,104	1.39	7,095	6,410	10,563	10,309	9,923
425	Jamestown-Yorktown Foundation	324,840	317,012	102.5%	89,909	1.22	109,689	99,100	163,310	159,375	153,403
440	Department of Environmental Quality	587,910	1,631,398	36.0%	672,724	0.50	336,362	303,891	500,791	488,726	470,412
454	Secretary of Veterans and Defense Affairs	333	2,293	14.5%	386	0.99	382	345	569	555	534
501	Department of Transportation	16,688,722	38,146,285	43.7%	11,224,062	0.59	6,622,196	5,982,916	9,859,430	9,621,890	9,261,329
505	Department of Rail and Public Transportation	3,669	19,145	19.2%	4,260	0.94	4,004	3,618	5,962	5,818	5,600
506	Motor Vehicle Dealer Board	2,934	10,733	27.3%	2,081	0.98	2,039	1,842	3,036	2,963	2,852
601	Department of Health	1,991,270	6,609,246	30.1%	1,397,564	0.62	866,490	782,842	1,290,070	1,258,989	1,211,811
602	Department of Medical Assistance Services	331,588	102,389	323.9%	35,383	1.21	42,814	38,681	63,743	62,207	59,876
606	Virginia Board for People with Disabilities	380	2,358	16.1%	524	0.99	519	468	772	753	725
702	Department for the Blind and Vision Impaired	99,169	338,297	29.3%	48,854	1.15	56,182	50,758	83,646	81,631	78,572
720	Department of Behavioral Health and Developmental Services	859,750	217,017	396.2%	39,887	1.35	53,847	48,649	80,170	78,239	75,307
751	Department for the Deaf and Hard-of-Hearing	316	2,309	13.7%	398	0.99	394	356	586	572	551
765	Department of Social Services	80,634	362,822	22.2%	75,576	0.73	55,171	49,845	82,140	80,161	77,158
766	Virginia Parole Board	2,207	5,423	40.7%	1,489	0.99	1,474	1,332	2,195	2,142	2,062
777	Department of Juvenile Justice	8,460,773	8,197,296	103.2%	870,211	1.39	1,209,593	1,092,824	1,800,898	1,757,509	1,691,650
778	Department of Forensic Science	448,378	532,930	84.1%	141,124	0.96	135,479	122,401	201,708	196,848	189,472
792	Mental Health Treatment Centers	17,133,520	30,807,704	55.6%	3,092,215	1.82	5,627,830	5,084,542	8,378,972	8,177,100	7,870,680
793	Intellectual Disabilities Training Centers	3,121,395	5,553,946	56.2%	505,201	1.54	778,010	702,904	1,158,337	1,130,429	1,088,069
794	Virginia Center for Behavioral Rehabilitation	1,862,284	2,397,022	77.7%	446,138	1.00	446,138	403,070	664,231	648,228	623,937
799	Department of Corrections	19,462,329	33,522,975	58.1%	6,843,102	0.99	6,774,671	6,120,671	10,086,441	9,843,431	9,474,569
820	Capitol Square Preservation Council	57	360	15.7%	69	1.00	69	62	102	100	96
834	Virginia Freedom of Information Advisory Council	75	500	15.1%	113	1.00	113	102	169	165	159
839	Virginia Commission on Youth	123	922	13.3%	173	1.00	173	156	257	251	242
841	Department of Aviation	16,937	85,549	19.8%	17,873	0.85	15,192	13,725	22,619	22,074	21,246
842	Chesapeake Bay Commission	48	343	14.0%	68	1.00	68	62	101	99	95
844	Joint Commission on Health Care	216	1,801	12.0%	354	0.99	351	317	522	510	491
847	Joint Commission on Technology and Science	71	289	24.5%	45	1.00	45	41	67	65	63
848	Indigent Defense Commission	20,051	159,900	12.5%	27,905	0.80	22,324	20,169	33,237	32,437	31,221
856	Opioid Abatement Authority	0	0	N/A	193	1.00	193	61	101	99	95

**COMMONWEALTH OF VIRGINIA
WORKERS' COMPENSATION
SELF INSURANCE FUND**

**DERIVATION OF FISCAL YEAR 2025 PREMIUMS - BASED ON LOSSES FROM OLIVER WYMAN'S REPORT AS OF JUNE 30, 2022
EXPERIENCE MODIFICATION FACTOR BASED ON NCCI FORMULA**

Agency Code	Agency Name	Experience Period: 2019-2021			FY 2025 Manual Premium (Including Expenses)	Experience Modification Factor	FY 2025 Estimated Commercial Premium	Adjusted FY 2025 Estimated Commercial Premium	Fiscal Year 2025 Premium Based on: Oliver Wyman's June 30, 2022 Report		
		Estimated Ultimate Incurred Losses	Actual Premiums	Estimated Loss Ratio					Indicated Undiscounted Actuarial	Preliminary Pay As You Go	Pay As You Go Plus
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
876	Virginia Conflict of Interest and Ethics Advisory Council	158	942	16.8%	231	1.00	231	209	344	336	323
882	Behavioral Health Commission	0	0	N/A	275	1.00	275	102	169	165	158
912	Department of Veterans Services	589,268	2,842,241	20.7%	417,648	1.06	442,707	399,970	659,123	643,243	619,139
913	Veterans Service Foundation	50	88	56.6%	99	1.00	99	52	85	83	80
937	Southern Virginia Higher Education Center	1,195	8,399	14.2%	1,850	0.97	1,795	1,621	2,672	2,607	2,510
938	New College Institute	631	3,209	19.7%	921	0.98	902	815	1,343	1,311	1,262
942	Virginia Museum of Natural History	3,316	10,824	30.6%	1,149	1.03	1,183	1,069	1,762	1,719	1,655
948	Southwest Virginia Higher Education Center	3,576	23,420	15.3%	4,671	0.91	4,251	3,840	6,329	6,176	5,945
957	Commonwealth's Attorneys' Services Council	299	1,843	16.2%	424	0.99	420	379	625	610	587
960	Department of Fire Programs	85,413	362,564	23.6%	81,884	0.93	76,152	68,801	113,379	110,647	106,501
961	Division of Capitol Police	85,599	618,958	13.8%	94,446	0.90	85,002	76,796	126,555	123,506	118,877
977	Virginia Cannabis Control Authority	0	0	N/A	1,396	1.00	1,396	446	735	717	690
980	In-State Undergraduate Tuition Moderation	0	0	N/A	0	1.00	0	0	0	0	0
999	Virginia Alcoholic Beverage Control Authority	2,576,783	4,847,150	53.2%	1,072,828	0.91	976,274	882,028	1,453,521	1,418,502	1,365,346
	Total	145,639,496	244,828,021	59.5%	52,285,007	0.87	46,331,809	41,856,583	68,976,746	67,314,913	64,792,425
	Target						45,487,956				

Note: The ultimate losses in column (3) do not include losses for agencies 996 & 998. Agencies 996 & 998 are political subdivisions and are not included in the allocation, but continue to have losses reported.

**COMMONWEALTH OF VIRGINIA
WORKERS' COMPENSATION
SELF INSURANCE FUND**

HISTORICAL PAYROLL AND PREMIUMS

Agency Code (1)	Agency Name (2)	Historical and Projected Payroll							Actual Premiums				
		2019	2020	2021	2022	2023	2024	2025	2019	2020	2021	2022	2023
		(3a)	(3b)	(3c)	(3d)	(3e)	(3f)	(3g)	(4a)	(4b)	(4c)	(4d)	(4e)
100	Senate of Virginia	7,497,303	9,511,910	9,072,742	9,698,183	10,111,659	10,622,865	10,622,865	9,895	16,581	14,016	17,957	10,925
101	Virginia House of Delegates	13,155,952	14,334,100	12,626,208	15,286,855	15,851,041	16,548,579	16,548,579	13,775	14,703	15,103	15,800	14,639
103	Magistrate System	20,079,697	21,428,906	20,681,654	19,902,358	23,402,078	24,630,355	24,630,355	41,426	30,227	26,510	22,807	22,953
107	Division of Legislative Services	4,236,855	4,531,535	4,490,773	4,976,504	5,197,768	5,471,330	5,471,330	5,443	8,215	7,609	10,679	8,261
109	Division of Legislative Automated Systems	1,638,969	1,765,778	1,785,156	1,874,384	1,958,123	2,061,655	2,061,655	1,953	2,108	1,998	2,170	2,343
110	Joint Legislative Audit and Review Commission	2,469,826	2,904,328	2,883,523	3,065,351	3,205,846	3,379,549	3,379,549	2,970	3,076	2,983	3,533	3,748
111	Supreme Court of Virginia	15,892,640	16,916,148	19,230,425	22,432,049	23,433,113	24,670,792	24,670,792	21,916	24,125	34,260	31,787	38,800
112	Judicial Inquiry and Review Commission	363,667	382,076	432,762	412,497	431,403	454,778	454,778	441	478	453	479	580
113	Circuit Courts	29,189,872	31,059,093	30,749,414	31,796,229	33,209,534	34,956,892	34,956,892	36,677	33,826	32,121	35,476	33,680
114	General District Courts	53,240,197	56,090,542	55,006,782	56,728,618	62,484,726	65,790,770	65,790,770	68,711	74,861	81,930	95,845	82,585
115	Juvenile and Domestic Relations District Courts	39,558,586	42,606,310	42,456,106	44,099,643	46,065,419	48,495,832	48,495,832	53,083	45,528	55,873	60,012	56,259
116	Combined District Courts	7,238,985	6,987,923	6,403,225	6,535,237	6,823,238	7,179,311	7,179,311	18,290	9,740	8,900	8,411	8,396
117	Virginia State Bar	6,267,860	6,628,389	6,599,752	6,748,357	7,057,305	7,439,277	7,439,277	9,329	9,218	8,542	9,144	9,207
119	Lieutenant Governor	249,140	220,869	178,821	200,369	208,626	218,834	218,834	213	279	312	280	242
121	Office of the Governor	3,485,593	3,872,492	3,821,008	3,863,696	4,031,090	4,238,050	4,238,050	4,158	4,302	4,159	4,661	4,277
122	Department of Planning and Budget	3,844,201	4,003,879	3,852,347	4,181,939	4,373,081	4,609,402	4,609,402	4,737	4,721	4,543	4,769	4,902
123	Department of Military Affairs	16,462,688	19,137,100	19,332,554	18,704,286	19,432,095	20,331,931	20,331,931	411,659	444,832	394,390	496,016	578,094
125	Court of Appeals of Virginia	6,083,959	5,932,201	6,107,640	5,538,382	9,974,184	10,512,994	10,512,994	8,221	8,235	10,885	10,434	20,258
127	Department of Emergency Management	9,499,414	9,680,587	12,354,236	12,839,904	13,370,023	14,025,443	14,025,443	31,492	32,007	20,788	19,502	25,404
129	Department of Human Resource Management	8,484,542	9,392,276	9,308,769	10,222,496	10,658,747	11,198,111	11,198,111	9,281	9,743	9,228	10,591	17,477
132	Department of Elections	3,260,744	3,839,417	4,614,621	4,061,843	4,823,913	5,082,675	5,082,675	3,073	3,582	3,933	8,221	9,511
133	Auditor of Public Accounts	8,533,742	8,654,220	8,618,143	9,363,690	9,792,218	10,322,035	10,322,035	5,650	6,017	5,734	6,443	6,297
136	Virginia Information Technologies Agency	19,973,118	21,064,359	21,271,798	23,871,841	24,954,634	26,293,361	26,293,361	27,789	20,680	20,432	28,988	35,050
140	Department of Criminal Justice Services	7,145,588	8,412,893	9,064,246	11,080,545	11,552,267	12,135,488	12,135,488	9,163	8,730	8,419	10,820	17,221
141	Attorney General and Department of Law	30,311,154	31,773,733	30,559,859	35,037,995	38,306,886	41,661,774	41,661,774	37,600	34,333	32,779	36,310	35,008
146	The Science Museum of Virginia	4,304,134	4,359,724	3,161,168	4,119,616	4,273,641	4,464,072	4,464,072	13,267	15,854	14,947	15,694	11,751
147	Office of the State Inspector General	2,963,835	3,269,563	3,124,330	3,446,994	3,602,629	3,795,049	3,795,049	2,666	3,005	3,114	4,355	4,446
148	Virginia Commission for the Arts	315,595	353,054	352,029	338,767	352,791	370,131	370,131	361	416	392	443	470
151	Department of Accounts	11,337,279	12,222,124	12,467,129	13,362,041	13,954,982	14,688,072	14,688,072	12,299	12,559	12,683	13,782	14,671
152	Department of the Treasury	7,424,743	7,893,351	8,118,749	8,555,593	8,940,738	9,416,917	9,416,917	8,161	16,218	16,431	17,602	9,890
154	Department of Motor Vehicles	94,528,488	101,164,742	99,738,347	105,194,861	109,640,484	115,136,892	115,136,892	656,188	676,495	408,704	357,793	359,301
156	Department of State Police	173,350,680	178,042,427	187,246,154	203,342,004	224,901,518	236,095,608	236,095,608	6,228,595	6,456,214	6,987,515	6,945,885	7,740,252
157	Compensation Board	915,455	946,191	1,030,732	1,042,437	1,088,642	1,145,768	1,145,768	1,132	1,050	1,129	1,187	1,366
158	Virginia Retirement System	31,467,879	33,362,138	34,302,170	36,391,251	38,012,834	40,017,701	40,017,701	30,402	31,666	32,802	34,239	36,652
160	Virginia Criminal Sentencing Commission	653,916	715,499	705,222	710,630	740,683	777,839	777,839	854	784	812	897	943
161	Department of Taxation	47,720,682	49,518,254	47,667,040	50,788,520	53,040,808	55,825,455	55,825,455	92,949	68,677	83,495	55,151	67,377
162	Department of Accounts Transfer Payments	112,966	118,758	133,199	139,304	146,852	146,852	146,852	159	0	72	85	98
165	Department of Housing and Community Development	6,435,787	6,811,464	8,063,640	10,337,810	10,799,391	11,370,073	11,370,073	7,951	8,645	8,387	9,617	11,343
166	Secretary of the Commonwealth	1,006,819	1,132,316	1,213,101	1,366,471	1,424,325	1,495,853	1,495,853	1,393	1,326	1,231	1,406	1,601
171	State Corporation Commission	48,145,329	50,370,796	50,147,661	53,780,725	56,209,820	59,213,066	59,213,066	135,215	185,053	151,799	156,440	106,596
172	Virginia Lottery	20,269,693	22,029,727	23,984,485	27,294,718	28,507,904	30,007,842	30,007,842	31,666	30,441	39,560	42,443	58,340
174	Virginia College Savings Plan	8,431,315	9,682,982	10,535,599	11,266,778	11,767,876	12,387,415	12,387,415	8,826	9,595	9,748	11,287	12,538
180	Secretary of Administration	1,055,535	1,139,426	1,325,620	1,347,813	1,407,071	1,480,335	1,480,335	996	1,422	1,314	1,429	1,758
181	Department of Labor and Industry	8,132,030	8,791,442	9,210,390	10,041,196	10,485,014	11,033,733	11,033,733	58,451	48,690	40,734	49,548	49,790
182	Virginia Employment Commission	35,344,619	38,415,291	51,755,982	61,212,722	63,573,363	66,491,974	66,491,974	89,947	127,983	61,891	61,025	47,313
183	Secretary of Natural Resources	463,687	473,363	475,638	408,309	427,023	450,160	450,160	629	588	578	594	638
185	Secretary of Education	468,058	470,708	462,840	464,646	485,917	512,216	512,216	583	628	583	590	620
186	Secretary of Transportation	391,686	485,654	515,764	535,075	558,642	587,779	587,779	826	738	502	628	710
187	Secretary of Public Safety and Homeland Security	638,315	647,968	540,521	574,551	600,885	633,442	633,442	788	786	795	813	725
188	Secretary of Health and Human Resources	469,520	458,924	375,333	347,470	363,396	383,086	383,086	603	526	585	576	503
190	Secretary of Finance	484,446	512,940	513,942	538,780	563,474	594,005	594,005	508	771	1,102	643	689
191	Virginia Workers' Compensation Commission	18,157,742	19,511,028	19,246,385	19,678,345	20,571,583	21,675,949	21,675,949	83,167	98,784	81,804	79,168	56,403
192	Secretary of Commerce and Trade	559,627	608,462	482,113	488,094	509,973	537,024	537,024	528	686	697	763	646
193	Secretary of Agriculture and Forestry	294,222	305,446	312,452	290,259	303,544	319,969	319,969	354	329	370	387	419
194	Department of General Services	35,224,017	38,366,248	36,342,665	38,323,618	42,095,593	44,316,513	44,316,513	334,624	362,211	399,107	396,989	325,822
195	Secretary of Labor	0	0	0	424,703	443,883	467,596	467,596	0	0	0	0	162
199	Department of Conservation and Recreation	33,394,327	33,117,963	31,794,377	36,285,536	37,537,927	39,086,337	39,086,337	800,614	782,973	685,242	669,812	528,802
200	Childrens Services	1,076,053	1,122,486	1,065,853	1,171,112	1,224,279	1,290,014	1,290,014	1,301	1,373	1,326	1,394	1,414
201	Department of Education, Central Office Operations	23,528,778	25,588,533	27,104,804	38,351,552	40,002,433	42,043,523	42,043,523	37,998	31,881	29,510	41,988	67,807
202	The Library of Virginia	6,935,219	7,261,843	7,282,708	7,864,011	8,212,940	8,644,342	8,644,342	9,026	9,313	11,027	11,295	12,191
203	Wilson Workforce and Rehabilitation Center	13,447,303	12,475,020	10,028,040	9,974,132	10,398,445	10,923,050	10,923,050	257,658	200,151	165,676	106,999	91,367
204	The College of William and Mary In Virginia	158,436,258	160,729,161	159,003,496	167,124,436	174,499,086	183,616,836	183,616,836	752,034	777,377	689,153	598,984	648,912
207	University of Virginia	718,839,184	747,646,013	746,006,406	788,909,028	823,278,897	865,772,551	865,772,551	3,849,137	2,589,696	2,504,321	2,990,026	3,314,999
208	Virginia Polytechnic Institute and State University	645,293,809	683,813,363	684,348,891	738,011,496	769,819,558	809,145,889	809,145,889	3,403,994	3,944,484	3,692,121	3,510,267	2,793,006
209	University of Virginia Medical Center	572,468,522	544,901,147	594,072,914	598,187,782	620,395,783	647,852,947	647,852,947	5,734,166	6,109,143	5,575,448	4,928,923	4,773,114
211	Virginia Military Institute	30,755,644	32,469,580	32,983,001	34,708,909	36,149,724	37,931,095	37,931,095	313,668	300,776	258,043	230,829	260,184
212	Virginia State University	47,945,392	49,445,762	46,288,965	50,246,139	52,425,372	55,119,699	55,119,699	201,687	180,483	144,785	151,016	164,822
213	Norfolk State University	58,814,685	60,922,143	61,556,650	66,540,417	69,400,302	72,936,159	72,936,159	299,842	411,002	527,827	531,343	442,213
214	Longwood University	50,480,541	51,204,093	47,838,510	50,657,757	52,925,573	55,729,419</						

**COMMONWEALTH OF VIRGINIA
WORKERS' COMPENSATION
SELF INSURANCE FUND**

HISTORICAL PAYROLL AND PREMIUMS

Agency Code (1)	Agency Name (2)	Historical and Projected Payroll						Actual Premiums					
		2019	2020	2021	2022	2023	2024	2025	2019	2020	2021	2022	2023
		(3a)	(3b)	(3c)	(3d)	(3e)	(3f)	(3g)	(4a)	(4b)	(4c)	(4d)	(4e)
226	Board of Accountancy	822,585	872,197	829,937	873,784	911,858	958,930	958,930	978	1,044	1,023	1,094	1,110
229	VPI Cooperative Extension and Agricultural Experiment Station	55,094,979	56,820,897	55,507,486	56,773,599	59,306,586	62,438,280	62,438,280	202,908	262,413	248,646	315,251	242,491
233	Board of Bar Examiners	728,634	685,202	666,241	690,245	721,580	760,321	760,321	899	944	907	859	893
234	VSU Cooperative Extension and Agricultural Research Services	5,571,267	5,577,871	5,696,001	6,198,133	6,425,854	6,707,401	6,707,401	16,355	16,772	17,462	18,233	19,769
236	Virginia Commonwealth University	481,924,490	503,448,277	492,589,991	516,675,967	539,232,966	567,121,621	567,121,621	1,898,629	2,097,955	2,177,547	2,128,555	1,945,711
238	Virginia Museum of Fine Arts	16,540,016	16,778,872	15,884,329	17,855,806	18,513,853	19,327,438	19,327,438	156,529	168,894	127,302	133,188	126,588
239	Frontier Culture Museum of Virginia	1,319,325	1,362,241	1,289,005	1,486,131	1,551,201	1,631,651	1,631,651	9,174	6,223	7,904	4,887	4,484
241	Richard Bland College	8,298,489	8,649,950	7,793,875	8,757,109	9,117,659	9,563,430	9,563,430	57,239	55,319	54,918	63,960	60,374
242	Christopher Newport University	64,553,180	67,119,325	66,320,118	71,144,175	74,148,165	77,862,189	77,862,189	538,044	519,431	474,566	467,467	442,990
245	State Council of Higher Education for Virginia	3,903,303	4,236,475	4,112,033	4,333,637	4,520,805	4,752,213	4,752,213	4,426	4,749	4,654	5,099	5,224
246	University of Virginia's College at Wise	18,906,852	19,995,757	21,164,495	19,572,660	20,421,101	21,470,083	21,470,083	147,047	133,186	108,988	117,922	147,744
247	George Mason University	439,202,417	468,203,605	481,339,674	528,819,122	551,465,546	579,464,763	579,464,763	1,245,784	1,385,494	1,486,134	1,231,367	1,232,084
260	Virginia Community College System	527,946,967	527,798,323	512,156,274	532,440,241	555,328,905	583,627,619	583,627,619	1,868,060	1,603,064	1,488,696	1,533,079	1,702,988
262	Department of Aging and Rehabilitative Services	48,773,478	49,571,808	50,718,739	55,305,132	57,797,354	60,878,647	60,878,647	82,115	116,007	132,962	155,619	114,831
263	Virginia Rehabilitation Center for the Blind and Vision Impaired	1,198,940	1,163,579	1,074,401	1,261,230	1,314,563	1,380,502	1,380,502	5,224	4,914	4,863	4,389	3,665
268	Virginia Institute of Marine Science	23,332,275	24,571,179	24,619,034	25,405,107	26,520,678	27,899,930	27,899,930	200,042	235,137	188,766	217,551	174,011
301	Department of Agriculture and Consumer Services	26,017,878	27,282,536	26,746,217	27,768,675	29,469,370	30,970,240	30,970,240	92,487	251,084	392,145	402,669	346,228
307	Virginia Agricultural Council	0	0	0	0	0	0	0	19	21	0	0	0
309	Virginia Innovation Partnership Authority	0	0	0	0	0	0	0	0	0	0	0	0
330	Virginia-Israel Advisory Board	112,631	104,905	117,335	119,588	124,545	130,674	130,674	172	54	141	133	158
350	Department of Small Business and Supplier Diversity	2,689,896	2,813,046	2,788,210	3,411,087	3,566,868	3,759,471	3,759,471	3,248	3,156	3,315	3,742	3,925
402	Marine Resources Commission	7,392,322	8,207,997	8,205,975	8,324,533	8,697,279	9,158,128	9,158,128	224,110	160,042	138,900	133,374	136,342
403	Department of Wildlife Resources	26,959,158	26,779,994	25,716,546	27,714,765	28,911,574	30,391,265	30,391,265	558,409	527,332	436,977	573,748	711,938
405	Virginia Racing Commission	352,457	555,131	464,530	643,341	662,251	685,631	685,631	1,884	1,592	1,265	1,199	1,013
409	Department of Mines, Minerals and Energy	11,768,364	12,353,623	11,765,237	11,831,907	12,374,203	13,044,678	13,044,678	288,069	291,582	209,517	224,196	185,188
411	Department of Forestry	11,823,846	12,546,652	12,376,883	12,905,753	13,463,981	14,154,154	14,154,154	314,760	358,208	280,615	310,967	290,956
413	Commission on the Virginia Alcohol Safety Action Program	614,169	619,657	596,929	634,229	661,503	695,223	695,223	3,150	3,364	2,986	3,092	2,824
417	Gunston Hall	327,209	335,795	254,346	310,840	322,096	336,011	336,011	2,643	3,368	2,622	2,980	2,241
423	Department of Historic Resources	2,828,049	2,948,140	3,072,907	3,514,310	3,661,021	3,842,410	3,842,410	10,048	11,486	10,363	11,932	11,130
425	Jamestown-Yorktown Foundation	9,901,653	9,289,462	7,288,167	8,628,866	8,965,023	9,380,636	9,380,636	95,011	111,802	110,199	134,302	136,024
440	Department of Environmental Quality	50,864,776	53,570,393	53,071,685	55,851,714	58,394,936	61,539,284	61,539,284	459,486	463,623	708,290	683,034	576,530
454	Secretary of Veterans and Defense Affairs	545,641	600,941	627,091	524,785	548,837	578,575	578,575	822	791	680	754	841
501	Department of Transportation	471,879,631	483,629,777	485,558,155	511,653,459	533,583,608	560,697,246	560,697,246	12,960,738	12,892,975	12,292,572	11,552,354	11,575,442
505	Department of Rail and Public Transportation	4,670,331	5,369,905	5,689,786	5,465,570	5,714,525	6,022,323	6,022,323	6,585	6,572	5,987	6,935	7,736
506	Motor Vehicle Dealer Board	1,391,024	1,404,839	1,287,969	1,325,276	1,384,923	1,458,668	1,458,668	4,460	3,068	3,205	3,530	3,480
601	Department of Health	177,808,990	188,474,372	192,129,992	193,997,191	202,534,740	213,090,255	213,090,255	2,357,838	2,305,226	1,946,182	1,552,271	1,686,325
602	Department of Medical Assistance Services	34,854,596	40,488,875	42,776,094	48,484,923	50,537,351	53,074,900	53,074,900	33,162	35,127	34,100	56,943	62,272
606	Virginia Board for People with Disabilities	658,788	699,448	705,951	719,616	749,126	785,612	785,612	746	796	816	877	943
702	Department for the Blind and Vision Impaired	13,428,764	13,829,959	13,606,867	14,023,805	14,640,826	15,403,690	15,403,690	116,388	126,243	95,667	86,333	75,312
720	Department of Behavioral Health and Developmental Services	32,867,503	37,390,546	37,676,661	41,795,857	43,668,994	45,984,873	45,984,873	63,267	79,382	74,368	86,858	89,008
751	Department for the Deaf and Hard-of-Hearing	570,992	636,144	556,724	543,935	567,435	596,490	596,490	800	801	708	798	745
765	Department of Social Services	97,774,896	104,560,392	102,368,319	101,543,108	106,034,510	111,587,516	111,587,516	149,457	113,428	99,936	105,065	93,932
766	Virginia Parole Board	1,400,126	1,420,197	1,475,610	1,958,200	1,996,063	2,042,874	2,042,874	1,526	1,918	1,980	1,975	2,115
777	Department of Juvenile Justice	75,952,885	78,374,916	76,033,778	73,804,569	77,107,504	81,191,134	81,191,134	3,410,221	2,605,617	2,181,459	2,032,882	2,151,646
778	Department of Forensic Science	23,442,237	24,889,802	26,265,965	27,440,367	28,892,355	28,892,355	28,892,355	190,974	172,392	169,564	209,456	231,161
792	Mental Health Treatment Centers	202,236,644	222,866,966	220,267,000	225,196,417	270,899,560	284,075,780	284,075,780	9,704,893	11,039,282	10,063,529	10,209,024	8,315,783
793	Intellectual Disabilities Training Centers	35,027,936	30,024,053	23,917,698	24,258,645	30,598,441	32,091,358	32,091,358	2,184,809	2,097,296	1,271,841	1,180,538	877,882
794	Virginia Center for Behavioral Rehabilitation	19,543,542	21,744,875	21,623,517	21,732,420	26,947,836	28,305,933	28,305,933	640,261	814,933	941,827	798,590	822,080
799	Department of Corrections	490,989,485	518,943,645	505,813,037	520,656,739	559,774,618	587,256,729	587,256,729	11,082,405	11,372,681	11,067,890	10,722,152	9,944,202
820	Capitol Square Preservation Council	93,952	126,924	92,459	93,999	98,122	103,220	103,220	125	117	118	161	125
834	Virginia Freedom of Information Advisory Council	126,268	133,110	143,353	154,254	161,324	170,065	170,065	184	158	159	169	194
839	Virginia Commission on Youth	241,317	246,750	216,392	237,428	247,093	259,043	259,043	321	301	301	313	292
841	Department of Aviation	2,490,821	2,716,442	2,684,056	2,863,339	2,992,250	3,151,631	3,151,631	26,043	26,507	32,999	39,059	36,956
842	Chesapeake Bay Commission	85,000	87,405	90,027	92,728	96,978	102,233	102,233	122	100	121	111	122
844	Joint Commission on Health Care	476,752	447,868	372,663	482,268	504,372	531,700	531,700	640	567	594	562	500
847	Joint Commission on Technology and Science	71,485	112,586	141,949	61,197	64,001	67,469	67,469	112	87	90	143	192
848	Indigent Defense Commission	31,256,588	32,829,905	34,010,772	37,979,074	39,713,544	41,857,980	41,857,980	52,105	51,001	56,794	49,878	55,075
856	Opioid Abatement Authority	0	0	0	0	275,000	288,750	288,750	0	0	0	0	0
876	Virginia Conflict of Interest and Ethics Advisory Council	274,488	292,396	293,164	315,190	329,388	346,942	346,942	255	342	345	370	393
882	Behavioral Health Commission	0	0	0	59,723	366,000	412,000	412,000	0	0	0	0	81
912	Department of Veterans Services	36,120,648	39,302,581	39,388,155	41,515,324	48,113,166	62,484,742	64,998,871	1,015,791	920,882	905,568	606,681	846,941
913	Veterans Service Foundation	85,655	89,938	93,628	135,305	141,353	148,830	148,830	22	30	36	46	58
937	Southern Virginia Higher Education Center	2,308,683	2,442,912	2,082,728	2,530,502	2,639,845	2,775,033	2,775,033	2,768	2,852	2,779	2,971	2,702
938	New College Institute	943,403	985,565	1,113,919	1,199,451	1,246,046	1,303,655	1,303,655	913	1,090	1,206	1,241	1,630
942	Virginia Museum of Natural History	1,564,442	1,498,398	1,413,552	1,572,842	1,640,013	1,723,059	1,723,059	3,902	3,623	3,299	1,898	1,987
948	Southwest Virginia Higher Education Center	1,300,024	1,268,952	1,201,755	1,277,128	1,328,994	1,393,119	1,393,119	8,584	7,889	6,947	9,183	7,968
957	Commonwealth's Attorneys' Services Council	502,997	557,337	551,805	582,504	606,289	635,696	635,696	573	647	623	699	737
960	Department of Fire Programs	4,953,307	4,884,335	5,299,671	5,589,294	5,789,835	6,037,777	6,037,777	134,721	108,889	118,954	151,373	142,470
961	Division of Capitol Police	5,351,485	5,662,749	5,028,889	5,652,355	6,594,883	6,911,923	6,911,923	196,117	217,818	205,024	150,992	110,929
977	Virginia Cannabis Control Authority	0	0	0	149,389	156,236	164,701	164,701					

**COMMONWEALTH OF VIRGINIA
WORKERS' COMPENSATION
SELF INSURANCE FUND**

SUMMARY OF PAYROLL, PREMIUMS, AND EXPERIENCE MODIFICATION FACTORS

Agency Code	Agency Name	Payroll			Pay As You Go Premium			Experience Modification Factors		Adjusted FY 2024 Estimated Commercial Premium
		2023*	2024	% Change	2023	2024	% Change	Prior	Current	
		(3a)	(3b)	(3c)	(4a)	(4b)	(4c)	(5a)	(5b)	
100	Senate of Virginia	\$9,518,383	\$10,622,865	11.6%	10,925	9,321	-14.7%	0.89	0.90	6,039
101	Virginia House of Delegates	13,198,914	16,548,579	25.4%	14,639	13,876	-5.2%	0.86	0.86	8,990
103	Magistrate System	21,704,777	24,630,355	13.5%	22,953	28,337	23.5%	0.82	1.18	18,359
107	Division of Legislative Services	4,709,785	5,471,330	16.2%	8,261	7,362	-10.9%	1.36	1.38	4,769
109	Division of Legislative Automated Systems	1,872,995	2,061,655	10.1%	2,343	1,950	-16.8%	0.97	0.97	1,263
110	Joint Legislative Audit and Review Commission	3,027,699	3,379,549	11.6%	3,748	3,163	-15.6%	0.96	0.96	2,049
111	Supreme Court of Virginia	20,164,037	24,670,792	22.4%	38,800	39,352	1.4%	1.32	1.43	25,496
112	Judicial Inquiry and Review Commission	454,400	454,778	0.1%	580	439	-24.3%	0.99	0.99	284
113	Circuit Courts	32,241,708	34,956,892	8.4%	33,680	27,947	-17.0%	0.81	0.82	18,107
114	General District Courts	57,690,853	65,790,770	14.0%	82,585	65,427	-20.8%	1.11	1.02	42,390
115	Juvenile and Domestic Relations District Courts	44,513,887	48,495,832	8.9%	56,259	38,299	-31.9%	0.98	0.81	24,813
116	Combined District Courts	6,711,300	7,179,311	7.0%	8,396	7,000	-16.6%	0.97	1.00	4,535
117	Virginia State Bar	6,929,405	7,439,277	7.4%	9,207	7,490	-18.6%	0.92	0.92	4,853
119	Lieutenant Governor	187,762	218,834	16.5%	242	213	-11.9%	1.00	1.00	138
121	Office of the Governor	3,528,133	4,238,050	20.1%	4,277	3,925	-8.2%	0.94	0.95	2,543
122	Department of Planning and Budget	4,043,754	4,609,402	14.0%	4,902	4,269	-12.9%	0.94	0.95	2,766
123	Department of Military Affairs	20,069,155	20,331,931	1.3%	578,094	369,907	-36.0%	1.31	1.10	243,638
125	Court of Appeals of Virginia	10,542,523	10,512,994	-0.3%	20,258	9,635	-52.4%	1.49	0.94	6,242
127	Department of Emergency Management	12,880,973	14,025,443	8.9%	25,404	18,208	-28.3%	1.03	0.91	11,595
129	Department of Human Resource Management	9,747,516	11,198,111	14.9%	17,477	15,738	-10.0%	1.39	1.44	10,196
132	Department of Elections	4,262,749	5,082,675	19.2%	9,511	7,978	-16.1%	1.73	1.61	5,169
133	Auditor of Public Accounts	9,046,600	10,322,035	14.1%	6,297	4,994	-20.7%	0.97	0.97	3,236
136	Virginia Information Technologies Agency	22,323,881	26,293,361	17.8%	35,050	37,668	7.5%	1.21	1.46	24,405
140	Department of Criminal Justice Services	9,486,372	12,135,488	27.9%	17,221	17,078	-0.8%	1.37	1.41	11,065
141	Attorney General and Department of Law	33,878,970	41,661,774	23.0%	35,008	34,986	-0.1%	0.80	0.86	22,667
146	The Science Museum of Virginia	3,302,325	4,464,072	35.2%	11,751	12,185	3.7%	0.90	0.90	7,894
147	Office of the State Inspector General	3,279,121	3,795,049	15.7%	4,446	4,574	2.9%	0.93	0.93	2,837
148	Virginia Commission for the Arts	368,042	370,131	0.6%	470	357	-24.0%	0.99	0.99	231
151	Department of Accounts	13,076,044	14,688,072	12.3%	14,671	12,459	-15.1%	0.87	0.87	8,072
152	Department of the Treasury	8,521,084	9,416,917	10.5%	9,890	9,640	-2.5%	0.90	1.05	6,246
154	Department of Motor Vehicles	104,352,351	115,136,892	10.3%	359,301	287,079	-20.1%	1.30	1.38	223,182
156	Department of State Police	201,467,753	236,095,608	17.2%	7,740,252	6,453,347	-16.6%	1.64	1.55	4,236,098
157	Compensation Board	1,080,852	1,145,768	6.0%	1,366	1,106	-19.0%	0.98	0.99	717
158	Virginia Retirement System	35,974,507	40,017,701	11.2%	36,652	30,823	-15.9%	0.79	0.79	19,970
160	Virginia Criminal Sentencing Commission	738,282	777,839	5.4%	943	751	-20.3%	0.99	0.99	486
161	Department of Taxation	49,975,990	55,825,455	11.7%	67,377	64,193	-4.7%	1.08	1.23	41,590
162	Department of Accounts Transfer Payments	124,696	146,852	17.8%	98	97	-0.7%	1.00	1.00	63
165	Department of Housing and Community Development	8,455,238	11,370,073	34.5%	11,343	11,762	3.7%	0.95	0.96	7,620
166	Secretary of the Commonwealth	1,266,442	1,495,853	18.1%	1,601	1,444	-9.8%	0.98	0.99	935
171	State Corporation Commission	52,616,076	59,213,066	12.5%	106,596	88,035	-17.4%	0.67	0.67	57,037
172	Virginia Lottery	25,145,063	30,007,842	19.3%	58,340	36,634	-37.2%	1.78	1.24	23,735
174	Virginia College Savings Plan	11,047,905	12,387,415	12.1%	12,538	10,749	-14.3%	0.88	0.89	6,964
180	Secretary of Administration	1,391,327	1,480,335	6.4%	1,758	1,414	-19.6%	0.98	0.98	916
181	Department of Labor and Industry	9,649,899	11,033,733	14.3%	49,790	45,780	-8.1%	0.94	0.95	29,661
182	Virginia Employment Commission	53,896,596	66,491,974	23.4%	47,313	26,460	-44.1%	1.05	0.85	36,965

**COMMONWEALTH OF VIRGINIA
WORKERS' COMPENSATION
SELF INSURANCE FUND**

SUMMARY OF PAYROLL, PREMIUMS, AND EXPERIENCE MODIFICATION FACTORS

Agency Code (1)	Agency Name (2)	Payroll			Pay As You Go Premium			Experience Modification Factors		Adjusted FY 2024 Estimated Commercial Premium (6)
		2023*	2024	% Change	2023	2024	% Change	Prior	Current	
		(3a)	(3b)	(3c)	(4a)	(4b)	(4c)	(5a)	(5b)	
183	Secretary of Natural Resources	499,420	450,160	-9.9%	638	435	-31.9%	0.99	0.99	282
185	Secretary of Education	485,982	512,216	5.4%	620	494	-20.3%	0.99	0.99	320
186	Secretary of Transportation	539,983	587,779	8.9%	710	567	-20.1%	1.02	0.99	368
187	Secretary of Public Safety and Homeland Security	567,547	633,442	11.6%	725	611	-15.6%	0.99	0.99	396
188	Secretary of Health and Human Resources	394,100	383,086	-2.8%	503	370	-26.5%	0.99	0.99	240
190	Secretary of Finance	539,639	594,005	10.1%	689	573	-16.8%	0.99	0.99	371
191	Virginia Workers' Compensation Commission	20,199,209	21,675,949	7.3%	56,403	44,222	-21.6%	0.75	0.74	28,651
192	Secretary of Commerce and Trade	506,219	537,024	6.1%	646	518	-19.8%	0.99	0.99	336
193	Secretary of Agriculture and Forestry	328,075	319,969	-2.5%	419	312	-25.5%	0.99	1.00	202
194	Department of General Services	38,114,189	44,316,513	16.3%	325,822	224,436	-31.1%	0.99	0.79	145,411
195	Secretary of Labor	481,019	467,596	-2.8%	162	161	-0.6%	1.00	1.00	104
199	Department of Conservation and Recreation	33,034,948	39,086,337	18.3%	528,802	481,639	-8.9%	0.78	0.79	317,355
200	Childrens Services	1,118,906	1,290,014	15.3%	1,414	1,233	-12.8%	0.98	0.98	799
201	Department of Education, Central Office Operations	41,916,580	42,043,523	0.3%	67,807	54,692	-19.3%	1.19	1.21	35,380
202	The Library of Virginia	7,637,531	8,644,342	13.2%	12,191	8,395	-31.1%	1.13	0.94	5,439
203	Wilson Workforce and Rehabilitation Center	10,506,293	10,923,050	4.0%	91,367	67,322	-26.3%	0.78	0.72	43,617
204	The College of William and Mary In Virginia	166,431,955	183,616,836	10.3%	648,912	640,708	-1.3%	0.58	0.63	415,083
207	University of Virginia	780,117,570	865,772,551	11.0%	3,314,999	3,342,013	0.8%	0.76	0.83	2,265,928
208	Virginia Polytechnic Institute and State University	713,501,642	809,145,889	13.4%	2,793,006	2,481,474	-11.2%	0.65	0.63	1,747,540
209	University of Virginia Medical Center	618,488,794	647,852,947	4.7%	4,773,114	4,936,747	3.4%	0.82	0.97	3,403,462
211	Virginia Military Institute	34,492,197	37,931,095	10.0%	260,184	234,427	-9.9%	0.89	0.90	158,796
212	Virginia State University	48,510,070	55,119,699	13.6%	164,822	126,154	-23.5%	0.65	0.63	82,976
213	Norfolk State University	64,424,183	72,936,159	13.2%	442,213	245,915	-44.4%	1.37	0.99	193,984
214	Longwood University	50,153,858	55,729,419	11.1%	397,388	386,570	-2.7%	1.08	1.14	258,036
215	University of Mary Washington	49,071,447	53,020,534	8.0%	397,375	235,840	-40.7%	1.22	0.84	165,616
216	James Madison University	240,488,229	267,988,413	11.4%	1,733,409	1,135,733	-34.5%	1.06	0.77	772,701
217	Radford University	96,483,081	102,380,795	6.1%	468,393	351,770	-24.9%	0.62	0.57	227,072
218	Virginia School for the Deaf and the Blind	6,662,604	7,107,833	6.7%	92,890	69,056	-25.7%	1.37	1.19	44,741
221	Old Dominion University	199,241,448	234,846,524	17.9%	737,350	716,279	-2.9%	0.56	0.56	468,226
222	Department of Professional and Occupational Regulation	10,890,506	11,973,914	9.9%	12,398	10,564	-14.8%	0.86	0.88	6,844
223	Department of Health Professions	19,412,506	22,711,468	17.0%	54,516	59,001	8.2%	1.10	1.33	38,226
226	Board of Accountancy	869,104	958,930	10.3%	1,110	926	-16.6%	0.99	0.99	600
229	VPI Cooperative Extension and Agricultural Experiment Station	58,205,110	62,438,280	7.3%	242,491	214,744	-11.4%	0.65	0.65	139,131
233	Board of Bar Examiners	699,207	760,321	8.7%	893	734	-17.8%	0.99	0.99	475
234	VSU Cooperative Extension and Agricultural Research Services	5,929,076	6,707,401	13.1%	19,769	18,010	-8.9%	0.86	0.81	11,669
236	Virginia Commonwealth University	515,006,205	567,121,621	10.1%	1,945,711	1,451,145	-25.4%	0.68	0.56	953,513
238	Virginia Museum of Fine Arts	16,537,828	19,327,438	16.9%	126,588	134,225	6.0%	0.71	0.85	86,463
239	Frontier Culture Museum of Virginia	1,351,633	1,631,651	20.7%	4,484	3,351	-25.3%	1.30	1.01	2,171
241	Richard Bland College	8,151,384	9,563,430	17.3%	60,374	54,146	-10.3%	1.10	1.02	35,002
242	Christopher Newport University	69,428,854	77,862,189	12.1%	442,990	376,335	-15.0%	0.70	0.69	259,814
245	State Council of Higher Education for Virginia	4,309,326	4,752,213	10.3%	5,224	4,355	-16.6%	0.94	0.94	2,822
246	University of Virginia's College at Wise	22,123,919	21,470,083	-3.0%	147,744	119,113	-19.4%	0.96	0.97	77,173
247	George Mason University	502,561,499	579,464,763	15.3%	1,232,084	1,145,208	-7.1%	0.50	0.48	796,191
260	Virginia Community College System	536,239,678	583,627,619	8.8%	1,702,988	1,244,507	-26.9%	0.84	0.70	872,110
262	Department for Aging and Rehabilitative Services	53,197,243	60,878,647	14.4%	114,831	69,702	-39.3%	1.20	0.85	45,013

**COMMONWEALTH OF VIRGINIA
WORKERS' COMPENSATION
SELF INSURANCE FUND**

SUMMARY OF PAYROLL, PREMIUMS, AND EXPERIENCE MODIFICATION FACTORS

Agency Code	Agency Name	Payroll			Pay As You Go Premium			Experience Modification Factors		Adjusted FY 2024 Estimated Commercial Premium
		2023*	2024	% Change	2023	2024	% Change	Prior	Current	
		(3a)	(3b)	(3c)	(4a)	(4b)	(4c)	(5a)	(5b)	
263	Virginia Rehabilitation Center for the Blind and Vision Impaired	1,127,038	1,380,502	22.5%	3,665	3,803	3.8%	0.95	0.95	2,464
268	Virginia Institute of Marine Science	25,713,444	27,899,930	8.5%	174,011	148,134	-14.9%	0.70	0.67	95,975
301	Department of Agriculture and Consumer Services	27,989,728	30,970,240	10.6%	346,228	253,680	-26.7%	0.82	0.74	164,357
307	Virginia Agricultural Council	0	0	N/A	0	0	N/A	1.00	1.00	0
309	Virginia Innovation Partnership Authority	0	0	N/A	0	0	N/A	1.00	1.00	0
330	Virginia-Israel Advisory Board	122,370	130,674	6.8%	158	127	-19.3%	1.00	1.00	83
350	Department of Small Business and Supplier Diversity	2,926,473	3,759,471	28.5%	3,925	3,812	-2.9%	1.04	1.04	2,470
402	Marine Resources Commission	8,605,520	9,158,128	6.4%	136,342	141,751	4.0%	0.74	0.93	93,190
403	Department of Wildlife Resources	26,928,108	30,391,265	12.9%	711,938	677,037	-4.9%	1.72	1.95	437,902
405	Virginia Racing Commission	483,645	685,631	41.8%	1,013	779	-23.1%	0.99	0.99	504
409	Department of Mines, Minerals and Energy	12,353,499	13,044,678	5.6%	185,188	210,726	13.8%	0.67	1.04	137,712
411	Department of Forestry	12,946,187	14,154,154	9.3%	290,956	267,209	-8.2%	1.06	1.22	173,123
413	Commission on the Virginia Alcohol Safety Action Program	625,788	695,223	11.1%	2,824	2,390	-15.3%	0.96	0.97	1,549
417	Gunston Hall	264,820	336,011	26.9%	2,241	2,742	22.4%	0.97	0.97	1,777
423	Department of Historic Resources	3,214,108	3,842,410	19.5%	11,130	10,376	-6.8%	1.34	1.39	6,723
425	Jamestown-Yorktown Foundation	7,613,933	9,380,636	23.2%	136,024	160,460	18.0%	0.99	1.22	103,933
440	Department of Environmental Quality	55,707,846	61,539,284	10.5%	576,530	491,918	-14.7%	0.46	0.50	318,711
454	Secretary of Veterans and Defense Affairs	658,445	578,575	-12.1%	841	558	-33.6%	0.99	0.99	362
501	Department of Transportation	508,261,187	560,697,246	10.3%	11,575,442	9,233,097	-20.2%	0.59	0.59	6,274,680
505	Department of Rail and Public Transportation	5,972,246	6,022,323	0.8%	7,736	5,856	-24.3%	0.94	0.94	3,794
506	Motor Vehicle Dealer Board	1,350,624	1,458,668	8.0%	3,480	2,982	-14.3%	0.97	0.98	1,932
601	Department of Health	201,085,290	213,090,255	6.0%	1,686,325	1,177,075	-30.2%	0.66	0.62	821,019
602	Department of Medical Assistance Services	44,709,387	53,074,900	18.7%	62,272	62,614	0.5%	1.08	1.21	40,567
606	Virginia Board for People with Disabilities	738,392	785,612	6.4%	943	758	-19.6%	0.99	0.99	491
702	Department for the Blind and Vision Impaired	14,251,529	15,403,690	8.1%	75,312	82,164	9.1%	0.89	1.15	53,233
720	Department of Behavioral Health and Developmental Services	39,533,068	45,984,873	16.3%	89,008	79,727	-10.4%	1.30	1.35	51,021
751	Department for the Deaf and Hard-of-Hearing	583,526	596,490	2.2%	745	576	-22.7%	0.99	0.99	373
765	Department of Social Services	96,840,352	111,587,516	15.2%	93,932	80,685	-14.1%	0.73	0.73	52,275
766	Virginia Parole Board	1,506,915	2,042,874	35.6%	2,115	2,156	1.9%	0.99	0.99	1,397
777	Department of Juvenile Justice	79,738,844	81,191,134	1.8%	2,151,646	1,607,623	-25.3%	1.45	1.39	1,146,117
778	Department of Forensic Science	26,161,782	28,892,355	10.4%	231,161	198,134	-14.3%	0.91	0.96	128,370
792	Mental Health Treatment Centers	230,005,260	284,075,780	23.5%	8,315,783	7,637,251	-8.2%	1.84	1.82	5,332,496
793	Intellectual Disabilities Training Centers	24,986,947	32,091,358	28.4%	587,882	834,124	41.9%	1.27	1.54	737,182
794	Virginia Center for Behavioral Rehabilitation	22,632,235	28,305,933	25.1%	822,080	650,785	-20.8%	1.16	1.00	422,726
799	Department of Corrections	529,409,964	587,256,729	10.9%	9,944,202	8,925,046	-10.2%	0.92	0.99	6,419,153
820	Capitol Square Preservation Council	96,702	103,220	6.7%	125	101	-19.3%	1.00	1.00	65
834	Virginia Freedom of Information Advisory Council	150,521	170,065	13.0%	194	166	-14.6%	1.00	1.00	107
839	Virginia Commission on Youth	226,151	259,043	14.5%	292	253	-13.4%	1.00	1.00	164
841	Department of Aviation	2,816,318	3,151,631	11.9%	36,956	22,218	-39.9%	1.17	0.85	14,395
842	Chesapeake Bay Commission	94,529	102,233	8.1%	122	100	-18.2%	1.00	1.00	65
844	Joint Commission on Health Care	391,296	531,700	35.9%	500	513	2.7%	0.99	0.99	333
847	Joint Commission on Technology and Science	149,046	67,469	-54.7%	192	66	-65.8%	1.00	1.00	43
848	Indigent Defense Commission	35,708,893	41,857,980	17.2%	55,075	31,540	-42.7%	1.22	0.80	21,153
856	Opioid Abatement Authority	0	288,750	N/A	0	80	N/A	1.00	1.00	52
876	Virginia Conflict of Interest and Ethics Advisory Council	307,630	346,942	12.8%	393	338	-13.9%	0.99	1.00	219

**COMMONWEALTH OF VIRGINIA
WORKERS' COMPENSATION
SELF INSURANCE FUND**

SUMMARY OF PAYROLL, PREMIUMS, AND EXPERIENCE MODIFICATION FACTORS

Agency Code (1)	Agency Name (2)	Payroll			Pay As You Go Premium			Experience Modification Factors		Adjusted FY 2024 Estimated Commercial Premium (6)
		2023* (3a)	2024 (3b)	% Change (3c)	2023 (4a)	2024 (4b)	% Change (4c)	Prior (5a)	Current (5b)	
882	Behavioral Health Commission	240,000	412,000	71.7%	81	142	75.5%	1.00	1.00	92
912	Department of Veterans Services	60,139,990	62,484,742	3.9%	846,941	497,400	-41.3%	1.34	1.06	403,250
913	Veterans Service Foundation	98,310	148,830	51.4%	58	79	34.8%	1.00	1.00	51
937	Southern Virginia Higher Education Center	2,182,665	2,775,033	27.1%	2,702	2,624	-2.9%	0.96	0.97	1,700
938	New College Institute	1,162,946	1,303,655	12.1%	1,630	1,319	-19.1%	0.98	0.98	855
942	Virginia Museum of Natural History	1,481,618	1,723,059	16.3%	1,987	1,730	-12.9%	1.04	1.03	1,121
948	Southwest Virginia Higher Education Center	1,255,378	1,393,119	11.0%	7,968	6,216	-22.0%	0.90	0.91	4,028
957	Commonwealth's Attorneys' Services Council	577,470	635,696	10.1%	737	614	-16.8%	0.99	0.99	398
960	Department of Fire Programs	5,510,143	6,037,777	9.6%	142,470	111,696	-21.6%	1.15	0.93	72,156
961	Division of Capitol Police	5,243,775	6,911,923	31.8%	110,929	124,355	12.1%	0.84	0.90	80,541
977	Virginia Cannabis Control Authority	0	164,701	N/A	0	579	N/A	1.00	1.00	375
980	In-State Undergraduate Tuition Moderation	0	0	N/A	0	0	N/A	1.00	1.00	0
999	Virginia Alcoholic Beverage Control Authority	111,700,761	126,599,840	13.3%	1,730,637	1,390,193	-19.7%	1.04	0.91	925,041
Statewide Total		8,242,898,561	9,202,830,356	11.6%	74,182,847	63,716,657	-14.1%	0.89	0.87	43,881,343

*Column (3a) uses the estimated FY 2023 payroll used in the FY 2023 premium allocation.

**COMMONWEALTH OF VIRGINIA
WORKERS' COMPENSATION
SELF INSURANCE FUND**

SUMMARY OF COMBINED AGENCY CODES

GIVEN AGENCY:	ROLLED INTO:
10 - Virginia Polytechnic Institute & State University	208 - Virginia Polytechnic Institute and State University
11 - Department of State Police	156 - Department of State Police
100 - Senate of Virginia	100 - Senate of Virginia
101 - Virginia House of Delegates	101 - Virginia House of Delegates
103 - Magistrate System	103 - Magistrate System
107 - Division of Legislative Services	107 - Division of Legislative Services
109 - Division of Legislative Automated Systems	109 - Division of Legislative Automated Systems
110 - Joint Legislative Audit and Review Commission	110 - Joint Legislative Audit and Review Commission
111 - Supreme Court of Virginia	111 - Supreme Court of Virginia
112 - Judicial Inquiry and Review Commission	112 - Judicial Inquiry and Review Commission
113 - Circuit Courts	113 - Circuit Courts
114 - General District Courts	114 - General District Courts
115 - Juvenile and Domestic Relations District Courts	115 - Juvenile and Domestic Relations District Courts
116 - Combined District Courts	116 - Combined District Courts
117 - Virginia State Bar	117 - Virginia State Bar
119 - Lieutenant Governor	119 - Lieutenant Governor
121 - Office of the Governor	121 - Office of the Governor
122 - Department of Planning and Budget	122 - Department of Planning and Budget
123 - Department of Military Affairs	123 - Department of Military Affairs
125 - Court of Appeals of Virginia	125 - Court of Appeals of Virginia
127 - Department of Emergency Management	127 - Department of Emergency Management
128 - Virginia Veteran's Care Center	912 - Department of Veterans Services
129 - Department of Human Resource Management	129 - Department of Human Resource Management
132 - Department of Elections	132 - Department of Elections
133 - Auditor of Public Accounts	133 - Auditor of Public Accounts
136 - Virginia Information Technologies Agency	136 - Virginia Information Technologies Agency
140 - Department of Criminal Justice Services	140 - Department of Criminal Justice Services
141 - Attorney General and Department of Law	141 - Attorney General and Department of Law
142 - Virginia State Crime Commission	107 - Division of Legislative Services
143 - Division of Debt Collection	141 - Attorney General and Department of Law
146 - The Science Museum of Virginia	146 - The Science Museum of Virginia
147 - Office of the State Inspector General	147 - Office of the State Inspector General
148 - Virginia Commission for the Arts	148 - Virginia Commission for the Arts
151 - Department of Accounts	151 - Department of Accounts
152 - Department of the Treasury	152 - Department of the Treasury
154 - Department of Motor Vehicles	154 - Department of Motor Vehicles
156 - Department of State Police	156 - Department of State Police
157 - Compensation Board	157 - Compensation Board
158 - Virginia Retirement System	158 - Virginia Retirement System
160 - Virginia Criminal Sentencing Commission	160 - Virginia Criminal Sentencing Commission
161 - Department of Taxation	161 - Department of Taxation
162 - Department of Accounts Transfer Payments	162 - Department of Accounts Transfer Payments
163 - Department for the Aging	262 - Department of Rehabilitative Services
164 - Virginia Management Fellows Program Administration	129 - Department of Human Resource Management
165 - Department of Housing and Community Development	165 - Department of Housing and Community Development
166 - Secretary of the Commonwealth	166 - Secretary of the Commonwealth
171 - State Corporation Commission	171 - State Corporation Commission
172 - Virginia Lottery	172 - Virginia Lottery
174 - Virginia College Savings Plan	174 - Virginia College Savings Plan
180 - Secretary of Administration	180 - Secretary of Administration
181 - Department of Labor and Industry	181 - Department of Labor and Industry
182 - Virginia Employment Commission	182 - Virginia Employment Commission
183 - Secretary of Natural Resources	183 - Secretary of Natural Resources
185 - Secretary of Education	185 - Secretary of Education
186 - Secretary of Transportation	186 - Secretary of Transportation
187 - Secretary of Public Safety and Homeland Security	187 - Secretary of Public Safety and Homeland Security
188 - Secretary of Health and Human Resources	188 - Secretary of Health and Human Resources
190 - Secretary of Finance	190 - Secretary of Finance
191 - Virginia Workers' Compensation Commission	191 - Virginia Workers' Compensation Commission
192 - Secretary of Commerce and Trade	192 - Secretary of Commerce and Trade
193 - Secretary of Agriculture and Forestry	193 - Secretary of Agriculture and Forestry
194 - Department of General Services	194 - Department of General Services
195 - Secretary of Labor	195 - Secretary of Labor
199 - Department of Conservation and Recreation	199 - Department of Conservation and Recreation
200 - Childrens Services	200 - Childrens Services
201 - Department of Education, Central Office Operations	201 - Department of Education, Central Office Operations
202 - The Library of Virginia	202 - The Library of Virginia
203 - Wilson Workforce and Rehabilitation Center	203 - Wilson Workforce and Rehabilitation Center
204 - The College of William and Mary In Virginia	204 - The College of William and Mary In Virginia
207 - University of Virginia	207 - University of Virginia

**COMMONWEALTH OF VIRGINIA
WORKERS' COMPENSATION
SELF INSURANCE FUND**

SUMMARY OF COMBINED AGENCY CODES

GIVEN AGENCY:	ROLLED INTO:
208 - Virginia Polytechnic Institute and State University	208 - Virginia Polytechnic Institute and State University
209 - University of Virginia Medical Center	209 - University of Virginia Medical Center
211 - Virginia Military Institute	211 - Virginia Military Institute
212 - Virginia State University	212 - Virginia State University
213 - Norfolk State University	213 - Norfolk State University
214 - Longwood University	214 - Longwood University
215 - University of Mary Washington	215 - University of Mary Washington
216 - James Madison University	216 - James Madison University
217 - Radford University	217 - Radford University
218 - Virginia School for the Deaf and the Blind	218 - Virginia School for the Deaf and the Blind
221 - Old Dominion University	221 - Old Dominion University
222 - Department of Professional and Occupational Regulation	222 - Department of Professional and Occupational Regulation
223 - Department of Health Professions	223 - Department of Health Professions
226 - Board of Accountancy	226 - Board of Accountancy
229 - VPI Cooperative Extension and Agricultural Experiment Station	229 - VPI Cooperative Extension and Agricultural Experiment Station
232 - Dept of Minority Business Enterprise	350 - Department of Small Business and Supplier Diversity
233 - Board of Bar Examiners	233 - Board of Bar Examiners
234 - VSU Cooperative Extension and Agricultural Research Services	234 - VSU Cooperative Extension and Agricultural Research Services
236 - Virginia Commonwealth University	236 - Virginia Commonwealth University
238 - Virginia Museum of Fine Arts	238 - Virginia Museum of Fine Arts
239 - Frontier Culture Museum of Virginia	239 - Frontier Culture Museum of Virginia
241 - Richard Bland College	241 - Richard Bland College
242 - Christopher Newport University	242 - Christopher Newport University
245 - State Council of Higher Education for Virginia	245 - State Council of Higher Education for Virginia
246 - University of Virginia's College at Wise	246 - University of Virginia's College at Wise
247 - George Mason University	247 - George Mason University
260 - Virginia Community College System	260 - Virginia Community College System
261 - Virginia Community College System	260 - Virginia Community College System
262 - Department for Aging and Rehabilitative Services	262 - Department for Aging and Rehabilitative Services
263 - Virginia Rehabilitation Center for the Blind and Vision Impaired	263 - Virginia Rehabilitation Center for the Blind and Vision Impaired
268 - Virginia Institute of Marine Science	268 - Virginia Institute of Marine Science
270 - Virginia Community College System - Shared Services Center	260 - Virginia Community College System
275 - New River Community College	260 - Virginia Community College System
276 - Southside Virginia Community College	260 - Virginia Community College System
277 - Paul D. Camp Community College	260 - Virginia Community College System
278 - Rappahannock Community College	260 - Virginia Community College System
279 - Danville Community College	260 - Virginia Community College System
280 - Northern Virginia Community College	260 - Virginia Community College System
282 - Piedmont Virginia Community College	260 - Virginia Community College System
283 - J. Sargeant Reynolds Community College	260 - Virginia Community College System
284 - Eastern Shore Community College	260 - Virginia Community College System
285 - Patrick & Henry Community College	260 - Virginia Community College System
286 - Virginia Western Community College	260 - Virginia Community College System
287 - Mountain Gateway Community College	260 - Virginia Community College System
288 - Wytheville Community College	260 - Virginia Community College System
290 - Brightpoint Community College	260 - Virginia Community College System
291 - Blue Ridge Community College	260 - Virginia Community College System
292 - Central Virginia Community College	260 - Virginia Community College System
293 - Thomas Nelson Community College	260 - Virginia Community College System
294 - Southwest Virginia Community College	260 - Virginia Community College System
295 - Tidewater Community College	260 - Virginia Community College System
296 - Virginia Highlands Community College	260 - Virginia Community College System
297 - Germanna Community College	260 - Virginia Community College System
298 - Laurel Ridge Community College	260 - Virginia Community College System
299 - Mountain Empire Community College	260 - Virginia Community College System
301 - Department of Agriculture and Consumer Services	301 - Department of Agriculture and Consumer Services
307 - Virginia Agricultural Council	307 - Virginia Agricultural Council
309 - Virginia Innovation Partnership Authority	309 - Virginia Innovation Partnership Authority
325 - Department of Business Assistance	350 - Department of Small Business and Supplier Diversity
330 - Virginia-Israel Advisory Board	330 - Virginia-Israel Advisory Board
350 - Department of Small Business and Supplier Diversity	350 - Department of Small Business and Supplier Diversity
400 - Jamestown-Yorktown Commemorations	425 - Jamestown-Yorktown Foundation
402 - Marine Resources Commission	402 - Marine Resources Commission
403 - Department of Wildlife Resources	403 - Department of Wildlife Resources
405 - Virginia Racing Commission	405 - Virginia Racing Commission
409 - Department of Mines, Minerals and Energy	409 - Department of Mines, Minerals and Energy
411 - Department of Forestry	411 - Department of Forestry
413 - Commission on the Virginia Alcohol Safety Action Program	413 - Commission on the Virginia Alcohol Safety Action Program
417 - Gunston Hall	417 - Gunston Hall
423 - Department of Historic Resources	423 - Department of Historic Resources

**COMMONWEALTH OF VIRGINIA
WORKERS' COMPENSATION
SELF INSURANCE FUND**

SUMMARY OF COMBINED AGENCY CODES

GIVEN AGENCY:	ROLLED INTO:
425 - Jamestown-Yorktown Foundation	425 - Jamestown-Yorktown Foundation
440 - Department of Environmental Quality	440 - Department of Environmental Quality
454 - Secretary of Veterans and Defense Affairs	454 - Secretary of Veterans and Defense Affairs
501 - Department of Transportation	501 - Department of Transportation
502 - Central Garage	501 - Department of Transportation
503 - Department of Transportation Transfer Payments	501 - Department of Transportation
505 - Department of Rail and Public Transportation	505 - Department of Rail and Public Transportation
506 - Motor Vehicle Dealer Board	506 - Motor Vehicle Dealer Board
510 - VDOT - Central Office	501 - Department of Transportation
511 - VDOT - Bristol District	501 - Department of Transportation
512 - VDOT - Salem District	501 - Department of Transportation
513 - VDOT - Lynchburg District	501 - Department of Transportation
514 - VDOT - Richmond District	501 - Department of Transportation
515 - VDOT - Suffolk District	501 - Department of Transportation
516 - VDOT - Fredicksburg District	501 - Department of Transportation
517 - VDOT - Culpeper District	501 - Department of Transportation
518 - VDOT - Staunton District	501 - Department of Transportation
519 - VDOT - Northern Virginia District	501 - Department of Transportation
520 - VDOT - Hourly	501 - Department of Transportation
601 - Department of Health	601 - Department of Health
602 - Department of Medical Assistance Services	602 - Department of Medical Assistance Services
606 - Virginia Board for People with Disabilities	606 - Virginia Board for People with Disabilities
701 - Department of Corrections	799 - Department of Corrections
702 - Department for the Blind and Vision Impaired	702 - Department for the Blind and Vision Impaired
703 - Central State Hospital	792 - Mental Health Treatment Centers
704 - Eastern State Hospital	792 - Mental Health Treatment Centers
705 - Southwestern Virginia Mental Health Institute	792 - Mental Health Treatment Centers
706 - Western State Hospital	792 - Mental Health Treatment Centers
707 - Central Virginia Training Center	793 - Intellectual Disabilities Training Centers
708 - Dejarnette Center	792 - Mental Health Treatment Centers
709 - Powhatan Correctional Center	799 - Department of Corrections
711 - Virginia Correctional Enterprises	799 - Department of Corrections
716 - Correctional Center for Women	799 - Department of Corrections
717 - Southampton Correctional Center	799 - Department of Corrections
718 - Bland Correctional Center	799 - Department of Corrections
719 - James River Correctional Center	799 - Department of Corrections
720 - Department of Behavioral Health and Developmental Services	720 - Department of Behavioral Health and Developmental Services
721 - State Farm Enterprise Unit	799 - Department of Corrections
723 - Southeastern Virginia Training Center	793 - Intellectual Disabilities Training Centers
724 - Catawba Hospital	792 - Mental Health Treatment Centers
728 - Northern Virginia Mental Health Institute	792 - Mental Health Treatment Centers
729 - Piedmont Geriatric Hospital	792 - Mental Health Treatment Centers
730 - Brunswick Correctional Center	799 - Department of Corrections
733 - Sussex I Correctional Center	799 - Department of Corrections
737 - St. Brides Correctional Center	799 - Department of Corrections
739 - Southern Virginia Mental Health Institute	792 - Mental Health Treatment Centers
742 - Dept of Corrections - Employee Relations Training Unit	799 - Department of Corrections
743 - Fluvanna Women's Correctional Center	799 - Department of Corrections
745 - Nottoway Correctional Center	799 - Department of Corrections
747 - Marion Correctional Treatment Center	799 - Department of Corrections
748 - Hiram W. Davis Medical Center	793 - Intellectual Disabilities Training Centers
749 - Buckingham Correctional Center	799 - Department of Corrections
751 - Department for the Deaf and Hard-of-Hearing	751 - Department for the Deaf and Hard-of-Hearing
752 - State Farm Complex	799 - Department of Corrections
753 - Deerfield Correctional Center	799 - Department of Corrections
754 - Augusta Correctional Center	799 - Department of Corrections
756 - Dept of Corrections - Division of Field Operations	799 - Department of Corrections
757 - Western Regional Field Units	799 - Department of Corrections
760 - Central Regional Field Units	799 - Department of Corrections
761 - Eastern Regional Field Units	799 - Department of Corrections
765 - Department of Social Services	765 - Department of Social Services
766 - Virginia Parole Board	766 - Virginia Parole Board
767 - Dept of Corrections - Division of Community Corrections	799 - Department of Corrections
768 - Keen Mountain Correctional Center	799 - Department of Corrections
769 - Greensville Correctional Center	799 - Department of Corrections
770 - Dillwyn Correctional Center	799 - Department of Corrections
771 - Indian Creek Correctional Center	799 - Department of Corrections
772 - Haynesville Correctional Center	799 - Department of Corrections
773 - Coffeewood Correctional Center	799 - Department of Corrections
774 - Lunenburg Correctional Center	799 - Department of Corrections

**COMMONWEALTH OF VIRGINIA
WORKERS' COMPENSATION
SELF INSURANCE FUND**

SUMMARY OF COMBINED AGENCY CODES

GIVEN AGENCY:	ROLLED INTO:
777 - Department of Juvenile Justice	777 - Department of Juvenile Justice
778 - Department of Forensic Science	778 - Department of Forensic Science
779 - Sussex I and II State Prisons Complex	799 - Department of Corrections
786 - Culpeper Correctional Facility for Women	799 - Department of Corrections
792 - Mental Health Treatment Centers	792 - Mental Health Treatment Centers
793 - Intellectual Disabilities Training Centers	793 - Intellectual Disabilities Training Centers
794 - Virginia Center for Behavioral Rehabilitation	794 - Virginia Center for Behavioral Rehabilitation
795 - Division of Institutions	799 - Department of Corrections
799 - Department of Corrections	799 - Department of Corrections
820 - Capitol Square Preservation Council	820 - Capitol Square Preservation Council
834 - Virginia Freedom of Information Advisory Council	834 - Virginia Freedom of Information Advisory Council
839 - Virginia Commission on Youth	839 - Virginia Commission on Youth
841 - Department of Aviation	841 - Department of Aviation
842 - Chesapeake Bay Commission	842 - Chesapeake Bay Commission
844 - Joint Commission on Health Care	844 - Joint Commission on Health Care
847 - Joint Commission on Technology and Science	847 - Joint Commission on Technology and Science
848 - Indigent Defense Commission	848 - Indigent Defense Commission
856 - Opioid Abatement Authority	856 - Opioid Abatement Authority
876 - Virginia Conflict of Interest and Ethics Advisory Council	876 - Virginia Conflict of Interest and Ethics Advisory Council
882 - Behavioral Health Commission	882 - Behavioral Health Commission
902 - Puller Veterans Care Center	912 - Department of Veterans Services
903 - Jones and Cabacoy Veterans Care Center	912 - Department of Veterans Services
912 - Department of Veterans Services	912 - Department of Veterans Services
913 - Veterans Service Foundation	913 - Veterans Service Foundation
937 - Southern Virginia Higher Education Center	937 - Southern Virginia Higher Education Center
938 - New College Institute	938 - New College Institute
942 - Virginia Museum of Natural History	942 - Virginia Museum of Natural History
948 - Southwest Virginia Higher Education Center	948 - Southwest Virginia Higher Education Center
957 - Commonwealth's Attorneys' Services Council	957 - Commonwealth's Attorneys' Services Council
960 - Department of Fire Programs	960 - Department of Fire Programs
961 - Division of Capitol Police	961 - Division of Capitol Police
977 - Virginia Cannabis Control Authority	977 - Virginia Cannabis Control Authority
980 - In-State Undergraduate Tuition Moderation	980 - In-State Undergraduate Tuition Moderation
999 - Virginia Alcoholic Beverage Control Authority	999 - Virginia Alcoholic Beverage Control Authority

Accounting Projections

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022

ACCOUNTING PROJECTIONS WITH THE CASHFLOW PREMIUM ("PAY AS YOU GO")
WORKERS' COMPENSATION (\$000s)

	Fiscal Year Ending 6/30					
	2022	2023	2024	2025	2026	2027
1. FUND BALANCE (BEGINNING OF YEAR)	75,601	92,294	104,054	104,054	104,054	104,054
2. PREMIUM	78,964	74,299	63,836	64,008	63,839	63,279
2a. COMMONWEALTH AGENCIES	78,883	74,183	63,717	63,885	63,714	63,151
2b. VCUHA EFFECTIVE 2002	82	116	119	122	125	128
2c. WORKING CAPITAL ADVANCE	0	0	0	0	0	0
3. NET CASH TRANSFERRED OUT	0	0	0	0	0	0
TRANSFER OF RESERVE	0	0	0	0	0	0
TRANSFER FROM W/C	0	0	0	0	0	0
4. LOSS PAYMENTS	45,889	48,533	49,444	49,618	49,449	48,878
4a. PAYMENTS ON CURRENT ACCIDENT YEAR	6,549	7,888	7,900	7,525	7,166	6,824
4b. PAYMENTS ON ALL PRIOR ACCIDENT YEARS	39,341	40,645	41,544	42,093	42,282	42,053
5. PROGRAM EXPENSES	15,058	16,081	16,483	16,483	16,482	16,485
6. ADMINISTRATIVE EXPENSES	1,580	1,635	1,637	1,637	1,637	1,637
7. INVESTMENT INCOME	255	3,710	3,728	3,731	3,728	3,721
8. FUND BALANCE (END OF YEAR)	92,294	104,054	104,054	104,054	104,054	104,054
REQUIRED RESERVE						
9. UNDISCOUNTED	567,952	572,580	576,459	577,708	576,782	574,191
9a. COMMONWEALTH AGENCIES	564,622	569,356	573,343	574,704	573,891	571,417
9b. VCUHA	3,330	3,224	3,116	3,005	2,891	2,774
10. DISCOUNTED	399,178	402,975	406,093	407,197	406,664	404,942
10a. COMMONWEALTH AGENCIES	396,892	400,735	403,900	405,056	404,579	402,917
10b. VCUHA	2,286	2,240	2,193	2,141	2,085	2,025
FUND POSITION						
11. UNDISCOUNTED	(475,658)	(468,526)	(472,405)	(473,654)	(472,728)	(470,137)
12. DISCOUNTED	(306,884)	(298,921)	(302,039)	(303,143)	(302,610)	(300,887)

NOTES:

(1) PRIOR YEAR END FUND BALANCE EXCEPT THE BALANCE FOR 2022 PROVIDED BY DHRM.

(2) 2022-2023 FROM DHRM, 2024-2027 ARE CASHFLOW.

VCUHA PREMIUMS FOR 2023-2027 EQUAL ESTIMATED LOSS PAYMENTS PLUS 10% ADMINISTRATIVE FEES FROM OUR ANALYSIS AS OF JUNE 30, 2022.

THE 2022 PREMIUMS AND LOSS PAYMENTS INCLUDE AMOUNTS RELATED TO REPAYMENT OF THE WORKING CAPITAL ADVANCE. 2023 AND SUBSEQUENT DO NOT.

(3) FROM DHRM - A NEGATIVE NUMBER REPRESENTS CASH TRANSFERRED IN.

(4) 2022 BASED ON DATA PROVIDED BY DHRM; 2023 THROUGH 2027 FROM EXH. WC TOTAL-5.

(5)-(6) FROM DHRM

(7) $2.78\% \times (\text{ROW (1)} + \text{ROW (2)} - \text{ROW (3)} - (\text{ROW (4)} \times 5) - (\text{ROW (5)} \times 5) - (\text{ROW (6)} \times 5))$; EXCEPT 2022 PROVIDED BY DHRM.

(8) ROW (1)+ROW (2)-ROW (3)-ROW (4)-ROW (5)-ROW (6)+ROW (7).

(9)-(10) REQUIRED RESERVES ARE EXPECTED VALUE PROJECTIONS FROM EXH. WC TOTAL-3 AND WC TOTAL-4; VCUHA FROM SEPARATE ANALYSIS AS OF JUNE 30, 2022.

(11) ROW (8)-ROW (9)

(12) ROW (8)-ROW (10)

DOLLARS ARE IN THOUSANDS.

* ESTIMATES EXCLUDE VCUHA ACCIDENTS OCCURRING ON OR AFTER 7/1/2001; EFFECTIVE 7/1/2001, VCUHA IS NO LONGER A STATE AGENCY.

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022

ACCOUNTING PROJECTIONS WITH CASHFLOW PREMIUM PLUS ONE YEAR'S CASHFLOW
WORKERS' COMPENSATION (\$000s)

	Fiscal Year Ending 6/30					
	2022	2023	2024	2025	2026	2027
1. FUND BALANCE (BEGINNING OF YEAR)	75,601	92,294	104,054	65,066	64,915	64,283
2. PREMIUM	78,964	74,299	25,903	64,915	64,284	66,930
2a. COMMONWEALTH AGENCIES	78,883	74,183	25,783	64,792	64,159	66,802
2b. VCUHA EFFECTIVE 2002	82	116	119	122	125	128
3. NET CASH TRANSFERRED OUT	0	0	0	0	0	0
TRANSFER OF RESERVE	0	0	0	0	0	0
TRANSFER FROM W/C	0	0	0	0	0	0
4. LOSS PAYMENTS	45,889	48,533	49,444	49,618	49,449	48,878
4a. PAYMENTS ON CURRENT ACCIDENT YEAR	6,549	7,888	7,900	7,525	7,166	6,824
4b. PAYMENTS ON ALL PRIOR ACCIDENT YEARS	39,341	40,645	41,544	42,093	42,282	42,053
5. PROGRAM EXPENSES	15,058	16,081	16,483	16,483	16,482	16,485
6. ADMINISTRATIVE EXPENSES	1,580	1,635	1,637	1,637	1,637	1,637
7. INVESTMENT INCOME	255	3,710	2,674	2,672	2,653	2,716
8. FUND BALANCE (END OF YEAR)	92,294	104,054	65,066	64,915	64,283	66,930
REQUIRED RESERVE						
9. UNDISCOUNTED	567,952	572,580	576,459	577,708	576,782	574,191
9a. COMMONWEALTH AGENCIES	564,622	569,356	573,343	574,704	573,891	571,417
9b. VCUHA	3,330	3,224	3,116	3,005	2,891	2,774
10. DISCOUNTED	399,178	402,975	406,093	407,197	406,664	404,942
10a. COMMONWEALTH AGENCIES	396,892	400,735	403,900	405,056	404,579	402,917
10b. VCUHA	2,286	2,240	2,193	2,141	2,085	2,025
FUND POSITION						
11. UNDISCOUNTED	(475,658)	(468,526)	(511,392)	(512,794)	(512,499)	(507,261)
12. DISCOUNTED	(306,884)	(298,921)	(341,027)	(342,282)	(342,381)	(338,012)

NOTES:

(1) PRIOR YEAR END FUND BALANCE EXCEPT THE BALANCE FOR 2022 PROVIDED BY DHRM.

(2) 2022-2023 FROM DHRM, 2024-2027 PRODUCE AN ENDING FUND BALANCE EQUAL TO THE FOLLOWING YEAR'S ESTIMATED CASH FLOW.

VCUHA PREMIUMS FOR 2023-2027 EQUAL ESTIMATED LOSS PAYMENTS PLUS 10% ADMINISTRATIVE FEES FROM OUR ANALYSIS AS OF JUNE 30, 2022.

THE 2022 PREMIUMS AND LOSS PAYMENTS INCLUDE AMOUNTS RELATED TO REPAYMENT OF THE WORKING CAPITAL ADVANCE. 2023 AND SUBSEQUENT DO NOT.

(3) FROM DHRM - A NEGATIVE NUMBER REPRESENTS CASH TRANSFERRED IN.

(4) 2022 BASED ON DATA PROVIDED BY DHRM; 2023 THROUGH 2027 FROM EXH. WC TOTAL-5.

(5)-(6) FROM DHRM

(7) $2.78\% \times (\text{ROW (1)+ROW(2)-ROW(3)-(ROW(4) \times 5)-(ROW (5) \times 5)-(ROW (6) \times 5)})$; EXCEPT 2022 PROVIDED BY DHRM.

(8) ROW (1)+ROW (2)-ROW (3)-ROW (4)-ROW (5)-ROW (6)+ROW (7).

(9)-(10) REQUIRED RESERVES ARE EXPECTED VALUE PROJECTIONS FROM EXH. WC TOTAL-3 AND WC TOTAL-4; VCUHA FROM SEPARATE ANALYSIS AS OF JUNE 30, 2022.

(11) ROW (8)-ROW (9)

(12) ROW (8)-ROW (10)

DOLLARS ARE IN THOUSANDS.

* ESTIMATES EXCLUDE VCUHA ACCIDENTS OCCURRING ON OR AFTER 7/1/2001; EFFECTIVE 7/1/2001, VCUHA IS NO LONGER A STATE AGENCY.

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022

ACCOUNTING PROJECTIONS WITH THE UNDISCOUNTED ACTUARIAL PREMIUM
WORKERS' COMPENSATION (\$000s)

	Fiscal Year Ending 6/30					
	2022	2023	2024	2025	2026	2027
1. FUND BALANCE (BEGINNING OF YEAR)	75,601	92,294	104,054	111,984	117,438	120,807
2. PREMIUM	78,964	74,299	71,552	69,099	66,755	64,525
2a. COMMONWEALTH AGENCIES	78,883	74,183	71,432	68,977	66,630	64,397
2b. VCUHA EFFECTIVE 2002	82	116	119	122	125	128
3. NET CASH TRANSFERRED OUT	0	0	0	0	0	0
TRANSFER OF RESERVE	0	0	0	0	0	0
TRANSFER FROM W/C	0	0	0	0	0	0
4. LOSS PAYMENTS	45,889	48,533	49,444	49,618	49,449	48,878
4a. PAYMENTS ON CURRENT ACCIDENT YEAR	6,549	7,888	7,900	7,525	7,166	6,824
4b. PAYMENTS ON ALL PRIOR ACCIDENT YEARS	39,341	40,645	41,544	42,093	42,282	42,053
5. PROGRAM EXPENSES	15,058	16,081	16,483	16,483	16,482	16,485
6. ADMINISTRATIVE EXPENSES	1,580	1,635	1,637	1,637	1,637	1,637
7. INVESTMENT INCOME	255	3,710	3,943	4,093	4,181	4,221
8. FUND BALANCE (END OF YEAR)	92,294	104,054	111,984	117,438	120,807	122,553
REQUIRED RESERVE						
9. UNDISCOUNTED	567,952	572,580	576,459	577,708	576,782	574,191
9a. COMMONWEALTH AGENCIES	564,622	569,356	573,343	574,704	573,891	571,417
9b. VCUHA	3,330	3,224	3,116	3,005	2,891	2,774
10. DISCOUNTED	399,178	402,975	406,093	407,197	406,664	404,942
10a. COMMONWEALTH AGENCIES	396,892	400,735	403,900	405,056	404,579	402,917
10b. VCUHA	2,286	2,240	2,193	2,141	2,085	2,025
FUND POSITION						
11. UNDISCOUNTED	(475,658)	(468,526)	(464,474)	(460,271)	(455,975)	(451,638)
12. DISCOUNTED	(306,884)	(298,921)	(294,109)	(289,759)	(285,857)	(282,389)

NOTES:

- (1) PRIOR YEAR END FUND BALANCE EXCEPT THE BALANCE FOR 2022 PROVIDED BY DHRM.
(2) 2022-2023 FROM DHRM, 2024 AND FORWARD BASED ON PROJECTIONS OF ULTIMATE LOSSES FROM WC TOTAL-2 PLUS ESTIMATED VCUHA LOSS PAYMENTS AND PROGRAM AND ADMINISTRATIVE EXPENSES IN ROWS 5 AND 6.
VCUHA PREMIUMS FOR 2023-2027 EQUAL ESTIMATED LOSS PAYMENTS PLUS 10% ADMINISTRATIVE FEES FROM OUR ANALYSIS AS OF JUNE 30, 2022.
THE 2022 PREMIUMS AND LOSS PAYMENTS INCLUDE AMOUNTS RELATED TO REPAYMENT OF THE WORKING CAPITAL ADVANCE. 2023 AND SUBSEQUENT DO NOT.
(3) FROM DHRM - A NEGATIVE NUMBER REPRESENTS CASH TRANSFERRED IN.
(4) 2022 BASED ON DATA PROVIDED BY DHRM; 2023 THROUGH 2027 FROM EXH. WC TOTAL-5.
(5)-(6) FROM DHRM
(7) $2.78\% \times (\text{ROW (1)+ROW(2)-ROW(3)-(ROW(4) \times 5)-(ROW (5) \times 5)-(ROW (6) \times 5)})$; EXCEPT 2022 PROVIDED BY DHRM.
(8) $\text{ROW (1)+ROW (2)-ROW (3)-ROW (4)-ROW (5)-ROW (6)+ROW (7)}$.
(9)-(10) REQUIRED RESERVES ARE EXPECTED VALUE PROJECTIONS FROM EXH. WC TOTAL-3 AND WC TOTAL-4; VCUHA FROM SEPARATE ANALYSIS AS OF JUNE 30, 2022.
(11) ROW (8)-ROW (9)
(12) ROW (8)-ROW (10)
DOLLARS ARE IN THOUSANDS.
* ESTIMATES EXCLUDE VCUHA ACCIDENTS OCCURRING ON OR AFTER 7/1/2001; EFFECTIVE 7/1/2001, VCUHA IS NO LONGER A STATE AGENCY.

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022

ACCOUNTING PROJECTIONS WITH THE DISCOUNTED ACTUARIAL PREMIUM
WORKERS' COMPENSATION (\$000s)

	Fiscal Year Ending 6/30					
	2022	2023	2024	2025	2026	2027
1. FUND BALANCE (BEGINNING OF YEAR)	75,601	92,294	104,054	98,968	91,641	82,447
2. PREMIUM	78,964	74,299	58,887	57,017	55,229	53,529
2a. COMMONWEALTH AGENCIES	78,883	74,183	58,768	56,895	55,104	53,401
2b. VCUHA EFFECTIVE 2002	82	116	119	122	125	128
2c. WORKING CAPITAL ADVANCE	0	0	0	0	0	0
3. NET CASH TRANSFERRED OUT	0	0	0	0	0	0
TRANSFER OF RESERVE	0	0	0	0	0	0
TRANSFER FROM W/C	0	0	0	0	0	0
4. LOSS PAYMENTS	45,889	48,533	49,444	49,618	49,449	48,878
4a. PAYMENTS ON CURRENT ACCIDENT YEAR	6,549	7,888	7,900	7,525	7,166	6,824
4b. PAYMENTS ON ALL PRIOR ACCIDENT YEARS	39,341	40,645	41,544	42,093	42,282	42,053
5. PROGRAM EXPENSES	15,058	16,081	16,483	16,483	16,482	16,485
6. ADMINISTRATIVE EXPENSES	1,580	1,635	1,637	1,637	1,637	1,637
7. INVESTMENT INCOME	255	3,710	3,591	3,395	3,144	2,849
8. FUND BALANCE (END OF YEAR)	92,294	104,054	98,968	91,641	82,447	71,825
REQUIRED RESERVE						
9. UNDISCOUNTED	567,952	572,580	576,459	577,708	576,782	574,191
9a. COMMONWEALTH AGENCIES	564,622	569,356	573,343	574,704	573,891	571,417
9b. VCUHA	3,330	3,224	3,116	3,005	2,891	2,774
10. DISCOUNTED	399,178	402,975	406,093	407,197	406,664	404,942
10a. COMMONWEALTH AGENCIES	396,892	400,735	403,900	405,056	404,579	402,917
10b. VCUHA	2,286	2,240	2,193	2,141	2,085	2,025
FUND POSITION						
11. UNDISCOUNTED	(475,658)	(468,526)	(477,491)	(486,067)	(494,336)	(502,366)
12. DISCOUNTED	(306,884)	(298,921)	(307,126)	(315,556)	(324,217)	(333,117)

NOTES:

(1) PRIOR YEAR END FUND BALANCE EXCEPT THE BALANCE FOR 2022 PROVIDED BY DHRM.

(2) 2022-2023 FROM DHRM, 2024 AND FORWARD BASED ON PROJECTIONS OF ULTIMATE LOSSES FROM WC TOTAL-2 PLUS ESTIMATED VCUHA

VCUHA PREMIUMS FOR 2023-2027 EQUAL ESTIMATED LOSS PAYMENTS PLUS 10% ADMINISTRATIVE FEES FROM OUR ANALYSIS AS OF JUNE 30, 2022.

THE 2022 PREMIUMS AND LOSS PAYMENTS INCLUDE AMOUNTS RELATED TO REPAYMENT OF THE WORKING CAPITAL ADVANCE. 2023 AND SUBSEQUENT DO NOT.

(3) FROM DHRM - A NEGATIVE NUMBER REPRESENTS CASH TRANSFERRED IN.

(4) 2022 BASED ON DATA PROVIDED BY DHRM; 2023 THROUGH 2027 FROM EXH. WC TOTAL-5.

(5)-(6) FROM DHRM

(7) $2.78\% \times (\text{ROW (1)} + \text{ROW (2)} - \text{ROW (3)} - (\text{ROW (4)} \times .5) - (\text{ROW (5)} \times .5) - (\text{ROW (6)} \times .5))$; EXCEPT 2022 PROVIDED BY DHRM.

(8) ROW (1)+ROW (2)-ROW (3)-ROW (4)-ROW (5)-ROW (6)+ROW (7).

(9)-(10) REQUIRED RESERVES ARE EXPECTED VALUE PROJECTIONS FROM EXH. WC TOTAL-3 AND WC TOTAL-4; VCUHA FROM SEPARATE ANALYSIS AS OF JUNE 30, 2022.

(11) ROW (8)-ROW (9)

(12) ROW (8)-ROW (10)

DOLLARS ARE IN THOUSANDS.

* ESTIMATES EXCLUDE VCUHA ACCIDENTS OCCURRING ON OR AFTER 7/1/2001; EFFECTIVE 7/1/2001, VCUHA IS NO LONGER A STATE AGENCY.

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022

ACCOUNTING PROJECTIONS WITH OLIVER WYMAN'S RECOMMENDED FUNDING
WORKERS' COMPENSATION (\$000s)

	Fiscal Year Ending 6/30					
	2022	2023	2024	2025	2026	2027
1. FUND BALANCE (BEGINNING OF YEAR)	75,601	92,294	104,054	576,459	577,708	576,782
2. PREMIUM	78,964	74,299	523,463	52,446	50,127	47,972
2a. COMMONWEALTH AGENCIES	78,883	74,183	523,344	52,324	50,002	47,844
2b. VCUHA EFFECTIVE 2002	82	116	119	122	125	128
3. NET CASH TRANSFERRED OUT	0	0	0	0	0	0
TRANSFER OF RESERVE	0	0	0	0	0	0
TRANSFER FROM W/C	0	0	0	0	0	0
4. LOSS PAYMENTS	45,889	48,533	49,444	49,618	49,449	48,878
4a. PAYMENTS ON CURRENT ACCIDENT YEAR	6,549	7,888	7,900	7,525	7,166	6,824
4b. PAYMENTS ON ALL PRIOR ACCIDENT YEARS	39,341	40,645	41,544	42,093	42,282	42,053
5. PROGRAM EXPENSES	15,058	16,081	16,483	16,483	16,482	16,485
6. ADMINISTRATIVE EXPENSES	1,580	1,635	1,637	1,637	1,637	1,637
7. INVESTMENT INCOME	255	3,710	16,506	16,542	16,515	16,437
8. FUND BALANCE (END OF YEAR)	92,294	104,054	576,459	577,708	576,782	574,191
REQUIRED RESERVE						
9. UNDISCOUNTED	567,952	572,580	576,459	577,708	576,782	574,191
9a. COMMONWEALTH AGENCIES	564,622	569,356	573,343	574,704	573,891	571,417
9b. VCUHA	3,330	3,224	3,116	3,005	2,891	2,774
10. DISCOUNTED	399,178	402,975	406,093	407,197	406,664	404,942
10a. COMMONWEALTH AGENCIES	396,892	400,735	403,900	405,056	404,579	402,917
10b. VCUHA	2,286	2,240	2,193	2,141	2,085	2,025
FUND POSITION						
11. UNDISCOUNTED	(475,658)	(468,526)	0	0	0	0
12. DISCOUNTED	(306,884)	(298,921)	170,366	170,512	170,118	169,249

NOTES:

(1) PRIOR YEAR END FUND BALANCE EXCEPT THE BALANCE FOR 2022 PROVIDED BY DHRM.

(2) ACTUAL 2022 AND PROJECTED 2023 PREMIUMS; 2024 SET TO PRODUCE \$0 FUND POSITION.

VCUHA PREMIUMS FOR 2023-2027 EQUAL ESTIMATED LOSS PAYMENTS PLUS 10% ADMINISTRATIVE FEES FROM OUR ANALYSIS AS OF JUNE 30, 2022.

THE 2022 PREMIUMS AND LOSS PAYMENTS INCLUDE AMOUNTS RELATED TO REPAYMENT OF THE WORKING CAPITAL ADVANCE. 2023 AND SUBSEQUENT DO NOT.

(3) FROM DHRM - A NEGATIVE NUMBER REPRESENTS CASH TRANSFERRED IN.

(4) 2022 BASED ON DATA PROVIDED BY DHRM; 2023 THROUGH 2027 FROM EXH. WC TOTAL-5.

(5)-(6) FROM DHRM

(7) $2.78\% \times (\text{ROW (1)} + \text{ROW (2)} - \text{ROW (3)} - (\text{ROW (4)} \times 5) - (\text{ROW (5)} \times 5) - (\text{ROW (6)} \times 5))$; EXCEPT 2022 PROVIDED BY DHRM.

(8) ROW (1)+ROW (2)-ROW (3)-ROW (4)-ROW (5)-ROW (6)+ROW (7).

(9)-(10) REQUIRED RESERVES ARE EXPECTED VALUE PROJECTIONS FROM EXH. WC TOTAL-3 AND WC TOTAL-4; VCUHA FROM SEPARATE ANALYSIS AS OF JUNE 30, 2022.

(11) ROW (8)-ROW (9)

(12) ROW (8)-ROW (10)

DOLLARS ARE IN THOUSANDS.

* ESTIMATES EXCLUDE VCUHA ACCIDENTS OCCURRING ON OR AFTER 7/1/2001; EFFECTIVE 7/1/2001, VCUHA IS NO LONGER A STATE AGENCY.

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022

ACCOUNTING PROJECTIONS WITH 2024 PREMIUM EQUAL TO 2023 PREMIUM
WORKERS' COMPENSATION (\$000s)

	Fiscal Year Ending 6/30					
	2022	2023	2024	2025	2026	2027
1. FUND BALANCE (BEGINNING OF YEAR)	75,601	92,294	104,054	114,811	114,811	114,811
2. PREMIUM	78,964	74,299	74,302	63,717	63,549	62,988
2a. COMMONWEALTH AGENCIES	78,883	74,183	74,183	63,594	63,423	62,860
2b. VCUHA EFFECTIVE 2002	82	116	119	122	125	128
3. NET CASH TRANSFERRED OUT	0	0	0	0	0	0
TRANSFER OF RESERVE	0	0	0	0	0	0
TRANSFER FROM W/C	0	0	0	0	0	0
4. LOSS PAYMENTS	45,889	48,533	49,444	49,618	49,449	48,878
4a. PAYMENTS ON CURRENT ACCIDENT YEAR	6,549	7,888	7,900	7,525	7,166	6,824
4b. PAYMENTS ON ALL PRIOR ACCIDENT YEARS	39,341	40,645	41,544	42,093	42,282	42,053
5. PROGRAM EXPENSES	15,058	16,081	16,483	16,483	16,482	16,485
6. ADMINISTRATIVE EXPENSES	1,580	1,635	1,637	1,637	1,637	1,637
7. INVESTMENT INCOME	255	3,710	4,019	4,022	4,019	4,012
8. FUND BALANCE (END OF YEAR)	92,294	104,054	114,811	114,811	114,811	114,811
REQUIRED RESERVE						
9. UNDISCOUNTED	567,952	572,580	576,459	577,708	576,782	574,191
9a. COMMONWEALTH AGENCIES	564,622	569,356	573,343	574,704	573,891	571,417
9b. VCUHA	3,330	3,224	3,116	3,005	2,891	2,774
10. DISCOUNTED	399,178	402,975	406,093	407,197	406,664	404,942
10a. COMMONWEALTH AGENCIES	396,892	400,735	403,900	405,056	404,579	402,917
10b. VCUHA	2,286	2,240	2,193	2,141	2,085	2,025
FUND POSITION						
11. UNDISCOUNTED	(475,658)	(468,526)	(461,647)	(462,897)	(461,971)	(459,379)
12. DISCOUNTED	(306,884)	(298,921)	(291,282)	(292,385)	(291,853)	(290,130)

NOTES:

(1) PRIOR YEAR END FUND BALANCE EXCEPT THE BALANCE FOR 2022 PROVIDED BY DHRM.

(2) 2022-2023 FROM DHRM, 2024=2023, 2025-2027 ARE CASHFLOW.

VCUHA PREMIUMS FOR 2023-2027 EQUAL ESTIMATED LOSS PAYMENTS PLUS 10% ADMINISTRATIVE FEES FROM OUR ANALYSIS AS OF JUNE 30, 2022.

THE 2022 PREMIUMS AND LOSS PAYMENTS INCLUDE AMOUNTS RELATED TO REPAYMENT OF THE WORKING CAPITAL ADVANCE. 2023 AND SUBSEQUENT DO NOT.

(3) FROM DHRM - A NEGATIVE NUMBER REPRESENTS CASH TRANSFERRED IN.

(4) 2022 BASED ON DATA PROVIDED BY DHRM; 2023 THROUGH 2027 FROM EXH. WC TOTAL-5.

(5)-(6) FROM DHRM

(7) $2.78\% \times (\text{ROW (1)+ROW(2)-ROW(3)-(ROW(4) \times 5)-(ROW (5) \times 5)-(ROW (6) \times 5)})$; EXCEPT 2022 PROVIDED BY DHRM.

(8) ROW (1)+ROW (2)-ROW (3)-ROW (4)-ROW (5)-ROW (6)+ROW (7).

(9)-(10) REQUIRED RESERVES ARE EXPECTED VALUE PROJECTIONS FROM EXH. WC TOTAL-3 AND WC TOTAL-4; VCUHA FROM SEPARATE ANALYSIS AS OF JUNE 30, 2022.

(11) ROW (8)-ROW (9)

(12) ROW (8)-ROW (10)

DOLLARS ARE IN THOUSANDS.

* ESTIMATES EXCLUDE VCUHA ACCIDENTS OCCURRING ON OR AFTER 7/1/2001; EFFECTIVE 7/1/2001, VCUHA IS NO LONGER A STATE AGENCY.



Oliver Wyman
Two Alliance Center
3560 Lenox Road NE, Suite 2400
Atlanta, GA 30326-4266

Fiscal Year 2022 Workers' Compensation Settlements

Claimant Name	Date of Injury	Settlement Amount	Future Exposure	Cost Avoidance due to Settlement
Daniel Vaughan	9/28/2020	\$2,500.00	\$59,200.25	\$56,700.25
Thomas Martin	11/3/2020	\$2,500.00	\$8,774.51	\$6,274.51
George Owens	5/21/2021	\$240,000.00	\$1,454,992.00	\$1,214,992.00
Daniel Crowder	8/23/2016	\$1,000.00	\$5,000.00	\$4,000.00
John Stevers	12/11/2019	\$39,000.00	\$189,892.00	\$150,892.00
John Stevers	8/24/2020	\$1,000.00	\$172.00	-\$828.00
John Stevers	11/5/2020	\$5,000.00	\$0.00	-\$5,000.00
Espanola Gilliam	6/1/2016	\$35,000.00	\$116,671.49	\$81,671.49
Gwen Harris	8/6/2021	\$110,000.00	\$290,714.31	\$180,714.31
Darryl Hawley	7/8/2020	\$9,500.00	\$31,789.01	\$22,289.01
David Justice	5/15/2014	\$15,000.00	\$34,732.06	\$19,732.06
Michael Piner	2/23/2014	\$30,000.00	\$50,636.05	\$20,636.05
		\$490,500.00	\$2,242,573.68	\$1,752,073.68

Settlement Project - Workers' Compensation Settlements FY 22

Claimant Name	Date of Injury	Agency	Settlement Amount	Future Exposure	Cost Avoidance due to Settlement
Paul C. Papadatos	12/18/2018	208	\$ 80,000.00	\$ 350,924.00	\$ 270,924.00
James W. Carroll	1/8/2018	208	\$ 30,000.00	\$ 139,371.00	\$ 109,371.00
Michael D. Brime	10/5/2018	156	\$ 225,000.00	\$ 1,679,621.00	\$ 1,454,621.00
Vanessa A. Richardson	7/18/2018	712	\$ 35,000.00	\$ 286,426.00	\$ 251,426.00
Kristin Huffman	5/9/2016	708	\$ 9,500.00	\$ 22,542.00	\$ 13,042.00
Sandra L. Finney-Fells	11/30/2010	154	\$ 50,000.00	\$ 291,060.00	\$ 241,060.00
Susan P. Culp	2/1/2018	720	\$ 75,000.00	\$ 304,272.00	\$ 229,272.00
Richard B. Lawson	12/2/2018	741	\$ 85,000.00	\$ 381,850.00	\$ 296,850.00
Robin Rexrode	7/1/2018	720	\$ 30,000.00	\$ 148,393.00	\$ 118,393.00
Michael W. Frame	6/21/2019	752	\$ 135,000.00	\$ 289,666.00	\$ 154,666.00
Duane L. Taylor	9/17/2018	769	\$ 120,000.00	\$ 311,053.00	\$ 191,053.00
Tonyia K. Pender	1/5/2017	720	\$ 90,000.00	\$ 250,523.00	\$ 160,523.00
Lisa E. Ackers	1/11/2019	207	\$ 75,000.00	\$ 218,352.00	\$ 143,352.00
Anita M. Rowland	1/4/2013	154	\$ 80,000.00	\$ 200,863.00	\$ 120,863.00
Mona Lynn McWilliams	4/27/2015	209	\$ 35,000.00	\$ 112,260.00	\$ 77,260.00
Shameka D. Jordan	8/21/2017	743	\$ 50,000.00	\$ 178,224.00	\$ 128,224.00
Stacy Wells	5/19/2018	720	\$ 35,000.00	\$ 140,239.00	\$ 105,239.00
Sabrina Miller	12/6/2017	236	\$ 55,000.00	\$ 120,388.00	\$ 65,388.00
Shannon Renee	7/5/2018	720	\$ 22,500.00	\$ 102,823.00	\$ 80,323.00
Flora Skipwith	3/15/2017	213	\$ 90,000.00	\$ 222,069.00	\$ 132,069.00
Jessica Gushwa	8/17/2019	209	\$ 110,000.00	\$ 319,238.00	\$ 209,238.00
Christopher Ratliff	1/10/2020	768	\$ 85,000.00	\$ 319,697.00	\$ 234,697.00
Charles L. Lam	12/9/2019	216	\$ 50,000.00	\$ 184,843.00	\$ 134,843.00
TOTALS			\$ 1,652,000.00	\$ 6,574,697.00	\$ 4,922,697.00

Mr. Aubrey Chigwada, Director
Workers' Compensation Program
Department of Human Resource Management
Office of Workers' Compensation
Commonwealth of Virginia
James Monroe Building, 6th Floor
101 North 14th Street
Richmond, Virginia 23219

October 4, 2022

2022 Workers' Compensation Experience Statistics by Agency

Dear Aubrey,

Enclosed please find our analysis to identify the individual agencies with the most adverse workers' compensation claims experience, for which DHRM/OWC will design programs to mitigate workers' compensation costs. We compiled various experience statistics in order to identify these agencies. The experience statistics used include the 5 and 10 year average (fiscal accident years 2017/2018-2021/2022 and 2012/2013-2021/2022, respectively) incurred claim severities per lost-time claim, the 5 and 10 year lost-time claim frequencies per expected (manual) loss, and the experience modification factors (EMFs) from the last four premium allocation studies.

Description of Experience Statistics

The incurred claim severities are defined as incurred losses as of June 30, 2022 divided by the number of reported lost-time claims as of June 30, 2022. Lost-time claims are defined as claims with a non-zero incurred indemnity value plus zero-value open claims with an "indemnity" claim type.

The claim frequencies are defined as the number of lost-time claims divided by \$1,000 of expected loss. Expected losses are calculated by multiplying the payroll by NCCI job classification by the Virginia industry expected loss rates effective April 1, 2022. Expected losses are used in the denominator of the frequency calculation to normalize for the varying job hazard levels between agencies. Please note that when determining the frequencies for each agency, we calculated accident year 2012/2013-2017/2018 expected losses by assuming the same payroll mix as that of 2018/2019. Likewise, we calculated the 2021/2022 expected losses by assuming the same payroll mix as that of 2020/2021. This was done for ease of calculations. We do not believe that this simplification impacts the findings.

The third category of experience statistics are the experience modification factors calculated in the most recent four premium allocation studies (performed in 2022, 2021, 2020, and 2019). These are calculated in accordance with the formula and parameters specified by NCCI. These calculations are described in detail in the premium allocation studies.

Conclusions

The experience statistics are summarized in the attached Exhibit 1. The historical payroll, unlimited incurred losses and ALAE, incurred losses and ALAE limited to \$500K per claim, and lost-time claim counts are shown in Exhibits 2 through 5, respectively.

In the process of arriving at a list of recommended agencies to be targeted, we have examined the agency claims experience and have also considered the average annual number of lost time claims for each agency. The overall number of lost-time claims is concentrated in a small number of agencies. Of the 148 agencies included in our premium study, only 17 agencies have averaged more than 5 lost-time claims per year over the past five years and only 13 agencies have averaged more than 10 lost-time claims per year over the past five years.

Below is the suggested list of agencies to target. Based on either a five- or ten-year average, these agencies have averaged approximately five or more lost-time claims per year and/or have the highest average experience modification factors for the past four premium allocation studies.

Suggested Targeted Agencies			
Agency Number	Agency Name	Avg EMF Last Four Studies	Five Yr Avg Lost-Time Claim Count
154	Department of Motor Vehicles	1.39	3.60
156	Department of State Police	1.70	38.00
403	Department of Wildlife Resources	1.55	5.20
777	Department of Juvenile Justice	1.47	17.40
792	Mental Health Treatment Centers	2.01	83.80
793	Intellectual Disabilities Training Centers	1.40	10.00
794	Virginia Center for Behavioral Rehabilitation	1.22	4.80
799	Department of Corrections	1.01	67.60
912	Department of Veterans Services	1.39	11.40
999	Virginia Alcoholic Beverage Control Authority	1.18	15.60

In Exhibit 1, for those agencies with 5 or more average annual lost-time claims, we have boxed and bolded all experience statistics that exceed the overall Commonwealth average by 10% or more. DHRM/OWC may want to examine Exhibit 1 in addition to the table above to arrive at a final list of targeted agencies.

Note that the EMFs for agencies 156, 792 and 999 are above the statewide average in all four premium allocation studies but have declined in each successive study. This year, agency 799 was added to the list and agency 216 has dropped off the list. Agency 216 was added to the list last year because the EMF had increased from 0.78 to 1.06 over the prior four premium allocation studies, but the current EMF has

declined to 0.77. Agency 799 was added back to the list because the EMF has increased from 0.92 last year to 0.99 in the current premium allocation study.

This document also includes a summary sheet for each agency in the suggested targeted agency list.

We appreciate this opportunity to be of service to DHRM/OWC. If we can answer any questions about these calculations or be of further assistance, please do not hesitate to contact us.

Sincerely,



Jennifer K. Price, FCAS, MAAA
Direct Dial: (404) 239-6421



William Arthur, FCAS, FIA, MAAA
Direct Dial: (470) 905-8072

Enclosure

Exhibits

COMMONWEALTH OF VIRGINIA
WORKERS' COMPENSATION
SELF INSURANCE FUND

EXPERIENCE STATISTICS BY AGENCY
REVIEW AS OF JUNE 30, 2022

Agency Code	Agency Name	Severity per Lost Time Claim				Lost-Time Claim Frequency per \$1,000 Expected Loss		Experience Modification Factor				Average Annual Lost-Time Claim Count	
		5 Year Unlimited	10 Year Unlimited	5 Year Limited	10 Year Limited	5 Year Average Frequency	10 Year Average Frequency	EMF 2024/2025	2023/2024	2022/2023	2021/2022	5 Year Average	10 Year Average
		(3a)	(3b)	(3c)	(3d)	(4a)	(4b)	(5a)	(5b)	(5c)	(5d)	(6a)	(6b)
100	Senate of Virginia	50	50	50	50	0.000	0.000	0.900	0.890	1.490	1.490	0.000	0.000
101	Virginia House of Delegates	0	0	0	0	0.000	0.000	0.860	0.860	0.870	0.920	0.000	0.000
103	Magistrate System	27,494	29,647	27,494	29,647	0.024	0.037	1.180	0.820	0.840	1.050	0.200	0.300
107	Division of Legislative Services	16,675	19,663	16,675	19,663	0.111	0.113	1.380	1.360	1.860	1.430	0.200	0.200
109	Division of Legislative Automated Systems	0	0	0	0	0.000	0.000	0.970	0.970	0.970	0.970	0.000	0.000
110	Joint Legislative Audit and Review Commission	0	0	0	0	0.000	0.000	0.960	0.960	0.960	0.960	0.000	0.000
111	Supreme Court of Virginia	71,229	56,688	71,229	56,688	0.073	0.054	1.430	1.320	1.300	1.460	0.600	0.400
112	Judicial Inquiry and Review Commission	0	0	0	0	0.000	0.000	0.990	0.990	0.990	0.990	0.000	0.000
113	Circuit Courts	0	0	0	0	0.000	0.000	0.820	0.810	0.790	0.780	0.000	0.000
114	General District Courts	20,090	25,271	20,090	25,271	0.027	0.025	1.020	1.110	1.280	1.170	0.600	0.500
115	Juvenile and Domestic Relations District Courts	84,156	33,136	84,156	33,136	0.012	0.026	0.810	0.980	1.040	1.060	0.200	0.400
116	Combined District Courts	0	18,518	0	18,518	0.000	0.027	1.000	0.970	0.950	0.980	0.000	0.100
117	Virginia State Bar	0	0	0	0	0.000	0.000	0.920	0.920	0.910	0.900	0.000	0.000
119	Lieutenant Governor	0	0	0	0	0.000	0.000	1.000	1.000	1.000	1.000	0.000	0.000
121	Office of the Governor	0	0	0	0	0.000	0.000	0.950	0.940	0.950	0.950	0.000	0.000
122	Department of Planning and Budget	0	0	0	0	0.000	0.000	0.950	0.940	0.940	0.940	0.000	0.000
123	Department of Military Affairs	47,826	44,454	47,826	44,454	0.033	0.037	1.100	1.310	1.180	1.120	3.800	3.800
125	Court of Appeals of Virginia	349,358	90,944	349,358	90,944	0.074	0.159	0.940	1.490	1.320	1.360	0.200	0.400
127	Department of Emergency Management	0	577,810	0	568,254	0.000	0.018	0.910	1.030	1.070	1.330	0.000	0.100
129	Department of Human Resource Management	64,281	66,640	64,281	66,640	0.055	0.031	1.440	1.390	0.890	0.910	0.200	0.100
132	Department of Elections	89,560	89,560	89,560	89,560	0.134	0.091	1.610	1.730	1.690	0.960	0.200	0.100
133	Auditor of Public Accounts	0	20,998	0	20,998	0.000	0.055	0.970	0.970	0.950	0.950	0.000	0.100
136	Virginia Information Technologies Agency	247,656	247,834	247,656	247,834	0.023	0.012	1.460	1.210	1.080	0.810	0.200	0.100
140	Department of Criminal Justice Services	41,341	43,056	41,341	43,056	0.058	0.033	1.410	1.370	0.980	0.900	0.200	0.100
141	Attorney General and Department of Law	0	33,487	0	33,487	0.000	0.008	0.860	0.800	0.830	0.800	0.000	0.100
146	The Science Museum of Virginia	0	0	0	0	0.000	0.000	0.900	0.900	0.910	0.910	0.000	0.000
147	Office of the State Inspector General	0	0	0	0	0.000	0.000	0.930	0.930	0.940	0.930	0.000	0.000
148	Virginia Commission for the Arts	0	0	0	0	0.000	0.000	0.990	0.990	0.990	0.990	0.000	0.000
151	Department of Accounts	0	0	0	0	0.000	0.000	0.870	0.870	0.890	0.890	0.000	0.000
152	Department of the Treasury	0	428,896	0	428,896	0.000	0.035	1.050	0.990	1.760	1.760	0.000	0.100
154	Department of Motor Vehicles	47,224	76,004	47,224	68,080	0.042	0.063	1.280	1.200	1.220	1.570	3.600	5.100
156	Department of State Police	111,097	119,100	88,572	96,885	0.030	0.031	1.550	1.640	1.700	1.910	38.000	36.600
157	Compensation Board	0	0	0	0	0.000	0.000	0.990	0.980	0.990	0.980	0.000	0.000
158	Virginia Retirement System	0	0	0	0	0.000	0.000	0.790	0.790	0.810	0.830	0.000	0.000
160	Virginia Criminal Sentencing Commission	19,800	19,800	19,800	19,800	0.737	0.389	0.990	0.990	0.990	0.990	0.200	0.100
161	Department of Taxation	33,784	30,234	33,784	30,234	0.032	0.045	1.230	1.080	0.900	1.430	0.600	0.800
162	Department of Accounts Transfer Payments	0	0	0	0	0.000	0.000	1.000	1.000	1.000	1.000	0.000	0.000
165	Department of Housing and Community Development	0	0	0	0	0.000	0.000	0.960	0.950	0.990	0.910	0.000	0.000
166	Secretary of the Commonwealth	0	0	0	0	0.000	0.000	0.990	0.980	0.980	0.980	0.000	0.000
171	State Corporation Commission	0	94,631	0	94,631	0.000	0.005	0.670	0.670	0.930	0.920	0.000	0.200
172	Virginia Lottery	23,727	61,208	23,727	61,208	0.110	0.086	1.240	1.780	1.500	1.540	1.000	0.700
174	Virginia College Savings Plan	0	0	0	0	0.000	0.000	0.890	0.880	0.920	0.920	0.000	0.000
180	Secretary of Administration	0	0	0	0	0.000	0.000	0.980	0.980	0.990	0.990	0.000	0.000
181	Department of Labor and Industry	0	0	0	0	0.000	0.000	0.950	0.940	0.960	0.810	0.000	0.000
182	Virginia Employment Commission	16,369	119,352	16,369	119,352	0.043	0.061	0.850	1.050	1.730	1.940	0.800	1.100
183	Secretary of Natural Resources	0	0	0	0	0.000	0.000	0.990	0.990	0.990	0.990	0.000	0.000
185	Secretary of Education	0	0	0	0	0.000	0.000	0.990	0.990	0.990	0.990	0.000	0.000
186	Secretary of Transportation	0	0	0	0	0.000	0.000	0.990	1.020	1.020	1.020	0.000	0.000
187	Secretary of Public Safety and Homeland Security	0	0	0	0	0.000	0.000	0.990	0.990	0.990	0.990	0.000	0.000
188	Secretary of Health and Human Resources	0	0	0	0	0.000	0.000	0.990	0.990	0.990	0.990	0.000	0.000
190	Secretary of Finance	0	0	0	0	0.000	0.000	0.990	0.990	0.990	0.990	0.000	0.000
191	Virginia Workers' Compensation Commission	0	225,910	0	225,910	0.000	0.010	0.740	0.750	0.980	1.090	0.000	0.200
192	Secretary of Commerce and Trade	0	0	0	0	0.000	0.000	0.990	0.990	0.990	0.990	0.000	0.000
193	Secretary of Agriculture and Forestry	0	0	0	0	0.000	0.000	1.000	0.990	1.000	1.000	0.000	0.000
194	Department of General Services	101,935	110,807	101,935	88,015	0.011	0.018	0.790	0.990	1.120	1.250	1.000	1.600
195	Secretary of Labor	0	0	0	0	0.000	0.000	1.000	1.000	N/A	N/A	0.000	0.000
199	Department of Conservation and Recreation	53,911	44,672	53,911	44,672	0.013	0.025	0.790	0.780	0.870	0.920	3.000	5.300
200	Childrens Services	0	0	0	0	0.000	0.000	0.980	0.980	0.980	0.980	0.000	0.000
201	Department of Education, Central Office Operations	35,861	23,701	35,861	23,701	0.049	0.047	1.210	1.190	1.160	0.930	0.600	0.500
202	The Library of Virginia	14,570	7,296	14,570	7,296	0.063	0.098	0.940	1.130	1.090	1.110	0.200	0.300
203	Wilson Workforce and Rehabilitation Center	90,785	122,013	90,785	83,041	0.009	0.028	0.720	0.780	0.740	1.110	0.400	1.300
204	The College of William and Mary in Virginia	74,494	94,245	74,494	63,998	0.004	0.007	0.630	0.580	0.550	0.690	1.800	2.700
207	University of Virginia	65,335	80,591	61,438	71,754	0.013	0.016	0.830	0.760	0.710	0.670	20.800	22.600
208	Virginia Polytechnic Institute and State University	50,711	86,082	50,711	59,418	0.013	0.016	0.630	0.650	0.830	0.980	21.600	23.600
209	University of Virginia Medical Center	72,439	99,160	71,931	91,496	0.015	0.018	0.970	0.820	0.870	1.000	30.200	32.000
211	Virginia Military Institute	23,603	34,497	23,603	34,497	0.019	0.029	0.900	0.890	0.830	1.050	2.000	2.800
212	Virginia State University	47,912	57,561	47,912	57,561	0.004	0.010	0.630	0.650	0.650	0.710	0.400	0.900
213	Norfolk State University	121,396	109,973	93,458	96,486	0.024	0.025	0.990	1.370	1.780	1.850	2.800	2.900
214	Longwood University	183,508	155,030	183,508	155,030	0.011	0.012	1.140	1.080	0.780	0.900	1.600	1.600
215	University of Mary Washington	240,970	149,472	144,162	107,486	0.016	0.022	0.940	1.220	1.020	0.970	2.000	2.700
216	James Madison University	66,505	66,254	60,241	58,267	0.018	0.021	0.770	1.060	0.990	1.000	11.000	11.400
217	Radford University	46,730	68,395	46,730	68,395	0.006	0.006	0.570	0.620	0.650	0.740	1.400	1.500
218	Virginia School for the Deaf and the Blind	19,059	22,628	19,059	22,628	0.066	0.047	1.190	1.370	1.320	1.260	1.400	1.000
221	Old Dominion University	36,424	60,250	36,424	60,250	0.007	0.009	0.560	0.560	0.610	0.630	3.200	4.200
222	Department of Professional and Occupational Regulation	0	0	0	0	0.000	0.000	0.880	0.860	0.870	0.880	0.000	0.000
223	Department of Health Professions	223,109	224,273	223,109	224,273	0.014	0.008	1.330	1.100	1.120	0.790	0.200	0.100

COMMONWEALTH OF VIRGINIA
WORKERS' COMPENSATION
SELF INSURANCE FUND

EXPERIENCE STATISTICS BY AGENCY
REVIEW AS OF JUNE 30, 2022

Agency Code	Agency Name	Severity per Lost Time Claim				Lost-Time Claim Frequency per \$1,000 Expected Loss		Experience Modification Factor				Average Annual Lost-Time Claim Count	
		5 Year Unlimited	10 Year Unlimited	5 Year Limited at \$500K	10 Year Limited at \$500K	5 Year Average Frequency	10 Year Average Frequency	EMF 2024/2025	2023/2024	2022/2023	2021/2022	5 Year Average	10 Year Average
		(3a)	(3b)	(3c)	(3d)	(4a)	(4b)	(5a)	(5b)	(5c)	(5d)	(6a)	(6b)
226	Board of Accountancy	0	0	0	0	0.000	0.000	0.990	0.990	0.990	0.990	0.000	0.000
229	VPI Cooperative Extension and Agricultural Experiment Station	110,836	245,414	110,836	245,414	0.002	0.002	0.650	0.650	0.860	0.750	0.200	0.200
233	Board of Bar Examiners	0	0	0	0	0.000	0.000	0.990	0.990	0.990	0.990	0.000	0.000
234	VSU Cooperative Extension and Agricultural Research Services	2,196	4,382	2,196	4,382	0.024	0.013	0.810	0.860	0.860	0.880	0.200	0.100
236	Virginia Commonwealth University	72,674	85,220	72,674	70,936	0.006	0.010	0.560	0.680	0.760	0.870	5.800	9.400
238	Virginia Museum of Fine Arts	26,233	67,146	26,233	67,146	0.008	0.004	0.850	0.710	0.750	0.760	0.400	0.200
239	Frontier Culture Museum of Virginia	0	117,075	0	117,075	0.000	0.198	1.010	1.300	1.290	2.240	0.000	0.200
241	Richard Bland College	57,839	47,711	57,839	47,711	0.019	0.016	1.020	1.100	1.090	1.050	0.400	0.300
242	Christopher Newport University	45,882	64,201	45,882	64,201	0.011	0.012	0.690	0.700	0.710	0.750	2.400	2.400
245	State Council of Higher Education for Virginia	0	0	0	0	0.000	0.000	0.940	0.940	0.950	0.950	0.000	0.000
246	University of Virginia's College at Wise	110,957	49,165	110,957	49,165	0.008	0.014	0.970	0.960	0.840	0.880	0.400	0.700
247	George Mason University	56,421	37,784	56,421	37,784	0.006	0.009	0.480	0.500	0.540	0.690	5.200	7.800
260	Virginia Community College System	60,541	74,811	60,541	72,886	0.013	0.015	0.700	0.840	0.760	0.740	10.200	11.900
262	Department for Aging and Rehabilitative Services	180,679	95,012	180,679	95,012	0.022	0.030	0.850	1.200	1.710	1.440	0.600	0.800
263	Virginia Rehabilitation Center for the Blind and Vision Impaired	0	15,430	0	15,430	0.000	0.061	0.950	0.950	0.960	1.090	0.000	0.100
268	Virginia Institute of Marine Science	0	39,845	0	39,845	0.000	0.009	0.670	0.700	0.940	0.990	0.000	0.700
301	Department of Agriculture and Consumer Services	48,196	73,043	48,196	57,492	0.017	0.017	0.740	0.820	0.820	0.860	2.200	2.100
307	Virginia Agricultural Council	0	0	0	0	0.000	0.000	1.000	1.000	1.000	1.000	0.000	0.000
309	Virginia Innovation Partnership Authority	0	0	0	0	0.000	0.000	1.000	1.000	1.000	N/A	0.000	0.000
330	Virginia-Israel Advisory Board	0	0	0	0	0.000	0.000	1.000	1.000	1.000	1.000	0.000	0.000
350	Department of Small Business and Supplier Diversity	0	0	0	0	0.000	0.000	1.040	1.040	1.050	0.980	0.000	0.000
402	Marine Resources Commission	26,705	109,550	26,705	102,168	0.015	0.022	0.930	0.740	0.750	0.940	0.800	1.100
403	Department of Wildlife Resources	98,993	99,409	81,887	89,526	0.042	0.038	1.950	1.720	1.370	1.140	5.200	4.500
405	Virginia Racing Commission	0	0	0	0	0.000	0.000	0.990	0.990	0.990	0.980	0.000	0.000
409	Department of Mines, Minerals and Energy	63,250	54,580	63,250	54,580	0.019	0.015	1.040	0.670	0.650	0.630	1.600	1.300
411	Department of Forestry	332,092	215,556	107,774	76,901	0.017	0.027	1.220	1.060	1.090	1.060	1.400	2.100
413	Commission on the Virginia Alcohol Safety Action Program	0	0	0	0	0.000	0.000	0.970	0.960	0.960	0.960	0.000	0.000
417	Gunston Hall	0	0	0	0	0.000	0.000	0.970	0.970	0.970	0.970	0.000	0.000
423	Department of Historic Resources	17,397	17,397	17,397	17,397	0.080	0.044	1.390	1.340	1.310	0.880	0.200	0.100
425	Jamestown-Yorktown Foundation	53,994	46,235	53,994	46,235	0.023	0.018	1.220	0.990	0.900	0.800	1.200	0.900
440	Department of Environmental Quality	55,705	46,015	55,705	46,015	0.001	0.002	0.500	0.460	0.470	0.520	0.400	0.600
454	Secretary of Veterans and Defense Affairs	0	0	0	0	0.000	0.000	0.990	0.990	0.990	0.990	0.000	0.000
501	Department of Transportation	45,859	60,171	45,859	53,571	0.012	0.013	0.590	0.590	0.590	0.630	64.000	66.400
505	Department of Rail and Public Transportation	0	0	0	0	0.000	0.000	0.940	0.940	0.930	0.930	0.000	0.000
506	Motor Vehicle Dealer Board	0	0	0	0	0.000	0.000	0.980	0.970	0.980	0.960	0.000	0.000
601	Department of Health	70,986	150,042	70,986	105,309	0.007	0.010	0.620	0.660	0.610	0.810	5.200	6.700
602	Department of Medical Assistance Services	102,406	86,204	102,406	86,204	0.025	0.022	1.210	1.080	1.110	0.780	0.400	0.300
606	Virginia Board for People with Disabilities	0	0	0	0	0.000	0.000	0.990	0.990	0.990	0.990	0.000	0.000
702	Department for the Blind and Vision Impaired	19,803	20,197	19,803	20,197	0.029	0.047	1.150	0.890	1.000	1.200	0.800	1.200
720	Department of Behavioral Health and Developmental Services	236,031	501,723	175,729	169,092	0.031	0.046	1.350	1.300	1.370	1.370	0.600	0.700
751	Department of the Deaf and Hard-of-Hearing	0	0	0	0	0.000	0.000	0.990	0.990	0.990	0.990	0.000	0.000
765	Department of Social Services	0	39,503	0	39,503	0.000	0.031	0.730	0.730	0.770	0.790	0.000	1.200
766	Virginia Parole Board	0	0	0	0	0.000	0.000	0.990	0.990	0.990	0.980	0.000	0.000
777	Department of Juvenile Justice	78,605	62,685	49,830	47,471	0.037	0.065	1.390	1.450	1.410	1.620	17.400	31.000
778	Department of Forensic Science	114,107	133,087	114,107	133,087	0.008	0.006	0.960	0.910	0.780	0.680	0.600	0.400
792	Mental Health Treatment Centers	54,216	59,247	50,730	52,662	0.056	0.071	1.820	1.840	2.070	2.300	83.800	99.100
793	Intellectual Disabilities Training Centers	65,115	78,790	65,115	68,351	0.033	0.040	1.540	1.270	1.510	1.290	10.000	20.800
794	Virginia Center for Behavioral Rehabilitation	102,071	157,295	80,293	105,463	0.023	0.028	1.000	1.160	1.140	1.560	4.800	5.000
799	Department of Corrections	53,954	75,237	53,046	64,840	0.020	0.022	0.990	0.920	0.990	1.150	67.600	72.300
820	Capitol Square Preservation Council	0	0	0	0	0.000	0.000	1.000	1.000	1.000	1.000	0.000	0.000
834	Virginia Freedom of Information Advisory Council	0	0	0	0	0.000	0.000	1.000	1.000	1.000	1.000	0.000	0.000
839	Virginia Commission on Youth	0	0	0	0	0.000	0.000	1.000	1.000	1.000	1.000	0.000	0.000
841	Department of Aviation	28,049	41,622	28,049	41,622	0.023	0.024	0.850	1.170	1.190	1.140	0.200	0.200
842	Chesapeake Bay Commission	0	0	0	0	0.000	0.000	1.000	1.000	1.000	1.130	0.000	0.000
844	Joint Commission on Health Care	0	0	0	0	0.000	0.000	0.990	0.990	0.990	0.990	0.000	0.000
847	Joint Commission on Technology and Science	0	0	0	0	0.000	0.000	1.000	1.000	1.000	1.000	0.000	0.000
848	Indigent Defense Commission	98,430	69,844	98,430	69,844	0.015	0.024	0.800	1.220	1.110	1.350	0.200	0.300
856	Opioid Abatement Authority	0	0	0	0	0.000	0.000	1.000	N/A	N/A	N/A	0.000	0.000
876	Virginia Conflict of Interest and Ethics Advisory Council	0	0	0	0	0.000	0.000	1.000	0.990	1.000	1.000	0.000	0.000
882	Behavioral Health Commission	0	0	0	0	0.000	0.000	1.000	1.000	N/A	N/A	0.000	0.000
912	Department of Veterans Services	19,923	29,315	19,923	29,287	0.070	0.091	1.060	1.340	1.230	1.920	11.400	12.900
913	Veterans Service Foundation	0	0	0	0	0.000	0.000	1.000	1.000	1.000	1.000	0.000	0.000
937	Southern Virginia Higher Education Center	0	0	0	0	0.000	0.000	0.970	0.960	0.960	0.960	0.000	0.000
938	New College Institute	0	0	0	0	0.000	0.000	0.980	0.980	0.990	0.990	0.000	0.000
942	Virginia Museum of Natural History	0	115,567	0	115,567	0.000	0.154	1.030	1.040	1.000	1.680	0.000	0.100
948	Southwest Virginia Higher Education Center	0	0	0	0	0.000	0.000	0.910	0.900	0.900	0.920	0.000	0.000
957	Commonwealth's Attorneys' Services Council	0	0	0	0	0.000	0.000	0.990	0.990	0.990	0.990	0.000	0.000
960	Department of Fire Programs	56,528	88,507	56,528	88,507	0.017	0.015	0.930	1.150	1.390	1.240	0.600	0.500
961	Division of Capitol Police	13,699	74,215	13,699	74,215	0.014	0.030	0.900	0.840	0.970	1.490	0.600	1.200
977	Virginia Cannabis Control Authority	0	0	0	0	0.000	0.000	1.000	N/A	N/A	N/A	0.000	0.000
980	In-State Undergraduate Tuition Moderation	0	0	0	0	0.000	0.000	1.000	1.000	1.000	N/A	0.000	0.000
999	Virginia Alcoholic Beverage Control Authority	35,763	54,758	35,763	44,291	0.029	0.037	0.910	1.040	1.340	1.410	15.600	17.500
Statewide Average		\$63,200	\$75,516	\$57,582	\$64,029	0.018	0.022	0.870	0.890	0.940	1.060	479,000	556,000

NOTE: In Columns 3 through 5, for agencies with 5 or more average annual lost-time claims, we have bolded and bordered all experience statistics that exceed the overall Commonwealth average by 10% or more. For Column 6, a value is bolded and bordered if it is greater than or equal to 5.

**COMMONWEALTH OF VIRGINIA
WORKERS' COMPENSATION
SELF INSURANCE FUND**

**HISTORICAL PAYROLL
REVIEW AS OF JUNE 30, 2022**

Agency Code (1)	Agency Name (2)	Historical & Projected Payroll by Fiscal Year Ending 6/30									
		2013 (3a)	2014 (3b)	2015 (3c)	2016 (3d)	2017 (3e)	2018 (3f)	2019 (3g)	2020 (3h)	2021 (3i)	2022 (3g)
100	Senate of Virginia	\$6,148,108	\$6,967,433	\$6,793,442	\$7,038,958	\$7,009,078	\$7,402,784	\$7,497,303	\$9,511,910	\$9,072,742	\$9,698,183
101	Virginia House of Delegates	10,538,402	11,828,096	11,652,071	12,461,130	12,315,790	13,345,678	13,155,952	14,334,100	12,626,208	15,286,855
103	Magistrate System	18,280,836	19,597,167	19,712,408	19,799,474	21,026,983	20,655,745	20,079,697	21,428,900	20,681,654	19,902,358
107	Division of Legislative Services	4,133,988	4,297,918	4,428,232	4,449,137	4,428,220	4,309,619	4,236,855	4,531,535	4,490,773	4,976,504
109	Division of Legislative Automated Systems	1,403,500	1,473,835	1,563,900	1,574,721	1,522,901	1,664,289	1,638,969	1,765,778	1,785,156	1,874,384
110	Joint Legislative Audit and Review Commission	2,094,174	2,267,243	2,259,364	2,379,855	2,338,836	2,451,463	2,469,826	2,904,328	2,883,523	3,065,315
111	Supreme Court of Virginia	14,132,467	14,507,147	13,991,589	14,734,945	14,504,293	15,525,745	15,892,640	16,916,148	19,230,425	22,432,499
112	Judicial Inquiry and Review Commission	336,872	343,927	365,388	368,753	336,530	369,258	363,667	382,076	382,076	412,497
113	Circuit Courts	24,613,655	24,935,542	25,085,666	27,951,241	28,407,163	29,207,341	29,189,872	31,059,093	30,749,414	31,796,229
114	General District Courts	44,797,774	46,396,919	46,260,591	47,948,604	47,743,600	52,604,270	53,240,197	56,090,542	55,006,782	56,728,618
115	Juvenile and Domestic Relations District Courts	33,056,606	34,024,491	34,113,948	36,002,565	35,655,132	39,542,984	39,558,586	42,606,310	42,456,106	44,099,643
116	Combined District Courts	11,553,968	11,746,154	11,473,283	11,748,020	11,730,863	7,621,401	7,238,985	6,987,923	6,403,225	6,535,237
117	Virginia State Bar	6,241,049	6,513,809	6,365,376	6,412,221	6,453,008	6,380,869	6,267,860	6,638,389	6,599,752	6,748,357
119	Lieutenant Governor	156,588	151,597	154,096	163,871	160,801	214,119	249,140	220,869	178,821	200,369
121	Office of the Governor	2,561,551	2,314,083	2,619,078	2,876,224	2,913,335	3,050,938	3,485,593	3,872,492	3,821,008	3,863,696
122	Department of Planning and Budget	3,445,789	3,822,427	3,734,596	3,913,718	3,693,729	3,846,815	3,844,201	4,003,879	3,852,347	4,181,939
123	Department of Military Affairs	13,091,835	12,859,620	13,645,866	15,084,883	15,373,034	16,626,388	16,462,688	19,137,100	19,332,554	18,704,286
125	Court of Appeals of Virginia	5,645,671	5,812,373	5,694,655	5,909,797	5,944,471	6,086,522	6,083,959	5,932,201	6,107,640	9,538,382
127	Department of Emergency Management	7,903,825	7,615,939	7,113,073	6,811,735	8,345,534	9,746,494	9,499,414	9,680,587	12,354,236	12,839,904
129	Department of Human Resource Management	6,557,364	6,766,979	7,011,870	7,520,907	7,732,179	8,214,089	8,484,542	9,392,276	9,308,769	10,222,496
132	Department of Elections	1,713,464	1,653,442	1,539,304	1,676,272	2,398,034	2,829,120	3,260,744	3,839,417	4,061,843	4,614,621
133	Auditor of Public Accounts	6,602,858	7,376,141	7,531,473	7,821,246	8,171,058	8,617,320	8,533,742	8,654,220	8,618,143	9,363,690
136	Virginia Information Technologies Agency	22,052,607	22,922,345	22,702,327	18,914,307	19,552,317	19,703,721	19,973,118	21,064,359	21,271,798	23,871,841
140	Department of Criminal Justice Services	6,339,144	6,563,379	6,570,043	6,593,552	6,601,513	6,862,713	7,145,588	8,412,893	9,064,246	11,080,545
141	Attorney General and Department of Law	24,335,722	26,790,094	27,342,490	29,933,487	29,819,463	30,588,754	30,311,154	31,773,733	30,559,859	35,037,995
146	The Science Museum of Virginia	3,257,180	3,520,527	3,634,852	3,779,738	3,940,225	4,154,949	4,304,134	4,359,724	3,161,168	4,119,616
147	Office of the State Inspector General	2,497,323	2,259,383	2,423,208	2,726,050	2,609,573	2,913,963	2,963,835	3,269,563	3,124,330	3,446,994
148	Virginia Commission for the Arts	236,380	261,734	299,126	289,746	275,797	322,800	315,595	355,054	352,029	338,767
151	Department of Accounts	6,763,630	8,898,477	9,877,568	10,317,712	10,669,836	10,936,888	11,337,279	12,222,124	12,467,129	13,363,041
152	Department of the Treasury	5,884,587	6,341,727	6,557,118	6,878,598	6,785,118	7,056,297	7,424,743	7,893,351	8,118,749	8,555,593
154	Department of Motor Vehicles	84,710,617	87,108,356	87,912,717	92,259,326	92,537,518	93,581,034	94,528,488	101,164,742	99,738,347	105,194,861
156	Department of State Police	143,872,730	151,002,192	148,785,691	154,781,863	153,301,410	167,940,737	173,350,680	178,042,427	187,246,154	203,342,004
157	Compensation Board	938,996	942,965	928,828	990,671	873,133	819,864	915,455	946,191	1,030,732	1,042,437
158	Virginia Retirement System	23,605,965	25,608,642	26,120,319	27,810,654	29,139,158	30,720,536	31,467,879	33,362,138	34,302,170	36,391,251
160	Virginia Criminal Sentencing Commission	530,578	588,710	611,694	647,339	653,089	607,359	653,916	715,499	705,222	710,630
161	Department of Taxation	44,207,731	43,315,059	44,493,248	46,227,633	46,105,982	47,046,669	47,620,682	49,518,254	47,667,040	50,788,520
162	Department of Accounts Transfer Payments	246,780	255,842	263,804	283,403	304,271	109,311	112,966	118,758	118,758	133,199
165	Department of Housing and Community Development	5,873,282	5,760,352	5,835,123	5,825,860	5,836,798	6,285,955	6,435,787	6,811,464	8,063,640	10,337,810
166	Secretary of the Commonwealth	915,774	965,552	989,426	1,033,287	1,081,132	1,042,395	1,006,819	1,132,316	1,213,101	1,366,471
171	State Corporation Commission	42,092,216	43,150,809	43,011,457	44,321,166	46,303,959	48,070,637	48,145,329	50,370,796	50,147,661	53,780,725
172	Virginia Lottery	16,019,745	17,086,492	18,135,117	18,907,945	18,979,704	19,398,282	20,269,693	22,025,727	23,984,485	27,294,718
174	Virginia College Savings Plan	5,812,798	6,246,548	6,807,000	7,207,888	7,420,550	7,986,407	8,431,315	9,682,982	10,535,599	11,266,778
180	Secretary of Administration	723,378	738,506	769,716	802,061	760,425	808,320	1,055,535	1,139,426	1,325,620	1,347,813
181	Department of Labor and Industry	6,609,372	7,171,869	7,619,836	7,846,205	8,101,374	8,213,376	8,132,030	8,791,442	9,210,390	10,041,196
182	Virginia Employment Commission	46,827,865	43,366,263	39,603,442	37,432,438	35,907,800	36,310,185	35,344,619	38,415,291	51,755,982	61,212,722
183	Secretary of Natural Resources	434,420	337,075	433,037	455,137	480,611	454,613	463,687	473,363	475,638	408,309
185	Secretary of Education	410,710	423,031	445,371	466,756	445,650	485,349	468,058	470,708	462,840	464,646
186	Secretary of Transportation	592,355	554,703	599,842	621,198	630,985	570,540	391,686	485,654	515,764	535,075
187	Secretary of Public Safety and Homeland Security	510,660	462,923	695,062	715,284	601,937	607,769	638,315	647,968	540,521	574,551
188	Secretary of Health and Human Resources	612,407	462,854	440,449	448,130	460,296	406,145	469,520	458,924	375,333	347,470
190	Secretary of Finance	381,861	318,463	421,700	425,786	389,841	595,620	484,446	512,940	513,942	538,780
191	Virginia Workers' Compensation Commission	14,810,422	16,187,444	16,147,054	17,366,290	17,700,499	18,453,541	18,157,742	19,511,028	19,246,385	19,678,345
192	Secretary of Commerce and Trade	413,663	316,521	381,117	404,711	403,480	364,408	559,627	608,462	482,113	488,094
193	Secretary of Agriculture and Forestry	194,185	211,168	279,306	286,756	270,071	253,915	294,222	305,446	312,452	290,259
194	Department of General Services	32,743,504	33,994,196	33,426,987	34,304,356	33,900,007	34,754,091	35,224,017	38,366,248	36,342,665	38,323,618
195	Secretary of Labor	0	0	0	0	0	0	0	0	0	424,703
199	Department of Conservation and Recreation	28,890,339	26,667,513	28,250,689	30,211,385	31,557,893	33,871,360	33,394,327	33,117,963	31,794,377	36,285,536
200	Childrens Services	738,307	873,691	817,344	817,344	994,225	1,072,846	1,076,053	1,122,486	1,065,853	1,171,112
201	Department of Education, Central Office Operations	18,977,858	19,091,391	18,971,378	20,879,354	22,255,571	23,579,826	23,528,778	25,588,533	27,104,804	38,351,552
202	The Library of Virginia	6,842,541	6,894,955	6,496,522	6,467,421	6,461,599	6,715,678	6,935,219	7,261,843	7,282,708	7,864,011
203	Wilson Workforce and Rehabilitation Center	12,531,652	13,424,799	13,593,552	13,823,717	14,113,514	14,726,818	13,447,303	12,475,020	10,028,040	9,974,132
204	The College of William and Mary in Virginia	127,973,005	132,397,551	138,764,443	145,155,573	148,600,372	158,766,901	158,436,258	160,729,161	159,003,496	167,124,436
207	University of Virginia	529,724,425	522,970,058	546,399,091	574,723,597	610,053,885	673,926,048	718,839,184	747,646,013	746,006,406	788,909,028
208	Virginia Polytechnic Institute and State University	492,427,614	516,659,998	535,849,172	563,433,581	584,053,524	617,091,807	645,293,809	683,813,363	684,348,891	738,011,496
209	University of Virginia Medical Center	356,803,502	415,328,473	453,528,653	495,575,494	519,647,087	549,676,138	572,468,522	544,901,147	594,072,914	598,187,782
211	Virginia Military Institute	25,959,384	27,517,815	28,132,805	28,696,136	29,358,303	30,844,179	30,755,644	32,469,580	32,983,001	34,708,900
212	Virginia State University	49,751,303	49,743,293	47,744,271	45,798,816	45,714,939	47,230,185	47,945,392	49,445,762	46,288,965	50,246,139
213	Norfolk State University	58,737,360	60,775,933	59,067,107	54,967,728	56,040,533	57,797,575	58,814,685	60,922,143	61,556,650	66,540,417
214	Longwood University	42,152,452	44,610,308	46,023,298	47,895,823	48,745,474	51,661,986	50,480,541	51,204,093	47,838,510	50,657,757
215	University of Mary Washington	46,505,578	47,575,082	48,024,892	47,808,952	48,487,294	50,359,891	50,587,388	50,847,449	46,838,426	48,335,818
216	James Madison University	178,287,043	186,070,606	192,618,039	203,697,305	209,891,522	219,562,844	227,876,337	237,703,673	229,720,473	244,310,098
217	Radford University	70,446,648	74,352,989	78,535,058	81,481,895	83,962,995	83,959,433	85,096,049	95,527,206	92,087,220	93,253,492
218	Virginia School for the Deaf and the Blind	6,582,259	6,544,374	6,250,033	6,134,093	6,371,211	6,114,390	6,200,771	6,531,494	6,337,340	6,472,348
221	Old Dominion University	161,198,507	169,625,215	173,493,974</							

**COMMONWEALTH OF VIRGINIA
WORKERS' COMPENSATION
SELF INSURANCE FUND**

**HISTORICAL PAYROLL
REVIEW AS OF JUNE 30, 2022**

Agency Code (1)	Agency Name (2)	Historical & Projected Payroll by Fiscal Year Ending 6/30									
		2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
		(3a)	(3b)	(3c)	(3d)	(3e)	(3f)	(3g)	(3h)	(3i)	(3j)
233	Board of Bar Examiners	628,405	662,911	704,675	710,504	687,128	730,172	728,634	685,202	666,241	690,245
234	VSU Cooperative Extension and Agricultural Research Services	4,094,188	4,276,617	4,410,596	4,494,617	4,818,757	4,958,287	5,571,267	5,577,871	5,696,001	6,198,133
236	Virginia Commonwealth University	393,084,816	413,539,044	416,753,615	437,869,571	445,217,508	463,972,633	481,924,490	503,448,277	492,589,991	516,675,967
238	Virginia Museum of Fine Arts	12,780,166	13,262,440	13,805,239	14,340,080	15,108,028	16,123,886	16,540,016	16,778,872	15,884,329	17,855,806
239	Frontier Culture Museum of Virginia	1,073,233	1,145,682	1,131,079	1,194,383	1,252,541	1,346,890	1,319,525	1,362,241	1,289,005	1,486,131
241	Richard Bland College	6,031,006	6,370,772	6,821,241	7,201,177	8,204,904	8,188,703	8,238,489	8,649,950	7,793,875	8,757,109
242	Christopher Newport University	49,048,085	52,315,167	56,147,783	59,060,959	59,326,930	61,954,643	64,553,180	67,119,325	66,320,118	71,144,175
245	State Council of Higher Education for Virginia	2,910,539	2,716,462	2,942,980	3,258,066	3,532,163	3,834,080	3,903,303	4,236,475	4,112,033	4,333,637
246	University of Virginia's College at Wise	16,700,110	17,255,230	17,321,959	18,919,214	18,732,929	18,999,061	18,906,852	19,995,757	21,164,495	19,572,660
247	George Mason University	368,028,103	375,684,927	380,047,927	389,216,012	396,420,657	416,769,844	439,202,417	468,203,605	481,339,674	528,819,122
260	Virginia Community College System	539,914,511	553,708,784	558,866,677	560,832,128	544,780,685	538,410,625	527,946,967	527,798,323	512,156,274	532,440,241
262	Department for Aging and Rehabilitative Services	46,514,143	48,577,807	51,622,670	51,748,767	51,994,484	50,775,132	48,773,478	49,571,808	50,718,739	55,205,132
263	Virginia Rehabilitation Center for the Blind and Vision Impaired	1,173,694	1,243,953	1,162,225	1,140,633	1,249,051	1,364,881	1,198,940	1,163,579	1,074,401	1,261,230
268	Virginia Institute of Marine Science	21,619,443	22,073,202	22,959,791	24,014,330	24,108,011	24,029,490	23,332,275	24,571,179	24,619,034	25,405,107
301	Department of Agriculture and Consumer Services	23,302,583	24,428,872	24,880,866	25,023,522	25,393,939	25,919,227	26,017,878	27,282,536	26,746,217	27,768,675
307	Virginia Agricultural Council	25,293	22,657	22,352	9,353	14,893	16,379	0	0	0	0
309	Virginia Innovation Partnership Authority	0	0	0	0	0	0	0	0	0	0
330	Virginia-Israel Advisory Board	89,486	93,465	113,277	107,795	107,795	41,882	112,631	104,905	117,335	119,588
350	Department of Small Business and Supplier Diversity	2,757,974	2,399,978	2,226,930	2,128,291	2,537,674	2,468,163	2,689,896	2,813,046	2,788,210	3,411,087
402	Marine Resources Commission	6,428,431	6,741,130	7,118,145	7,155,604	7,153,002	7,126,512	7,392,322	8,207,997	8,205,975	8,324,533
403	Department of Wildlife Resources	22,631,365	23,580,853	23,808,852	23,745,013	25,327,005	26,718,432	26,959,158	26,779,994	25,716,546	27,714,765
405	Virginia Racing Commission	960,112	472,835	420,089	424,526	262,645	298,619	352,457	555,131	464,530	645,341
409	Department of Mines, Minerals and Energy	12,633,965	12,853,022	12,620,969	12,563,201	12,516,265	12,307,758	11,768,364	12,353,623	11,765,237	11,831,907
411	Department of Forestry	11,250,071	11,678,138	11,554,692	11,838,132	12,302,577	12,043,748	11,823,846	12,546,652	12,376,883	12,905,753
413	Commission on the Virginia Alcohol Safety Action Program	450,872	470,843	542,522	554,500	589,168	620,902	614,169	619,657	596,929	634,229
417	Gunston Hall	218,520	329,511	321,782	340,400	306,032	345,075	327,209	335,795	254,346	310,840
423	Department of Historic Resources	2,176,571	2,177,329	2,365,939	2,483,987	2,519,865	2,779,489	2,828,409	2,948,140	3,072,907	3,514,310
425	Jamestown-Yorktown Foundation	7,703,214	7,970,872	7,703,713	8,030,825	8,178,235	8,840,804	9,901,653	9,289,462	7,288,167	8,628,866
440	Department of Environmental Quality	42,973,373	47,684,940	48,902,177	50,103,700	49,826,898	50,757,899	50,864,776	53,570,393	53,071,685	55,851,714
454	Secretary of Veterans and Defense Affairs	878,983	798,022	606,135	625,950	628,055	611,229	545,641	600,941	627,091	524,785
501	Department of Transportation	381,369,917	405,923,252	410,098,640	426,374,623	443,978,514	468,226,844	471,879,631	483,629,777	485,558,155	511,653,459
505	Department of Rail and Public Transportation	3,529,958	3,610,276	3,671,865	3,849,572	4,400,544	4,797,891	4,670,321	5,369,905	5,689,786	5,465,570
506	Motor Vehicle Dealer Board	1,193,765	1,175,363	1,219,968	1,401,883	1,403,735	1,424,715	1,391,024	1,404,839	1,287,969	1,325,276
601	Department of Health	172,751,826	172,218,837	171,217,692	173,203,286	171,639,783	176,703,782	177,808,990	188,474,372	192,129,992	193,997,191
602	Department of Medical Assistance Services	24,975,181	25,558,270	27,678,535	29,920,755	31,441,109	33,785,935	34,854,596	40,488,875	42,776,094	48,484,923
606	Virginia Board for People with Disabilities	606,712	633,621	521,996	593,747	572,097	616,708	658,788	699,448	705,951	719,616
702	Department for the Blind and Vision Impaired	10,429,499	10,923,512	11,531,105	12,426,001	13,491,527	14,191,909	13,428,764	13,829,959	13,606,867	14,023,805
720	Department of Behavioral Health and Developmental Services	16,656,487	18,812,423	21,607,493	23,748,966	27,214,073	31,161,200	32,867,503	37,390,546	37,676,661	41,795,857
751	Department for the Deaf and Hard-of-Hearing	545,161	570,075	546,640	589,602	612,586	621,683	570,992	636,144	556,724	545,935
765	Department of Social Services	84,400,583	87,495,899	90,073,266	95,466,880	95,662,220	96,223,147	97,774,896	104,560,392	102,368,319	101,543,108
766	Virginia Parole Board	983,993	1,032,633	1,037,192	1,060,309	1,188,557	1,369,150	1,400,126	1,420,197	1,475,610	1,958,200
777	Department of Juvenile Justice	85,156,535	89,288,438	79,754,247	80,163,727	77,757,600	76,430,715	75,952,885	78,374,916	76,033,778	73,804,569
778	Department of Forensic Science	18,993,289	19,648,530	19,808,829	20,130,874	20,886,808	22,651,931	23,442,237	24,889,802	24,946,746	26,265,965
792	Mental Health Treatment Centers	177,601,179	172,945,100	183,358,513	187,674,132	185,627,907	194,925,255	202,236,644	222,866,966	220,267,000	225,196,417
793	Intellectual Disabilities Training Centers	124,984,729	84,902,519	61,459,918	55,595,291	48,557,634	41,393,120	35,027,936	30,024,053	23,917,698	24,258,645
794	Virginia Center for Behavioral Rehabilitation	14,352,188	15,186,212	15,581,724	16,475,472	15,309,055	16,489,703	19,543,542	21,744,875	21,623,517	21,732,420
799	Department of Corrections	447,136,609	458,013,040	444,341,670	461,326,688	461,685,258	480,905,020	490,989,485	518,943,645	505,813,037	520,656,739
820	Capitol Square Preservation Council	0	44,432	88,578	101,999	94,409	89,817	93,952	126,924	92,459	93,999
834	Virginia Freedom of Information Advisory Council	151,647	114,953	135,832	147,684	138,997	120,605	126,268	133,110	143,353	154,254
839	Virginia Commission on Youth	219,925	218,262	261,257	238,286	242,928	230,789	241,317	246,750	216,392	237,428
841	Department of Aviation	2,214,683	2,421,223	2,313,986	2,487,527	2,564,280	2,537,197	2,490,821	2,716,442	2,684,056	2,863,339
842	Chesapeake Bay Commission	61,150	64,133	64,849	68,004	81,018	67,193	85,000	87,405	90,027	92,728
844	Joint Commission on Health Care	439,170	457,541	449,216	427,432	488,929	438,194	476,752	447,668	372,663	482,268
847	Joint Commission on Technology and Science	65,963	99,449	97,627	74,352	84,471	66,830	71,485	112,586	141,949	61,197
848	Indigent Defense Commission	28,465,703	29,422,754	29,349,645	29,965,002	30,074,804	31,100,549	31,256,588	32,829,905	34,010,772	37,979,074
856	Opioid Abatement Authority	0	0	0	0	0	0	0	0	0	0
876	Virginia Conflict of Interest and Ethics Advisory Council	0	0	0	201,753	207,544	261,670	274,488	292,396	293,164	315,190
882	Behavioral Health Commission	0	0	0	0	0	0	0	0	0	59,723
912	Department of Veterans Services	23,916,030	24,595,695	24,926,710	29,268,422	32,645,604	35,687,750	36,120,648	39,302,581	39,388,155	41,515,324
913	Veterans Service Foundation	0	0	0	0	0	85,447	85,655	89,938	93,628	135,305
937	Southern Virginia Higher Education Center	1,714,501	1,813,094	1,927,339	2,168,104	2,185,363	2,280,983	2,308,683	2,442,912	2,082,728	2,530,502
938	New College Institute	590,493	722,248	789,191	703,959	692,099	805,104	943,403	985,565	1,113,919	1,199,451
942	Virginia Museum of Natural History	1,731,252	1,763,828	1,670,535	1,742,547	1,689,525	1,570,086	1,564,442	1,498,398	1,413,552	1,572,842
948	Southwest Virginia Higher Education Center	1,437,101	1,453,561	1,516,842	1,278,425	1,519,895	1,381,461	1,300,024	1,268,952	1,201,755	1,277,128
957	Commonwealth's Attorneys' Services Council	418,675	430,336	444,144	486,409	439,395	502,630	502,997	557,337	551,805	582,504
960	Department of Fire Programs	4,857,053	5,000,041	4,983,358	5,063,203	4,834,618	4,848,021	4,953,307	4,884,335	5,299,671	5,589,294
961	Division of Capitol Police	4,151,519	4,502,217	4,508,996	4,777,199	4,528,763	5,269,640	5,351,485	5,662,749	5,028,889	5,652,355
977	Virginia Cannabis Control Authority	0	0	0	0	0	0	0	0	0	149,389
980	In-State Undergraduate Tuition Moderation	0	0	0	0	0	0	0	0	0	0
999	Virginia Alcoholic Beverage Control Authority	69,231,220	73,480,603	75,168,091	77,661,740	78,776,482	83,726,240	83,731,236	93,650,944	108,433,563	118,657,620
Statewide Total		\$6,362,217,025	\$								

**COMMONWEALTH OF VIRGINIA
WORKERS' COMPENSATION
SELF INSURANCE FUND**

**UNLIMITED INCURRED LOSS & ALAE
REVIEW AS OF JUNE 30, 2022**

Unlimited Incurred Loss & ALAE by Fiscal Accident Year Ending 6/30											
Agency Code	Agency Name	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
(1)	(2)	(3a)	(3b)	(3c)	(3d)	(3e)	(3f)	(3g)	(3h)	(3i)	(3j)
100	Senate of Virginia	\$0	\$7,177	\$509	\$0	\$117,046	\$415	\$71	\$0	\$0	\$0
101	Virginia House of Delegates	3,023	77	0	19	0	3,324	0	0	0	0
103	Magistrate System	234	45,151	158	13,871	2,033	542	2,909	346	20,482	3,214
107	Division of Legislative Services	0	0	0	0	22,652	0	15,275	0	0	1,400
109	Division of Legislative Automated Systems	0	0	0	0	0	0	0	0	0	0
110	Joint Legislative Audit and Review Commission	0	0	0	0	0	0	0	0	0	0
111	Supreme Court of Virginia	0	528	2,081	10,416	41	65,914	4,114	2,593	138,958	2,108
112	Judicial Inquiry and Review Commission	0	0	0	0	0	0	0	0	0	0
113	Circuit Courts	4,633	6,332	2,295	57	0	1,197	0	0	2,486	0
114	General District Courts	3,256	15,914	2,082	28,513	16,321	18,529	35,426	6,285	30	0
115	Juvenile and Domestic Relations District Courts	2,703	34,769	5,842	653	4,420	57,862	2,716	2,825	3,779	16,974
116	Combined District Courts	0	0	1,575	6,837	0	0	9,306	0	800	0
117	Virginia State Bar	2,928	0	0	0	0	211	0	0	0	0
119	Lieutenant Governor	0	0	0	0	0	0	0	0	0	0
121	Office of the Governor	0	0	3,944	0	254	0	0	0	0	0
122	Department of Planning and Budget	0	1,194	0	0	0	0	0	0	0	0
123	Department of Military Affairs	213,052	34,567	350,944	104,807	77,168	446,519	87,220	294,547	27,005	53,413
125	Court of Appeals of Virginia	11,224	0	0	3,085	108	341,737	1,771	0	0	5,850
127	Department of Emergency Management	0	26,423	513,246	4,439	11,168	9,083	2,625	7,956	304	2,565
129	Department of Human Resource Management	257	192	0	1,910	0	0	0	64,281	0	0
132	Department of Elections	0	0	0	0	0	98	89,462	0	0	0
133	Auditor of Public Accounts	18,671	0	0	0	0	35	0	2,292	0	0
136	Virginia Information Technologies Agency	83	25	0	46	22	149	247,334	174	0	0
140	Department of Criminal Justice Services	0	348	1,355	0	11	314	0	40,651	356	20
141	Attorney General and Department of Law	0	5,582	8	7,633	236	973	3,861	0	10,844	4,350
146	The Science Museum of Virginia	3,404	966	3,327	341	308	3,551	565	287	0	1,679
147	Office of the State Inspector General	0	0	0	0	0	90	0	33	0	0
148	Virginia Commission for the Arts	0	0	0	0	0	0	0	0	0	0
151	Department of Accounts	0	0	0	0	1,601	1,087	0	0	0	0
152	Department of the Treasury	0	924	0	0	405,456	0	0	0	22,516	0
154	Department of Motor Vehicles	1,428,782	235,749	744,202	296,336	321,084	160,718	169,824	129,828	276,491	113,179
156	Department of State Police	5,955,547	4,985,281	4,363,994	3,600,172	3,577,051	7,090,490	3,829,262	2,504,261	5,276,374	2,408,118
157	Compensation Board	0	0	0	0	0	0	64	0	0	0
158	Virginia Retirement System	967	0	616	2,538	383	5,042	3,275	1,665	0	459
160	Virginia Criminal Sentencing Commission	0	0	0	0	0	0	0	0	0	19,800
161	Department of Taxation	588	33,093	7,471	98,895	473	15,459	2,468	43,208	40,031	186
162	Department of Accounts Transfer Payments	0	0	0	0	0	0	0	0	0	0
165	Department of Housing and Community Development	0	0	0	0	0	0	6,852	0	0	0
166	Secretary of the Commonwealth	0	0	0	0	0	0	0	52	51	0
171	State Corporation Commission	19,752	818	2,691	35,077	128,897	29	684	832	484	0
172	Virginia Lottery	251,747	5,215	45,745	250	6,866	37,432	3,140	53,424	894	23,747
174	Virginia College Savings Plan	0	0	0	0	2,757	0	0	0	0	0
180	Secretary of Administration	0	0	0	0	0	0	0	0	0	0
181	Department of Labor and Industry	251	6,352	0	3,140	6,455	0	13,366	0	0	0
182	Virginia Employment Commission	21,399	18,303	662,784	473,184	71,728	27,801	6,037	6,805	4,493	20,342
183	Secretary of Natural Resources	0	0	0	0	0	0	0	0	0	0
185	Secretary of Education	0	0	0	0	0	0	0	0	0	0
186	Secretary of Transportation	0	0	0	0	0	2,731	0	0	0	0
187	Secretary of Public Safety and Homeland Security	0	0	0	0	0	0	0	0	0	0
188	Secretary of Health and Human Resources	0	0	0	0	0	0	0	0	0	0
190	Secretary of Finance	0	0	0	0	0	0	0	0	0	0
191	Virginia Workers' Compensation Commission	292,846	19,860	6,546	728	124,251	4,859	35	2,447	248	0
192	Secretary of Commerce and Trade	0	0	0	0	0	0	0	0	0	0
193	Secretary of Agriculture and Forestry	0	0	0	0	0	0	0	0	0	0
194	Department of General Services	17,768	12,920	884,961	63,878	283,701	329,069	8,149	157,458	2,338	12,662
195	Secretary of Labor	0	0	0	0	0	0	0	0	0	0
199	Department of Conservation and Recreation	625,410	271,537	196,689	231,547	233,754	319,342	100,631	114,470	128,516	145,712
200	Childrens Services	0	0	0	0	0	0	0	0	0	0
201	Department of Education, Central Office Operations	137	537	8,687	1,525	34	9,279	43,845	3,062	0	51,397
202	The Library of Virginia	1,817	463	512	4,517	8	7,786	122	4,539	0	2,123
203	Wilson Workforce and Rehabilitation Center	142,385	1,063,957	97,962	89,872	10,428	151,035	1,852	15,142	1,428	12,113
204	The College of William and Mary in Virginia	40,188	232,602	39,137	1,522,756	39,477	46,595	94,477	73,548	411,386	44,441
207	University of Virginia	4,028,044	4,116,969	1,688,354	929,665	655,577	1,004,746	2,672,556	1,052,845	1,190,353	874,348
208	Virginia Polytechnic Institute and State University	6,057,819	1,126,088	3,519,435	1,433,149	2,702,115	1,528,114	861,089	270,586	1,703,119	1,113,857
209	University of Virginia Medical Center	6,471,441	3,148,220	5,071,499	2,175,482	3,926,206	2,741,360	1,175,833	2,466,281	3,307,233	1,247,655
211	Virginia Military Institute	162,801	217,500	65,382	209,501	74,689	11,966	60,232	91,564	41,633	30,636
212	Virginia State University	45,634	318,397	23,156	33,157	1,880	6,469	14,706	385	0	74,265
213	Norfolk State University	229,188	246,936	112,270	20,703	880,573	1,110,834	91,343	409,927	14,860	72,580
214	Longwood University	35,017	374,416	386,406	62,311	154,254	44,036	370,461	524,599	446,824	82,147
215	University of Mary Washington	289,793	414,672	838,005	45,472	38,100	1,426,253	11,039	855,389	16,326	100,696
216	James Madison University	1,241,840	1,635,209	314,290	385,473	318,334	1,650,266	925,202	504,579	215,782	361,938
217	Radford University	22,130	380,422	114,439	51,876	129,947	73,302	22,197	52,526	22,740	156,346
218	Virginia School for the Deaf and the Blind	9,501	1,762	7,641	72,526	1,441	57,688	52,148	8,077	5,193	10,305
221	Old Dominion University	510,040	115,057	645,196	128,424	548,993	120,622	65,235	269,406	58,177	69,348
222	Department of Professional and Occupational Regulator	0	0	0	695	0	0	8	45	68	0
223	Department of Health Professions	245	842	0	77	0	135	213,571	9,292	110	0

**COMMONWEALTH OF VIRGINIA
WORKERS' COMPENSATION
SELF INSURANCE FUND**

**UNLIMITED INCURRED LOSS & ALAE
REVIEW AS OF JUNE 30, 2022**

Unlimited Incurred Loss & ALAE by Fiscal Accident Year Ending 6/30											
Agency Code	Agency Name	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
(1)	(2)	(3a)	(3b)	(3c)	(3d)	(3e)	(3f)	(3g)	(3h)	(3i)	(3j)
226	Board of Accountancy	0	0	0	0	0	0	0	0	0	0
229	VPI Cooperative Extension and Agricultural Experiment Station	0	0	0	685	379,306	4,713	105,969	154	0	0
233	Board of Bar Examiners	0	0	0	0	0	0	0	0	0	0
234	VSU Cooperative Extension and Agricultural Research Services	0	0	881	821	483	1,678	205	0	313	0
236	Virginia Commonwealth University	893,688	1,014,932	786,052	661,806	2,546,702	618,568	1,188,127	167,915	40,093	92,835
238	Virginia Museum of Fine Arts	10,424	10,690	24,399	9,047	27,265	5,660	2,234	9,845	30,724	4,003
239	Frontier Culture Museum of Virginia	2,408	148,886	1,856	46,867	2,706	24,141	1,270	4,096	0	1,919
241	Richard Bland College	593	2,598	0	22,259	2,004	7,997	106,858	150	0	674
242	Christopher Newport University	22,811	270,653	454,250	93,245	149,285	53,989	73,541	86,408	43,150	293,496
245	State Council of Higher Education for Virginia	0	0	24	0	0	316	0	0	0	0
246	University of Virginia's College at Wise	8,371	36,394	27,639	49,929	0	5,768	74,583	137,213	2,127	2,222
247	George Mason University	72,516	169,013	298,902	662,744	276,991	302,453	226,834	29,297	302,539	605,826
260	Virginia Community College System	3,017,084	1,321,046	655,156	411,167	410,461	998,791	345,037	950,626	273,199	519,951
262	Department for Aging and Rehabilitative Services	3,231	11,577	5,611	3,867	193,771	515,521	7,672	15,285	3,559	0
263	Virginia Rehabilitation Center for the Blind and Vision Impaired	0	8,071	617	4,629	2,114	0	0	0	0	0
268	Virginia Institute of Marine Science	18,109	22,156	56,003	21,946	107,007	18,214	12,886	3,587	12,043	6,966
301	Department of Agriculture and Consumer Services	928,417	14,081	4,159	54,529	2,547	46,990	186,586	12,381	17,311	266,893
307	Virginia Agricultural Council	0	0	0	0	0	0	0	0	0	0
309	Virginia Innovation Partnership Authority	0	0	0	0	0	0	0	0	0	0
330	Virginia-Israel Advisory Board	0	5,664	0	0	0	0	0	0	0	0
350	Department of Small Business and Supplier Diversity	0	0	39	516	1,935	8	2,356	360	0	0
402	Marine Resources Commission	3,688	980,485	33,295	76,998	3,760	6,732	9,652	3,040	78,303	9,095
403	Department of Wildlife Resources	417,108	447,533	584,808	297,836	152,329	222,900	632,298	1,434,038	252,105	32,465
405	Virginia Racing Commission	0	0	0	0	0	0	0	0	0	0
409	Department of Mines, Minerals and Energy	2,599	22,103	161,551	5,008	12,282	4,496	12,134	15,744	397,060	76,564
411	Department of Forestry	119,384	39,803	48,548	61,481	1,932,817	54,112	20,975	2,162,395	67,561	19,602
413	Commission on the Virginia Alcohol Safety Action Program	0	0	0	0	0	0	0	0	0	0
417	Gunston Hall	0	0	0	0	0	0	0	0	0	0
423	Department of Historic Resources	0	0	0	0	0	0	17,014	0	0	382
425	Jamestown-Yorktown Foundation	60,726	6,255	8,923	6,628	9,615	5,457	35,625	88,693	132,766	61,424
440	Department of Environmental Quality	1,081	52,671	9,681	90,197	11,052	6,348	16,924	2,384	73,189	12,564
454	Secretary of Veterans and Defense Affairs	0	0	0	0	0	0	0	0	0	0
501	Department of Transportation	5,899,688	5,236,760	6,099,469	4,123,005	3,920,041	4,034,390	3,036,942	2,518,795	2,390,369	2,694,329
505	Department of Rail and Public Transportation	0	0	0	0	0	106	0	507	0	0
506	Motor Vehicle Dealer Board	0	0	0	0	258	0	1,456	0	0	0
601	Department of Health	203,056	1,548,796	2,544,771	3,783,298	127,280	741,872	250,680	190,920	469,430	192,734
602	Department of Medical Assistance Services	46,398	0	2,049	2,497	2,857	115	204,664	33	0	0
606	Virginia Board for People with Disabilities	0	0	0	0	0	0	0	0	0	0
702	Department for the Blind and Vision Impaired	11,782	12,096	62,804	58,509	17,964	5,229	28,189	299	34,406	11,087
720	Department of Behavioral Health and Developmental Services	29,704	112,409	1,573	3,343	2,656,940	6,298	16,737	685,029	0	28
751	Department for the Deaf and Hard-of-Hearing	0	0	0	0	0	0	0	0	0	0
765	Department of Social Services	238,154	119,067	42,930	11,724	7,064	13,866	12,887	6,915	3,716	17,718
766	Virginia Parole Board	0	0	0	0	0	0	1,343	0	0	337
777	Department of Juvenile Justice	3,097,871	3,993,311	2,529,957	2,060,770	911,742	1,549,798	3,748,581	661,325	616,873	262,049
778	Department of Forensic Science	27,479	144,828	2,932	9,975	4,811	4,277	113,886	206,558	7,463	10,136
792	Mental Health Treatment Centers	5,708,289	6,612,275	6,843,616	8,487,953	8,345,135	5,483,993	3,573,156	5,421,065	4,430,468	3,807,833
793	Intellectual Disabilities Training Center	1,943,112	2,970,043	4,630,416	1,184,968	2,404,090	428,995	1,250,974	615,677	490,214	469,896
794	Virginia Center for Behavioral Rehabilitation	268,556	419,054	1,120,450	3,011,426	595,542	793,551	88,789	1,105,368	102,011	359,990
799	Department of Corrections	3,513,762	7,171,208	11,512,070	7,577,636	6,385,281	3,298,653	5,572,350	3,595,739	3,360,098	2,409,451
820	Capitol Square Preservation Council	0	0	0	0	0	0	0	0	0	0
834	Virginia Freedom of Information Advisory Council	0	0	0	0	0	0	0	0	0	0
839	Virginia Commission on Youth	0	0	0	0	0	0	0	0	0	0
841	Department of Aviation	49,454	0	2,913	0	2,828	23,277	4,772	0	0	0
842	Chesapeake Bay Commission	0	0	0	3,853	0	0	0	0	0	0
844	Joint Commission on Health Care	0	0	0	0	0	0	0	0	0	0
847	Joint Commission on Technology and Science	0	0	0	0	0	0	0	0	0	0
848	Indigent Defense Commission	62,394	52	8,773	39,884	0	93,760	278	503	1,138	2,750
856	Opioid Abatement Authority	0	0	0	0	0	0	0	0	0	0
876	Virginia Conflict of Interest and Ethics Advisory Council	0	0	0	0	0	0	0	0	0	0
882	Behavioral Health Commission	0	0	0	0	0	0	0	0	0	0
912	Department of Veterans Services	445,380	347,397	292,401	1,447,797	113,000	538,207	96,618	192,214	83,715	224,852
913	Veterans Service Foundation	0	0	0	0	0	0	0	0	0	0
937	Southern Virginia Higher Education Center	824	0	0	0	0	0	0	0	0	0
938	New College Institute	0	0	0	0	0	0	0	0	0	0
942	Virginia Museum of Natural History	0	860	493	102,300	0	2,513	380	1,413	742	6,865
948	Southwest Virginia Higher Education Center	0	0	0	0	1,934	0	0	0	0	0
957	Commonwealth's Attorneys' Services Council	0	0	0	0	0	0	0	0	0	0
960	Department of Fire Programs	4,502	82,662	10,800	0	174,986	113,959	3,031	23,302	8,822	20,471
961	Division of Capitol Police	26,429	79,608	107,153	585,752	50,542	5,043	18,450	3,360	9,144	5,099
977	Virginia Cannabis Control Authority	0	0	0	0	0	0	0	0	0	0
980	In-State Undergraduate Tuition Moderator	0	0	0	0	0	0	0	0	0	0
999	Virginia Alcoholic Beverage Control Authority	1,681,666	877,475	2,840,220	524,423	869,357	1,028,675	644,360	281,803	586,361	248,336
Statewide Total		\$57,007,288	\$53,475,771	\$62,553,624	\$47,714,867	\$47,714,385	\$40,006,516	\$33,069,662	\$30,682,952	\$27,713,726	\$19,890,816

**COMMONWEALTH OF VIRGINIA
WORKERS' COMPENSATION
SELF INSURANCE FUND**

**INCURRED LOSS & ALAE LIMITED TO \$500,000
REVIEW AS OF JUNE 30, 2022**

Incurred Loss & ALAE Limited to \$500,000 by Fiscal Accident Year Ending 6/30											
Agency Code	Agency Name	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
(1)	(2)	(3a)	(3b)	(3c)	(3d)	(3e)	(3f)	(3g)	(3h)	(3i)	(3j)
100	Senate of Virginia	\$0	\$7,177	\$509	\$0	\$117,046	\$415	\$71	\$0	\$0	\$0
101	Virginia House of Delegates	3,023	77	0	19	0	3,324	0	0	0	0
103	Magistrate System	234	45,151	158	13,871	2,033	542	2,909	346	20,482	3,214
107	Division of Legislative Services	0	0	0	0	22,652	0	15,275	0	0	1,400
109	Division of Legislative Automated Systems	0	0	0	0	0	0	0	0	0	0
110	Joint Legislative Audit and Review Commission	0	0	0	0	0	0	0	0	0	0
111	Supreme Court of Virginia	0	528	2,081	10,416	41	65,914	4,114	2,593	138,958	2,108
112	Judicial Inquiry and Review Commission	0	0	0	0	0	0	0	0	0	0
113	Circuit Courts	4,633	6,332	2,295	57	0	1,197	0	0	2,486	0
114	General District Courts	3,256	15,914	2,082	28,513	16,321	18,529	35,426	6,285	30	0
115	Juvenile and Domestic Relations District Courts	2,703	34,769	5,842	653	4,420	57,862	2,716	2,825	3,779	16,974
116	Combined District Courts	0	0	1,575	6,837	0	0	9,306	0	800	0
117	Virginia State Bar	2,928	0	0	0	0	211	0	0	0	0
119	Lieutenant Governor	0	0	0	0	0	0	0	0	0	0
121	Office of the Governor	0	0	3,944	0	254	0	0	0	0	0
122	Department of Planning and Budget	0	1,194	0	0	0	0	0	0	0	0
123	Department of Military Affairs	213,052	34,567	350,944	104,807	77,168	446,519	87,220	294,547	27,005	53,413
125	Court of Appeals of Virginia	11,224	0	0	3,085	108	341,737	1,771	0	0	5,850
127	Department of Emergency Management	0	26,423	503,690	4,439	11,168	9,083	2,625	7,956	304	2,565
129	Department of Human Resource Management	257	192	0	1,910	0	0	0	64,281	0	0
132	Department of Elections	0	0	0	0	0	98	89,462	0	0	0
133	Auditor of Public Accounts	18,671	0	0	0	0	35	0	2,292	0	0
136	Virginia Information Technologies Agency	83	25	0	46	22	149	247,334	174	0	0
140	Department of Criminal Justice Services	0	348	1,355	0	11	314	0	40,651	356	20
141	Attorney General and Department of Law	0	5,582	8	7,633	236	973	3,861	0	10,844	4,350
146	The Science Museum of Virginia	3,404	966	3,327	341	308	3,551	565	287	0	1,679
147	Office of the State Inspector General	0	0	0	0	0	90	0	33	0	0
148	Virginia Commission for the Arts	0	0	0	0	0	0	0	0	0	0
151	Department of Accounts	0	0	0	0	1,601	1,087	0	0	0	0
152	Department of the Treasury	0	924	0	0	405,456	0	0	0	22,516	0
154	Department of Motor Vehicles	1,040,048	235,749	728,822	296,336	321,084	160,718	169,824	129,828	276,491	113,179
156	Department of State Police	4,831,069	3,511,806	3,837,858	3,351,852	3,098,595	5,025,785	3,220,253	2,504,261	3,670,259	2,408,118
157	Compensation Board	0	0	0	0	0	0	64	0	0	0
158	Virginia Retirement System	967	0	616	2,538	383	5,042	3,275	1,665	0	459
160	Virginia Criminal Sentencing Commission	0	0	0	0	0	0	0	0	0	19,800
161	Department of Taxation	588	33,093	7,471	98,895	473	15,459	2,468	43,208	40,031	186
162	Department of Accounts Transfer Payments	0	0	0	0	0	0	0	0	0	0
165	Department of Housing and Community Development	0	0	0	0	0	0	6,852	0	0	0
166	Secretary of the Commonwealth	0	0	0	0	0	0	0	52	51	0
171	State Corporation Commission	19,752	818	2,691	35,077	128,897	29	684	832	484	0
172	Virginia Lottery	251,747	5,215	45,745	250	6,866	37,432	3,140	53,424	894	23,747
174	Virginia College Savings Plan	0	0	0	0	2,757	0	0	0	0	0
180	Secretary of Administration	0	0	0	0	0	0	0	0	0	0
181	Department of Labor and Industry	251	6,352	0	3,140	6,455	0	13,366	0	0	0
182	Virginia Employment Commission	21,399	18,303	662,784	473,184	71,728	27,801	6,037	6,805	4,493	20,342
183	Secretary of Natural Resources	0	0	0	0	0	0	0	0	0	0
185	Secretary of Education	0	0	0	0	0	0	0	0	0	0
186	Secretary of Transportation	0	0	0	0	0	2,731	0	0	0	0
187	Secretary of Public Safety and Homeland Security	0	0	0	0	0	0	0	0	0	0
188	Secretary of Health and Human Resources	0	0	0	0	0	0	0	0	0	0
190	Secretary of Finance	0	0	0	0	0	0	0	0	0	0
191	Virginia Workers' Compensation Commission	292,846	19,860	6,546	728	124,251	4,859	35	2,447	248	0
192	Secretary of Commerce and Trade	0	0	0	0	0	0	0	0	0	0
193	Secretary of Agriculture and Forestry	0	0	0	0	0	0	0	0	0	0
194	Department of General Services	17,768	12,920	520,296	63,878	283,701	329,069	8,149	157,458	2,338	12,662
195	Secretary of Labor	0	0	0	0	0	0	0	0	0	0
199	Department of Conservation and Recreation	625,410	271,537	196,689	231,547	233,754	319,342	100,631	114,470	128,516	145,712
200	Childrens Services	0	0	0	0	0	0	0	0	0	0
201	Department of Education, Central Office Operations	137	537	8,687	1,525	34	9,279	43,845	3,062	0	51,397
202	The Library of Virginia	1,817	463	512	4,517	8	7,786	122	4,539	0	2,123
203	Wilson Workforce and Rehabilitation Center	142,385	557,317	97,962	89,872	10,428	151,035	1,852	15,142	1,428	12,113
204	The College of William and Mary in Virginia	40,188	232,602	39,137	706,104	39,477	46,595	94,477	73,548	411,386	44,441
207	University of Virginia	2,745,325	3,935,107	1,561,149	929,665	655,577	1,004,746	2,267,306	1,052,845	1,190,353	874,348
208	Virginia Polytechnic Institute and State University	2,303,205	1,126,088	1,687,981	1,433,149	1,995,413	1,528,114	861,089	270,586	1,703,119	1,113,857
209	University of Virginia Medical Center	6,076,281	2,772,670	3,909,785	2,175,482	3,483,101	2,664,534	1,175,833	2,466,281	3,307,233	1,247,655
211	Virginia Military Institute	162,801	217,500	65,382	209,501	74,689	11,966	60,232	91,564	41,633	30,636
212	Virginia State University	45,634	318,397	23,156	33,157	1,880	6,469	14,706	385	0	74,265
213	Norfolk State University	229,188	246,936	112,270	20,703	880,573	719,700	91,343	409,927	14,860	72,580
214	Longwood University	35,017	374,416	386,406	62,311	154,254	44,036	370,461	524,599	446,824	82,147
215	University of Mary Washington	289,793	414,672	672,476	45,472	38,100	757,811	11,039	555,745	16,326	100,696
216	James Madison University	1,181,697	1,129,367	314,290	385,473	318,334	1,523,453	707,518	504,579	215,782	361,938
217	Radford University	22,130	380,422	114,439	51,876	129,947	73,302	22,197	52,526	22,740	156,346
218	Virginia School for the Deaf and the Blind	9,501	1,762	7,641	72,526	1,441	57,688	52,148	8,077	5,193	10,305
221	Old Dominion University	510,040	115,057	645,196	128,424	548,993	120,622	65,235	269,406	58,177	69,348
222	Department of Professional and Occupational Regulation	0	0	0	695	0	0	8	45	68	0
223	Department of Health Professions	245	842	0	77	0	135	213,571	9,292	110	0

**COMMONWEALTH OF VIRGINIA
WORKERS' COMPENSATION
SELF INSURANCE FUND**

**INCURRED LOSS & ALAE LIMITED TO \$500,000
REVIEW AS OF JUNE 30, 2022**

Incurred Loss & ALAE Limited to \$500,000 by Fiscal Accident Year Ending 6/30											
Agency Code	Agency Name	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
(1)	(2)	(3a)	(3b)	(3c)	(3d)	(3e)	(3f)	(3g)	(3h)	(3i)	(3j)
226	Board of Accountancy	0	0	0	0	0	0	0	0	0	0
229	VPI Cooperative Extension and Agricultural Experiment Station	0	0	0	685	379,306	4,713	105,969	154	0	0
233	Board of Bar Examiners	0	0	0	0	0	0	0	0	0	0
234	VSU Cooperative Extension and Agricultural Research Services	0	0	881	821	483	1,678	205	0	313	0
236	Virginia Commonwealth University	893,688	842,387	786,052	661,806	1,376,533	618,568	1,188,127	167,915	40,093	92,835
238	Virginia Museum of Fine Arts	10,424	10,690	24,399	9,047	27,265	5,660	2,234	9,845	30,724	4,003
239	Frontier Culture Museum of Virginia	2,408	148,886	1,856	46,867	2,706	24,141	1,270	4,096	0	1,919
241	Richard Bland College	593	2,598	0	22,259	2,004	7,997	106,858	150	0	674
242	Christopher Newport University	22,811	270,653	454,250	93,245	149,285	53,989	73,541	86,408	43,150	293,496
245	State Council of Higher Education for Virginia	0	0	24	0	0	316	0	0	0	0
246	University of Virginia's College at Wise	8,371	36,394	27,639	49,929	0	5,768	74,583	137,213	2,127	2,222
247	George Mason University	72,516	169,013	298,902	662,744	276,991	302,453	226,834	29,297	302,539	605,826
260	Virginia Community College System	2,728,494	1,321,046	655,156	411,167	410,461	998,791	345,037	950,626	273,199	519,951
262	Department for Aging and Rehabilitative Services	3,231	11,577	5,611	3,867	193,771	515,521	7,672	15,285	3,559	0
263	Virginia Rehabilitation Center for the Blind and Vision Impaired	0	8,071	617	4,629	2,114	0	0	0	0	0
268	Virginia Institute of Marine Science	18,109	22,156	56,003	21,946	107,007	18,214	12,886	3,587	12,043	6,966
301	Department of Agriculture and Consumer Services	601,861	14,081	4,159	54,529	2,547	46,990	186,586	12,381	17,311	266,893
307	Virginia Agricultural Council	0	0	0	0	0	0	0	0	0	0
309	Virginia Innovation Partnership Authority	0	0	0	0	0	0	0	0	0	0
330	Virginia-Israel Advisory Board	0	5,664	0	0	0	0	0	0	0	0
350	Department of Small Business and Supplier Diversity	0	0	39	516	1,935	8	2,356	360	0	0
402	Marine Resources Commission	3,688	899,285	33,295	76,998	3,760	6,732	9,652	3,040	78,303	9,095
403	Department of Wildlife Resources	417,108	447,533	584,808	297,836	152,329	222,900	632,298	989,299	252,105	32,465
405	Virginia Racing Commission	0	0	0	0	0	0	0	0	0	0
409	Department of Mines, Minerals and Energy	2,599	22,103	161,551	5,008	12,282	4,496	12,134	15,744	397,060	76,564
411	Department of Forestry	119,384	39,803	48,548	61,481	591,296	54,112	20,975	592,169	67,561	19,602
413	Commission on the Virginia Alcohol Safety Action Program	0	0	0	0	0	0	0	0	0	0
417	Gunston Hall	0	0	0	0	0	0	0	0	0	0
423	Department of Historic Resources	0	0	0	0	0	17,014	0	0	0	382
425	Jamestown-Yorktown Foundation	60,726	6,255	8,923	6,628	9,615	5,457	35,625	88,693	132,766	61,424
440	Department of Environmental Quality	1,081	52,671	9,681	90,197	11,052	6,348	16,924	2,384	73,189	12,564
454	Secretary of Veterans and Defense Affairs	0	0	0	0	0	0	0	0	0	0
501	Department of Transportation	4,908,664	4,207,395	4,363,770	4,116,560	3,299,621	4,034,390	3,036,942	2,518,795	2,390,369	2,694,329
505	Department of Rail and Public Transportation	0	0	0	0	0	106	0	507	0	0
506	Motor Vehicle Dealer Board	0	0	0	0	258	0	1,456	0	0	0
601	Department of Health	203,056	1,334,041	1,758,387	1,787,311	127,280	741,872	250,680	190,920	469,430	192,734
602	Department of Medical Assistance Services	46,398	0	2,049	2,497	2,857	115	204,664	33	0	0
606	Virginia Board for People with Disabilities	0	0	0	0	0	0	0	0	0	0
702	Department for the Blind and Vision Impaired	11,782	12,096	62,804	58,509	17,964	5,229	28,189	299	34,406	11,087
720	Department of Behavioral Health and Developmental Services	29,704	112,409	1,573	3,343	509,424	6,298	16,737	504,125	0	28
751	Department for the Deaf and Hard-of-Hearing	0	0	0	0	0	0	0	0	0	0
765	Department of Social Services	238,154	119,067	42,930	11,724	7,064	13,866	12,887	6,915	3,716	17,718
766	Virginia Parole Board	0	0	0	0	0	0	1,343	0	0	337
777	Department of Juvenile Justice	1,801,669	3,277,295	2,399,004	1,991,022	911,742	1,274,097	1,520,882	661,325	616,873	262,049
778	Department of Forensic Science	27,479	144,828	2,932	9,975	4,811	4,277	113,886	206,558	7,463	10,136
792	Mental Health Treatment Centers	4,118,122	5,382,344	6,107,633	7,346,885	7,977,062	4,760,272	3,573,156	4,684,180	4,430,468	3,807,833
793	Intellectual Disabilities Training Center	1,943,122	2,799,027	2,630,032	1,184,968	2,404,090	428,995	1,250,974	615,677	490,214	469,896
794	Virginia Center for Behavioral Rehabilitation	268,556	419,054	799,790	1,263,150	595,542	579,594	88,789	796,650	102,011	359,990
799	Department of Corrections	3,409,912	5,808,953	6,873,215	6,816,093	6,041,417	3,298,653	5,265,469	3,595,739	3,360,098	2,409,451
820	Capitol Square Preservation Council	0	0	0	0	0	0	0	0	0	0
834	Virginia Freedom of Information Advisory Council	0	0	0	0	0	0	0	0	0	0
839	Virginia Commission on Youth	0	0	0	0	0	0	0	0	0	0
841	Department of Aviation	49,454	0	2,913	0	2,828	23,277	4,772	0	0	0
842	Chesapeake Bay Commission	0	0	0	3,853	0	0	0	0	0	0
844	Joint Commission on Health Care	0	0	0	0	0	0	0	0	0	0
847	Joint Commission on Technology and Science	0	0	0	0	0	0	0	0	0	0
848	Indigent Defense Commission	62,394	52	8,773	39,884	0	93,760	278	503	1,138	2,750
856	Opioid Abatement Authority	0	0	0	0	0	0	0	0	0	0
876	Virginia Conflict of Interest and Ethics Advisory Council	0	0	0	0	0	0	0	0	0	0
882	Behavioral Health Commission	0	0	0	0	0	0	0	0	0	0
912	Department of Veterans Services	445,380	347,397	292,401	1,444,232	113,000	538,207	96,618	192,214	83,715	224,852
913	Veterans Service Foundation	0	0	0	0	0	0	0	0	0	0
937	Southern Virginia Higher Education Center	824	0	0	0	0	0	0	0	0	0
938	New College Institute	0	0	0	0	0	0	0	0	0	0
942	Virginia Museum of Natural History	0	860	493	102,300	0	2,513	380	1,413	742	6,865
948	Southwest Virginia Higher Education Center	0	0	0	0	1,934	0	0	0	0	0
957	Commonwealth's Attorneys' Services Council	0	0	0	0	0	0	0	0	0	0
960	Department of Fire Programs	4,502	82,662	10,800	0	174,986	113,959	3,031	23,302	8,822	20,471
961	Division of Capitol Police	26,429	79,608	107,153	585,752	50,542	5,043	18,450	3,360	9,144	5,099
977	Virginia Cannabis Control Authority	0	0	0	0	0	0	0	0	0	0
980	In-State Undergraduate Tuition Moderator	0	0	0	0	0	0	0	0	0	0
999	Virginia Alcoholic Beverage Control Authority	1,394,730	877,475	1,295,372	524,423	869,357	1,028,675	644,360	281,803	586,361	248,336
Statewide Total		\$45,118,113	\$45,455,320	\$46,458,218	\$40,965,263	\$40,094,557	\$35,465,217	\$29,303,139	\$27,141,834	\$26,107,612	\$19,890,816

**COMMONWEALTH OF VIRGINIA
WORKERS' COMPENSATION
SELF INSURANCE FUND**

**LOST-TIME CLAIM COUNTS
REVIEW AS OF JUNE 30, 2022**

Agency Code (1)	Agency Name (2)	Lost-Time Claim Counts by Fiscal Accident Year Ending 6/30									
		2013 (3a)	2014 (3b)	2015 (3c)	2016 (3d)	2017 (3e)	2018 (3f)	2019 (3g)	2020 (3h)	2021 (3i)	2022 (3j)
100	Senate of Virginia	0	0	0	0	0	0	0	0	0	0
101	Virginia House of Delegates	0	0	0	0	0	0	0	0	0	0
103	Magistrate System	0	1	0	1	0	0	0	0	1	0
107	Division of Legislative Services	0	0	0	0	1	0	1	0	0	0
109	Division of Legislative Automated Systems	0	0	0	0	0	0	0	0	0	0
110	Joint Legislative Audit and Review Commission	0	0	0	0	0	0	0	0	0	0
111	Supreme Court of Virginia	0	0	0	1	0	1	0	1	1	0
112	Judicial Inquiry and Review Commission	0	0	0	0	0	0	0	0	0	0
113	Circuit Courts	0	0	0	0	0	0	0	0	0	0
114	General District Courts	0	0	0	2	0	1	2	0	0	0
115	Juvenile and Domestic Relations District Courts	1	1	1	0	0	1	0	0	0	0
116	Combined District Courts	0	0	0	1	0	0	0	0	0	0
117	Virginia State Bar	0	0	0	0	0	0	0	0	0	0
119	Lieutenant Governor	0	0	0	0	0	0	0	0	0	0
121	Office of the Governor	0	0	0	0	0	0	0	0	0	0
122	Department of Planning and Budget	0	0	0	0	0	0	0	0	0	0
123	Department of Military Affairs	5	0	8	4	2	3	5	5	2	4
125	Court of Appeals of Virginia	1	0	0	1	1	1	0	0	0	0
127	Department of Emergency Management	0	1	0	0	0	0	0	1	0	0
129	Department of Human Resource Management	0	0	0	0	0	0	0	1	0	0
132	Department of Elections	0	0	0	0	0	0	1	0	0	0
133	Auditor of Public Accounts	1	0	0	0	0	0	0	0	0	0
136	Virginia Information Technologies Agency	0	0	0	0	0	0	1	0	0	0
140	Department of Criminal Justice Services	0	0	0	0	0	0	0	1	0	0
141	Attorney General and Department of Law	0	1	0	0	0	0	0	0	0	0
146	The Science Museum of Virginia	0	0	0	0	0	0	0	0	0	0
147	Office of the State Inspector General	0	0	0	0	0	0	0	0	0	0
148	Virginia Commission for the Arts	0	0	0	0	0	0	0	0	0	0
151	Department of Accounts	0	0	0	0	0	0	0	0	0	0
152	Department of the Treasury	0	0	0	0	1	0	0	0	0	0
154	Department of Motor Vehicles	5	9	7	7	5	3	4	4	2	5
156	Department of State Police	41	34	38	36	27	36	36	35	35	48
157	Compensation Board	0	0	0	0	0	0	0	0	0	0
158	Virginia Retirement System	0	0	0	0	0	0	0	0	0	0
160	Virginia Criminal Sentencing Commission	0	0	0	0	0	0	0	0	0	1
161	Department of Taxation	0	2	1	0	2	1	0	1	1	0
162	Department of Accounts Transfer Payments	0	0	0	0	0	0	0	0	1	0
165	Department of Housing and Community Development	0	0	0	0	0	0	0	0	0	0
166	Secretary of the Commonwealth	0	0	0	0	0	0	0	0	0	0
171	State Corporation Commission	0	0	0	1	1	0	0	0	0	0
172	Virginia Lottery	1	0	1	0	0	2	1	1	0	1
174	Virginia College Savings Plan	0	0	0	0	0	0	0	0	0	0
180	Secretary of Administration	0	0	0	0	0	0	0	0	0	0
181	Department of Labor and Industry	0	0	0	0	0	0	0	0	0	0
182	Virginia Employment Commission	1	1	2	1	2	1	1	0	0	2
183	Secretary of Natural Resources	0	0	0	0	0	0	0	0	0	0
185	Secretary of Education	0	0	0	0	0	0	0	0	0	0
186	Secretary of Transportation	0	0	0	0	0	0	0	0	0	0
187	Secretary of Public Safety and Homeland Security	0	0	0	0	0	0	0	0	0	0
188	Secretary of Health and Human Resources	0	0	0	0	0	0	0	0	0	0
190	Secretary of Finance	0	0	0	0	0	0	0	0	0	0
191	Virginia Workers' Compensation Commission	1	0	0	0	1	0	0	0	0	0
192	Secretary of Commerce and Trade	0	0	0	0	0	0	0	0	0	0
193	Secretary of Agriculture and Forestry	0	0	0	0	0	0	0	0	0	0
194	Department of General Services	2	2	1	3	3	2	0	1	1	1
195	Secretary of Labor	0	0	0	0	0	0	0	0	0	0
199	Department of Conservation and Recreation	10	6	6	9	7	4	2	1	3	5
200	Childrens Services	0	0	0	0	0	0	0	0	0	0
201	Department of Education, Central Office Operations	0	0	2	0	0	0	1	1	0	1
202	The Library of Virginia	2	0	0	0	0	1	0	0	0	0
203	Wilson Workforce and Rehabilitation Center	3	3	2	3	0	1	0	0	0	1
204	The College of William and Mary in Virginia	3	5	3	5	2	1	4	2	1	1
207	University of Virginia	31	39	20	23	9	24	25	16	19	20
208	Virginia Polytechnic Institute and State University	25	33	22	19	29	33	17	15	22	21
209	University of Virginia Medical Center	51	22	29	32	35	34	22	30	39	26
211	Virginia Military Institute	6	1	2	2	8	1	2	2	3	2
212	Virginia State University	2	2	1	2	0	1	0	0	0	1
213	Norfolk State University	3	2	4	0	6	4	5	2	1	2
214	Longwood University	1	1	3	2	1	2	1	3	1	1
215	University of Mary Washington	3	5	6	2	1	4	0	3	2	1
216	James Madison University	14	13	9	11	12	15	13	10	6	11
217	Radford University	1	1	3	2	1	2	1	2	0	2
218	Virginia School for the Deaf and the Blind	1	0	0	2	0	1	3	1	1	1
221	Old Dominion University	5	3	6	7	5	7	3	2	2	2
222	Department of Professional and Occupational Regulator	0	0	0	0	0	0	0	0	0	0
223	Department of Health Professions	0	0	0	0	0	0	1	0	0	0

**COMMONWEALTH OF VIRGINIA
WORKERS' COMPENSATION
SELF INSURANCE FUND**

**LOST-TIME CLAIM COUNTS
REVIEW AS OF JUNE 30, 2022**

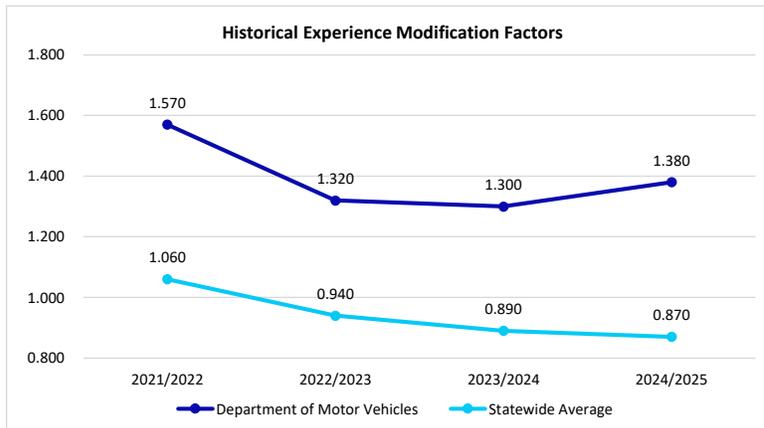
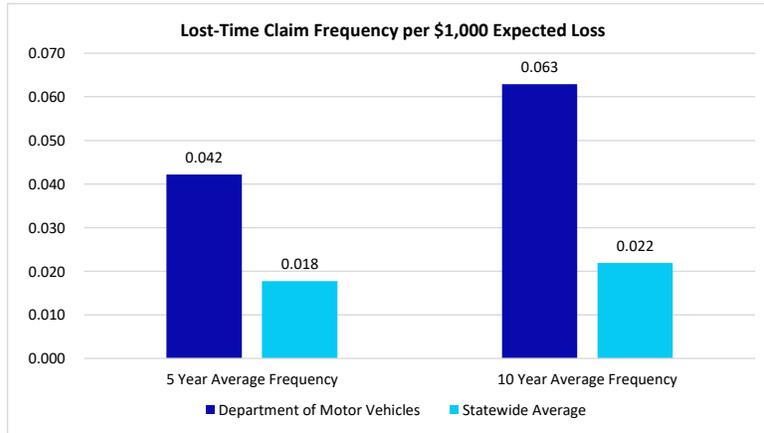
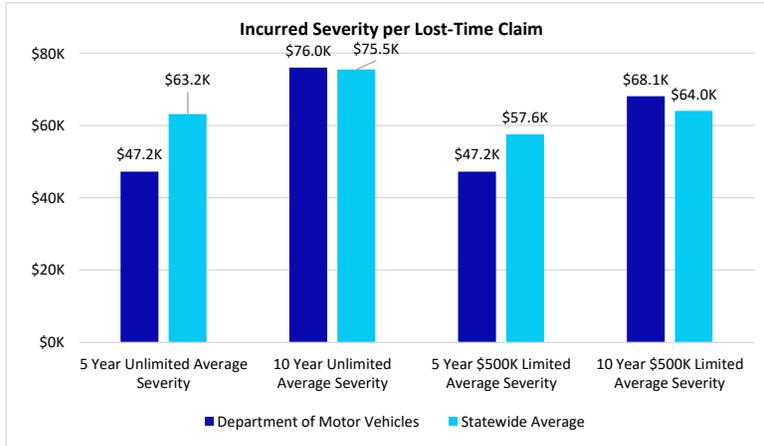
Agency Code (1)	Agency Name (2)	Lost-Time Claim Counts by Fiscal Accident Year Ending 6/30										
		2013 (3a)	2014 (3b)	2015 (3c)	2016 (3d)	2017 (3e)	2018 (3f)	2019 (3g)	2020 (3h)	2021 (3i)	2022 (3j)	
226	Board of Accountancy	0	0	0	0	0	0	0	0	0	0	0
229	VPI Cooperative Extension and Agricultural Experiment Station	0	0	0	0	1	0	1	0	0	0	0
233	Board of Bar Examiners	0	0	0	0	0	0	0	0	0	0	0
234	VSU Cooperative Extension and Agricultural Research Services	0	0	0	0	0	1	0	0	0	0	0
236	Virginia Commonwealth University	13	15	16	13	8	9	14	3	3	0	0
238	Virginia Museum of Fine Arts	0	0	0	0	0	0	0	0	2	0	0
239	Frontier Culture Museum of Virginia	0	1	0	1	0	0	0	0	0	0	0
241	Richard Bland College	0	0	0	1	0	1	1	0	0	0	0
242	Christopher Newport University	3	1	4	2	2	1	3	2	1	5	0
245	State Council of Higher Education for Virginia	0	0	0	0	0	0	0	0	0	0	0
246	University of Virginia's College at Wise	0	1	2	2	0	0	1	1	0	0	0
247	George Mason University	3	9	15	17	8	5	7	3	5	6	6
260	Virginia Community College System	17	24	13	5	9	14	10	15	2	10	0
262	Department for Aging and Rehabilitative Services	0	0	1	0	4	1	1	1	0	0	0
263	Virginia Rehabilitation Center for the Blind and Vision Impaired	0	1	0	0	0	0	0	0	0	0	0
268	Virginia Institute of Marine Science	0	0	3	1	3	0	0	0	0	0	0
301	Department of Agriculture and Consumer Services	5	1	0	3	1	3	2	0	0	6	0
307	Virginia Agricultural Council	0	0	0	0	0	0	0	0	0	0	0
309	Virginia Innovation Partnership Authority	0	0	0	0	0	0	0	0	0	0	0
330	Virginia-Israel Advisory Board	0	0	0	0	0	0	0	0	0	0	0
350	Department of Small Business and Supplier Diversity	0	0	0	0	0	0	0	0	0	0	0
402	Marine Resources Commission	0	4	1	2	0	0	1	0	2	1	0
403	Department of Wildlife Resources	6	3	6	2	2	4	10	6	6	0	0
405	Virginia Racing Commission	0	0	0	0	0	0	0	0	0	0	0
409	Department of Mines, Minerals and Energy	0	1	3	1	0	1	1	1	4	1	0
411	Department of Forestry	3	2	3	2	4	1	2	3	1	0	0
413	Commission on the Virginia Alcohol Safety Action Program	0	0	0	0	0	0	0	0	0	0	0
417	Gunston Hall	0	0	0	0	0	0	0	0	0	0	0
423	Department of Historic Resources	0	0	0	0	0	0	1	0	1	0	0
425	Jamestown-Yorktown Foundation	1	1	0	0	1	0	2	2	1	0	1
440	Department of Environmental Quality	0	2	1	1	0	0	0	1	0	1	0
454	Secretary of Veterans and Defense Affairs	0	0	0	0	0	0	0	0	0	0	0
501	Department of Transportation	75	62	60	70	77	77	65	58	58	62	62
505	Department of Rail and Public Transportation	0	0	0	0	0	0	0	0	0	0	0
506	Motor Vehicle Dealer Board	0	0	0	0	0	0	0	0	0	0	0
601	Department of Health	5	7	12	12	5	6	6	3	7	4	0
602	Department of Medical Assistance Services	1	0	0	0	0	0	1	0	0	1	0
606	Virginia Board for People with Disabilities	0	0	0	0	0	0	0	0	0	0	0
702	Department for the Blind and Vision Impaired	1	2	1	2	2	0	2	0	2	0	0
720	Department of Behavioral Health and Developmental Services	1	2	0	0	1	0	2	1	0	0	0
751	Department for the Deaf and Hard-of-Hearing	0	0	0	0	0	0	0	0	0	0	0
765	Department of Social Services	4	5	1	1	1	0	0	0	0	0	0
766	Virginia Parole Board	0	0	0	0	0	0	0	0	0	0	0
777	Department of Juvenile Justice	41	44	50	58	30	17	14	25	21	10	0
778	Department of Forensic Science	1	0	0	0	0	0	1	1	0	1	0
792	Mental Health Treatment Centers	103	98	132	128	111	107	84	94	62	72	0
793	Intellectual Disabilities Training Center	25	37	36	24	36	11	12	8	9	10	0
794	Virginia Center for Behavioral Rehabilitation	2	4	6	8	6	6	3	6	3	6	0
799	Department of Corrections	63	90	87	73	72	66	77	65	66	64	0
820	Capitol Square Preservation Council	0	0	0	0	0	0	0	0	0	0	0
834	Virginia Freedom of Information Advisory Council	0	0	0	0	0	0	0	0	0	0	0
839	Virginia Commission on Youth	0	0	0	0	0	0	0	0	0	0	0
841	Department of Aviation	0	0	0	0	1	1	0	0	0	0	0
842	Chesapeake Bay Commission	0	0	0	0	0	0	0	0	0	0	0
844	Joint Commission on Health Care	0	0	0	0	0	0	0	0	0	0	0
847	Joint Commission on Technology and Science	0	0	0	0	0	0	0	0	0	0	0
848	Indigent Defense Commission	1	0	0	1	0	1	0	0	0	0	0
856	Opioid Abatement Authority	0	0	0	0	0	0	0	0	0	0	0
876	Virginia Conflict of Interest and Ethics Advisory Council	0	0	0	0	0	0	0	0	0	0	0
882	Behavioral Health Commission	0	0	0	0	0	0	0	0	0	0	0
912	Department of Veterans Services	11	13	20	22	17	7	21	6	5	7	0
913	Veterans Service Foundation	0	0	0	0	0	0	0	0	0	0	0
937	Southern Virginia Higher Education Center	0	0	0	0	0	0	0	0	0	0	0
938	New College Institute	0	0	0	0	0	0	0	0	0	0	0
942	Virginia Museum of Natural History	0	0	0	1	0	0	0	0	0	0	0
948	Southwest Virginia Higher Education Center	0	0	0	0	0	0	0	0	0	0	0
957	Commonwealth's Attorneys' Services Council	0	0	0	0	0	0	0	0	0	0	0
960	Department of Fire Programs	0	1	0	1	1	0	1	1	1	0	0
961	Division of Capitol Police	1	1	1	5	1	1	1	1	1	0	0
977	Virginia Cannabis Control Authority	0	0	0	0	0	0	0	0	0	0	0
980	In-State Undergraduate Tuition Moderator	0	0	0	0	0	0	0	0	0	0	0
999	Virginia Alcoholic Beverage Control Authority	19	21	20	19	18	20	15	9	16	18	0
	Statewide Total	625	640	672	664	564	557	500	471	422	445	0

Summary Charts – Selected Agencies

**COMMONWEALTH OF VIRGINIA
WORKERS' COMPENSATION
SELF INSURANCE FUND**

**EXPERIENCE STATISTICS BY AGENCY
REVIEW AS OF JUNE 30, 2022**

Agency 154 - Department of Motor Vehicles



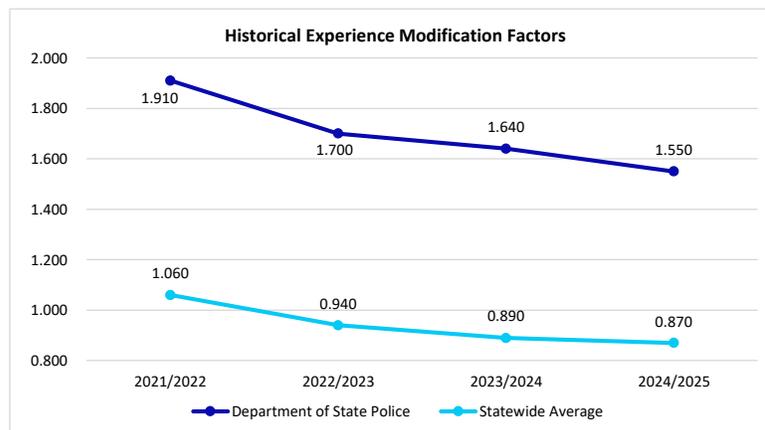
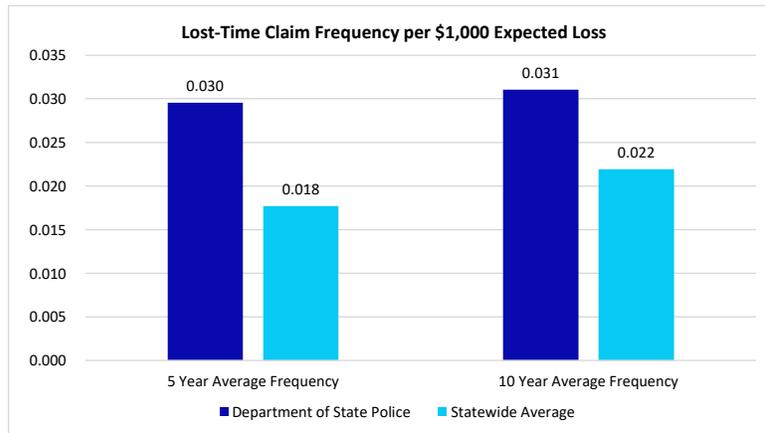
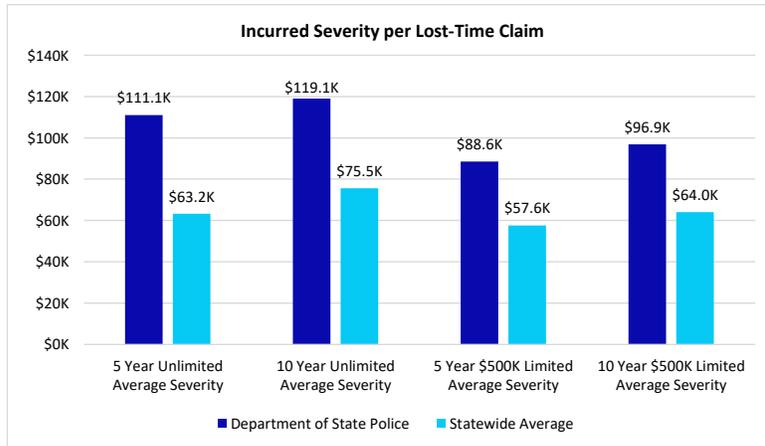
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COMMONWEALTH OF VIRGINIA WORKERS' COMPENSATION SELF INSURANCE FUND

EXPERIENCE STATISTICS BY AGENCY REVIEW AS OF JUNE 30, 2022

Agency 156 - Department of State Police



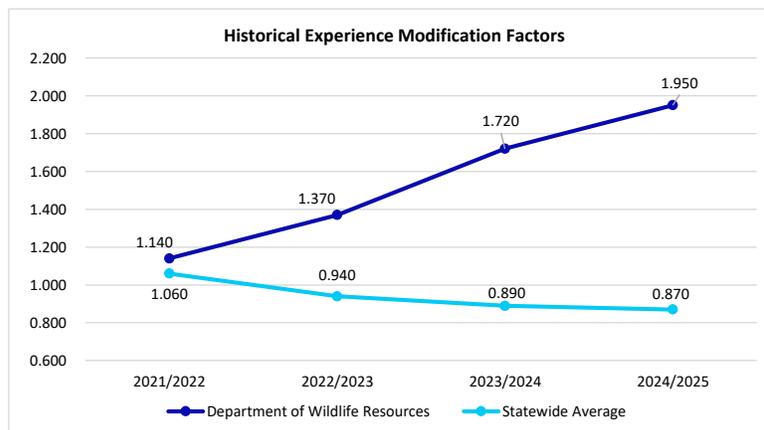
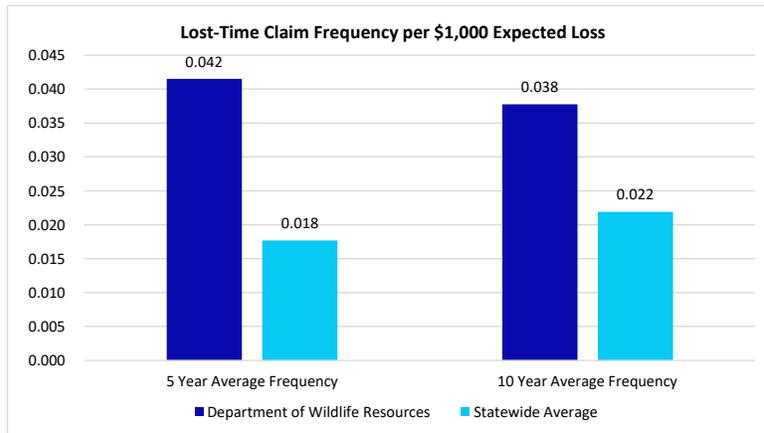
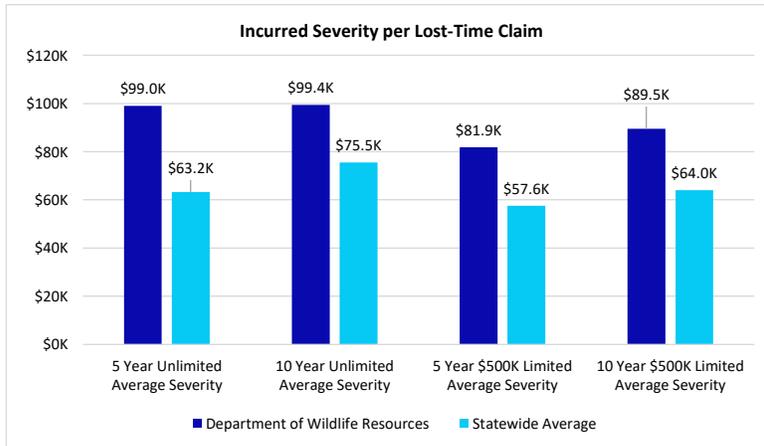
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**COMMONWEALTH OF VIRGINIA
WORKERS' COMPENSATION
SELF INSURANCE FUND**

**EXPERIENCE STATISTICS BY AGENCY
REVIEW AS OF JUNE 30, 2022**

Agency 403 - Department of Wildlife Resources



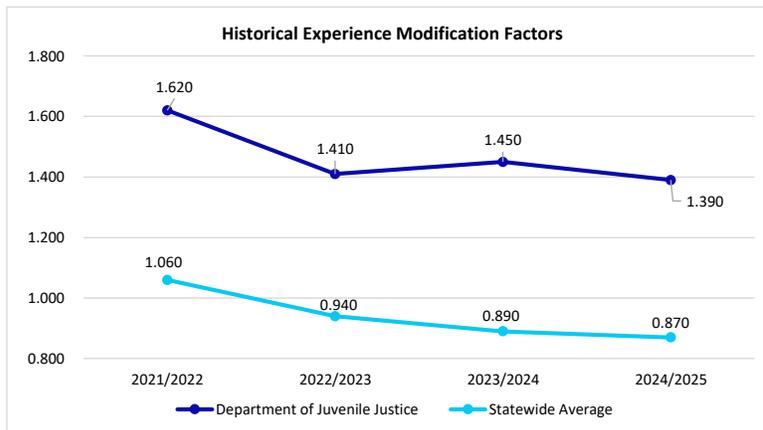
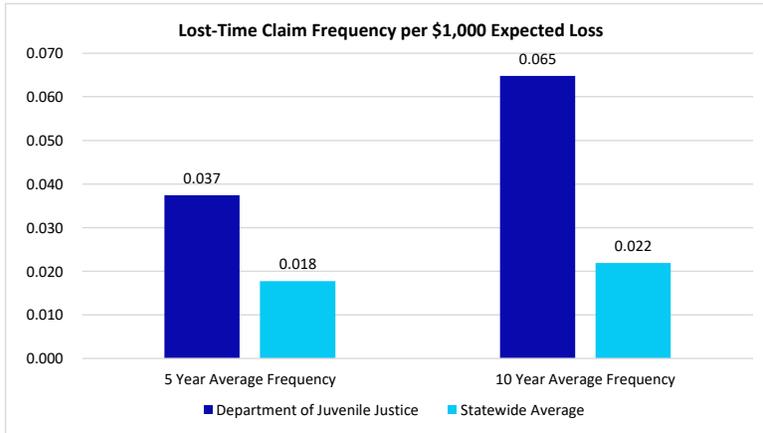
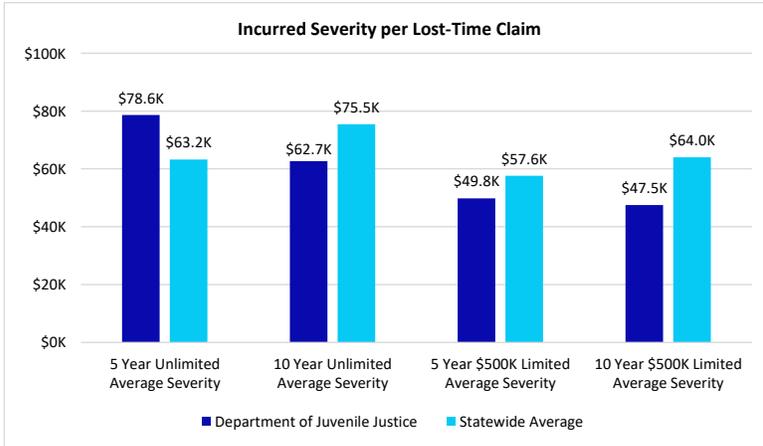
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**COMMONWEALTH OF VIRGINIA
WORKERS' COMPENSATION
SELF INSURANCE FUND**

**EXPERIENCE STATISTICS BY AGENCY
REVIEW AS OF JUNE 30, 2022**

Agency 777 - Department of Juvenile Justice



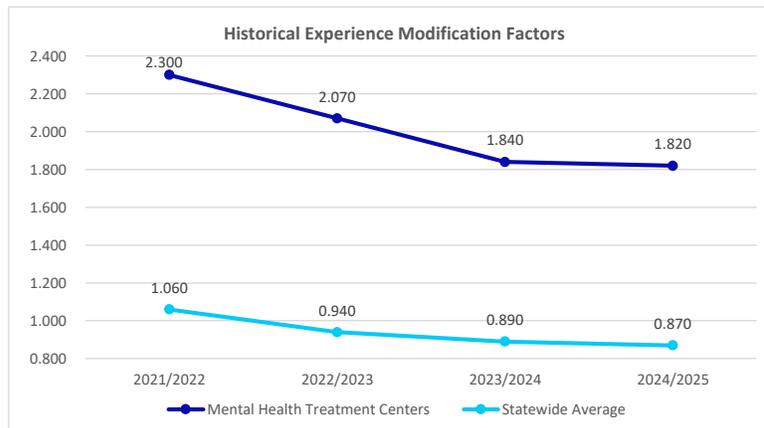
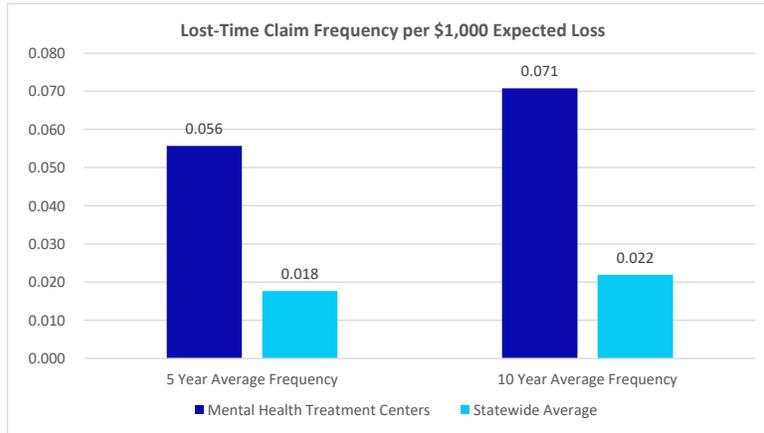
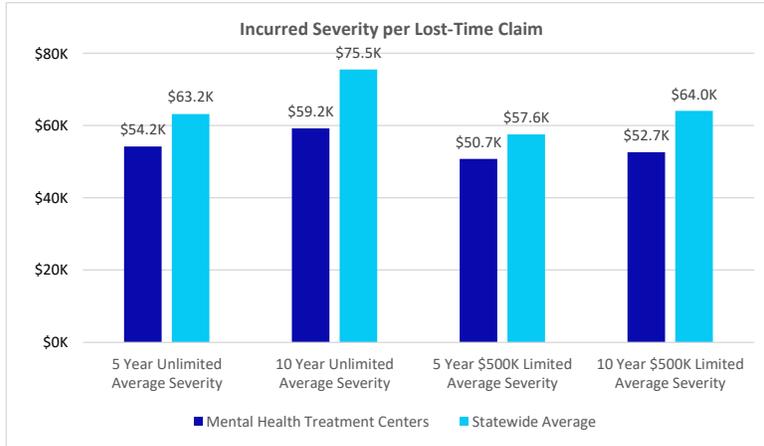
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COMMONWEALTH OF VIRGINIA WORKERS' COMPENSATION SELF INSURANCE FUND

EXPERIENCE STATISTICS BY AGENCY REVIEW AS OF JUNE 30, 2022

Agency 792 - Mental Health Treatment Centers



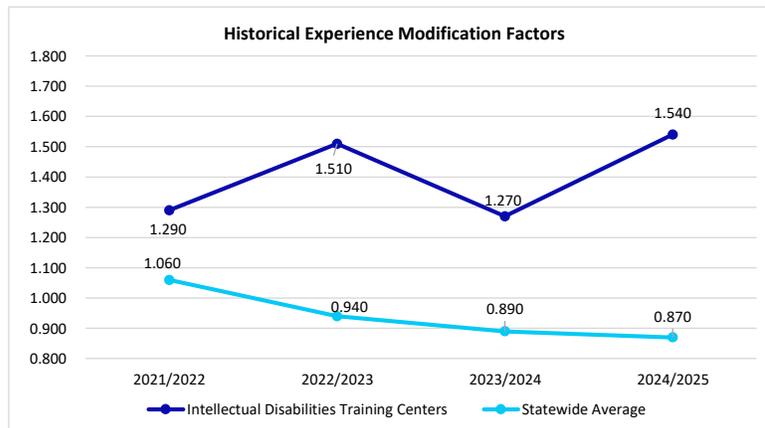
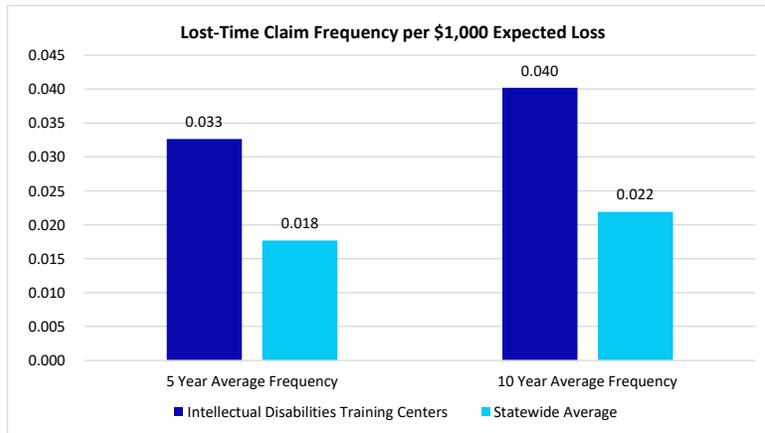
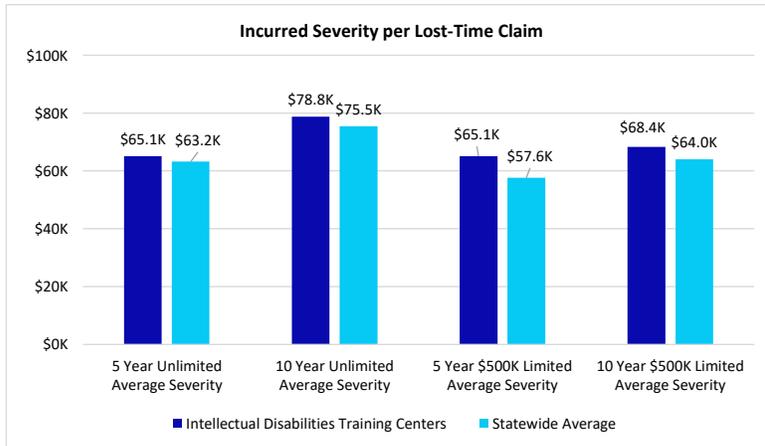
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**COMMONWEALTH OF VIRGINIA
WORKERS' COMPENSATION
SELF INSURANCE FUND**

**EXPERIENCE STATISTICS BY AGENCY
REVIEW AS OF JUNE 30, 2022**

Agency 793 - Intellectual Disabilities Training Centers



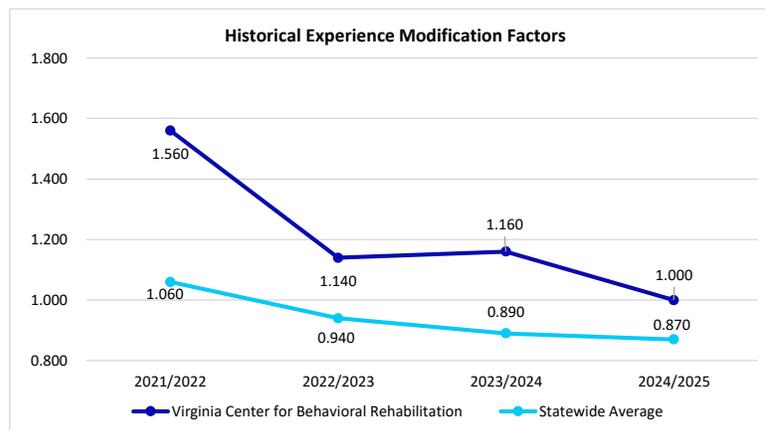
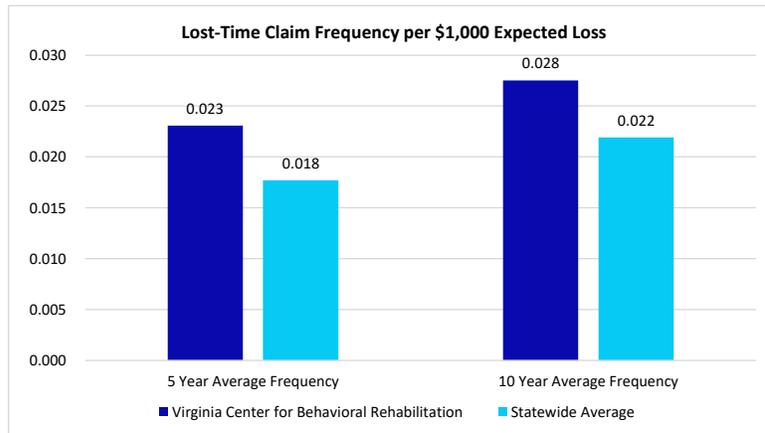
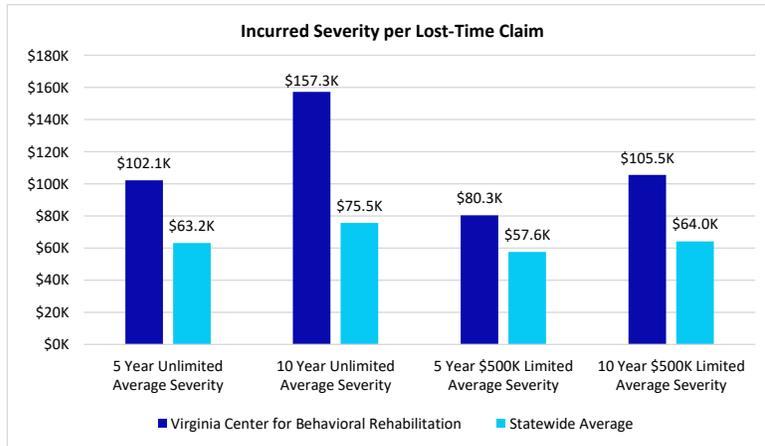
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COMMONWEALTH OF VIRGINIA WORKERS' COMPENSATION SELF INSURANCE FUND

EXPERIENCE STATISTICS BY AGENCY REVIEW AS OF JUNE 30, 2022

Agency 794 - Virginia Center for Behavioral Rehabilitation



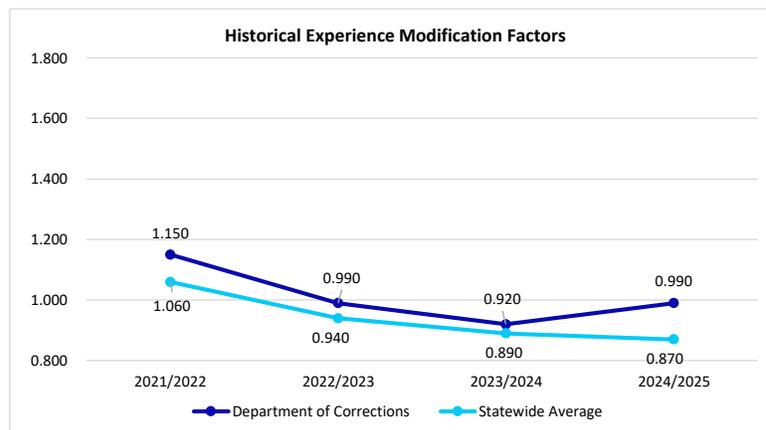
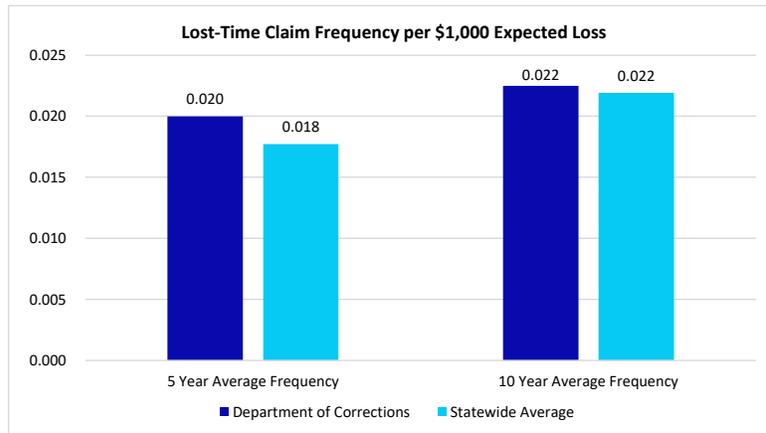
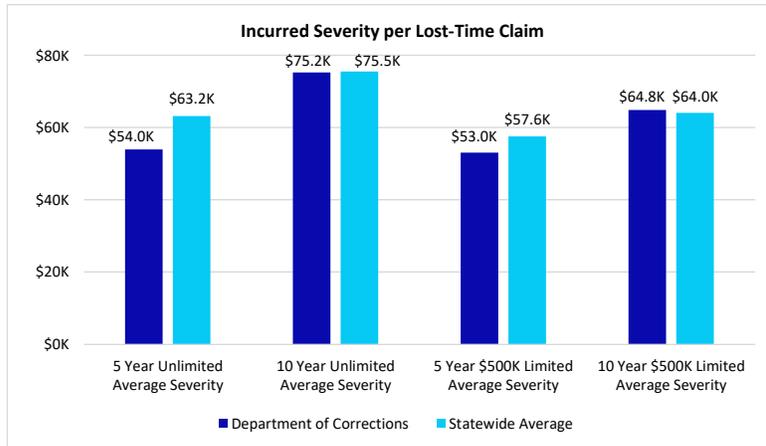
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COMMONWEALTH OF VIRGINIA WORKERS' COMPENSATION SELF INSURANCE FUND

EXPERIENCE STATISTICS BY AGENCY REVIEW AS OF JUNE 30, 2022

Agency 799 - Department of Corrections



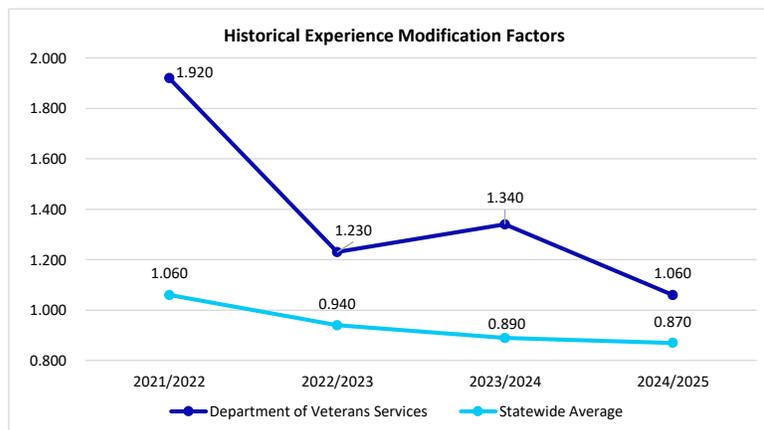
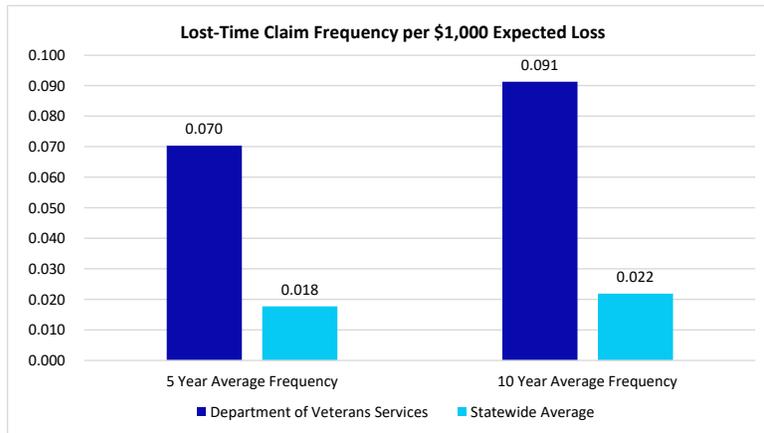
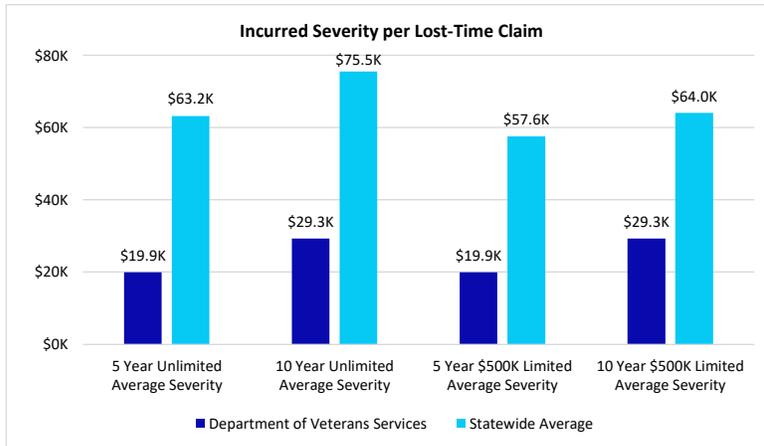
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COMMONWEALTH OF VIRGINIA WORKERS' COMPENSATION SELF INSURANCE FUND

EXPERIENCE STATISTICS BY AGENCY REVIEW AS OF JUNE 30, 2022

Agency 912 - Department of Veterans Services



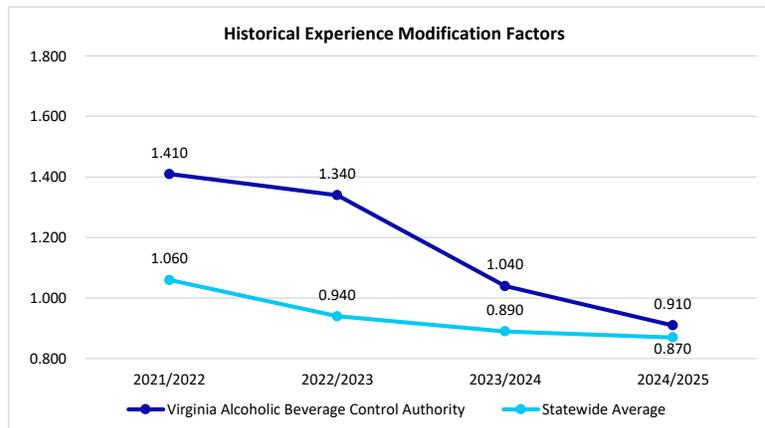
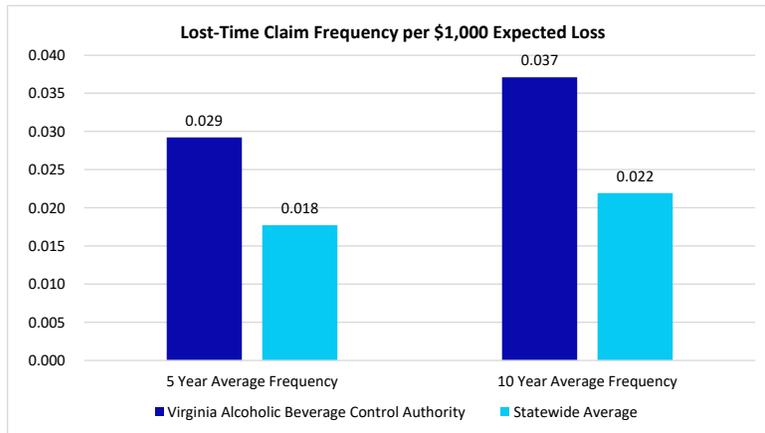
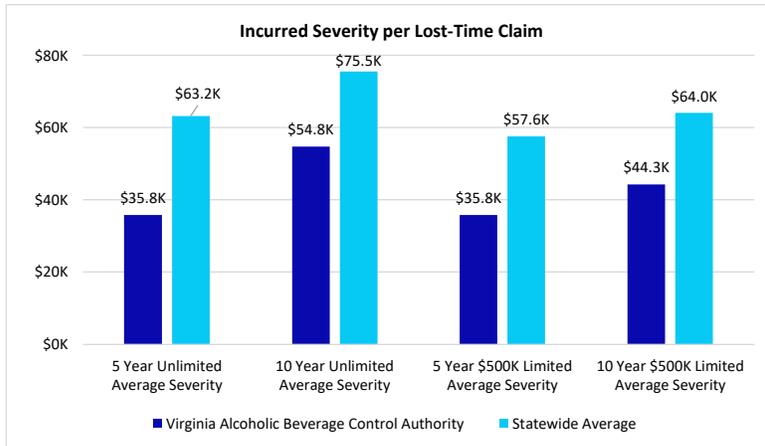
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**COMMONWEALTH OF VIRGINIA
WORKERS' COMPENSATION
SELF INSURANCE FUND**

**EXPERIENCE STATISTICS BY AGENCY
REVIEW AS OF JUNE 30, 2022**

Agency 999 - Virginia Alcoholic Beverage Control Authority



Notes:

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ACTUARIAL ANALYSIS OF SELF-INSURANCE FUND FOR WORKERS' COMPENSATION EVALUATED AS OF JUNE 30, 2022

Commonwealth of Virginia

Department of Human Resource Management

Office of Workers' Compensation

September 9, 2022



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Partner
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Mr. Aubrey Chigwada, Director
Workers' Compensation Program
Department of Human Resource Management
Office of Workers' Compensation
Commonwealth of Virginia
James Monroe Building, 6th Floor
101 North 14th Street
Richmond, Virginia 23219

September 9, 2022

Actuarial Analysis of Workers' Compensation Self-Insurance Fund as of June 30, 2022

Dear Aubrey:

Please find enclosed Oliver Wyman's actuarial report which contains our actuarial analysis of the Commonwealth of Virginia's Workers' Compensation self-insurance program.

The Executive Summary presents our findings and conclusions for the funding levels for future funding years and a recommendation regarding the adequacy of the self-insurance fund balance as of June 30, 2022 using loss data valued as of June 30, 2022.

It has been a pleasure working with you and your associates on this project.

Sincerely,

A handwritten signature in blue ink that reads "Jennifer K Price".

Jennifer K. Price, FCAS, MAAA
Direct Dial: (404) 239-6421

Enclosure

Contents

Contents

1.	Executive Summary	1
	Purpose and Scope	1
	Actuarial Findings	1
	Status of the Fund	1
	Projection of Required Reserve Margin at Various Confidence Intervals.....	2
	Estimated Ultimate Losses - Fiscal Years 2023-2027	2
	Accounting Projections	2
	Relevant Comments	4
	Estimation of Ultimate Losses for Fiscal Years 1987 Through 2022	5
	Estimation of Ultimate Losses for Fiscal Years 2023 Through 2027	6
	COVID-19	7
2.	Background	8
3.	Data	9
4.	Methodology.....	10
	Objectives.....	10
	Key Steps	10
	Confidence Interval Projections	11
5.	Exhibit Descriptions.....	12
6.	Distribution and Use	18
7.	Considerations and Limitations	19
8.	Acknowledgement of Qualifications.....	21
Appendix A.	Glossary.....	22

1. Executive Summary

Purpose and Scope

Oliver Wyman Actuarial Consulting, Inc. (Oliver Wyman) was retained by the Commonwealth of Virginia, Department of Human Resource Management, Office of Workers' Compensation (DHRM/OWC) to conduct an actuarial evaluation of its Workers' Compensation program. The Workers' Compensation program is evaluated as of June 30, 2022 using loss data valued as of June 30, 2022.

The objectives of our analysis are as follows:

1. Forecasts of DHRM/OWC funding requirements for claims, program expenses, and administrative expenses for the Workers' Compensation program.
2. Cash flow projections based on anticipated receipt of funds and payment of financial obligations.

We have provided funding estimates under various scenarios and at various confidence levels as directed by DHRM/OWC.

Actuarial Findings

Status of the Fund

In our analysis, we projected future workers' compensation payments associated with claims which occur on or before June 30, 2022. These future payments are referred to as the "required reserve" in our report. The first exhibit of the Accounting Projections section (EXHIBIT ACCT PROJ-1) compares our projection of the required reserve (on a discounted basis and an undiscounted basis) to the fund balance as of June 30, 2022. The discounted reserve estimate represents the present value of the projected future payments or, in other words, how much would need to be invested as of June 30, 2022 so that the principal plus interest would be sufficient to pay claims as they come due. (For more discussion of discounting, please see the Glossary section of this report). The required reserve estimates presented in this report are intended to represent actuarial central estimates. Consistent with applicable actuarial standards of practice, we define the actuarial central estimate as the expected value over the range of reasonably possible (as opposed to all conceivable) outcomes. Since the Commonwealth has not historically purchased excess insurance for the workers' compensation program, our estimates are presented on a statutory limits basis.

Please note that because Virginia Commonwealth University Hospital Authority's (VCUHA) employees are no longer employees of the Commonwealth as of July 1, 2001, their agency is no longer insured through the DHRM/OWC and is not submitting claims for accidents occurring on or after July 1, 2001. Therefore, the required reserve estimates in this study do not include a provision for VCUHA accidents occurring in FY 2002 and subsequent. The required reserve estimates do include a provision for VCUHA accidents occurring in FY 2001 and prior, as shown in rows 9b and 10b of the Accounting Projection exhibits.

Based on the losses valued as of June 30, 2022, exposure information as of June 30, 2022 and the additional information provided to us through August 31, 2022, we project the future workers' compensation payments associated with claims which occur on or before June 30, 2022 (i.e. the required reserve) to be \$568.0 million on an undiscounted basis. As seen in rows 8 through 12 on Exhibit ACCT PROJ-1, the estimated fund balance as of June 30, 2022, is \$475.7 million less than our projection of the required reserve on an undiscounted basis

(\$92.3 million versus \$568.0 million), and \$306.9 million less than our projection of the required reserve on a discounted basis (\$92.3 million versus \$399.2 million). The discounted reserve estimates utilize a 2.78% annual interest rate assumption, as provided by the Virginia Department of Treasury.

Of the total estimated reserve as of June 30, 2022 of \$568.0 million on an undiscounted basis (see row 9 of Exhibit ACCT PROJ-1), we estimate that \$40.6 million will be paid during FY 2023 (see row 4b of Exhibit ACCT PROJ-1, 2022 column). We understand that the Commonwealth records this amount as a current liability.

The estimated reserves presented in this analysis are gross of anticipated future recoverables.

Projection of Required Reserve Margin at Various Confidence Intervals

The figures presented in the Accounting Projections exhibits and discussed above represent our estimates of the expected value of future payments without any additional margin for possible adverse development. As an example, if only one claim was open with a demand for \$100,000 and the assessment was that the claimant had a 25% probability of being awarded the \$100,000 and a 75% probability of receiving no award (possibly due to lack of liability on the part of the Commonwealth), our expected value reserve would be \$25,000.

Exhibits WC TOTAL-3 and WC TOTAL-4 of the Summary Exhibits section present our projections of the amounts (on an undiscounted basis and a discounted basis, respectively) required to provide the funding necessary to cover losses at higher confidence levels. For example, we estimate (on an undiscounted basis) that \$656.7 million would be required to have sufficient funds to make all claim payments 95% of the time (19 out of 20 times). As an additional example, if the Commonwealth wanted to fund an amount that would be sufficient 45% of the time on an undiscounted basis, a reserve of \$559.5 million would be required.

It should be noted that the expected value estimate is greater than the 50% confidence level figure. This is virtually always true for property/casualty insurance programs, due to the potential for large claims.

Estimated Ultimate Losses - Fiscal Years 2023-2027

Exhibit WC TOTAL-2 of the Summary Exhibits section presents the projected ultimate losses for fiscal accident years 2023-2027. These figures are presented on an undiscounted expected value basis. In addition, these figures are presented at various confidence levels. All estimates on this exhibit exclude VCUHA.

Accounting Projections

The Accounting Projections section presents our five-year accounting projections for the Workers' Compensation program. These exhibits show our projections of various income statement and balance sheet items for this five-year period under several premium scenarios.

The first row of each accounting exhibit shows the fund balance at the beginning of the year. For 2022, the fund balance at the beginning of the year is the fund balance as of June 30, 2021 as provided by the Commonwealth. For other fiscal years, it is the fund balance at the end of the prior fiscal year (row 8). For example, the ending fund balance for FY 2022 becomes the beginning of the year fund balance for FY 2023. The premium shown on row 2 varies depending on the funding assumptions presented.

Row 3 represents transfers. Row 4 represents our projections of loss payments by fiscal year. The loss payments are shown separately for the current fiscal accident year versus prior fiscal accident years. These loss payments are presented in the supporting exhibits.

The program expenses (row 5) and administrative expenses (row 6) for 2022 through 2027 were based on information provided by DHRM/OWC.

The anticipated investment income is presented as row 7. For FYs 2023 through 2027, this projection is based on the fund balance at the beginning of the year, assumed premium collections at the beginning of the year, loss and expense payments made evenly throughout the year, and an assumed rate of return. Per instructions from the Department of Treasury, we use an annual rate of return of 2.78%.

The inflow of funds (i.e. premium and investment income) is added to the fund balance at the beginning of the year and projected outflows (i.e., loss payments, program expenses, administrative expenses, and transfers) are subtracted from this total to arrive at the projected end of year fund balance (row 8). For comparison purposes, our projected undiscounted and discounted reserves at the end of each fiscal year are presented in rows 9 and 10, respectively. The resulting fund positions are presented in rows 11 and 12 on an undiscounted and a discounted basis, respectively.

The two major components of the accounting projections are expected revenue (i.e., premium and investment income) and expected losses and expenses. The loss portion of the accounting projections is subject to actuarial analysis. The revenue portion is dependent upon the level of funding available from the Commonwealth. We provide accounting projections under various assumptions, as discussed above and in the following paragraphs.

Premium Scenarios

The premiums for 2022 and 2023 were provided by DHRM/OWC. For 2024 through 2027, the accounting projections are presented using the following six premium scenarios:

- Premium Based on Projected Cashflow
- Premium Based on Projected Cashflow Plus One Year's Cashflow
- Undiscounted Actuarial Premium
- Discounted Actuarial Premium
- Oliver Wyman Recommended Funding
- 2024 Premium Equal to 2023 Premium

Exhibit ACCT PROJ-1 shows the Cashflow, or Pay As You Go projected premiums and fund balances. The Cashflow premiums represent our projections of loss and expense payments (net of investment income) to be made during FYs 2024 through 2027. Exhibit ACCT PROJ-2 shows the "Cashflow Plus One Year's Cashflow" premium scenario. Under this scenario, the premium collected for FY 2024 is equal to the estimated loss and expense payments (net of investment income) to be made during FY 2024 plus the amount required so that the FY 2024 ending fund balance is equal to the FY 2025 cash flow.

Exhibit ACCT PROJ-3 shows the projected fund balances using the undiscounted actuarial premium estimates. The undiscounted actuarial premium estimates are the premium amounts required to pay the ultimate cost of claims anticipated to occur during FY 2024 through FY 2027 plus the program and administrative expenses in each of these years. Exhibit ACCT PROJ-4 shows the projected fund balances using the discounted actuarial premium estimates. This scenario considers the investment income that could be earned on the premium until the loss and expense payments come due if the premium funds were invested and yielded a 2.78% annual rate of return.

The Oliver Wyman Recommended Funding amount assumes that the Commonwealth is committed to a fully funded program on an undiscounted basis. That is, we have assumed that the Commonwealth will make a non-recurring contribution in FY 2024 in an amount equal to the undiscounted fund deficiency as of June 30, 2023 plus the FY 2024 undiscounted expected ultimate losses plus expenses. Each subsequent year's fully funded premium is equivalent to undiscounted expected ultimate losses plus all expenses of program operation. This can be seen in Exhibit ACCT PROJ-5.

Exhibit ACCT PROJ-6 shows the projected fund balances where 2024 Commonwealth agencies' premium equals 2023 premium and 2025 through 2027 premiums are based on estimated cash flows.

Please note that the premium and loss payment estimates in the accounting projections do not include a provision for VCUHA losses occurring in FY 2002 and subsequent. The premium and loss payment estimates do include a provision for payments on any VCUHA claims with accident dates prior to July 1, 2001. The VCUHA premiums for FYs 2023 through 2027 are derived based on Oliver Wyman's June 30, 2022 analysis of VCUHA's workers' compensation losses which used data valued as of June 30, 2022.

Relevant Comments

This analysis was completed using losses as of June 30, 2022. Incurred losses between June 30, 2021 and June 30, 2022 for accident years 2021 and prior were \$42.1 million (98.1%) lower than expected in total based on historical experience. Incurred development was lower than expected for indemnity, medical, and expense. Paid losses between June 30, 2021 and June 30, 2022 for accident years 2021 and prior were \$9.3 million (20.0%) lower than expected in total based on historical experience. Paid development was lower than expected for indemnity, medical and expense. The actual versus expected analysis is shown in Exhibit WC TOTAL-8 and is discussed in further detail in the "Program Summary" section of this report.

During fiscal year 2017, DHRM/OWC began a claim settlement project resulting in 262 settled claims as of June 30, 2022. The following table summarizes the results to-date of the settlement project.

Settlement Year	# of Claims	Total \$ Settlements	Cost Avoidance
FY 2017	62	\$4,889,899	\$14,726,445
FY 2018	42	\$3,569,370	\$8,794,562
FY 2019	39	\$3,576,463	\$13,363,769
FY 2020	49	\$4,140,500	\$13,840,065
FY 2021	45	\$3,896,000	\$11,224,660
FY 2022	25	\$1,827,000	\$5,000,690
Total	262	\$21,899,232	\$66,950,190

For each settled claim, DHRM provided the date of settlement, settlement amount, estimated future annual medical, indemnity and expense payments had the claim not settled, and estimated number of future years of medical, indemnity and expense payments had the claim not settled. Using this information, the total cost avoidance has been calculated as the difference between the estimated future annual medical, indemnity and expense payments had the claims not settled and the claim settlement amounts.

This settlement project is a significant contributor to the lower than expected incurred loss development during the fiscal year.

Actual loss experience to date for accidents occurring during FYs 1999 through 2022 continues to generally indicate lower pure premiums than experience for accidents occurring prior to FY 1999. This can be seen in

Chart 5. The reduction in pure premiums was likely related to Workers' Compensation program administration changes that occurred during the summer of 1998. On July 1, 1998, the Commonwealth entered into a cost containment contract with Managed Care Innovations (DBA MC Innovations). Included in that contract was third party claims administration for new claims as well as claims occurring during the period of self-administration. Other changes in the summer of 1998 include: reduced adjuster caseload, the addition of a Preferred Provider Organization, prescription drug discount program, aggressive loss control training programs, aggressive rehabilitation and job search, full time nurse consultants on staff, and increased use of surveillance.

This analysis includes a comparison of annual trends in ultimate losses per thousand dollars of payroll (i.e., loss rates or pure premiums) between the Commonwealth's self-insured program and the industry in total for Virginia. Indicated trends were calculated based on exponential regression and are summarized in Exhibit WC TOTAL-6. Industry pure premium trends based on data published by the National Council on Compensation Insurance are -4.25% for indemnity costs and -4.50% for medical costs. Indicated trends for the Commonwealth's self-insured program over the same time period (2008 through 2020) are -3.07% for indemnity costs and -5.48% for medical costs.

The Workers' Compensation fund as of June 30, 2022, is substantially inadequate in respect to having assets on hand to meet estimated liabilities when they become due for payment. We estimate future loss payments for accidents that have already occurred to be approximately \$568.0 million. If the fund had on hand invested assets of approximately \$399.2 million, and those assets earned approximately 2.78% per annum, there would be slightly over a 50% probability that there would be sufficient monies to pay for claims that have occurred through June 30, 2022. The undiscounted and discounted fund deficiencies as of June 30, 2022 are \$475.7 million and \$306.9 million, respectively. Unless a substantial non-recurring contribution is provided to the fund, this deficiency is expected to continue through June 30, 2027 and beyond.

Additionally, there are many variables which can change cash flow expectations, many of which the DHRM/OWC has no control over. Examples include:

1. Adverse fluctuation of actual incurred losses as compared to our estimates of expected incurred losses.
2. Reduced levels of premium. If sufficient premiums are not remitted to the fund for any reason, this will have an adverse impact on expected cash flow.
3. Downsizing of the exposures covered under the program. If the Commonwealth were to undergo a significant reduction in staff levels (e.g., a "state budget crisis"), this may reduce expected incurred losses but would also decrease premiums collected. However, cash payments required to pay unfunded benefits incurred in prior years would not decline significantly for several years. If the reduced staff levels continue for several years, the fund may ultimately not be able to make the payments required for previously injured workers' without significant rate increases.
4. Increasing the exposures covered under the program. An example would be an increase in those job classifications with higher pure premiums (i.e. loss per payroll).

Estimation of Ultimate Losses for Fiscal Years 1987 Through 2022

Estimated ultimate losses for FYs 2022 and prior are \$2.067 billion before reduction for recoveries. Our estimates of ultimate losses are shown by FY in Exhibit WC MED-6, WC IND-6, and WC EXP-6. The total

projected undiscounted reserve is \$568.0 million. The estimated undiscounted reserve is shown by FY in Exhibit WC TOTAL-1, WC MED-1, WC IND-1, and WC EXP-1.

Incurred losses between July 1, 2021 and June 30, 2022 for accident years 2021 and prior were \$42.1 million (98.1%) lower than expected in total based on historical experience. Indemnity, medical, and expenses were lower than expected.

Incurred medical losses between July 1, 2021 and June 30, 2022 for accident years 2021 and prior were \$38.7 million (130.9%) lower than expected based on historical experience. Incurred indemnity losses between July 1, 2021 and June 30, 2022 for accident years 2021 and prior were \$2.9 million (25.1%) lower than expected based on historical experience. Incurred expenses between July 1, 2021 and June 30, 2022 for accident years 2021 and prior were \$443 thousand (26.7%) lower than expected based on historical experience.

Based on our review of the data and discussions with WCS staff, we understand that the favorable medical incurred development relates to multiple factors, including (1) cost savings from claim settlements, (2) cost savings due to reserve adjustments, and (3) increased scrutiny around opioid prescriptions in the Commonwealth. We will continue to monitor this change in activity in future reports.

Paid losses between July 1, 2021 and June 30, 2022 for accident years 2021 and prior were \$9.3 million (20.0%) lower than expected in total based on historical experience. Paid medical losses between July 1, 2021 and June 30, 2022 for accident years 2021 and prior were \$8.8 million (27.9%) lower than expected. Paid indemnity losses between July 1, 2021 and June 30, 2022 for accident years 2021 and prior were \$164 thousand (1.2%) lower than expected. Paid expenses between July 1, 2021 and June 30, 2022 for accident years 2021 and prior were \$354 thousand (21.6%) lower than expected.

The actual versus expected analysis is shown in Exhibit WC TOTAL-8.

Beginning with the data valued as of June 30, 2013, we observed a dramatic increase in the average case reserves per open claim when comparing claims of similar maturities. We understand that this is the result of an explicit change in reserving methodology for the Commonwealth. The actuarial development assumptions in this analysis rely on the historical development observed subsequent to the June 30, 2013 change. However, it should be noted that changes of the magnitude observed in 2013 do add additional uncertainty to the actuarial projections.

During 2020, legislation (HB 438) was implemented that established a presumption of workers' compensation compensability for Post Traumatic Stress Disorder (PTSD) for firefighters and law enforcement officers for qualifying events occurring on or after July 1, 2020. A separate analysis performed by Oliver Wyman estimated the FY 2021 cost impact of this new legislation to range from \$372 thousand to \$2.27 million. An initial cost impact of \$500 thousand was selected and incorporated in the loss per exposure estimates described in the previous paragraph. We understand that as of June 30, 2022, three claims were considered but none were awarded benefits under PTSD section 65.2-107.

Please note that the projected ultimate losses for FYs 2002 and forward do not include any provision for VCUHA accidents.

Estimation of Ultimate Losses for Fiscal Years 2023 Through 2027

Exhibit WC TOTAL-2, column 3, displays projected losses for fiscal years 2023 - 2027. There are three key variables: expected exposure (i.e., expected payroll in millions of dollars); the selected base pure premium

(i.e., the expected loss per million dollars of payroll); and the expected future trend in costs over the five years after the base period. Estimated future payroll was provided by DHRM/OWC. For our selected expected loss per million dollars of payroll, we used the selected pure premiums from the Bornhuetter-Ferguson methods, trended to the appropriate cost level for each year. Residual loss trend (i.e., the excess of the trend in losses over the trend in wages) over the next five years was judgmentally selected to be -5.0% per annum for medical losses, -4.5% per annum for indemnity losses and 0.0% for expenses. The combined residual loss trend is approximately -4.6%. The trend assumptions are based on historical Commonwealth experience and insurance industry information in Virginia, and are consistent with the trends used in our applications of the Bornhuetter-Ferguson method.

The total ultimate losses for the 2023 accident year are approximately 17.6% lower than those projected in our June 2021 report. This decrease is a result of a decrease in projected loss per exposure from those projected in our report as of June 30, 2021. The projected loss per exposure for FY 2023 is approximately 22.4% lower than that projected in our report as of June 30, 2021, and the projected payroll for FY 2023 is approximately 6.1% higher. It should be noted that our projections of ultimate losses for future accident years are directly related to payroll. If the estimated payrolls are understated our projection of ultimate losses could be understated and likewise if payrolls are overstated, our projection of ultimate losses could be overstated.

COVID-19

The long-term impact of the COVID-19 pandemic on workers compensation experience is uncertain. The unprecedented nature of the pandemic, the numerous potential impacts on claims experience, and the uncertainty associated with activities and actions intended to temper the impact (such as client specific actions or more general governmental interventions) increase the uncertainty underlying the estimates contained in this report. There are numerous known and unknown potential impacts. These include, but are not limited to, the following:

- Current and potential future changes to standards of compensability for workers compensation claims due to exposure to or illness from COVID-19.
- Current and potential future changes to the frequency and severity of all workers compensation claims.
- Exposure to employers liability claims.
- Changes to underlying exposure due to telecommuting or other operational changes implemented as a result of the pandemic. This includes both temporary changes and permanent changes.
- Lengthening of the claims process during the pandemic due to delays in medical treatment or delayed court activity.
- Reduced availability of transitional duty jobs.

Potential impacts of the pandemic are many and the above only represents a sample of anticipated effects. Legislation (HB 1985, SB 1375, and HB 2207) was implemented that established a presumption of workers' compensation compensability for COVID-19 for health care providers, firefighters, emergency medical services personnel, law enforcement officers, and correctional officers for qualifying events occurring on or after March 12, 2020. As of June 30, 2022, there have been 73 reported COVID-19 claims payments or reserves with a total incurred value of \$3.08 million. We will continue to monitor this activity closely. No explicit adjustments have been made in this report related to the COVID-19 claims or exposure.

2. Background

During the years 1981 through 1986, the Commonwealth purchased a retrospectively-rated commercial insurance policy in connection with its Workers' Compensation exposure. During 1993, the Commonwealth entered into final settlement with the commercial insurance companies involved with several of these policy years. We have not included a provision in our report for any future policy premium adjustments associated with contracts which remain open.

Since July 1, 1986, the Commonwealth has self-insured its Workers' Compensation exposure. No excess insurance was purchased, and as a result, the Commonwealth is liable for payments up to the statutory Workers' Compensation benefit limits.

The Commonwealth has contracted with various organizations for third party administration (TPA) services since July of 1986. Beginning in the summer of 1986, the Commonwealth began using Gates-McDonald as a third party administrator. Consolidated Risk Management Services (CRMS) was retained as the Commonwealth's TPA beginning in mid-1989. However, effective July 1, 1992, the Commonwealth began to self-administer its Workers' Compensation program and assumed responsibility for claims formerly administered by CRMS. In 2007, the Commonwealth assumed responsibility for claims formerly administered by Gates-McDonald.

On July 1, 1998, the Commonwealth entered into a cost containment contract with Managed Care Innovations (dba MC Innovations). Included in that contract was third party claims administration for new claims as well as claims occurring during the period of self-administration. The staff of the administrator, York Risk Services, is located within the Commonwealth of Virginia offices, specifically co-locating with the DHRM/OWC staff overseeing the operation of the program.

Other changes in the summer of 1998 include: reduced adjuster caseload, the addition of a Preferred Provider Organization, prescription drug discount program, aggressive loss control training programs, aggressive rehabilitation and job search, full time nurse consultants on staff, and increased use of surveillance.

During FY 1999, legislation was implemented that expanded the heart presumption for certain categories of employees under the Workers' Compensation statutes. We have not made any explicit adjustments to our projections to reflect this legislation because these claims amount to a very small percentage of the overall program costs.

During 2020, legislation (HB 438) was implemented that established a presumption of workers' compensation compensability for Post Traumatic Stress Disorder (PTSD) for firefighters and law enforcement officers for qualifying events occurring on or after July 1, 2020. In addition, legislation (HB 783) was implemented that expanded the cancer presumptions in place to include compensability for cancers of the colon, brain, or testes diagnosed on or after July 1, 2020 for firefighters and hazardous duty materials officers. A separate analysis performed by Oliver Wyman evaluated the FY 2021 cost impact of this new legislation. The impact of the PTSD presumption has been incorporated in this analysis as described in the previous section. The impact of the expanded cancer presumption is expected to be minimal.

3. Data

For each available fiscal accident year, we were provided the historical loss information. This information included paid and incurred loss data by accident year at successive annual evaluation points (i.e., June 30 of each year) through June 30, 2022. We were also provided with actual payroll for the fiscal year ending June 30, 2022 and projected payroll through the fiscal year ending June 30, 2027.

DHRM/OWC also provided a listing of the claims settled during fiscal years 2017 through 2022. As of June 30, 2022, there were 262 claims settled for a total of \$21.9 million. The full \$21.9 million was coded as indemnity payments in the data provided for this analysis. However, \$11.9 million of the \$21.9 million was attributed to settlement of medical and expenses. Based on data provided by DHRM/OWC, we reclassified the \$11.9 million of payments to medical and expense throughout this analysis.

4. Methodology

This section of the report provides a description of the general actuarial methodology that we have applied in our analysis. We have separately analyzed the medical, indemnity, and expense components of claim costs in this study. Our detailed application of the analysis is displayed on a set of 16 exhibits for each segment, to which we refer in this section of the report to assist the reader. A more detailed description of the exhibits can be found at the end of the report.

Objectives

Our primary objective is to estimate the required reserves as of June 30, 2022, and to project the required reserves at each fiscal year end from June 30, 2023 through June 30, 2027. This was done by first estimating the ultimate losses. The following relationship is applied to estimate the required reserves:

$$\text{Required Total Reserves} = \text{Estimated Ultimate Losses} - \text{Total Paid Losses}$$

Having estimated the required total reserves, we can then estimate the incurred but not reported (IBNR) losses using the relationship:

$$\text{Estimated IBNR} = \text{Required Total Reserves} - \text{Case Reserves}$$

Key Steps

Our analysis includes the following steps which are encompassed by the exhibits found in this volume.

1. We estimated the ultimate losses for fiscal years ending 2022 and prior using five standard actuarial techniques:
 - the incurred loss development method (Exhibit 9);
 - the paid loss development method (Exhibit 10);
 - the Bornhuetter-Ferguson method applied to incurred losses (Exhibit 7);
 - the Bornhuetter-Ferguson method applied to paid losses (Exhibit 8);
 - the outstanding loss development method (Exhibit 11).

An additional method, the hindsight average claim cost method, was used in the medical analysis. These methods are explained in the Exhibit Descriptions section of this report.

2. We selected our estimate of the ultimate losses based on review of the estimates resulting from each of these methods and our judgment (Exhibit 6).
3. Exhibits 13 and 15 display the historical loss data. Exhibits 12 and 14 display the historical loss development factors, and the factors we selected to estimate future payment and reporting patterns, respectively.
4. We projected the ultimate losses for accident years 2023 through 2027, using the expected exposures and the selected pure premium from the Bornhuetter-Ferguson exhibits trended to the appropriate cost level for each accident year.
5. We projected the future loss payments by fiscal year through June 30, 2027. These projected payments are based on the projected reserve for accident years 2022 and prior, projected ultimate losses for accident years 2023 - 2027 and estimated payment patterns. We then estimated the undiscounted reserves for each fiscal year end from June 30, 2023 through June 30, 2027, based on the estimated ultimate losses, reserve projections and our estimated future payments (Exhibit 3). We also estimated the discounted

reserves for each fiscal year end from June 30, 2023 through June 30, 2027, based on the estimated undiscounted reserves and an interest rate of 2.78% (Exhibit 4).

6. As shown on various exhibits, we provided confidence intervals in addition to our expected value estimates. For example, the 75% confidence interval shows the value that we estimate will exceed actual losses 75% of the time.

Confidence Interval Projections

In this report, we provide confidence intervals (or confidence margins) based on a variety of probability levels. Our confidence level projections are based on simulation models which provide probability estimates of various loss experience outcomes. Model inputs include number of claims, average claim severity and the coefficient of variation (i.e., the ratio of the standard deviation to the mean).

The confidence level simulation model includes only "process" variance and does not include "parameter" variance. For example, if we projected a mean number of claims for FY 2022 of 25, we expect fluctuation around the mean number of claims (i.e., process variance). However, we have not included a provision in our model to account for the additional variability associated with the possibility that our estimate of the mean 25 claims is incorrect (i.e., parameter variance). As a result, the "true" variability is actually more than presented in our report.

While the theoretical properties of the model are quite complex, more detail regarding the model is available upon your request.

5. Exhibit Descriptions

Exhibits 1 through 16 are provided separately for medical, indemnity and expenses (as WC MED, WC IND, and WC EXP Exhibits 1 through 16). In addition, counts are analyzed in WC COUNT Exhibits 1 through 9 and WC LT COUNT Exhibits 1 through 9. The analysis is summarized in WC TOTAL Exhibits 1 through 14. The exhibits contain detailed notes, and therefore should be self-explanatory. The purpose of this section of the report is to provide a brief narrative description of each of the exhibits in order to provide an overview for the reader. These Exhibit descriptions apply to the following sections: WC MED, WC IND, and WC EXP.

Exhibit 1

This provides a summary of the status of the program as of June 30, 2022. For each accident year and in total, Exhibit 1A displays our estimate of the selected ultimate losses (column 1); paid losses and case reserves as of June 30, 2022 (columns 2 and 3); estimated IBNR and total undiscounted reserves (columns 4 and 5); discount factors (column 6); and estimated total discounted reserves (column 7).

Sheet 1B (Total) provides the same information reduced for recoveries to date.

Exhibit 2

This summarizes our estimates for the future fiscal accident years, 2023 through 2027. It provides estimated exposures and losses per exposure (columns 1 and 2); estimated ultimate losses (column 3); and estimated ultimate losses at various confidence intervals.

Exhibit 3

This provides a projection of the undiscounted reserves that will be appropriate as of each fiscal year end from June 30, 2023, through June 30, 2027. In addition, various confidence intervals are shown.

Exhibit 4

This is identical to Exhibit 3, except that it provides the reserves on a discounted basis.

Exhibit 5

This provides a projection of claim payments that will be made during fiscal years 2023 through 2027.

Exhibit 6

This summarizes the estimates of ultimate losses by fiscal accident year that result from each of the actuarial techniques used and shows our selected estimate of the ultimate losses.

Exhibit 7

This displays the estimate of the ultimate losses by accident year using the Bornhuetter-Ferguson method applied to incurred losses.

When applying the Bornhuetter-Ferguson method to incurred losses, the ultimate losses are estimated as a weighted average of the estimates resulting from two other methods, (1) the loss development method applied to incurred losses (explained below under Exhibit 9); and, (2) a preliminary estimate of incurred losses.

The two estimates are averaged in such a way that, for more recent years (with relatively high percentages of losses expected to be unreported), more weight is given to the preliminary estimate. For older years (with

relatively low percentages of losses expected to be unreported), relatively more weight is given to the estimate of ultimate losses resulting from the loss development method. This averaging process is designed to overcome the instability of estimates that can result from applying the loss development method to more recent years, and to overcome the lack of responsiveness to actual experience that often accompanies the preliminary estimate.

Following is a detailed explanation of the Bornhuetter-Ferguson method applied to incurred losses:

Column 1 displays the exposure for each year. This will eventually be multiplied by the detrended pure premium (column 4) to provide the expected loss (column 5).

Column 2 displays the projected pure premium, which is the loss per exposure that results from review of the results of the loss development method applied to paid losses (see Exhibit 10) and the loss development method applied to incurred losses (see Exhibit 9). It is an alternative estimate of ultimate losses per exposure, based upon the two applications of the loss development method.

Column 3 displays the trended pure premium, which results from adjusting the pure premiums in column 2 to 2022 cost levels; this column represents a series of estimates of the 2022 pure premium with each estimate based on the actual data for one historical accident year. At the bottom of column 3 we show a selected number, which represents our preliminary estimate of the 2022 cost level pure premium based on examination of column 3.

Column 4 displays the detrended pure premium, which results from starting with the selected pure premium for 2022 and adjusting to the cost levels of each of the prior years. This results in preliminary estimates of the pure premiums for each of the past years.

Column 5 displays the expected loss, which results from multiplying the exposures (column 1) by the detrended pure premium (column 4). All applications of the Bornhuetter-Ferguson method begin with a preliminary estimate of ultimate losses, and column 5 provides this preliminary estimate. It is a key value, because it is combined with the expected percentage of unreported losses to provide an estimate of the expected unreported losses, or IBNR (column 7).

Column 6 displays the percentage of ultimate losses unreported, which is derived from the selected cumulative incurred loss development factors. For example, suppose that in the application of the loss development method to incurred losses (discussed below under Exhibit 9) we selected a factor of 1.500 to develop incurred losses to their ultimate value; the implication of 1.500 is that we assume that two thirds of ultimate losses have been reported to date and that the remaining one-third is IBNR. In this example, then, the percentage unreported would be 33.3%.

Column 7 displays the expected unreported loss (in other words, IBNR) that results from multiplying the expected loss (column 5) by the percentage unreported loss (column 6).

Column 8 displays the incurred losses as of June 30, 2022.

Column 9 displays the estimated ultimate loss which is the sum of the expected unreported loss (column 7) and the incurred loss (column 8).

Exhibit 8

Exhibit 8 is virtually identical to Exhibit 7 except that columns 6, 7, and 8 are in terms of unpaid and paid loss, instead of unreported and reported loss. Similarly, the explanation given above for Exhibit 7 applies except

that the discussion of columns 6, 7, and 8 refer to unpaid and paid loss, instead of unreported and reported loss.

Exhibit 9

This displays the estimate of the ultimate losses, by accident year, using the loss development method applied to incurred losses. When applying the loss development method to incurred losses, the losses incurred to date are multiplied by a loss development factor in order to derive an estimate of the ultimate losses. The loss development factor that is used is based on analysis of the historical reporting patterns.

Column 1 displays the incurred losses for each year, as of June 30, 2022.

Column 2 displays the incurred loss development factors, which are from Exhibit 12, as discussed below.

Column 3 displays the selected incurred loss development factors, which are generally identical to those shown in column 2, except as noted.

Column 4 displays the estimated ultimate losses, which result from multiplying the incurred losses (column 1) by the selected incurred loss development factors.

Exhibit 10

This displays the estimate of the ultimate losses, by accident year, using the loss development method applied to paid losses.

Exhibit 10 is virtually identical to Exhibit 9 except that it is based on paid losses rather than incurred losses.

Exhibit 11

This displays the estimate of the ultimate losses, by accident year, using the outstanding loss development method applied to case reserves.

When applying the outstanding loss development method to case reserves, the case reserves are multiplied by a loss development factor in order to derive an estimate of the IBNR. Incurred losses to date are then added to the estimated IBNR to derive ultimate losses. The loss development factor that is used is based on analysis of the historical reporting and payment patterns.

Column 1 displays the paid losses for each year, as of June 30, 2022.

Column 2 displays the case reserves for each year, as of June 30, 2022.

Column 3 displays the selected paid loss development factors, which are from Exhibit 14.

Column 4 displays the selected reported loss development factors, which are from Exhibit 12.

Column 5 displays the estimated ultimate losses, which result from multiplying the case reserves (column 2) by the developed case reserve loss development factors (see footnote for calculation) and adding the paid losses (column 1) and case reserves (column 2).

Exhibit 12

The top section of the exhibit displays the age-to-age incurred loss development factors.

For any of the periods (12 months to 24 months, 24 months to 36 months, etc.) a factor of 1.250 (for example) indicates that the amount of incurred losses increased by a factor of 1.250 from the beginning of the period to the end of the period.

These are calculated based on the actual incurred loss data shown in Exhibit 13.

The bottom section of the exhibit displays various averages and selected factors, specifically:

The Volume Weighted Averages represent averages of the specified number of points. The volumes used as the weights are the incurred losses as of the beginning of the specific time period.

The Arithmetic Averages represent the arithmetic averages of the specified number of points.

The average excluding high and low (Excl. Hi-Lo) represents the arithmetic average of all the data points, excluding the high and low points.

The Insurance Industry Factor (Insur Indus) represents a benchmark loss development factor, based on insurance industry data.

The Selected Factor (Selected) represents our selection of the appropriate loss development factor for the purpose of our projections.

The Cumulative Selected Factor (Cum Sel'd) represents the result of accumulating, by successive multiplication, the selected loss development factors. The following table illustrates how they are computed:

Development Period:	<u>Selected:</u>	Cumulative <u>Selected:</u>
Tail (after 108)	1.010	1.010
96 to 108	1.005	1.015 = 1.010 x 1.005
84 to 96	1.008	1.023 = 1.015 x 1.008
72 to 84	1.010	1.033 = 1.023 x 1.010
60 to 72	1.025	1.059 = 1.033 x 1.025
Etc.		

Last Year's Selected (L't yr Sel'd) indicates the selected loss development factor that was chosen in last year's analysis.

The Expected Percentage Reported (Exp % Rep'd) reflects the expected percentage of losses that have been reported to date, based on the cumulative selected development factor. For example, if the cumulative selected development factor is 1.500, then the corresponding expected percentage of losses reported to date would be 66.6% (1.000/1.500).

The Tail, shown in the right hand column, represents our estimate of the development beyond the oldest known period.

For the expense analysis, Exhibit 12B a different adjustment is performed, as discussed below in the description of Exhibit 13.

Exhibit 13

This displays the actual incurred losses reported for each accident year, as of various valuation points. The most recent diagonal represents incurred losses as of June 30, 2022.

For the expense analysis, an adjustment is performed. Specifically, paid expenses at valuation dates of June 30, 2004 and prior were adjusted to be consistent with the types of expenses coded June 30, 2005 and subsequent.

Exhibit 14

This is identical to Exhibit 12, except that it is in terms of cumulative paid losses rather than incurred losses.

For the expense analysis, Exhibit 14B utilizes the adjustment discussed for Exhibit 13.

Exhibit 15

This is identical to Exhibit 13, except that it is in terms of cumulative paid losses rather than incurred losses.

For the expense analysis, Exhibit 15B utilizes the adjustment discussed for Exhibit 13.

Exhibit 16

Each of the loss projections methods discussed above are based on a set of underlying assumptions. The following exhibits present information which is used to assess consistency in the historical Commonwealth experience. It is often informative to review the consistency of these ratios for different accident years at the same evaluation points. For example, significant changes in the adequacy of case reserves or changes in the timing of claim payments can sometimes be detected (or confirmed, if already suspected) by review of these ratios.

Sheet A displays the average paid loss by accident year, as of various evaluation points.

Sheet B displays the average reported loss by accident year, as of various evaluation points.

Sheet C displays the average case reserve per open claim by accident year, as of various evaluation points.

Sheet D displays the average implied outstanding loss by accident year, as of various evaluation points. The projected ultimate losses, historical payments, and historical claim counts are used to derive these average outstanding losses.

Sheet E displays the ratios of paid loss to incurred loss and the ratio of closed claims to reported claims, by accident year, as of various evaluation points.

Sheet F displays the average reported loss to exposure and the average paid loss to exposure, by accident year, as of various evaluation points.

Sheet G displays the average reported claim count to exposure and the average paid claim count to exposure, by accident year, as of various evaluation points.

Sheet H displays the ratio of paid loss to closed claim counts and the disposal rate, by accident year, as of various evaluation points.

Sheet I displays the change in incurred development as a percentage of the case reserves as of the beginning of the period, by accident year, as of various evaluation points.

Sheet J of the medical section displays the average implied IBNR loss by accident year, as of various evaluation points. The projected ultimate losses, historical incurred losses, and historical claim counts are used to derive the average IBNR.

Sheet K of the medical section displays the hindsight average claim cost method. In this method, a preliminary estimate of average unpaid loss per open and IBNR claim is calculated by accident year at various evaluation points based on the results of the loss development methods and the historical paid losses and open claims. For each age of development, the indicated average unpaid losses are trended to current cost levels and a current level average is selected. The selected averages at the appropriate age of development are then multiplied by the current number of open and IBNR claims for each accident year to determine an estimate of unpaid losses. This estimate of unpaid losses is then added to losses paid to-date to arrive at the hindsight average claim cost method indication of ultimate losses.

Throughout the Exhibits, the calculations are carried out to more decimal places than are displayed. In some instances this may result in minor discrepancies that are actually rounding differences.

6. Distribution and Use

Usage and Responsibility of Client – Oliver Wyman prepared this report for the sole use of the client named herein for the stated purpose. This report includes important considerations, assumptions, and limitations and, as a result, is intended to be read and used only as a whole. This report may not be separated into, or distributed, in parts other than by the client to whom this report was issued, as needed, in the case of distribution to such client’s directors, officers, or employees. All decisions in connection with the implementation or use of advice or recommendations contained in this report are the sole responsibility of the client named herein.

Third Party Reliance and Due Diligence – Oliver Wyman’s consent to any distribution of this report (whether herein or in the written agreement pursuant to which we issued this report) to parties other than of the client named herein does not constitute advice by Oliver Wyman to any such third parties. Any distribution to third parties shall be solely for informational purposes and not for purposes of reliance by any such parties. Oliver Wyman assumes no liability related to third party use of this report or any actions taken or decisions made as a consequence of the results, advice or recommendations set forth herein. This report should not replace the due diligence on behalf of any such third party.

7. Considerations and Limitations

Data Verification – For our analysis, we relied on data and information provided by the client named herein without independent audit. Though we have reviewed the data for reasonableness and consistency, we have not audited or otherwise verified this data. Our review of data may not always reveal imperfections. We have assumed that the data provided is both accurate and complete. The results of our analysis are dependent on this assumption. If this data or information is inaccurate or incomplete, our findings and conclusions might therefore be unreliable.

Prospective Policy / Accident Period Estimates – We estimated the prospective policy/accident period estimates developed in this analysis using estimated loss costs and the projected exposures. Prospective period loss and ALAE estimates are directly related to the projected exposures. Therefore, if actual exposures differ from the projection, we would need to adjust the prospective policy/accident period estimates accordingly.

Supplemental Data – Where historical data of the client named herein was either (i) not available, (ii) not appropriate or (iii) not sufficiently credible to develop our actuarial assumptions, we supplemented it with external information, as we deemed appropriate. Although we believe these external sources may be more predictive of future experience of the client named herein than any other data of which we are aware, the use of external data adds to the uncertainty associated with our projections.

Exclusion of Other Program Costs – The scope of the project does not include the estimation of any costs other than those described herein. Such ancillary costs may include unallocated loss adjustment expenses (ULAE); excess insurance premiums; the costs of trustee, legal, administrative, risk management and actuarial services; fees and assessments; and costs for surety bonds or letters of credit pertaining to claim liabilities.

Discounting – Discounted estimates are subject to additional uncertainty that results from the following:

- In addition to the risk of underestimating or overestimating the overall amount of the nominal unpaid loss and ALAE, there is the additional risk that the timing of the future payments will differ from the expected payout.
- There is the risk the actual future yield on the underlying assets (if any) will differ from the assumed yield rate used for determining present value factors.

We have not included any specific provision for this additional risk.

The client named herein provided the interest rate(s) used in this analysis. An assessment of the reasonableness of the interest rate assumption(s) is beyond the scope of our analysis. As a result, we express no opinion on the appropriateness of the interest rate(s) used in the discounting calculation.

Funding of Claim Payments – We have not examined any assets that may be supporting the liabilities, and have made no assumptions regarding the maturities and liquidity of these assets, should they exist. This examination is beyond the scope of our review.

Rounding and Accuracy – Our models may retain more digits than those displayed. Also, the results of certain calculations may be presented in the exhibits with more or fewer digits than would be considered significant. As a result, there may be rounding differences between the results of calculations presented in the exhibits and replications of those calculations based on displayed underlying amounts. Also, calculation results may not have been adjusted to reflect the precision of the calculation.

Unanticipated Changes – We developed our conclusions based on an analysis of the data of the client named herein and on the estimation of the outcome of many contingent events. We developed our estimates from the historical claim experience and covered exposure, with adjustments for anticipated changes. Our estimates make no provision for extraordinary future emergence of new types of losses not sufficiently represented in historical databases or which are not yet quantifiable. Also, we assumed that the client named herein will remain a going concern, and we have not anticipated any impacts of potential insolvency, bankruptcy, or any similar event.

Internal / External Changes – The sources of uncertainty affecting our estimates are numerous and include factors internal and external to the client named herein. Internal factors include items such as changes in claim reserving or settlement practices. The most significant external influences include, but are not limited to, changes in the legal, social, or regulatory environment surrounding the claims process. Uncontrollable factors such as general economic conditions also contribute to the variability.

Uncertainty Inherent in Projections – While this analysis complies with applicable Actuarial Standards of Practice, users of this analysis should recognize that our projections involve estimates of future events and are subject to economic and statistical variations from expected values. We have not anticipated any extraordinary changes to the legal, social, or economic environment that might affect the frequency or severity of claims. For these reasons, we do not guarantee that the emergence of actual losses will correspond to the projections in this analysis.

Probability Levels – We have calculated estimates of the statistical uncertainty associated with the process risk inherent in our estimates. However, unless otherwise indicated, our probability level estimates do not address parameter or model risk. To the extent that the probability estimates do not address parameter risk or model risk, the true variability of results is greater than the range of outcomes presented. The client named herein may wish to consider this additional uncertainty in evaluating the estimates presented in this report.

COVID-19 Pandemic - We have included no explicit adjustments in this report for the effect of the COVID-19 pandemic on loss experience except as specifically noted in this report. The impact of this event on loss experience is highly uncertain and generally unquantifiable at this time.

8. Acknowledgement of Qualifications

Jennifer Price is a Fellow of the Casualty Actuarial Society (FCAS) and Member of the American Academy of Actuaries (MAAA) and meets the Qualification Standards of the American Academy of Actuaries to provide the actuarial analysis contained herein.

Appendix A. Glossary

Accident Period

The period in which the event giving rise to a claim occurred, regardless of when the claim is actually reported.

Accounting Date

The point in time at which the estimate of unpaid claims and ACAE is evaluated.

Actuarial Central Estimate

An estimate that represents an expected value over the range of reasonably possible outcomes. Such range of reasonably possible outcomes may not include all conceivable outcomes.

Allocated Loss Adjustment Expense (ALAE)*

Expense costs associated with the handling and settling of an individual claim that can be directly attributed to the particular claim. Fees paid to outside defense attorneys and investigation firms are examples of this expense cost.

Case Reserves

The unpaid claim estimates established by adjusters on an individual claim basis.

Claim

A demand for payment under the coverage provided by a plan or contract. As used throughout this Glossary, it also includes suits, potentially compensable events, notifications, and unasserted claims.

Claim Frequency

The number of claims that occur over a period of time per unit of exposure.

Claim Reporting Pattern

The rate at which claims are assumed to be reported over time.

Claim Severity

The average cost per claim.

Coefficient of Variation

A statistical measure of dispersion. The coefficient of variation is calculated as the standard deviation of the random process divided by the expected value (mean).

Confidence Level

The probability that the outcome of a random process will not exceed an associated estimate. For example, a 75% confidence level for an unpaid claim estimate of \$10 million would indicate that there is a 75% probability that the actual claim payments will be less than or equal to \$10 million. The estimate is defined in the context of the risks modeled in our analysis and may not consider all factors contributing to variability of outcomes.

Credibility

A measure of the predictive value of a body of data.

* Some terminology may not be appropriate for insurance companies.

Development

The change between valuation dates in the observed values of certain fundamental quantities that may be used in the unpaid claim estimation process.

For example, the number of reported claims associated with events occurring within a particular period will change from one valuation date to the next until all claims have been reported. In a similar fashion, the paid claim amounts for events occurring within a particular period will change from one valuation date to the next until all claims have been reported and closed. The change in the number of reported claims or the change in the paid claim amounts is referred to as development. The concept of development also applies to reported incurred losses.

Discounted Unpaid Loss Estimate

The unpaid loss amount estimate presented on a basis that reflects the time value of money. In other words, how much would need to be invested as of the accounting date such that principal and interest would be equal to the expected future claim payments as they come due.

Estimated Ultimate Incurred Losses

The estimated cost of claims during a period. Ultimate incurred losses represent the total of paid claim amounts, case reserves, and IBNR.

Event

The incident or activity that triggers potential for claim or allocated claim adjustment expense payment.

Exposure

A measure of the underlying potential for claim costs.

IBNR

The unpaid claim estimate for: (a) events that have occurred for which claims have not been reported as of the accounting date, (b) future development of the case reserves, (c) claims that have been reported but not yet recorded in the loss listing, and (d) claims that have been closed but that will be reopened.

Loss

The cost associated with a claim. The cost may or may not include loss adjustment expenses.

Loss Adjustment Expenses

The costs of administering, determining coverage for, settling, or defending claims. Loss adjustment expenses include allocated loss adjustment expenses and unallocated loss adjustment expenses.

Loss Cost

The loss amount per exposure unit.

Method

The systematic procedure for developing an actuarial estimate.

Model

A mathematical or empirical representation of a specified phenomenon.

Model Risk

The risk that the methods are not appropriate to the circumstances or the models are not representative of the specified phenomenon.

Occurrence Insurance Coverage

A policy that provides coverage for all claims arising from events that occur during the policy period, no matter when they are reported.

Occurrence Period

The period in which the event giving rise to a claim occurred, regardless of when the claim is actually reported.

Paid Losses

The total aggregate dollar amount paid on all reported claims as of a certain date.

Parameter Risk

The risk that the assumptions or parameters used in the methods or models are not representative of future outcomes.

Payment Pattern

The rate at which claims are paid over time.

Process Risk

The uncertainty associated with the projection of future contingencies that are inherently variable, even when the parameters are known with certainty.

Recorded Claim Reserve or Liability

The provision for unpaid claim amounts shown in a published financial statement or in an internal statement of financial condition.

Recorded Date

The date on which the claim is first entered in the statistical records of the insurer or claims administrator.

Report Date

The date on which the claim is first reported or recorded (in practice it is often taken to be the recorded date).

Report Period

The period in which a claim is reported, regardless of the time period in which the event occurred.

Reported Incurred Loss Amount

The total of paid claim amounts and case reserves.

Review Date

The date through which information is considered in the unpaid claim estimate analysis.

Risk Margin

An amount that may be added to the unpaid claim estimate to recognize the uncertainty in the estimate.

Salvage

Recoveries due to the sale of damaged or recovered property.

Subrogation

Recoveries from a third party responsible for the event for which a claim has already been paid.

Unallocated Loss Adjustment Expense (ULAE)*

Loss adjustment expenses that cannot be attributed to an individual claim. Typically includes salaries, utilities, and rent apportioned to the claim adjustment expense function but not readily assignable to specific claims.

Undiscounted Unpaid Loss Estimate

The unpaid loss estimate presented on a basis that does not reflect the time value of money.

Unpaid Loss Estimate

The estimate of the obligation for future payments resulting from losses due to past events.

Valuation Date

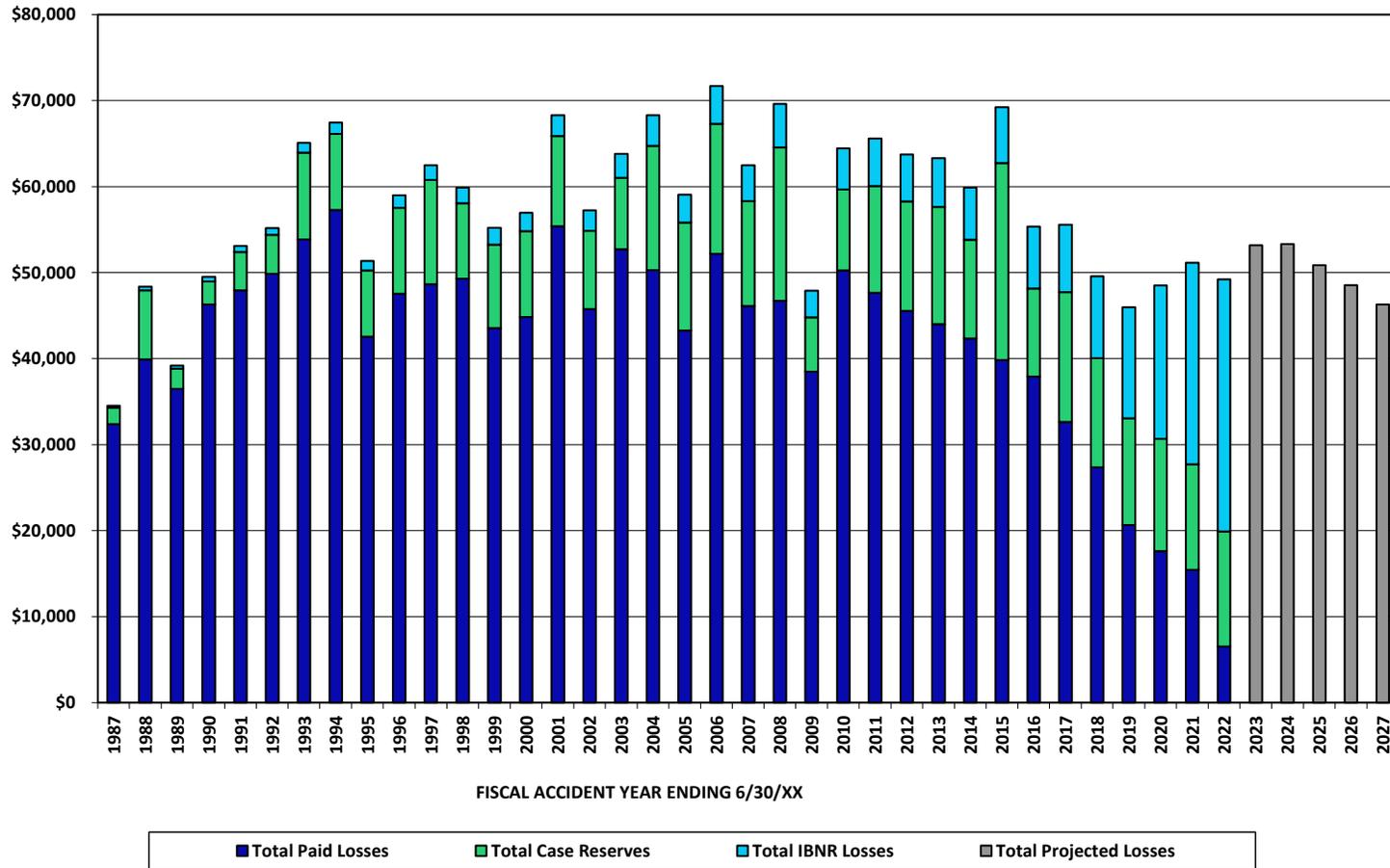
The date through which transactions are included in the data used in the unpaid claim estimate analysis.

* Some terminology may not be appropriate for insurance companies.

Charts

**COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022**

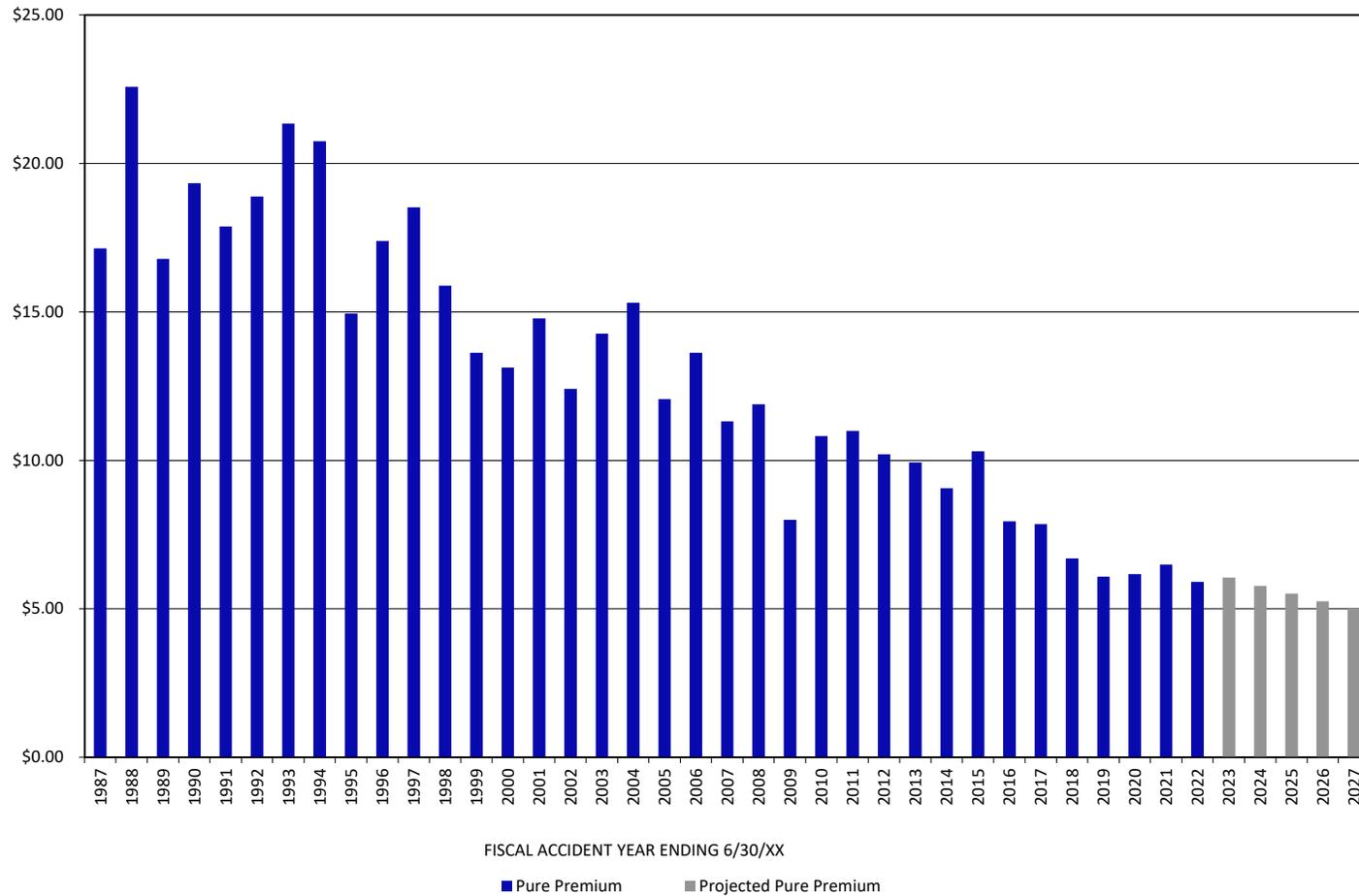
**ESTIMATED ULTIMATE LOSS AS OF JUNE 30, 2022
SEPARATED INTO PAID, CASE, IBNR, AND PROJECTED LOSSES**



DOLLARS IN THOUSANDS

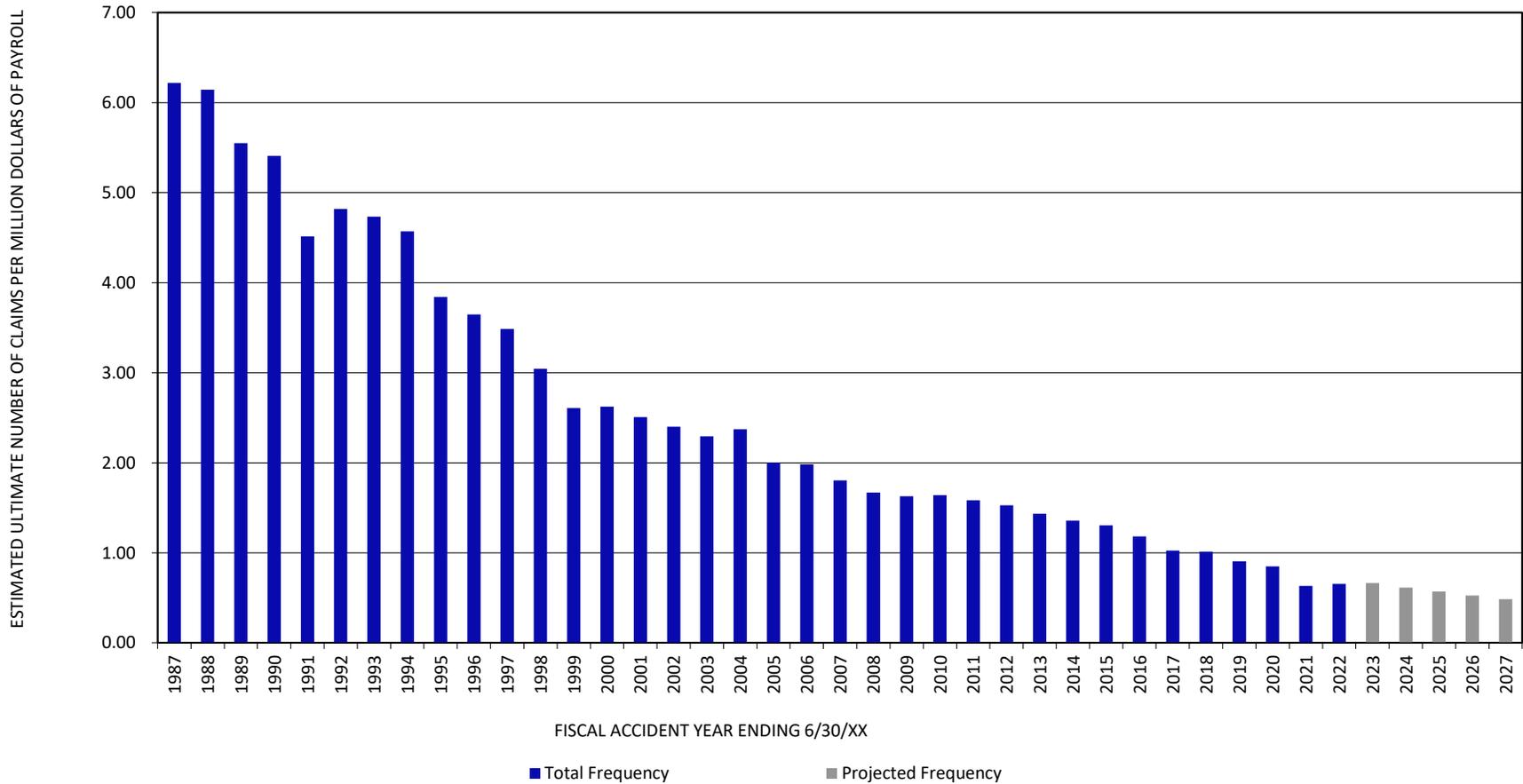
**COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022**

**ESTIMATED PURE PREMIUMS BY FISCAL ACCIDENT YEAR
PURE PREMIUM = ESTIMATED ULTIMATE LOSS PER THOUSAND DOLLARS OF PAYROLL**



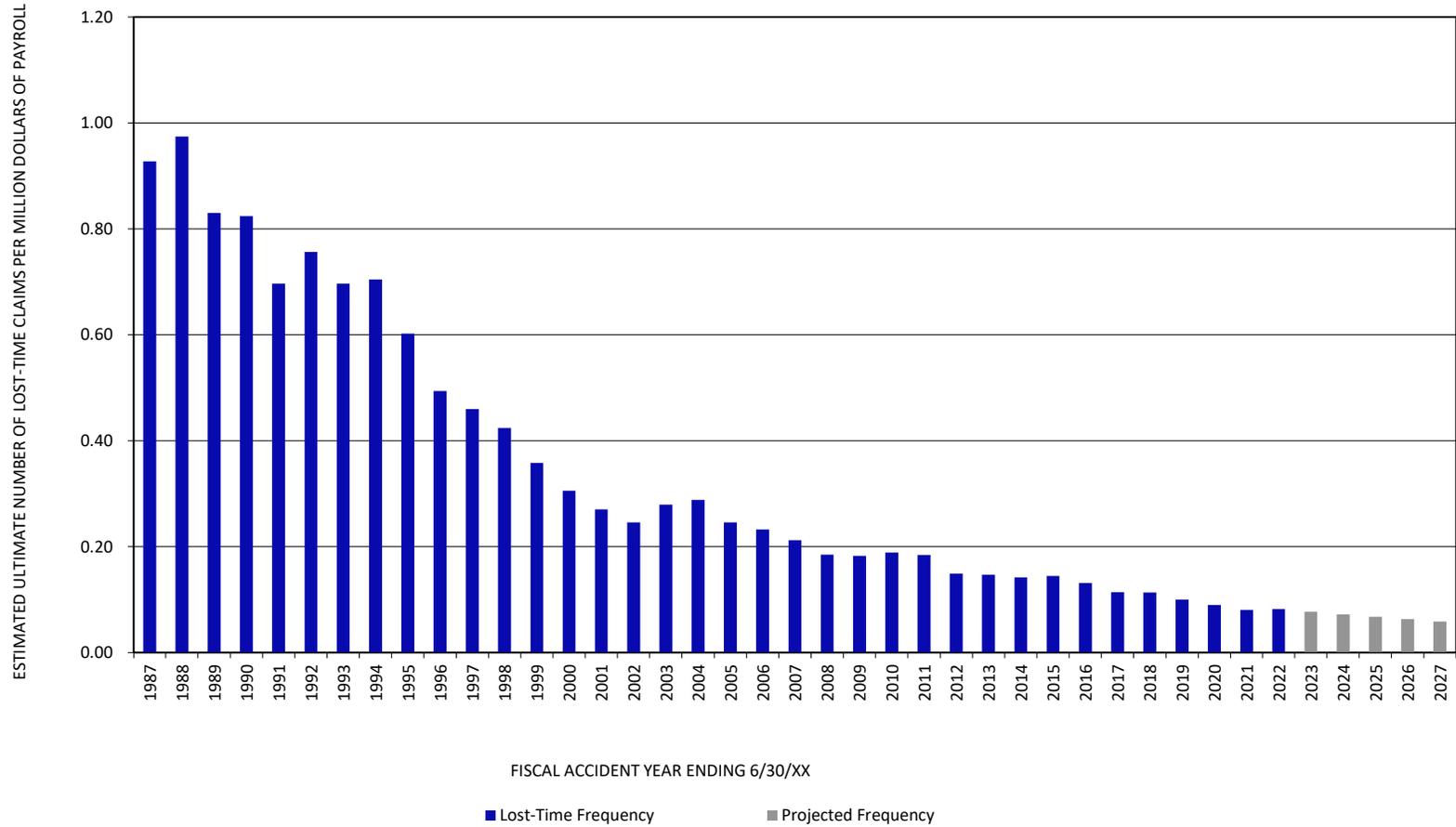
**COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022**

**ESTIMATED CLAIM FREQUENCY BY FISCAL ACCIDENT YEAR
CLAIM FREQUENCY = ESTIMATED ULTIMATE NUMBER OF CLAIMS PER MILLION DOLLARS OF PAYROLL**



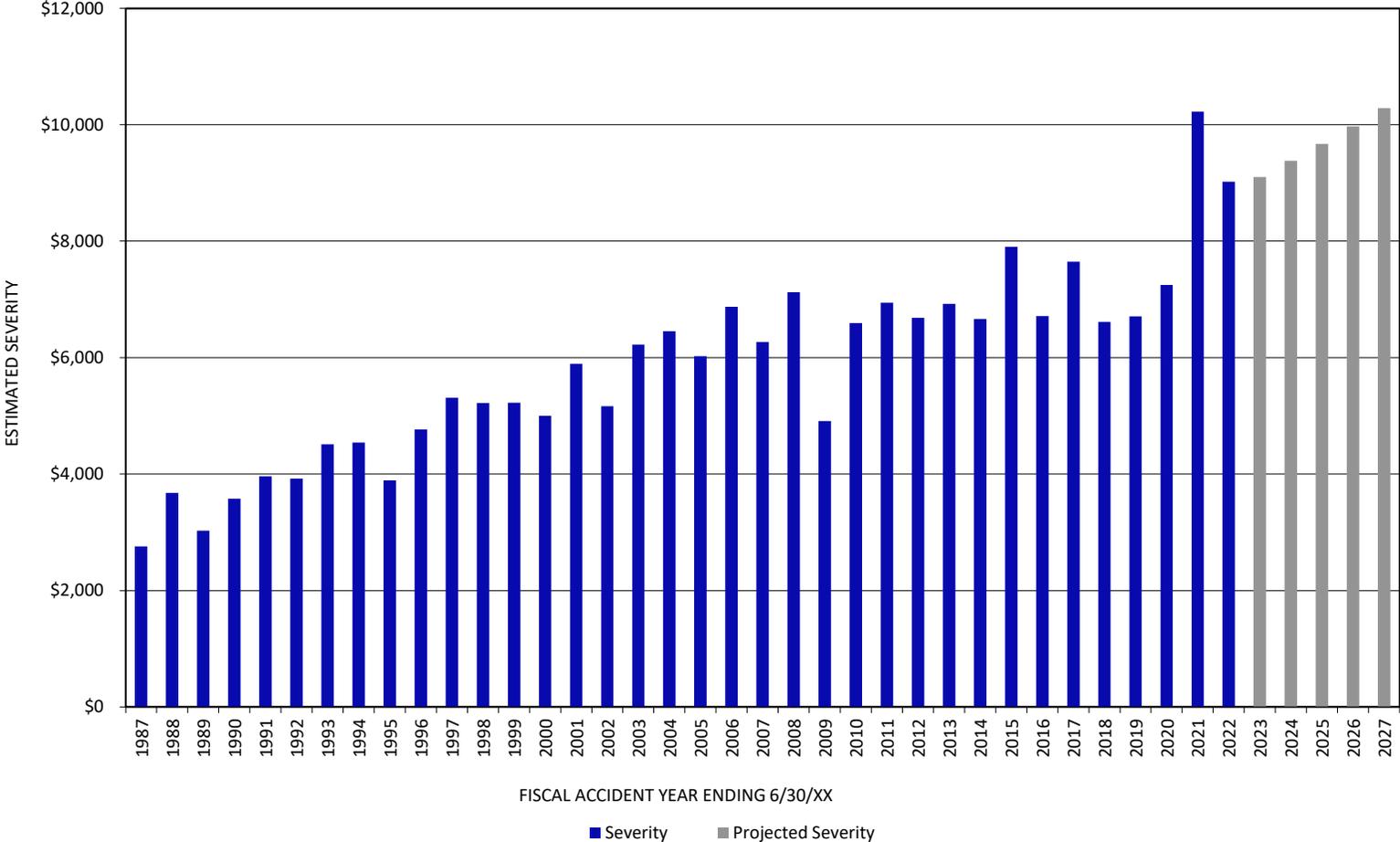
**COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022**

**ESTIMATED LOST TIME CLAIM FREQUENCY BY FISCAL ACCIDENT YEAR
CLAIM FREQUENCY = ESTIMATED ULTIMATE NUMBER OF CLAIMS PER MILLION DOLLARS OF PAYROLL**



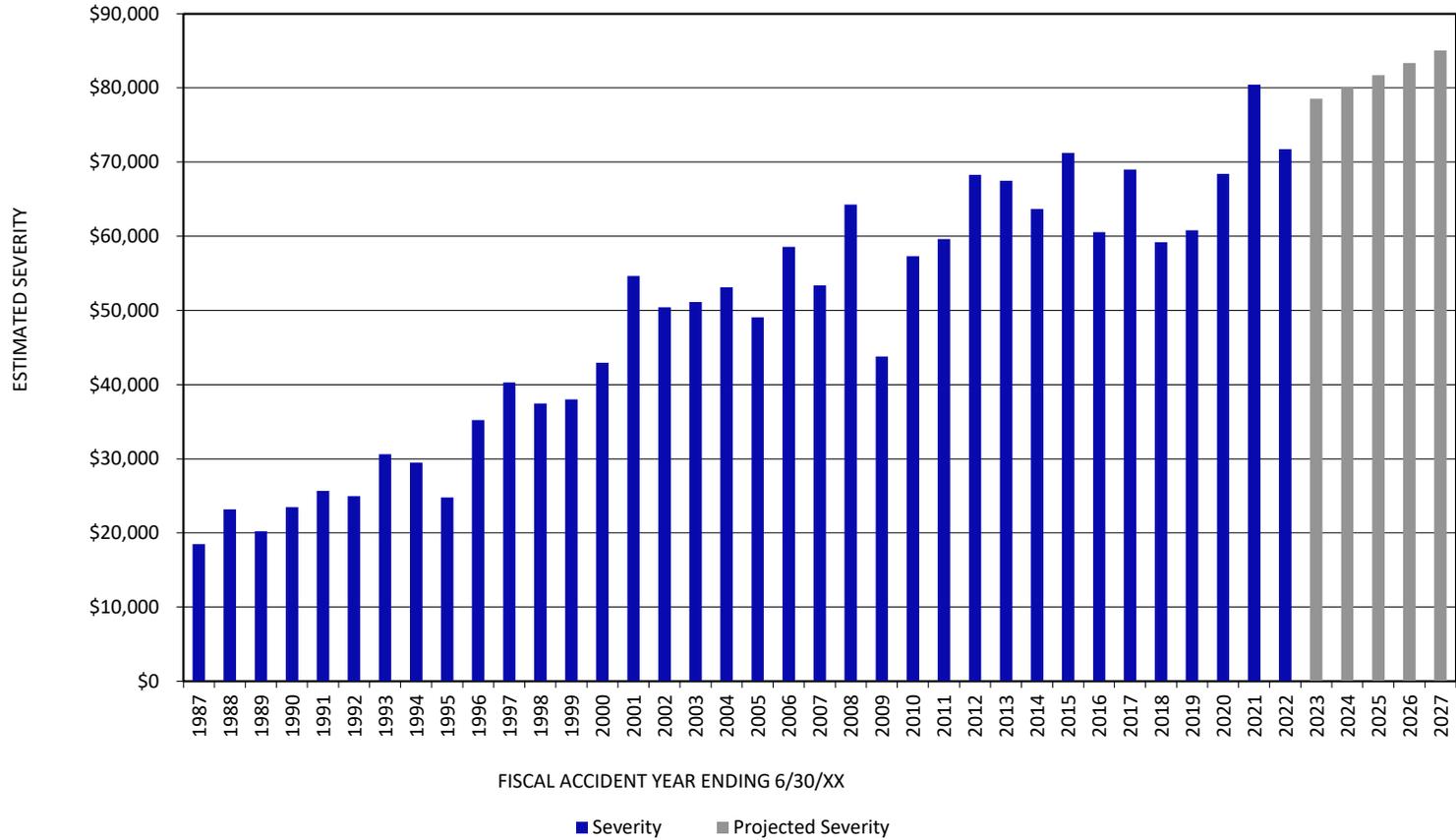
**COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022**

**ESTIMATED CLAIM SEVERITY BY FISCAL ACCIDENT YEAR
CLAIM SEVERITY = ESTIMATED ULTIMATE LOSS PER CLAIM**



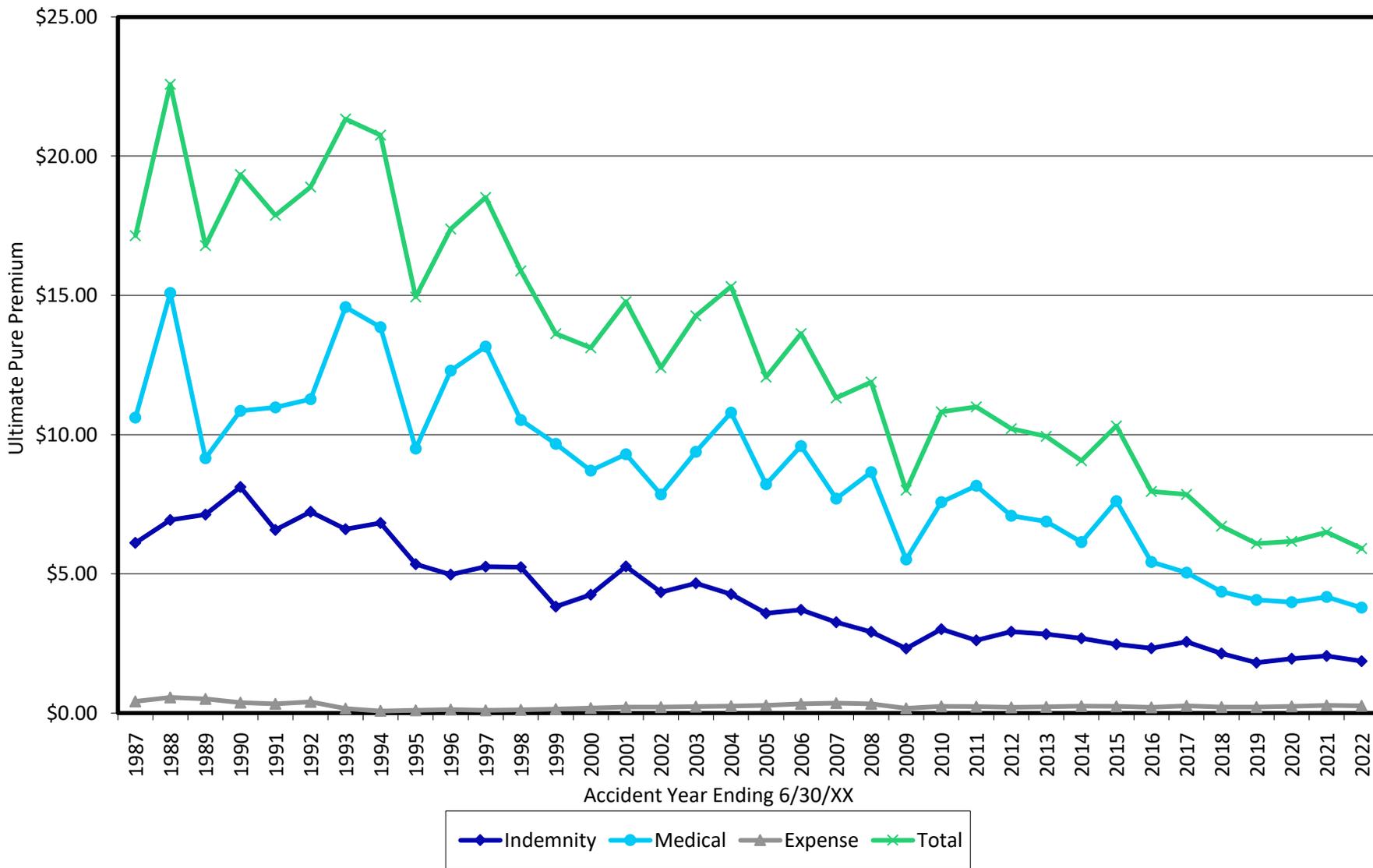
**COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022**

**ESTIMATED CLAIM SEVERITY PER LOST TIME CLAIM BY FISCAL ACCIDENT YEAR
CLAIM SEVERITY = ESTIMATED ULTIMATE LOSS PER LOST TIME CLAIM**



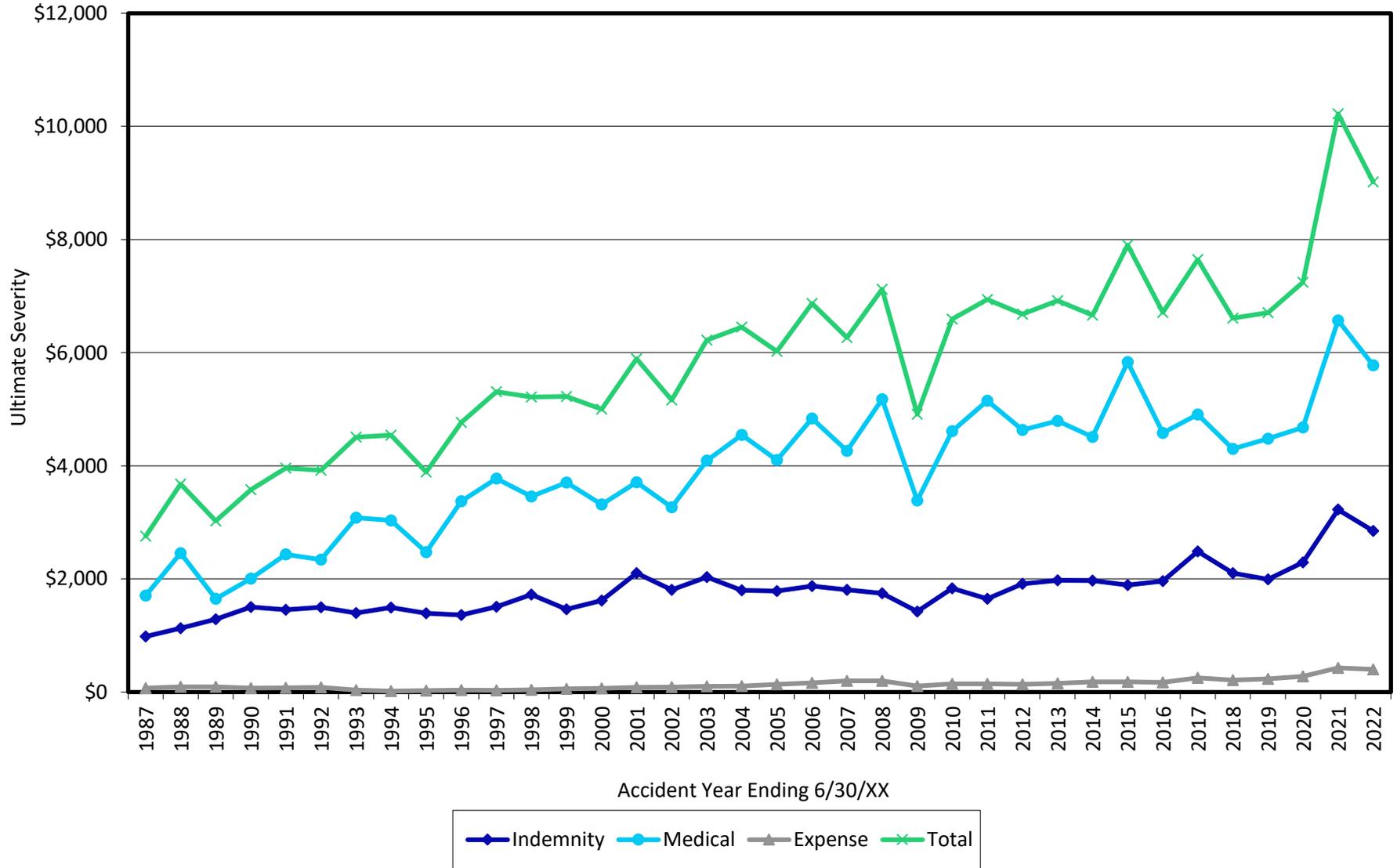
COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND - WORKERS' COMPENSATION

SUMMARY OF PURE PREMIUM
(ULTIMATE LOSS PER THOUSAND DOLLARS OF PAYROLL)



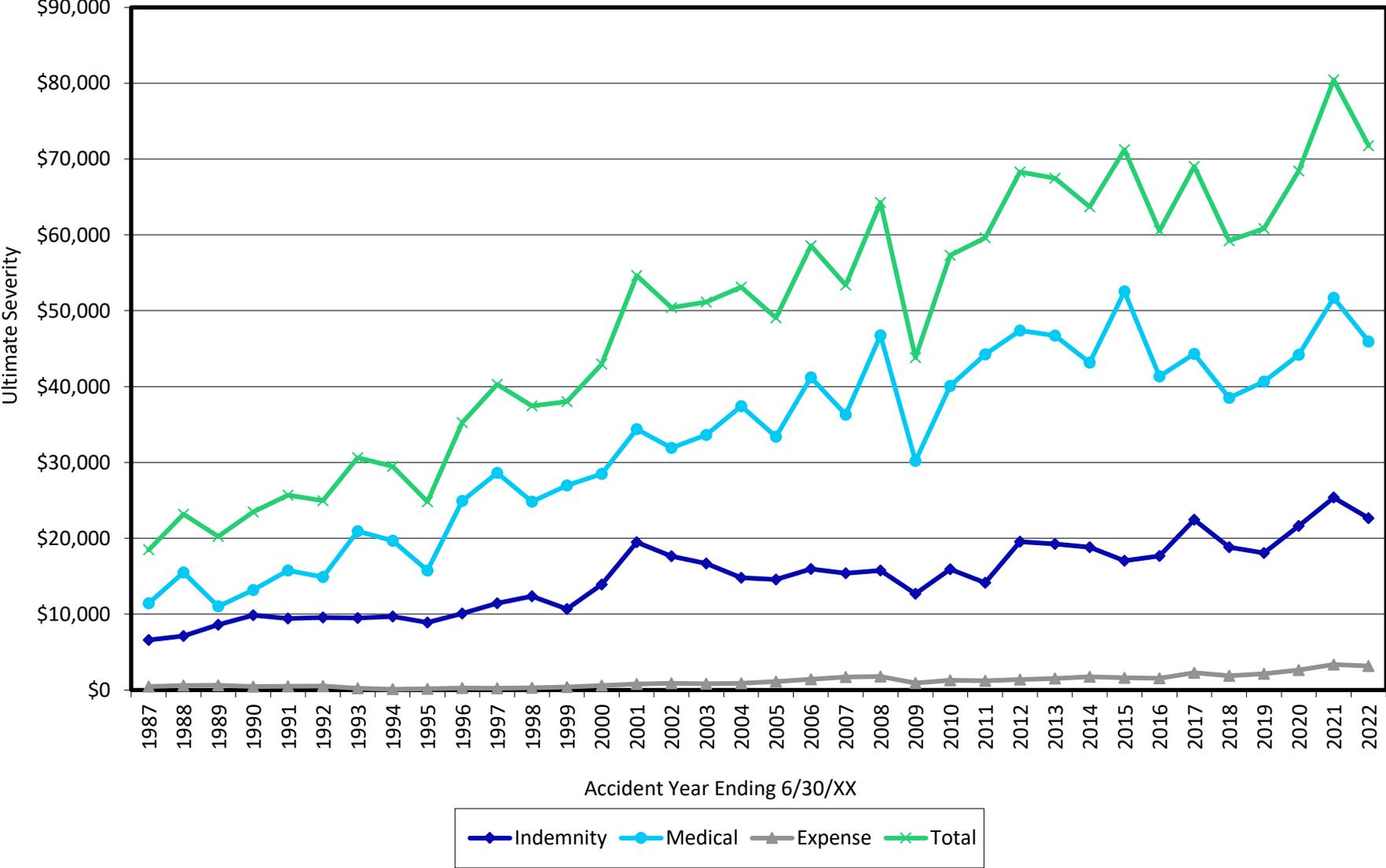
COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND - WORKERS' COMPENSATION

SUMMARY OF SEVERITY
 (ULTIMATE LOSS PER CLAIM)

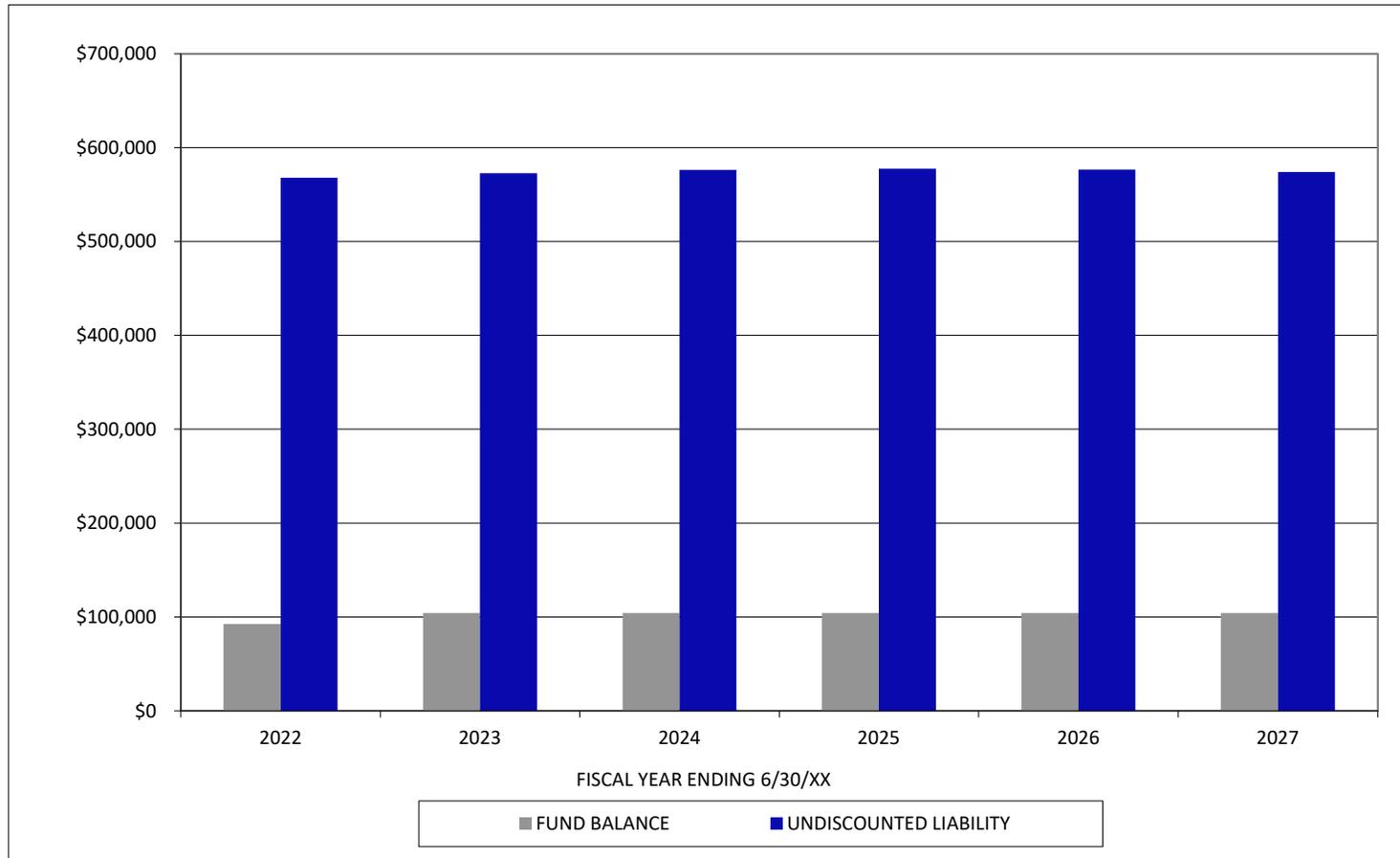


COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND - WORKERS' COMPENSATION

SUMMARY OF SEVERITY
(ULTIMATE LOSS PER LOST TIME CLAIM)



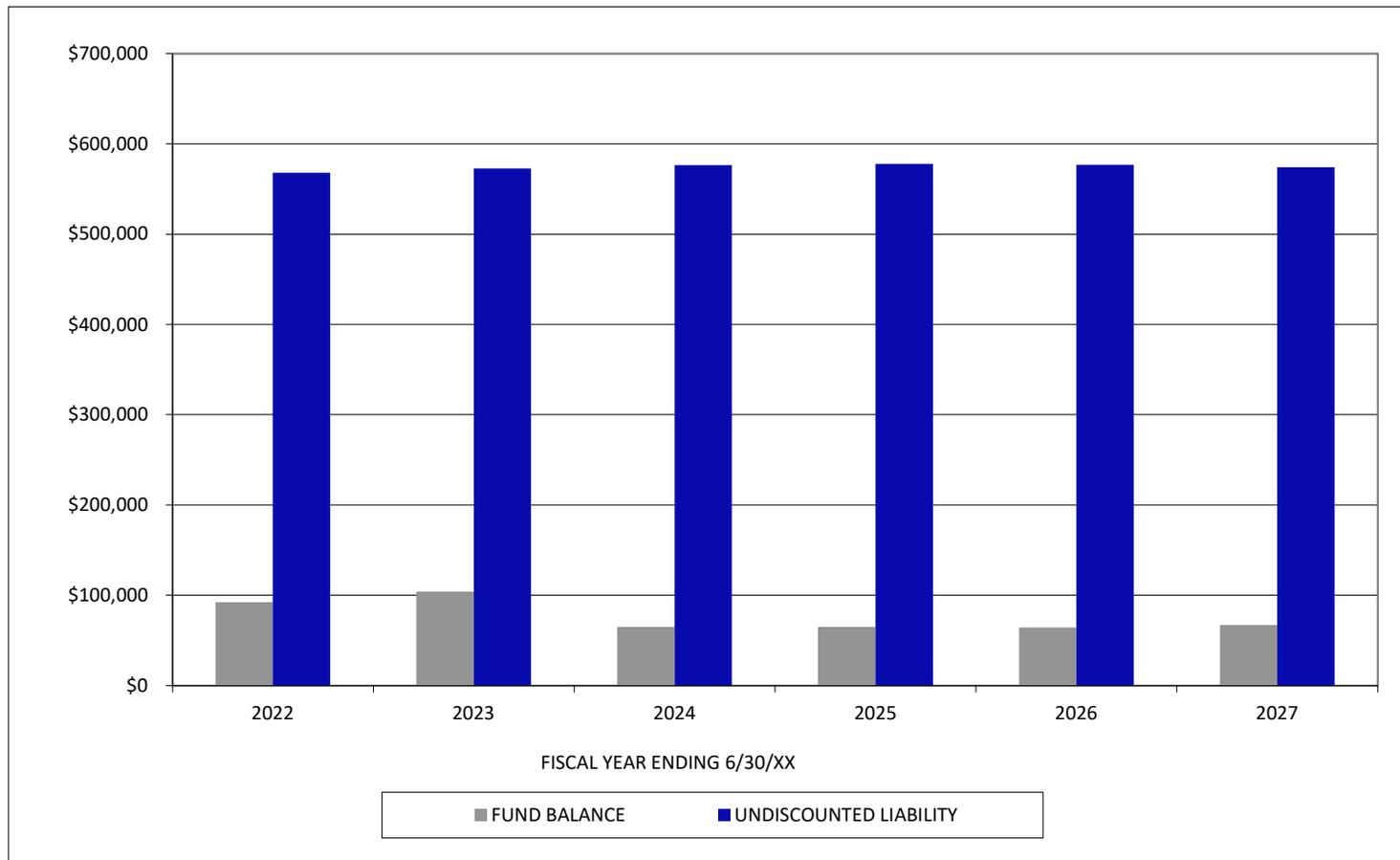
**COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
OUTSTANDING LIABILITIES AND FUND BALANCES WITH
CASHFLOW PREMIUM**



ALL DOLLARS ARE IN THOUSANDS.

**COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022**

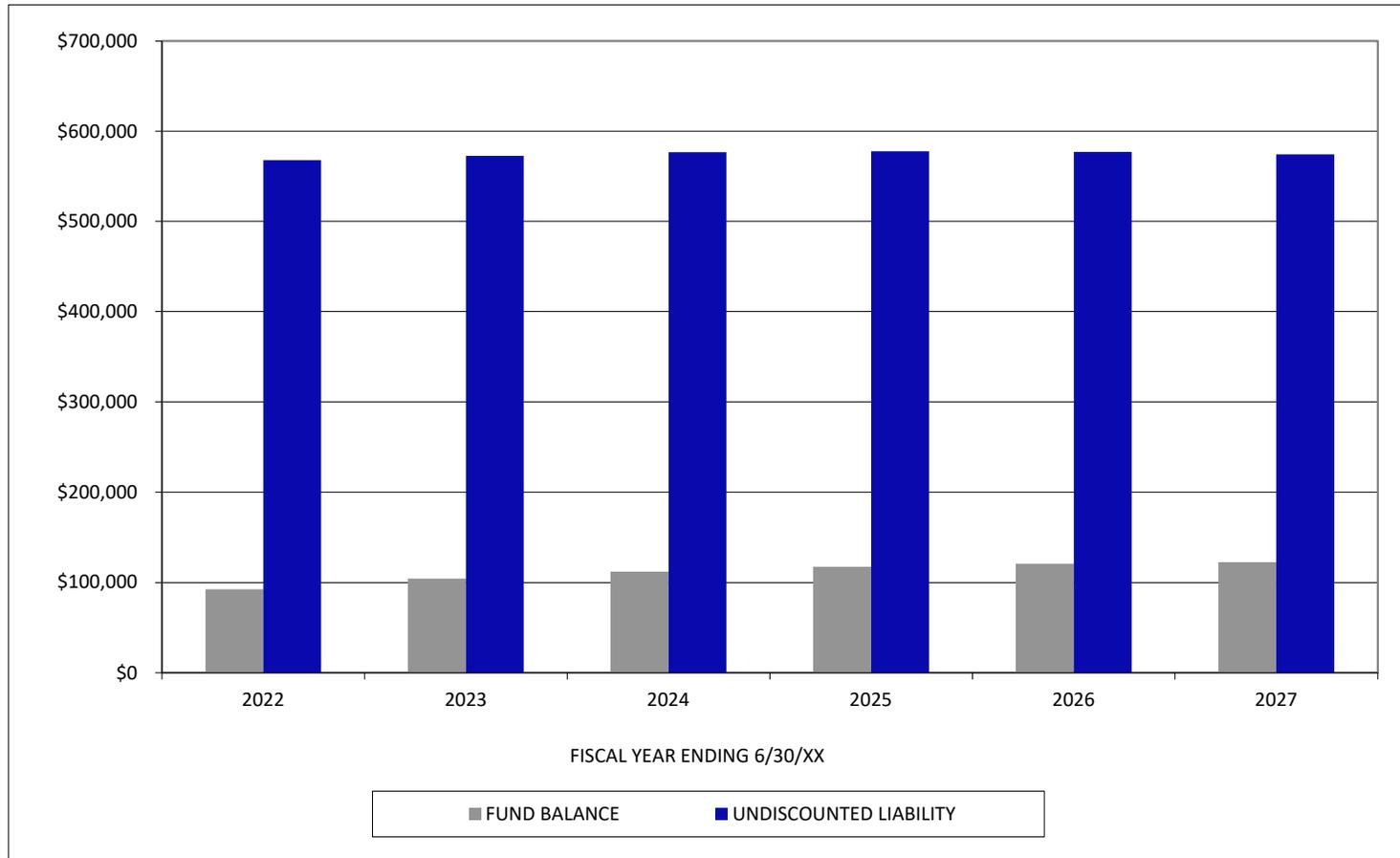
**OUTSTANDING LIABILITIES AND FUND BALANCES WITH
CASHFLOW PREMIUM PLUS ONE YEAR'S CASH FLOW**



ALL DOLLARS ARE IN THOUSANDS.

**COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022**

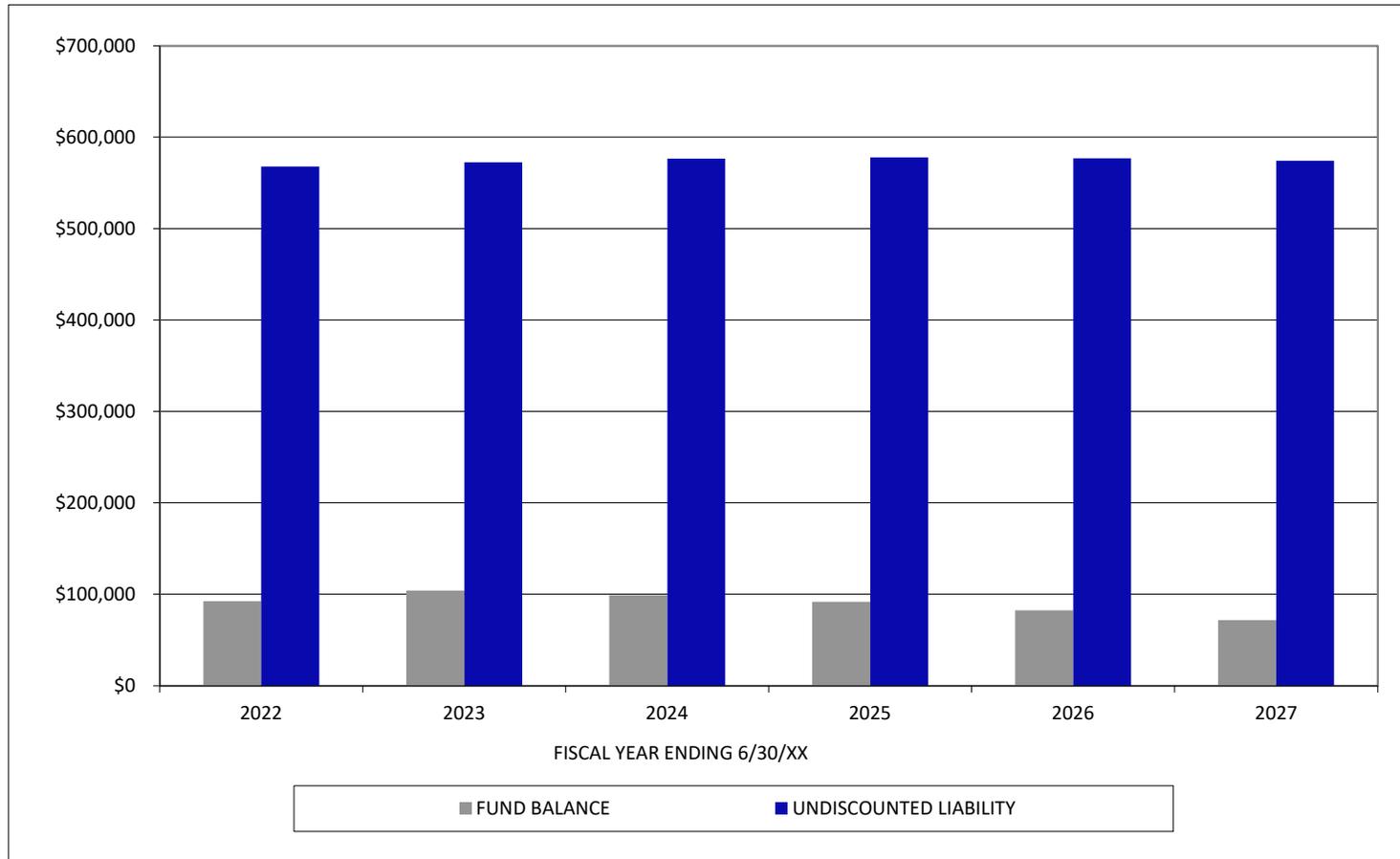
**OUTSTANDING LIABILITIES AND FUND BALANCES WITH
PREMIUM BASED ON UNDISCOUNTED LOSSES AND EXPENSES**



ALL DOLLARS ARE IN THOUSANDS.

**COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022**

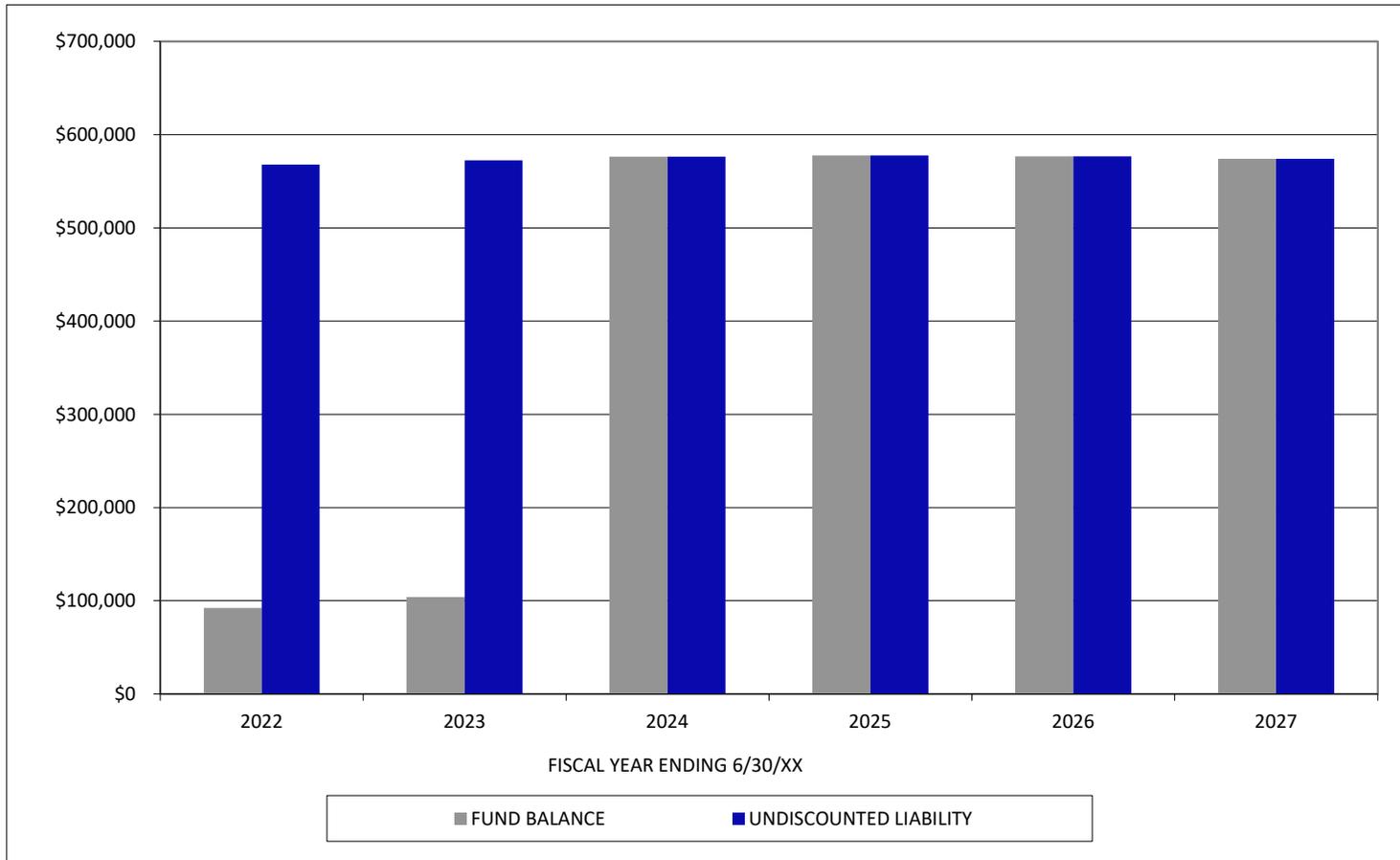
**OUTSTANDING LIABILITIES AND FUND BALANCES WITH
PREMIUM BASED ON DISCOUNTED LOSSES AND EXPENSES**



ALL DOLLARS ARE IN THOUSANDS.

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DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022**

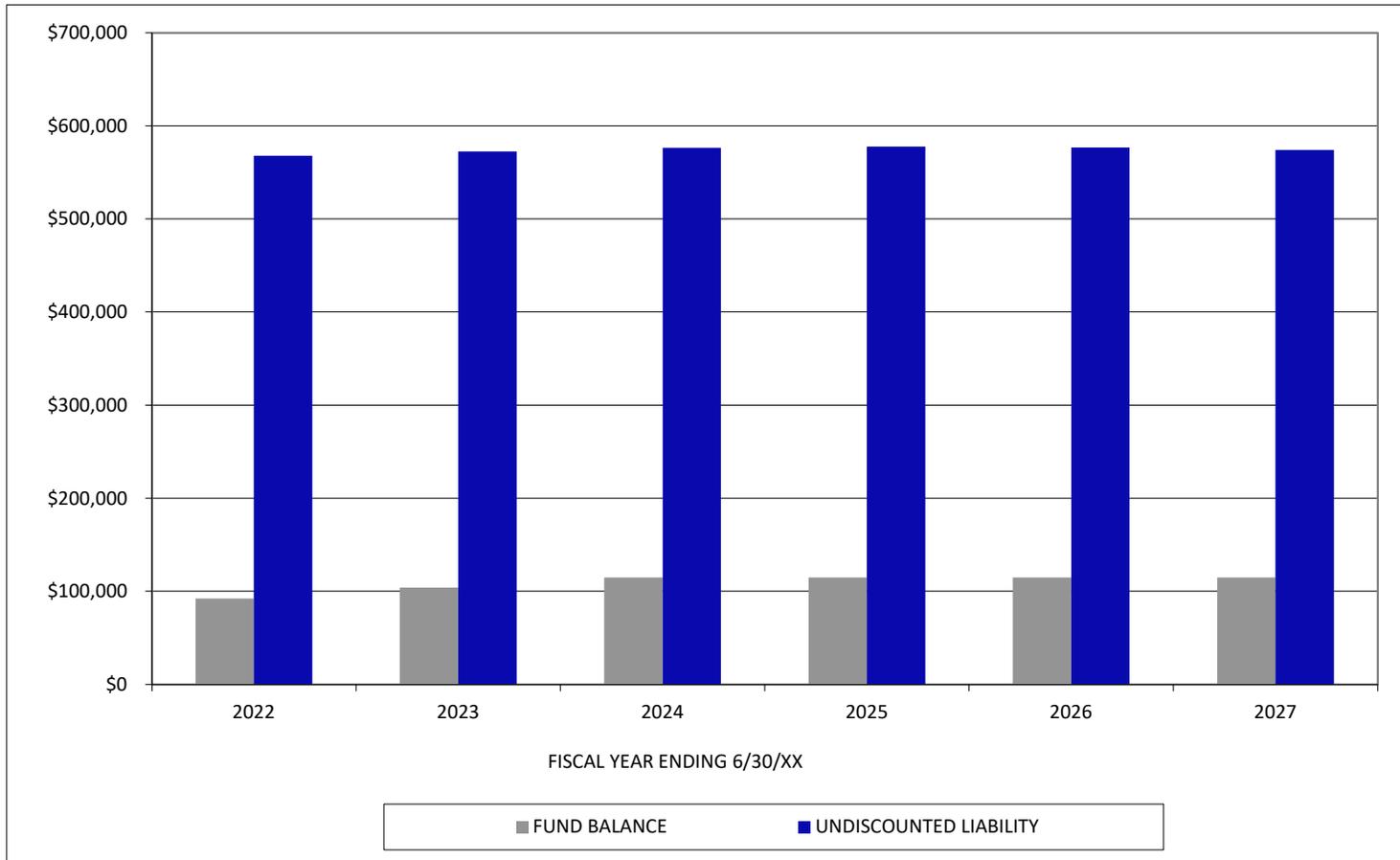
**OUTSTANDING LIABILITIES AND FUND BALANCES WITH
OLIVER WYMAN RECOMMENDED FUNDING**



ALL DOLLARS ARE IN THOUSANDS.

**COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022**

**OUTSTANDING LIABILITIES AND FUND BALANCES WITH
2023 PREMIUM EQUAL TO 2022 PREMIUM**



ALL DOLLARS ARE IN THOUSANDS.

Accounting Projections

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022

ACCOUNTING PROJECTIONS WITH THE CASHFLOW PREMIUM
WORKERS' COMPENSATION (\$000s)

	Fiscal Year Ending 6/30					
	2022	2023	2024	2025	2026	2027
1. FUND BALANCE (BEGINNING OF YEAR)	75,601	92,294	104,054	104,054	104,054	104,054
2. PREMIUM	78,964	74,299	63,836	64,008	63,839	63,279
2a. COMMONWEALTH AGENCIES	78,883	74,183	63,717	63,885	63,714	63,151
2b. VCUHA EFFECTIVE 2002	82	116	119	122	125	128
2c. WORKING CAPITAL ADVANCE	0	0	0	0	0	0
3. NET CASH TRANSFERRED OUT	0	0	0	0	0	0
TRANSFER OF RESERVE	0	0	0	0	0	0
TRANSFER FROM W/C	0	0	0	0	0	0
4. LOSS PAYMENTS	45,889	48,533	49,444	49,618	49,449	48,878
4a. PAYMENTS ON CURRENT ACCIDENT YEAR	6,549	7,888	7,900	7,525	7,166	6,824
4b. PAYMENTS ON ALL PRIOR ACCIDENT YEARS	39,341	40,645	41,544	42,093	42,282	42,053
5. PROGRAM EXPENSES	15,058	16,081	16,483	16,483	16,482	16,485
6. ADMINISTRATIVE EXPENSES	1,580	1,635	1,637	1,637	1,637	1,637
7. INVESTMENT INCOME	255	3,710	3,728	3,731	3,728	3,721
8. FUND BALANCE (END OF YEAR)	92,294	104,054	104,054	104,054	104,054	104,054
REQUIRED RESERVE						
9. UNDISCOUNTED	567,952	572,580	576,459	577,708	576,782	574,191
9a. COMMONWEALTH AGENCIES	564,622	569,356	573,343	574,704	573,891	571,417
9b. VCUHA	3,330	3,224	3,116	3,005	2,891	2,774
10. DISCOUNTED	399,178	402,975	406,093	407,197	406,664	404,942
10a. COMMONWEALTH AGENCIES	396,892	400,735	403,900	405,056	404,579	402,917
10b. VCUHA	2,286	2,240	2,193	2,141	2,085	2,025
FUND POSITION						
11. UNDISCOUNTED	(475,658)	(468,526)	(472,405)	(473,654)	(472,728)	(470,137)
12. DISCOUNTED	(306,884)	(298,921)	(302,039)	(303,143)	(302,610)	(300,887)

NOTES:

(1) PRIOR YEAR END FUND BALANCE EXCEPT THE BALANCE FOR 2022 PROVIDED BY DHRM.

(2) 2022-2023 FROM DHRM, 2024-2027 ARE CASHFLOW.

VCUHA PREMIUMS FOR 2023-2027 EQUAL ESTIMATED LOSS PAYMENTS PLUS 10% ADMINISTRATIVE FEES FROM OUR ANALYSIS AS OF JUNE 30, 2022.

THE 2022 PREMIUMS AND LOSS PAYMENTS INCLUDE AMOUNTS RELATED TO REPAYMENT OF THE WORKING CAPITAL ADVANCE. 2023 AND SUBSEQUENT DO NOT.

(3) FROM DHRM - A NEGATIVE NUMBER REPRESENTS CASH TRANSFERRED IN.

(4) 2022 BASED ON DATA PROVIDED BY DHRM; 2023 THROUGH 2027 FROM EXH. WC TOTAL-5.

(5)-(6) FROM DHRM

(7) 2.78% x (ROW (1)+ROW(2)-ROW(3)-(ROW(4)x.5)-(ROW (5)x.5)-(ROW (6)x.5)); EXCEPT 2022 PROVIDED BY DHRM.

(8) ROW (1)+ROW (2)-ROW (3)-ROW (4)-ROW (5)-ROW (6)+ROW (7).

(9)-(10) REQUIRED RESERVES ARE EXPECTED VALUE PROJECTIONS FROM EXH. WC TOTAL-3 AND WC TOTAL-4; VCUHA FROM SEPARATE ANALYSIS AS OF JUNE 30, 2022.

(11) ROW (8)-ROW (9)

(12) ROW (8)-ROW (10)

DOLLARS ARE IN THOUSANDS.

* ESTIMATES EXCLUDE VCUHA ACCIDENTS OCCURRING ON OR AFTER 7/1/2001; EFFECTIVE 7/1/2001, VCUHA IS NO LONGER A STATE AGENCY.

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022

ACCOUNTING PROJECTIONS WITH CASHFLOW PREMIUM PLUS ONE YEAR'S CASHFLOW
WORKERS' COMPENSATION (\$000s)

	Fiscal Year Ending 6/30					
	2022	2023	2024	2025	2026	2027
1. FUND BALANCE (BEGINNING OF YEAR)	75,601	92,294	104,054	65,066	64,915	64,283
2. PREMIUM	78,964	74,299	25,903	64,915	64,284	66,930
2a. COMMONWEALTH AGENCIES	78,883	74,183	25,783	64,792	64,159	66,802
2b. VCUHA EFFECTIVE 2002	82	116	119	122	125	128
3. NET CASH TRANSFERRED OUT	0	0	0	0	0	0
TRANSFER OF RESERVE	0	0	0	0	0	0
TRANSFER FROM W/C	0	0	0	0	0	0
4. LOSS PAYMENTS	45,889	48,533	49,444	49,618	49,449	48,878
4a. PAYMENTS ON CURRENT ACCIDENT YEAR	6,549	7,888	7,900	7,525	7,166	6,824
4b. PAYMENTS ON ALL PRIOR ACCIDENT YEARS	39,341	40,645	41,544	42,093	42,282	42,053
5. PROGRAM EXPENSES	15,058	16,081	16,483	16,483	16,482	16,485
6. ADMINISTRATIVE EXPENSES	1,580	1,635	1,637	1,637	1,637	1,637
7. INVESTMENT INCOME	255	3,710	2,674	2,672	2,653	2,716
8. FUND BALANCE (END OF YEAR)	92,294	104,054	65,066	64,915	64,283	66,930
REQUIRED RESERVE						
9. UNDISCOUNTED	567,952	572,580	576,459	577,708	576,782	574,191
9a. COMMONWEALTH AGENCIES	564,622	569,356	573,343	574,704	573,891	571,417
9b. VCUHA	3,330	3,224	3,116	3,005	2,891	2,774
10. DISCOUNTED	399,178	402,975	406,093	407,197	406,664	404,942
10a. COMMONWEALTH AGENCIES	396,892	400,735	403,900	405,056	404,579	402,917
10b. VCUHA	2,286	2,240	2,193	2,141	2,085	2,025
FUND POSITION						
11. UNDISCOUNTED	(475,658)	(468,526)	(511,392)	(512,794)	(512,499)	(507,261)
12. DISCOUNTED	(306,884)	(298,921)	(341,027)	(342,282)	(342,381)	(338,012)

NOTES:

- (1) PRIOR YEAR END FUND BALANCE EXCEPT THE BALANCE FOR 2022 PROVIDED BY DHRM.
(2) 2022-2023 FROM DHRM, 2024-2027 PRODUCE AN ENDING FUND BALANCE EQUAL TO THE FOLLOWING YEAR'S ESTIMATED CASH FLOW.
VCUHA PREMIUMS FOR 2023-2027 EQUAL ESTIMATED LOSS PAYMENTS PLUS 10% ADMINISTRATIVE FEES FROM OUR ANALYSIS AS OF JUNE 30, 2022.
THE 2022 PREMIUMS AND LOSS PAYMENTS INCLUDE AMOUNTS RELATED TO REPAYMENT OF THE WORKING CAPITAL ADVANCE. 2023 AND SUBSEQUENT DO NOT.
(3) FROM DHRM - A NEGATIVE NUMBER REPRESENTS CASH TRANSFERRED IN.
(4) 2022 BASED ON DATA PROVIDED BY DHRM; 2023 THROUGH 2027 FROM EXH. WC TOTAL-5.
(5)-(6) FROM DHRM
(7) $2.78\% \times (\text{ROW (1)} + \text{ROW (2)} - \text{ROW (3)} - (\text{ROW (4)} \times .5) - (\text{ROW (5)} \times .5) - (\text{ROW (6)} \times .5))$; EXCEPT 2022 PROVIDED BY DHRM.
(8) $\text{ROW (1)} + \text{ROW (2)} - \text{ROW (3)} - \text{ROW (4)} - \text{ROW (5)} - \text{ROW (6)} + \text{ROW (7)}$.
(9)-(10) REQUIRED RESERVES ARE EXPECTED VALUE PROJECTIONS FROM EXH. WC TOTAL-3 AND WC TOTAL-4; VCUHA FROM SEPARATE ANALYSIS AS OF JUNE 30, 2022.
(11) ROW (8)-ROW (9)
(12) ROW (8)-ROW (10)
DOLLARS ARE IN THOUSANDS.
* ESTIMATES EXCLUDE VCUHA ACCIDENTS OCCURRING ON OR AFTER 7/1/2001; EFFECTIVE 7/1/2001, VCUHA IS NO LONGER A STATE AGENCY.

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022

ACCOUNTING PROJECTIONS WITH THE UNDISCOUNTED ACTUARIAL PREMIUM
WORKERS' COMPENSATION (\$000s)

	Fiscal Year Ending 6/30					
	2022	2023	2024	2025	2026	2027
1. FUND BALANCE (BEGINNING OF YEAR)	75,601	92,294	104,054	111,984	117,438	120,807
2. PREMIUM	78,964	74,299	71,552	69,099	66,755	64,525
2a. COMMONWEALTH AGENCIES	78,883	74,183	71,432	68,977	66,630	64,397
2b. VCUHA EFFECTIVE 2002	82	116	119	122	125	128
3. NET CASH TRANSFERRED OUT	0	0	0	0	0	0
TRANSFER OF RESERVE	0	0	0	0	0	0
TRANSFER FROM W/C	0	0	0	0	0	0
4. LOSS PAYMENTS	45,889	48,533	49,444	49,618	49,449	48,878
4a. PAYMENTS ON CURRENT ACCIDENT YEAR	6,549	7,888	7,900	7,525	7,166	6,824
4b. PAYMENTS ON ALL PRIOR ACCIDENT YEARS	39,341	40,645	41,544	42,093	42,282	42,053
5. PROGRAM EXPENSES	15,058	16,081	16,483	16,483	16,482	16,485
6. ADMINISTRATIVE EXPENSES	1,580	1,635	1,637	1,637	1,637	1,637
7. INVESTMENT INCOME	255	3,710	3,943	4,093	4,181	4,221
8. FUND BALANCE (END OF YEAR)	92,294	104,054	111,984	117,438	120,807	122,553
REQUIRED RESERVE						
9. UNDISCOUNTED	567,952	572,580	576,459	577,708	576,782	574,191
9a. COMMONWEALTH AGENCIES	564,622	569,356	573,343	574,704	573,891	571,417
9b. VCUHA	3,330	3,224	3,116	3,005	2,891	2,774
10. DISCOUNTED	399,178	402,975	406,093	407,197	406,664	404,942
10a. COMMONWEALTH AGENCIES	396,892	400,735	403,900	405,056	404,579	402,917
10b. VCUHA	2,286	2,240	2,193	2,141	2,085	2,025
FUND POSITION						
11. UNDISCOUNTED	(475,658)	(468,526)	(464,474)	(460,271)	(455,975)	(451,638)
12. DISCOUNTED	(306,884)	(298,921)	(294,109)	(289,759)	(285,857)	(282,389)

NOTES:

- (1) PRIOR YEAR END FUND BALANCE EXCEPT THE BALANCE FOR 2022 PROVIDED BY DHRM.
(2) 2022-2023 FROM DHRM, 2024 AND FORWARD BASED ON PROJECTIONS OF ULTIMATE LOSSES FROM WC TOTAL-2 PLUS ESTIMATED VCUHA LOSS PAYMENTS AND PROGRAM AND ADMINISTRATIVE EXPENSES IN ROWS 5 AND 6.
VCUHA PREMIUMS FOR 2023-2027 EQUAL ESTIMATED LOSS PAYMENTS PLUS 10% ADMINISTRATIVE FEES FROM OUR ANALYSIS AS OF JUNE 30, 2022.
THE 2022 PREMIUMS AND LOSS PAYMENTS INCLUDE AMOUNTS RELATED TO REPAYMENT OF THE WORKING CAPITAL ADVANCE. 2023 AND SUBSEQUENT DO NOT.
(3) FROM DHRM - A NEGATIVE NUMBER REPRESENTS CASH TRANSFERRED IN.
(4) 2022 BASED ON DATA PROVIDED BY DHRM; 2023 THROUGH 2027 FROM EXH. WC TOTAL-5.
(5)-(6) FROM DHRM
(7) $2.78\% \times (\text{ROW } (1)+\text{ROW } (2)-\text{ROW } (3)-\text{ROW } (4) \times .5)-(\text{ROW } (5) \times .5)-(\text{ROW } (6) \times .5)$; EXCEPT 2022 PROVIDED BY DHRM.
(8) $\text{ROW } (1)+\text{ROW } (2)-\text{ROW } (3)-\text{ROW } (4)-\text{ROW } (5)-\text{ROW } (6)+\text{ROW } (7)$.
(9)-(10) REQUIRED RESERVES ARE EXPECTED VALUE PROJECTIONS FROM EXH. WC TOTAL-3 AND WC TOTAL-4; VCUHA FROM SEPARATE ANALYSIS AS OF JUNE 30, 2022.
(11) $\text{ROW } (8)-\text{ROW } (9)$
(12) $\text{ROW } (8)-\text{ROW } (10)$
DOLLARS ARE IN THOUSANDS.
* ESTIMATES EXCLUDE VCUHA ACCIDENTS OCCURRING ON OR AFTER 7/1/2001; EFFECTIVE 7/1/2001, VCUHA IS NO LONGER A STATE AGENCY.

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022

ACCOUNTING PROJECTIONS WITH THE DISCOUNTED ACTUARIAL PREMIUM
WORKERS' COMPENSATION (\$000s)

	Fiscal Year Ending 6/30					
	2022	2023	2024	2025	2026	2027
1. FUND BALANCE (BEGINNING OF YEAR)	75,601	92,294	104,054	98,968	91,641	82,447
2. PREMIUM	78,964	74,299	58,887	57,017	55,229	53,529
2a. COMMONWEALTH AGENCIES	78,883	74,183	58,768	56,895	55,104	53,401
2b. VCUHA EFFECTIVE 2002	82	116	119	122	125	128
2c. WORKING CAPITAL ADVANCE	0	0	0	0	0	0
3. NET CASH TRANSFERRED OUT	0	0	0	0	0	0
TRANSFER OF RESERVE	0	0	0	0	0	0
TRANSFER FROM W/C	0	0	0	0	0	0
4. LOSS PAYMENTS	45,889	48,533	49,444	49,618	49,449	48,878
4a. PAYMENTS ON CURRENT ACCIDENT YEAR	6,549	7,888	7,900	7,525	7,166	6,824
4b. PAYMENTS ON ALL PRIOR ACCIDENT YEARS	39,341	40,645	41,544	42,093	42,282	42,053
5. PROGRAM EXPENSES	15,058	16,081	16,483	16,483	16,482	16,485
6. ADMINISTRATIVE EXPENSES	1,580	1,635	1,637	1,637	1,637	1,637
7. INVESTMENT INCOME	255	3,710	3,591	3,395	3,144	2,849
8. FUND BALANCE (END OF YEAR)	92,294	104,054	98,968	91,641	82,447	71,825
REQUIRED RESERVE						
9. UNDISCOUNTED	567,952	572,580	576,459	577,708	576,782	574,191
9a. COMMONWEALTH AGENCIES	564,622	569,356	573,343	574,704	573,891	571,417
9b. VCUHA	3,330	3,224	3,116	3,005	2,891	2,774
10. DISCOUNTED	399,178	402,975	406,093	407,197	406,664	404,942
10a. COMMONWEALTH AGENCIES	396,892	400,735	403,900	405,056	404,579	402,917
10b. VCUHA	2,286	2,240	2,193	2,141	2,085	2,025
FUND POSITION						
11. UNDISCOUNTED	(475,658)	(468,526)	(477,491)	(486,067)	(494,336)	(502,366)
12. DISCOUNTED	(306,884)	(298,921)	(307,126)	(315,556)	(324,217)	(333,117)

NOTES:

- (1) PRIOR YEAR END FUND BALANCE EXCEPT THE BALANCE FOR 2022 PROVIDED BY DHRM.
(2) 2022-2023 FROM DHRM, 2024 AND FORWARD BASED ON PROJECTIONS OF ULTIMATE LOSSES FROM WC TOTAL-2 PLUS ESTIMATED VCUHA
VCUHA PREMIUMS FOR 2023-2027 EQUAL ESTIMATED LOSS PAYMENTS PLUS 10% ADMINISTRATIVE FEES FROM OUR ANALYSIS AS OF JUNE 30, 2022.
THE 2022 PREMIUMS AND LOSS PAYMENTS INCLUDE AMOUNTS RELATED TO REPAYMENT OF THE WORKING CAPITAL ADVANCE. 2023 AND SUBSEQUENT DO NOT.
(3) FROM DHRM - A NEGATIVE NUMBER REPRESENTS CASH TRANSFERRED IN.
(4) 2022 BASED ON DATA PROVIDED BY DHRM; 2023 THROUGH 2027 FROM EXH. WC TOTAL-5.
(5)-(6) FROM DHRM
(7) 2.78% x (ROW (1)+ROW(2)-ROW(3)-(ROW(4)x.5)-(ROW (5)x.5)-(ROW (6)x.5)); EXCEPT 2022 PROVIDED BY DHRM.
(8) ROW (1)+ROW (2)-ROW (3)-ROW (4)-ROW (5)-ROW (6)+ROW (7).
(9)-(10) REQUIRED RESERVES ARE EXPECTED VALUE PROJECTIONS FROM EXH. WC TOTAL-3 AND WC TOTAL-4; VCUHA FROM SEPARATE ANALYSIS AS OF JUNE 30, 2022.
(11) ROW (8)-ROW (9)
(12) ROW (8)-ROW (10)
DOLLARS ARE IN THOUSANDS.
* ESTIMATES EXCLUDE VCUHA ACCIDENTS OCCURRING ON OR AFTER 7/1/2001; EFFECTIVE 7/1/2001, VCUHA IS NO LONGER A STATE AGENCY.

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022

ACCOUNTING PROJECTIONS WITH OLIVER WYMAN'S RECOMMENDED FUNDING
WORKERS' COMPENSATION (\$000s)

	Fiscal Year Ending 6/30					
	2022	2023	2024	2025	2026	2027
1. FUND BALANCE (BEGINNING OF YEAR)	75,601	92,294	104,054	576,459	577,708	576,782
2. PREMIUM	78,964	74,299	523,463	52,446	50,127	47,972
2a. COMMONWEALTH AGENCIES	78,883	74,183	523,344	52,324	50,002	47,844
2b. VCUHA EFFECTIVE 2002	82	116	119	122	125	128
3. NET CASH TRANSFERRED OUT	0	0	0	0	0	0
TRANSFER OF RESERVE	0	0	0	0	0	0
TRANSFER FROM W/C	0	0	0	0	0	0
4. LOSS PAYMENTS	45,889	48,533	49,444	49,618	49,449	48,878
4a. PAYMENTS ON CURRENT ACCIDENT YEAR	6,549	7,888	7,900	7,525	7,166	6,824
4b. PAYMENTS ON ALL PRIOR ACCIDENT YEARS	39,341	40,645	41,544	42,093	42,282	42,053
5. PROGRAM EXPENSES	15,058	16,081	16,483	16,483	16,482	16,485
6. ADMINISTRATIVE EXPENSES	1,580	1,635	1,637	1,637	1,637	1,637
7. INVESTMENT INCOME	255	3,710	16,506	16,542	16,515	16,437
8. FUND BALANCE (END OF YEAR)	92,294	104,054	576,459	577,708	576,782	574,191
REQUIRED RESERVE						
9. UNDISCOUNTED	567,952	572,580	576,459	577,708	576,782	574,191
9a. COMMONWEALTH AGENCIES	564,622	569,356	573,343	574,704	573,891	571,417
9b. VCUHA	3,330	3,224	3,116	3,005	2,891	2,774
10. DISCOUNTED	399,178	402,975	406,093	407,197	406,664	404,942
10a. COMMONWEALTH AGENCIES	396,892	400,735	403,900	405,056	404,579	402,917
10b. VCUHA	2,286	2,240	2,193	2,141	2,085	2,025
FUND POSITION						
11. UNDISCOUNTED	(475,658)	(468,526)	0	0	0	0
12. DISCOUNTED	(306,884)	(298,921)	170,366	170,512	170,118	169,249

NOTES:

(1) PRIOR YEAR END FUND BALANCE EXCEPT THE BALANCE FOR 2022 PROVIDED BY DHRM.

(2) ACTUAL 2022 AND PROJECTED 2023 PREMIUMS; 2024 SET TO PRODUCE \$0 FUND POSITION.

VCUHA PREMIUMS FOR 2023-2027 EQUAL ESTIMATED LOSS PAYMENTS PLUS 10% ADMINISTRATIVE FEES FROM OUR ANALYSIS AS OF JUNE 30, 2022.

THE 2022 PREMIUMS AND LOSS PAYMENTS INCLUDE AMOUNTS RELATED TO REPAYMENT OF THE WORKING CAPITAL ADVANCE. 2023 AND SUBSEQUENT DO NOT.

(3) FROM DHRM - A NEGATIVE NUMBER REPRESENTS CASH TRANSFERRED IN.

(4) 2022 BASED ON DATA PROVIDED BY DHRM; 2023 THROUGH 2027 FROM EXH. WC TOTAL-5.

(5)-(6) FROM DHRM

(7) $2.78\% \times (\text{ROW } (1)+\text{ROW}(2)-\text{ROW}(3)-(\text{ROW}(4)\times.5)-(\text{ROW } (5)\times.5)-(\text{ROW } (6)\times.5))$; EXCEPT 2022 PROVIDED BY DHRM.(8) $\text{ROW } (1)+\text{ROW } (2)-\text{ROW } (3)-\text{ROW } (4)-\text{ROW } (5)-\text{ROW } (6)+\text{ROW } (7)$.

(9)-(10) REQUIRED RESERVES ARE EXPECTED VALUE PROJECTIONS FROM EXH. WC TOTAL-3 AND WC TOTAL-4; VCUHA FROM SEPARATE ANALYSIS AS OF JUNE 30, 2022.

(11) $\text{ROW } (8)-\text{ROW } (9)$ (12) $\text{ROW } (8)-\text{ROW } (10)$

DOLLARS ARE IN THOUSANDS.

* ESTIMATES EXCLUDE VCUHA ACCIDENTS OCCURRING ON OR AFTER 7/1/2001; EFFECTIVE 7/1/2001, VCUHA IS NO LONGER A STATE AGENCY.

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022

ACCOUNTING PROJECTIONS WITH 2024 PREMIUM EQUAL TO 2023 PREMIUM
 WORKERS' COMPENSATION (\$000s)

	Fiscal Year Ending 6/30					
	2022	2023	2024	2025	2026	2027
1. FUND BALANCE (BEGINNING OF YEAR)	75,601	92,294	104,054	114,811	114,811	114,811
2. PREMIUM	78,964	74,299	74,302	63,717	63,549	62,988
2a. COMMONWEALTH AGENCIES	78,883	74,183	74,183	63,594	63,423	62,860
2b. VCUHA EFFECTIVE 2002	82	116	119	122	125	128
3. NET CASH TRANSFERRED OUT	0	0	0	0	0	0
TRANSFER OF RESERVE	0	0	0	0	0	0
TRANSFER FROM W/C	0	0	0	0	0	0
4. LOSS PAYMENTS	45,889	48,533	49,444	49,618	49,449	48,878
4a. PAYMENTS ON CURRENT ACCIDENT YEAR	6,549	7,888	7,900	7,525	7,166	6,824
4b. PAYMENTS ON ALL PRIOR ACCIDENT YEARS	39,341	40,645	41,544	42,093	42,282	42,053
5. PROGRAM EXPENSES	15,058	16,081	16,483	16,483	16,482	16,485
6. ADMINISTRATIVE EXPENSES	1,580	1,635	1,637	1,637	1,637	1,637
7. INVESTMENT INCOME	255	3,710	4,019	4,022	4,019	4,012
8. FUND BALANCE (END OF YEAR)	92,294	104,054	114,811	114,811	114,811	114,811
REQUIRED RESERVE						
9. UNDISCOUNTED	567,952	572,580	576,459	577,708	576,782	574,191
9a. COMMONWEALTH AGENCIES	564,622	569,356	573,343	574,704	573,891	571,417
9b. VCUHA	3,330	3,224	3,116	3,005	2,891	2,774
10. DISCOUNTED	399,178	402,975	406,093	407,197	406,664	404,942
10a. COMMONWEALTH AGENCIES	396,892	400,735	403,900	405,056	404,579	402,917
10b. VCUHA	2,286	2,240	2,193	2,141	2,085	2,025
FUND POSITION						
11. UNDISCOUNTED	(475,658)	(468,526)	(461,647)	(462,897)	(461,971)	(459,379)
12. DISCOUNTED	(306,884)	(298,921)	(291,282)	(292,385)	(291,853)	(290,130)

NOTES:

(1) PRIOR YEAR END FUND BALANCE EXCEPT THE BALANCE FOR 2022 PROVIDED BY DHRM.

(2) 2022-2023 FROM DHRM, 2024-2023, 2025-2027 ARE CASHFLOW.

VCUHA PREMIUMS FOR 2023-2027 EQUAL ESTIMATED LOSS PAYMENTS PLUS 10% ADMINISTRATIVE FEES FROM OUR ANALYSIS AS OF JUNE 30, 2022.

THE 2022 PREMIUMS AND LOSS PAYMENTS INCLUDE AMOUNTS RELATED TO REPAYMENT OF THE WORKING CAPITAL ADVANCE. 2023 AND SUBSEQUENT DO NOT.

(3) FROM DHRM - A NEGATIVE NUMBER REPRESENTS CASH TRANSFERRED IN.

(4) 2022 BASED ON DATA PROVIDED BY DHRM; 2023 THROUGH 2027 FROM EXH. WC TOTAL-5.

(5)-(6) FROM DHRM

(7) $2.78\% \times (\text{ROW } (1)+\text{ROW}(2)-\text{ROW}(3)-(\text{ROW}(4)\times.5)-(\text{ROW } (5)\times.5)-(\text{ROW } (6)\times.5))$; EXCEPT 2022 PROVIDED BY DHRM.(8) $\text{ROW } (1)+\text{ROW } (2)-\text{ROW } (3)-\text{ROW } (4)-\text{ROW } (5)-\text{ROW } (6)+\text{ROW } (7)$.

(9)-(10) REQUIRED RESERVES ARE EXPECTED VALUE PROJECTIONS FROM EXH. WC TOTAL-3 AND WC TOTAL-4; VCUHA FROM SEPARATE ANALYSIS AS OF JUNE 30, 2022.

(11) $\text{ROW } (8)-\text{ROW } (9)$ (12) $\text{ROW } (8)-\text{ROW } (10)$

DOLLARS ARE IN THOUSANDS.

* ESTIMATES EXCLUDE VCUHA ACCIDENTS OCCURRING ON OR AFTER 7/1/2001; EFFECTIVE 7/1/2001, VCUHA IS NO LONGER A STATE AGENCY.

Summary Exhibits

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - TOTAL

SUMMARY OF GROSS PAYMENTS AND REQUIRED RESERVES

ACCIDENT YEAR ENDING 6/30	(1)	(2)	(3)	(4)	(5)	(6)	(7)
	SELECTED ULTIMATE LOSSES	PAID LOSS TO DATE	CASE RESERVES	SELECTED LOSS I.B.N.R.	PROJECTED UNDISCOUNTED RESERVE	DISCOUNT FACTOR	PROJECTED DISCOUNTED RESERVE
1987	34,523	32,368	1,927	228	2,155	0.742	1,599
1988	48,352	39,894	8,028	430	8,458	0.747	6,314
1989	39,191	36,479	2,372	340	2,712	0.738	2,001
1990	49,493	46,274	2,696	523	3,219	0.751	2,418
1991	53,102	47,933	4,464	704	5,169	0.742	3,833
1992	55,173	49,862	4,529	782	5,312	0.731	3,882
1993	65,096	53,833	10,104	1,158	11,263	0.730	8,222
1994	67,428	57,287	8,835	1,306	10,141	0.730	7,407
1995	51,345	42,563	7,685	1,096	8,782	0.732	6,432
1996	59,002	47,555	9,967	1,480	11,447	0.717	8,205
1997	62,481	48,631	12,153	1,697	13,850	0.713	9,873
1998	59,864	49,273	8,796	1,794	10,591	0.714	7,557
1999	55,211	43,542	9,703	1,965	11,668	0.710	8,285
2000	56,963	44,818	9,998	2,147	12,145	0.711	8,641
2001	68,307	55,397	10,452	2,458	12,910	0.699	9,027
2002	57,224	45,750	9,083	2,391	11,475	0.706	8,097
2003	63,808	52,714	8,308	2,787	11,095	0.692	7,676
2004	68,293	50,276	14,459	3,558	18,017	0.692	12,461
2005	59,061	43,277	12,531	3,253	15,784	0.688	10,866
2006	71,685	52,191	15,106	4,387	19,494	0.685	13,353
2007	62,488	46,124	12,188	4,176	16,364	0.676	11,067
2008	69,610	46,727	17,803	5,081	22,883	0.678	15,517
2009	47,887	38,473	6,337	3,076	9,413	0.670	6,304
2010	64,454	50,238	9,439	4,778	14,217	0.671	9,535
2011	65,567	47,662	12,394	5,511	17,905	0.664	11,885
2012	63,722	45,526	12,735	5,461	18,196	0.663	12,072
2013	63,288	44,024	13,605	5,658	19,263	0.669	12,881
2014	59,871	42,327	11,487	6,057	17,544	0.675	11,842
2015	69,221	39,836	22,908	6,478	29,386	0.668	19,626
2016	55,343	37,909	10,227	7,208	17,434	0.696	12,140
2017	55,556	32,638	15,088	7,830	22,917	0.708	16,231
2018	49,556	27,358	12,679	9,519	22,198	0.712	15,815
2019	45,982	20,664	12,407	12,910	25,317	0.710	17,984
2020	48,513	17,636	13,052	17,825	30,877	0.718	22,156
2021	51,148	15,459	12,256	23,433	35,689	0.726	25,905
2022	<u>49,212</u>	<u>6,549</u>	<u>13,342</u>	<u>29,321</u>	<u>42,663</u>	0.752	<u>32,069</u>
TOTALS	2,067,022	1,499,070	379,142	188,810	567,952		399,178

NOTES BY COLUMN:

(1) EXH. WC-6 COL. (6) OR COL. (7)

(2) FROM EXH. WC-15

(3) EXH. WC-1 COL. (3)

(4) COL. (1) - COL. (2) - COL. (3)

(5) COL. (3) + COL. (4)

(6) BASED ON A 2.78% DISCOUNT RATE AND PAYMENT PATTERN DERIVED IN EXH. WC-14

(7) COL. (5) x COL. (6)

LOSSES INCLUDE ALLOCATED LOSS ADJUSTMENT EXPENSE UNLESS OTHERWISE NOTED.

ALL DOLLARS ARE IN THOUSANDS

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - TOTAL

SUMMARY OF NET PAYMENTS AND REQUIRED RESERVES

ACCIDENT YEAR ENDING 6/30	(1)	(2)	(3)	(4)	(5)	(6)	(7)
	RECOVERIES	NET ULTIMATE LOSSES	NET PAID LOSSES	CASE RESERVES	SELECTED LOSS I.B.N.R.	PROJECTED UNDISCOUNTED RESERVE	PROJECTED DISCOUNTED RESERVE
1987	455	34,068	31,913	1,927	228	2,155	1,599
1988	509	47,843	39,386	8,028	430	8,458	6,314
1989	446	38,746	36,034	2,372	340	2,712	2,001
1990	80	49,413	46,194	2,696	523	3,219	2,418
1991	126	52,976	47,808	4,464	704	5,169	3,833
1992	86	55,087	49,775	4,529	782	5,312	3,882
1993	548	64,548	53,285	10,104	1,158	11,263	8,222
1994	635	66,794	56,653	8,835	1,306	10,141	7,407
1995	435	50,910	42,128	7,685	1,096	8,782	6,432
1996	519	58,483	47,036	9,967	1,480	11,447	8,205
1997	423	62,059	48,208	12,153	1,697	13,850	9,873
1998	1,423	58,441	47,850	8,796	1,794	10,591	7,557
1999	579	54,632	42,964	9,703	1,965	11,668	8,285
2000	562	56,401	44,256	9,998	2,147	12,145	8,641
2001	1,517	66,790	53,880	10,452	2,458	12,910	9,027
2002	625	56,599	45,125	9,083	2,391	11,475	8,097
2003	637	63,171	52,077	8,308	2,787	11,095	7,676
2004	887	67,406	49,390	14,459	3,558	18,017	12,461
2005	807	58,254	42,470	12,531	3,253	15,784	10,866
2006	689	70,996	51,503	15,106	4,387	19,494	13,353
2007	1,088	61,400	45,036	12,188	4,176	16,364	11,067
2008	929	68,681	45,798	17,803	5,081	22,883	15,517
2009	351	47,536	38,122	6,337	3,076	9,413	6,304
2010	877	63,578	49,361	9,439	4,778	14,217	9,535
2011	952	64,615	46,710	12,394	5,511	17,905	11,885
2012	740	62,982	44,786	12,735	5,461	18,196	12,072
2013	949	62,339	43,076	13,605	5,658	19,263	12,881
2014	1,082	58,789	41,245	11,487	6,057	17,544	11,842
2015	903	68,318	38,932	22,908	6,478	29,386	19,626
2016	496	54,847	37,413	10,227	7,208	17,434	12,140
2017	488	55,068	32,150	15,088	7,830	22,917	16,231
2018	504	49,051	26,853	12,679	9,519	22,198	15,815
2019	622	45,360	20,042	12,407	12,910	25,317	17,984
2020	316	48,197	17,320	13,052	17,825	30,877	22,156
2021	77	51,071	15,382	12,256	23,433	35,689	25,905
2022	8	49,204	6,541	13,342	29,321	42,663	32,069
TOTALS	22,370	2,044,651	1,476,700	379,142	188,810	567,952	399,178

NOTES BY COLUMN:

(1) FROM DHRM.

(2) EXH. WC TOTAL-1A COL. (1) MINUS COL. (1)

(3) EXH. WC TOTAL-1A COL. (2) MINUS COL. (1)

(4) EXH. WC TOTAL-1A COL. (3)

(5) COL. (2) - COL. (3) - COL. (4)

(6) COL. (4) + COL. (5)

(7) EXH. WC TOTAL-1A COL. (7)

LOSSES INCLUDE ALLOCATED LOSS ADJUSTMENT EXPENSE UNLESS OTHERWISE NOTED.

ALL DOLLARS ARE IN THOUSANDS

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - TOTAL

PROJECTION OF ULTIMATE LOSSES FOR ACCIDENT YEARS 2023-2027

ACCIDENT YEAR ENDING 6/30	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
	PAYROLL (MILLIONS)	PROJECTED LOSS PER EXPOSURE	PROJECTED ULTIMATE LOSS	CONFIDENCE INTERVALS				
				45%	50%	75%	90%	95%
2023	8,773.64	6.059	53,161	51,805	52,713	57,734	62,473	65,342
2024	9,228.64	5.778	53,323	51,963	52,874	57,910	62,663	65,541
2025	9,231.15	5.510	50,868	49,570	50,439	55,243	59,778	62,523
2026	9,231.99	5.256	48,522	47,285	48,114	52,696	57,022	59,641
2027	9,231.99	5.014	46,286	45,106	45,896	50,268	54,394	56,892

NOTES BY COLUMN:

(1) PROJECTED BASED ON INFORMATION PROVIDED BY COMMONWEALTH OF VIRGINIA. PAYROLL SINCE FY 2007 FORWARD EXCLUDES VCUHA.

(2) SUM OF INDEMNITY, MEDICAL, AND EXPENSE PROJECTED LOSSES PER EXPOSURE

(3) COL. (1) x COL. (2)

(4)-(8) BASED ON SIMULATION MODEL

ALL DOLLARS ARE IN THOUSANDS

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - TOTAL

PROJECTION OF REQUIRED UNDISCOUNTED RESERVE AT FISCAL YEAR END

ACCIDENT YEAR ENDING 6/30	AS OF 6/30					
	2022	2023	2024	2025	2026	2027
	1987	2,155	2,005	1,865	1,736	1,615
1988	8,458	7,889	7,287	6,741	6,242	5,784
1989	2,712	2,526	2,357	2,193	2,040	1,898
1990	3,219	3,001	2,794	2,607	2,375	2,172
1991	5,169	4,819	4,500	4,195	3,914	3,601
1992	5,312	4,977	4,654	4,343	4,043	3,772
1993	11,263	10,558	9,877	9,238	8,630	8,047
1994	10,141	9,506	8,892	8,298	7,759	7,257
1995	8,782	8,228	7,690	7,168	6,662	6,217
1996	11,447	10,803	10,183	9,584	9,006	8,450
1997	13,850	13,091	12,358	11,650	10,968	10,311
1998	10,591	10,003	9,439	8,896	8,371	7,863
1999	11,668	11,033	10,422	9,835	9,269	8,722
2000	12,145	11,474	10,826	10,207	9,615	9,047
2001	12,910	12,259	11,626	11,013	10,420	9,845
2002	11,475	10,858	10,266	9,697	9,148	8,622
2003	11,095	10,559	10,038	9,531	9,039	8,562
2004	18,017	17,151	16,294	15,460	14,654	13,876
2005	15,784	15,031	14,307	13,591	12,894	12,220
2006	19,494	18,572	17,686	16,835	15,992	15,171
2007	16,364	15,632	14,923	14,238	13,577	12,922
2008	22,883	21,821	20,797	19,817	18,873	17,966
2009	9,413	8,994	8,589	8,196	7,818	7,453
2010	14,217	13,596	12,968	12,361	11,776	11,216
2011	17,905	17,151	16,422	15,680	14,961	14,267
2012	18,196	17,361	16,600	15,883	15,156	14,453
2013	19,263	18,109	17,225	16,441	15,721	14,993
2014	17,544	16,154	15,244	14,527	13,879	13,275
2015	29,386	27,577	25,796	24,522	23,449	22,447
2016	17,434	16,067	14,738	13,414	12,588	11,964
2017	22,917	21,008	19,279	17,596	15,916	14,892
2018	22,198	20,355	18,678	17,158	15,679	14,203
2019	25,317	23,046	21,247	19,627	18,150	16,717
2020	30,877	28,044	25,540	23,555	21,769	20,140
2021	35,689	32,195	29,249	26,647	24,583	22,728
2022	<u>42,663</u>	35,854	32,332	29,361	26,735	24,652
2023		<u>45,273</u>	38,047	34,348	31,246	28,509
2024			<u>45,423</u>	38,177	34,460	31,341
2025				<u>43,343</u>	36,434	32,881
2026					<u>41,356</u>	34,769
2027						<u>39,462</u>
TOTAL	567,952	572,580	576,459	577,708	576,782	574,191
CONFIDENCE INTERVALS	AS OF 6/30					
	2022	2023	2024	2025	2026	2027
45%	559,528	564,087	567,909	569,140	568,227	565,674
50%	566,441	571,057	574,926	576,172	575,248	572,664
75%	603,495	608,413	612,535	613,862	612,878	610,125
90%	638,123	643,323	647,682	649,086	648,045	645,133
95%	656,687	662,039	666,524	667,969	666,898	663,901

NOTES:

RESERVE PROJECTIONS BASED ON EXH. WC TOTAL-5; CONFIDENCE INTERVALS BASED ON SIMULATION MODEL
 ALL DOLLARS ARE IN THOUSANDS

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - TOTAL

PROJECTION OF REQUIRED DISCOUNTED RESERVE AT FISCAL YEAR END

ACCIDENT YEAR ENDING 6/30	AS OF 6/30					
	2022	2023	2024	2025	2026	2027
1987	1,599	1,491	1,391	1,299	1,212	1,132
1988	6,314	5,913	5,467	5,065	4,700	4,367
1989	2,001	1,869	1,749	1,631	1,522	1,420
1990	2,418	2,265	2,118	1,987	1,808	1,652
1991	3,833	3,585	3,361	3,146	2,948	2,712
1992	3,882	3,651	3,425	3,205	2,990	2,798
1993	8,222	7,736	7,261	6,815	6,388	5,974
1994	7,407	6,969	6,540	6,119	5,743	5,394
1995	6,432	6,049	5,672	5,300	4,934	4,620
1996	8,205	7,781	7,368	6,966	6,574	6,193
1997	9,873	9,378	8,895	8,425	7,968	7,523
1998	7,557	7,172	6,799	6,438	6,084	5,739
1999	8,285	7,872	7,471	7,084	6,707	6,339
2000	8,641	8,201	7,772	7,360	6,965	6,583
2001	9,027	8,617	8,216	7,822	7,438	7,063
2002	8,097	7,697	7,310	6,937	6,573	6,223
2003	7,676	7,346	7,022	6,704	6,391	6,085
2004	12,461	11,929	11,393	10,864	10,349	9,848
2005	10,866	10,405	9,961	9,512	9,069	8,638
2006	13,353	12,790	12,247	11,724	11,196	10,674
2007	11,067	10,632	10,209	9,798	9,400	8,998
2008	15,517	14,872	14,247	13,649	13,072	12,515
2009	6,304	6,054	5,811	5,575	5,346	5,125
2010	9,535	9,170	8,788	8,417	8,059	7,715
2011	11,885	11,451	11,031	10,584	10,150	9,729
2012	12,072	11,562	11,111	10,693	10,254	9,826
2013	12,881	12,068	11,508	11,033	10,610	10,167
2014	11,842	10,762	10,139	9,693	9,306	8,952
2015	19,626	18,338	17,042	16,224	15,588	15,005
2016	12,140	11,092	10,053	8,989	8,402	8,003
2017	16,231	14,747	13,404	12,070	10,703	9,963
2018	15,815	14,386	13,086	11,909	10,740	9,543
2019	17,984	16,182	14,808	13,577	12,457	11,351
2020	22,156	19,899	17,914	16,400	15,046	13,812
2021	25,905	23,082	20,738	18,676	17,103	15,698
2022	<u>32,069</u>	26,057	23,212	20,845	18,762	17,172
2023		<u>33,906</u>	27,522	24,538	22,075	19,913
2024			<u>34,033</u>	27,633	24,633	22,156
2025				<u>32,489</u>	26,388	23,519
2026					<u>31,013</u>	25,197
2027						<u>29,606</u>
TOTAL	399,178	402,975	406,093	407,197	406,664	404,942
CONFIDENCE INTERVALS	AS OF 6/30					
	2022	2023	2024	2025	2026	2027
45%	393,257	396,998	400,070	401,157	400,632	398,935
50%	398,116	401,903	405,013	406,114	405,582	403,865
75%	424,159	428,194	431,507	432,680	432,114	430,283
90%	448,497	452,764	456,267	457,507	456,908	454,973
95%	461,545	465,935	469,540	470,817	470,201	468,209

NOTES:

RESERVE PROJECTIONS BASED ON EXH. WC TOTAL-5, PAYMENT PATTERN (EXH. WC TOTAL-14), DISCOUNTED AT AN INTEREST RATE OF 2.78%, AND CONFIDENCE INTERVALS BASED ON SIMULATION MODEL.
ALL DOLLARS ARE IN THOUSANDS

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - TOTAL

PROJECTED PAYMENTS BY FISCAL YEAR

ACCIDENT YEAR ENDING 6/30	ESTIMATED RESERVE/ ULTIMATE AS OF 6/30					
		2023	2024	2025	2026	2027
1987	2,155	150	139	130	121	112
1988	8,458	569	601	547	499	457
1989	2,712	186	169	164	153	142
1990	3,219	218	207	187	232	203
1991	5,169	350	319	305	281	313
1992	5,312	335	323	311	300	271
1993	11,263	705	681	639	607	583
1994	10,141	635	614	594	539	502
1995	8,782	554	538	522	506	445
1996	11,447	643	621	599	578	556
1997	13,850	759	733	707	682	657
1998	10,591	588	564	543	525	508
1999	11,668	635	611	587	566	547
2000	12,145	671	648	620	591	568
2001	12,910	652	632	613	594	574
2002	11,475	616	592	569	550	525
2003	11,095	536	521	507	492	477
2004	18,017	866	857	834	806	778
2005	15,784	753	723	716	697	674
2006	19,494	921	886	851	843	821
2007	16,364	732	709	685	661	655
2008	22,883	1,062	1,024	981	944	907
2009	9,413	419	406	392	379	365
2010	14,217	621	628	607	585	560
2011	17,905	754	729	743	719	694
2012	18,196	835	762	717	727	703
2013	19,263	1,154	884	784	721	728
2014	17,544	1,390	910	717	648	604
2015	29,386	1,809	1,781	1,274	1,073	1,003
2016	17,434	1,367	1,329	1,325	826	624
2017	22,917	1,909	1,729	1,684	1,680	1,024
2018	22,198	1,843	1,677	1,520	1,480	1,476
2019	25,317	2,271	1,799	1,620	1,477	1,432
2020	30,877	2,833	2,504	1,985	1,786	1,629
2021	35,689	3,494	2,945	2,602	2,064	1,855
2022	42,663	6,810	3,521	2,971	2,626	2,083
2023	53,161	<u>7,888</u>	7,226	3,699	3,102	2,737
2024	53,323		<u>7,900</u>	7,245	3,717	3,119
2025	50,868			<u>7,525</u>	6,909	3,553
2026	48,522				<u>7,166</u>	6,587
2027	<u>46,286</u>					<u>6,824</u>
TOTAL	820,113	48,533	49,444	49,618	49,449	48,878

NOTES:

BASED ON EXH. TOTAL WC-2 COL. (3) AND EXH. TOTAL WC-1 COL. (5) AND PAYMENT PATTERN (EXH. TOTAL WC-14)

ESTIMATED RESERVE / ULTIMATE COLUMN EQUAL TO OUTSTANDING RESERVES THROUGH 2022 AND

EXPECTED ULTIMATES FROM 2023 TO 2027

ALL DOLLARS ARE IN THOUSANDS

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - TOTAL

SUMMARY OF PURE PREMIUMS

ACCIDENT YEAR ENDING 6/30	(1)	(2)	(3)	(4)	(5)
	EXPOSURE	INDEMNITY PURE PREMIUM	MEDICAL PURE PREMIUM	EXPENSE PURE PREMIUM	TOTAL PURE PREMIUM
1987	2,014.05	6.114	10.609	0.418	17.141
1988	2,141.31	6.929	15.089	0.563	22.581
1989	2,334.18	7.131	9.150	0.509	16.790
1990	2,559.91	8.116	10.849	0.368	19.334
1991	2,971.00	6.571	10.974	0.328	17.873
1992	2,921.00	7.224	11.268	0.396	18.888
1993	3,051.00	6.601	14.581	0.154	21.336
1994	3,249.40	6.823	13.854	0.075	20.751
1995	3,436.52	5.346	9.496	0.099	14.941
1996	3,393.80	4.970	12.294	0.122	17.385
1997	3,373.85	5.258	13.161	0.101	18.519
1998	3,770.79	5.239	10.523	0.114	15.876
1999	4,052.54	3.819	9.665	0.140	13.624
2000	4,341.67	4.245	8.701	0.174	13.120
2001	4,623.59	5.267	9.295	0.211	14.774
2002	4,613.75	4.338	7.852	0.213	12.403
2003	4,471.67	4.657	9.383	0.230	14.269
2004	4,459.64	4.269	10.793	0.251	15.314
2005	4,897.19	3.579	8.211	0.271	12.060
2006	5,262.17	3.709	9.589	0.324	13.623
2007	5,521.29	3.262	7.698	0.358	11.318
2008	5,855.25	2.912	8.647	0.330	11.889
2009	5,985.58	2.316	5.516	0.168	8.000
2010	5,959.94	3.006	7.569	0.239	10.815
2011	5,962.22	2.610	8.162	0.226	10.997
2012	6,243.36	2.921	7.082	0.203	10.206
2013	6,371.40	2.831	6.880	0.222	9.933
2014	6,610.00	2.676	6.136	0.246	9.058
2015	6,712.89	2.468	7.609	0.234	10.312
2016	6,959.72	2.321	5.428	0.202	7.952
2017	7,076.45	2.554	5.039	0.257	7.851
2018	7,391.93	2.132	4.360	0.212	6.704
2019	7,558.68	1.807	4.064	0.212	6.083
2020	7,864.70	1.950	3.982	0.236	6.168
2021	7,876.91	2.049	4.173	0.272	6.493
2022	<u>8,327.14</u>	1.865	3.784	0.261	5.910
TOTAL	180,216.48				
FITTED TRENDS		INDEMNITY PURE PREMIUM	MEDICAL PURE PREMIUM	EXPENSE PURE PREMIUM	TOTAL PURE PREMIUM
1987-2021		-4.07%	-3.09%	-0.26%	-3.37%
1990-2021		-4.29%	-3.43%	1.17%	-3.64%
1995-2021		-4.00%	-3.75%	2.53%	-3.72%
1999-2022		-3.98%	-4.01%	0.63%	-3.90%
2008-2020		-3.07%	-5.48%	-0.49%	-4.66%
NCCI 2008-2020		-4.25%	-4.50%		

NOTES BY COLUMN:

- (1) FROM COMMONWEALTH OF VIRGINIA.
(2) EXH. WC-6 IND COL. (6) / COL. (1)
(3) EXH. WC-6 MED COL. (7) / COL. (1)
(4) EXH. WC-6 EXP COL. (6) / COL. (1)
(5) COL. (2) + COL. (3) + COL. (4)

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - TOTAL

SUMMARY OF FREQUENCY AND SEVERITY PER TOTAL REPORTED CLAIM

ACCIDENT YEAR ENDING 6/30	(1)	(2)	(3)	(4)	(5)	(6)
	EXPOSURE	TOTAL FREQUENCY	INDEMNITY SEVERITY	MEDICAL SEVERITY	EXPENSE SEVERITY	TOTAL SEVERITY
1987	2,014.05	6.2183	0.9832	1.7061	0.0672	2.7566
1988	2,141.31	6.1434	1.1278	2.4562	0.0916	3.6756
1989	2,334.18	5.5501	1.2849	1.6485	0.0918	3.0252
1990	2,559.91	5.4100	1.5003	2.0054	0.0681	3.5738
1991	2,971.00	4.5146	1.4555	2.4308	0.0727	3.9590
1992	2,921.00	4.8168	1.4998	2.3392	0.0823	3.9213
1993	3,051.00	4.7332	1.3945	3.0806	0.0326	4.5077
1994	3,249.40	4.5713	1.4925	3.0306	0.0163	4.5394
1995	3,436.52	3.8417	1.3917	2.4719	0.0256	3.8892
1996	3,393.80	3.6472	1.3625	3.3708	0.0334	4.7667
1997	3,373.85	3.4874	1.5077	3.7738	0.0289	5.3103
1998	3,770.79	3.0431	1.7214	3.4581	0.0374	5.2169
1999	4,052.54	2.6085	1.4640	3.7051	0.0537	5.2228
2000	4,341.67	2.6250	1.6170	3.3148	0.0663	4.9981
2001	4,623.59	2.5074	2.1005	3.7073	0.0843	5.8921
2002	4,613.75	2.4022	1.8058	3.2687	0.0888	5.1632
2003	4,471.67	2.2938	2.0303	4.0904	0.1002	6.2210
2004	4,459.64	2.3735	1.7988	4.5475	0.1057	6.4519
2005	4,897.19	2.0028	1.7868	4.0998	0.1352	6.0217
2006	5,262.17	1.9825	1.8711	4.8371	0.1635	6.8717
2007	5,521.29	1.8057	1.8062	4.2631	0.1983	6.2676
2008	5,855.25	1.6698	1.7438	5.1784	0.1976	7.1198
2009	5,985.58	1.6292	1.4218	3.3857	0.1029	4.9105
2010	5,959.94	1.6410	1.8320	4.6125	0.1459	6.5904
2011	5,962.22	1.5845	1.6472	5.1510	0.1423	6.9405
2012	6,243.36	1.5277	1.9121	4.6358	0.1330	6.6809
2013	6,371.40	1.4353	1.9726	4.7933	0.1546	6.9205
2014	6,610.00	1.3598	1.9680	4.5125	0.1807	6.6612
2015	6,712.89	1.3047	1.8916	5.8325	0.1797	7.9038
2016	6,959.72	1.1847	1.9593	4.5821	0.1708	6.7123
2017	7,076.45	1.0265	2.4880	4.9093	0.2508	7.6481
2018	7,391.93	1.0141	2.1029	4.2993	0.2087	6.6109
2019	7,558.68	0.9070	1.9927	4.4807	0.2333	6.7068
2020	7,864.70	0.8514	2.2906	4.6773	0.2772	7.2451
2021	7,876.91	0.6351	3.2253	6.5702	0.4280	10.2235
2022	<u>8,327.14</u>	<u>0.6552</u>	<u>2.8463</u>	<u>5.7757</u>	<u>0.3977</u>	<u>9.0198</u>
TOTALS	180,216.48	2.0863	1.6996	3.6834	0.1147	5.4977
FITTED TRENDS		TOTAL FREQUENCY	INDEMNITY SEVERITY	MEDICAL SEVERITY	EXPENSE SEVERITY	TOTAL SEVERITY
1987-2021		-5.82%	1.86%	2.90%	5.91%	2.60%
1990-2021		-5.80%	1.60%	2.51%	7.39%	2.29%
1995-2021		-5.62%	1.72%	1.98%	8.63%	2.01%
1999-2022		-5.67%	1.80%	1.76%	6.68%	1.88%

NOTES BY COLUMN:

- (1) FROM COMMONWEALTH OF VIRGINIA.
(2) EXH. WC COUNT-1 COL. (4) / COL. (1)
(3) EXH. WC IND-6 COL. (6) / EXH. WC COUNT-1 COL. (4)
(4) EXH. WC MED-6 COL. (7) / EXH. WC COUNT-1 COL. (4)
(5) EXH. WC EXP-6 COL. (6) / EXH. WC COUNT-1 COL. (4)
(6) COL. (3) + COL. (4) + COL. (5)

SEVERITY DOLLARS IN THOUSANDS.

NOTE FREQUENCY REPRESENTS NUMBER OF CLAIMS PER \$PAYROLL. SINCE PAYROLL IS INFLATION SENSITIVE,
A STABLE FREQUENCY TREND PER EMPLOYEE WOULD RESULT IN NEGATIVE FREQUENCY
TREND PER PAYROLL

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - TOTAL

SUMMARY OF LOST TIME FREQUENCY AND SEVERITY PER LOST TIME CLAIM

ACCIDENT YEAR ENDING 6/30	(1)	(2)	(3)	(4)	(5)	(6)
	EXPOSURE	LOST TIME FREQUENCY	INDEMNITY SEVERITY	MEDICAL SEVERITY	EXPENSE SEVERITY	TOTAL SEVERITY
1987	2,014.05	0.9275	6.5922	11.4388	0.4504	18.4813
1988	2,141.31	0.9742	7.1124	15.4894	0.5775	23.1793
1989	2,334.18	0.8298	8.5935	11.0257	0.6139	20.2330
1990	2,559.91	0.8239	9.8516	13.1689	0.4470	23.4676
1991	2,971.00	0.6964	9.4359	15.7584	0.4711	25.6654
1992	2,921.00	0.7566	9.5488	14.8925	0.5240	24.9653
1993	3,051.00	0.6965	9.4769	20.9351	0.2214	30.6334
1994	3,249.40	0.7041	9.6894	19.6751	0.1060	29.4705
1995	3,436.52	0.6024	8.8757	15.7650	0.1635	24.8043
1996	3,393.80	0.4935	10.0690	24.9094	0.2468	35.2251
1997	3,373.85	0.4597	11.4375	28.6280	0.2189	40.2844
1998	3,770.79	0.4238	12.3613	24.8319	0.2684	37.4616
1999	4,052.54	0.3583	10.6585	26.9742	0.3912	38.0239
2000	4,341.67	0.3054	13.8985	28.4905	0.5697	42.9588
2001	4,623.59	0.2704	19.4813	34.3826	0.7819	54.6459
2002	4,613.75	0.2460	17.6331	31.9179	0.8668	50.4178
2003	4,471.67	0.2791	16.6868	33.6182	0.8235	51.1285
2004	4,459.64	0.2884	14.8055	37.4298	0.8696	53.1049
2005	4,897.19	0.2459	14.5553	33.3976	1.1010	49.0539
2006	5,262.17	0.2326	15.9473	41.2260	1.3932	58.5665
2007	5,521.29	0.2121	15.3785	36.2963	1.6884	53.3632
2008	5,855.25	0.1850	15.7428	46.7490	1.7836	64.2755
2009	5,985.58	0.1826	12.6857	30.2082	0.9183	43.8122
2010	5,959.94	0.1888	15.9265	40.0983	1.2681	57.2929
2011	5,962.22	0.1845	14.1466	44.2373	1.2225	59.6064
2012	6,243.36	0.1494	19.5471	47.3915	1.3597	68.2982
2013	6,371.40	0.1472	19.2315	46.7320	1.5072	67.4707
2014	6,610.00	0.1422	18.8178	43.1468	1.7280	63.6926
2015	6,712.89	0.1448	17.0439	52.5525	1.6191	71.2155
2016	6,959.72	0.1313	17.6747	41.3346	1.5411	60.5503
2017	7,076.45	0.1138	22.4510	44.2992	2.2631	69.0132
2018	7,391.93	0.1132	18.8329	38.5039	1.8694	59.2061
2019	7,558.68	0.1000	18.0718	40.6349	2.1154	60.8221
2020	7,864.70	0.0901	21.6334	44.1739	2.6177	68.4250
2021	7,876.91	0.0807	25.3710	51.6839	3.3665	80.4214
2022	<u>8,327.14</u>	<u>0.0824</u>	<u>22.6378</u>	<u>45.9363</u>	<u>3.1633</u>	<u>71.7374</u>
TOTALS	180,216.48	0.2686	13.2002	28.6080	0.8910	42.6991
FITTED TRENDS		LOST TIME FREQUENCY	INDEMNITY SEVERITY	MEDICAL SEVERITY	EXPENSE SEVERITY	TOTAL SEVERITY
1987-2021		-6.94%	3.08%	4.14%	7.18%	3.84%
1990-2021		-6.89%	2.80%	3.72%	8.66%	3.50%
1995-2021		-6.41%	2.58%	2.85%	9.55%	2.88%
1999-2022		-5.88%	2.02%	1.98%	6.91%	2.10%

NOTES BY COLUMN:

- (1) FROM COMMONWEALTH OF VIRGINIA.
(2) EXH. WC LT COUNT-1 COL. (4) / COL. (1)
(3) EXH. WC IND-6 COL. (6) / EXH. WC LT COUNT-1 COL. (4)
(4) EXH. WC MED-6 COL. (7) / EXH. WC LT COUNT-1 COL. (4)
(5) EXH. WC EXP-6 COL. (6) / EXH. WC LT COUNT-1 COL. (4)
(6) COL. (3) + COL. (4) + COL. (5)

SEVERITY DOLLARS IN THOUSANDS.

NOTE FREQUENCY REPRESENTS NUMBER OF CLAIMS PER \$PAYROLL. SINCE PAYROLL IS INFLATION SENSITIVE,
A STABLE FREQUENCY TREND PER EMPLOYEE WOULD RESULT IN NEGATIVE FREQUENCY
TREND PER PAYROLL

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - TOTAL

SUMMARY OF 2022 COST LEVEL SEVERITY PER LOST TIME CLAIM

ACCIDENT YEAR ENDING 6/30	(1)	(2)	(3)	(4)	(5)
	EXPOSURE	TRENDED INDEMNITY SEVERITY	TRENDED MEDICAL SEVERITY	TRENDED EXPENSE SEVERITY	TRENDED TOTAL SEVERITY
1987	2,014.05	4.1402	6.5612	0.4504	11.1518
1988	2,141.31	4.5267	9.0268	0.5775	14.1310
1989	2,334.18	5.5425	6.5283	0.6139	12.6847
1990	2,559.91	6.4390	7.9222	0.4470	14.8082
1991	2,971.00	6.2498	9.6317	0.4711	16.3526
1992	2,921.00	6.4091	9.2482	0.5240	16.1813
1993	3,051.00	6.4460	13.2087	0.2214	19.8761
1994	3,249.40	6.6787	12.6124	0.1060	19.3971
1995	3,436.52	6.1997	10.2677	0.1635	16.6309
1996	3,393.80	7.1273	16.4831	0.2468	23.8571
1997	3,373.85	8.2043	19.2470	0.2189	27.6702
1998	3,770.79	8.9856	16.9621	0.2684	26.2161
1999	4,052.54	7.8514	18.7204	0.3912	26.9630
2000	4,341.67	10.3752	20.0893	0.5697	31.0342
2001	4,623.59	14.7372	24.6320	0.7819	40.1512
2002	4,613.75	13.5175	23.2323	0.8668	37.6167
2003	4,471.67	12.9632	24.8617	0.8235	38.6484
2004	4,459.64	11.6556	28.1236	0.8696	40.6487
2005	4,897.19	11.6120	25.4956	1.1010	38.2085
2006	5,262.17	12.8926	31.9755	1.3932	46.2614
2007	5,521.29	12.5991	28.6026	1.6884	42.8902
2008	5,855.25	13.0702	37.4295	1.7836	52.2832
2009	5,985.58	10.6729	24.5732	0.9183	36.1645
2010	5,959.94	13.5788	33.1406	1.2681	47.9875
2011	5,962.22	12.2226	37.1468	1.2225	50.5919
2012	6,243.36	17.1145	40.4324	1.3597	58.9066
2013	6,371.40	17.0636	40.5080	1.5072	59.0787
2014	6,610.00	16.9198	37.9989	1.7280	56.6468
2015	6,712.89	15.5298	47.0234	1.6191	64.1723
2016	6,959.72	16.3201	37.5778	1.5411	55.4389
2017	7,076.45	21.0076	40.9176	2.2631	64.1883
2018	7,391.93	17.8579	36.1340	1.8694	55.8613
2019	7,558.68	17.3655	38.7443	2.1154	58.2252
2020	7,864.70	21.0660	42.7928	2.6177	66.4766
2021	7,876.91	25.0361	50.8696	3.3665	79.2721
2022	<u>8,327.14</u>	22.6378	45.9363	3.1633	71.7374
TOTALS	180,216.48				

NOTES BY COLUMN:

- (1) FROM COMMONWEALTH OF VIRGINIA.
(2) EXH. WC TOTAL-7B COL. (3) TRENDED TO 2022 COST LEVEL USING -1.3% ANNUAL TREND.
(3) EXH. WC TOTAL-7B COL. (4) TRENDED TO 2022 COST LEVEL USING -1.6% ANNUAL TREND.
(4) EXH. WC TOTAL-7B COL. (5) TRENDED TO 2022 COST LEVEL USING 0.0% ANNUAL TREND.
(5) COL. (2) + COL. (3) + COL. (4).

SEVERITY DOLLARS IN THOUSANDS.

NOTE SEVERITY IN 2022 DOLLARS REPRESENTS THE ESTIMATED COST OF EACH YEAR'S CLAIMS IF THEY WERE RE-STATED REFLECTING AN ADJUSTMENT FOR WORKERS COMPENSATION INFLATION (USING -1.3%, -1.6%, AND 0.0% TREND FOR INDEMNITY, MEDICAL, AND EXPENSE, RESPECTIVELY). THE TRENDS ARE BASED ON DATA PUBLISHED BY NCCI.

**COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - TOTAL**

**ACTUAL DEVELOPMENT VERSUS EXPECTED DEVELOPMENT
JUNE 30, 2021 TO JUNE 30, 2022**

I. INCURRED LOSSES (\$000's)

ACCIDENT YEAR ENDING 6/30	ULTIMATE LOSSES AT 6/30/21	PROJECTED IBNR AT 6/30/21	CUMULATIVE INCURRED DEV'T FACTOR AT 6/30/21	INCURRED LOSSES AT 6/30/21	INCURRED LOSSES AT 6/30/22	EXPECTED INCURRED DEV'T	ACTUAL INCURRED DEV'T	ACTUAL MINUS EXPECTED INCURRED DEV'T	ULTIMATE LOSSES AT 6/30/22	CHANGE IN ULTIMATE LOSSES
1987	34,590	302	N/A	34,288	34,295	59	7	(53)	34,523	(67)
1988	46,983	603	N/A	46,381	47,922	137	1,541	1,405	48,352	1,369
1989	39,135	538	N/A	38,597	38,851	115	254	140	39,191	56
1990	51,300	859	N/A	50,441	48,970	158	(1,471)	(1,628)	49,493	(1,806)
1991	54,916	1,237	N/A	53,679	52,397	211	(1,282)	(1,493)	53,102	(1,814)
1992	56,404	1,391	N/A	55,013	54,391	227	(622)	(849)	55,173	(1,230)
1993	66,438	2,080	N/A	64,357	63,938	289	(420)	(709)	65,096	(1,342)
1994	69,975	2,506	N/A	67,469	66,122	327	(1,347)	(1,673)	67,428	(2,547)
1995	53,462	2,106	N/A	51,356	50,248	242	(1,107)	(1,349)	51,345	(2,117)
1996	61,801	2,908	N/A	58,893	57,522	321	(1,371)	(1,692)	59,002	(2,799)
1997	64,347	3,335	N/A	61,013	60,784	329	(229)	(558)	62,481	(1,866)
1998	61,810	3,416	N/A	58,394	58,069	325	(325)	(650)	59,864	(1,946)
1999	58,758	3,826	N/A	54,932	53,246	331	(1,687)	(2,017)	55,211	(3,548)
2000	59,328	4,043	N/A	55,285	54,816	318	(469)	(787)	56,963	(2,365)
2001	73,141	5,052	N/A	68,089	65,849	388	(2,240)	(2,628)	68,307	(4,834)
2002	60,391	5,192	N/A	55,200	54,833	370	(367)	(736)	57,224	(3,167)
2003	70,958	8,884	N/A	62,074	61,022	584	(1,052)	(1,637)	63,808	(7,149)
2004	73,018	7,021	N/A	65,997	64,735	435	(1,262)	(1,698)	68,293	(4,725)
2005	61,796	6,195	N/A	55,601	55,808	377	208	(169)	59,061	(2,735)
2006	77,419	8,669	N/A	68,750	67,298	572	(1,452)	(2,025)	71,685	(5,734)
2007	66,086	7,692	N/A	58,394	58,312	510	(82)	(591)	62,488	(3,597)
2008	74,747	9,921	N/A	64,826	64,529	689	(296)	(986)	69,610	(5,137)
2009	55,237	10,100	N/A	45,137	44,810	711	(327)	(1,038)	47,887	(7,351)
2010	74,925	14,302	N/A	60,623	59,676	996	(947)	(1,943)	64,454	(10,471)
2011	70,178	11,315	N/A	58,863	60,056	773	1,193	420	65,567	(4,611)
2012	73,975	14,576	N/A	59,399	58,261	956	(1,138)	(2,094)	63,722	(10,253)
2013	72,051	12,412	N/A	59,639	57,630	788	(2,009)	(2,797)	63,288	(8,763)
2014	69,882	15,301	N/A	54,580	53,814	975	(766)	(1,741)	59,871	(10,011)
2015	71,495	11,975	N/A	59,519	62,744	883	3,224	2,342	69,224	(2,273)
2016	66,311	17,163	N/A	49,149	48,135	1,590	(1,013)	(2,603)	55,343	(10,968)
2017	66,148	19,387	N/A	46,762	47,726	2,291	964	(1,327)	55,556	(10,593)
2018	62,262	23,817	N/A	38,445	40,037	4,662	1,592	(3,070)	49,556	(12,706)
2019	60,003	29,142	N/A	30,861	33,072	7,333	2,210	(5,123)	45,982	(14,022)
2020	61,076	37,348	N/A	23,728	30,688	8,597	6,960	(1,637)	48,513	(12,562)
2021	62,301	40,545	N/A	21,756	27,715	5,044	5,959	915	51,148	(11,153)
2022	66,571	66,571	N/A	0	19,891	26,804	19,891	(6,914)	49,212	(17,359)
Total	2,269,219	411,728		1,857,491	1,878,212	69,716	20,721	(48,995)	2,067,022	(202,197)

II. PAID LOSSES (\$000's)

ACCIDENT YEAR ENDING 6/30	ULTIMATE LOSSES AT 6/30/21	PROJECTED RESERVE AT 6/30/21	CUMULATIVE PAID DEV'T FACTOR AT 6/30/21	PAID LOSSES AT 6/30/21	PAID LOSSES AT 6/30/22	EXPECTED PAID DEV'T	ACTUAL PAID DEV'T	ACTUAL MINUS EXPECTED PAID DEV'T	ULTIMATE LOSSES AT 6/30/22	CHANGE IN ULTIMATE LOSSES
1987	34,590	2,317	N/A	32,274	32,368	63	95	32	34,523	(67)
1988	46,983	7,424	N/A	39,559	39,894	384	335	(49)	48,352	1,369
1989	39,135	2,818	N/A	36,317	36,479	152	162	10	39,191	56
1990	51,300	5,304	N/A	45,996	46,274	321	278	(43)	49,493	(1,806)
1991	54,916	7,147	N/A	47,769	47,933	432	164	(268)	53,102	(1,814)
1992	56,404	6,746	N/A	49,658	49,862	393	204	(189)	55,173	(1,230)
1993	66,438	13,652	N/A	52,786	53,833	754	1,047	293	65,096	(1,342)
1994	69,975	13,127	N/A	56,847	57,287	680	440	(241)	67,428	(2,547)
1995	53,462	11,286	N/A	42,176	42,563	645	387	(258)	51,345	(2,117)
1996	61,801	14,684	N/A	47,117	47,555	804	438	(366)	59,002	(2,799)
1997	64,347	16,255	N/A	48,092	48,631	848	539	(309)	62,481	(1,866)
1998	61,810	12,890	N/A	48,920	49,273	667	353	(314)	59,864	(1,946)
1999	58,758	15,595	N/A	43,163	43,542	747	379	(387)	55,211	(3,548)
2000	59,328	15,176	N/A	44,153	44,818	747	665	(81)	56,963	(2,365)
2001	73,141	18,146	N/A	54,995	55,397	797	402	(395)	68,307	(4,834)
2002	60,391	15,227	N/A	45,164	45,750	690	585	(105)	57,224	(3,167)
2003	70,958	18,543	N/A	52,415	52,714	762	299	(463)	63,808	(7,149)
2004	73,018	23,382	N/A	49,637	50,276	967	640	(328)	68,293	(4,725)
2005	61,796	18,954	N/A	42,842	43,277	762	435	(327)	59,061	(2,735)
2006	77,419	25,997	N/A	51,423	52,191	1,065	769	(296)	71,685	(5,734)
2007	66,086	20,439	N/A	45,647	46,124	798	477	(321)	62,488	(3,597)
2008	74,747	29,059	N/A	45,688	46,727	1,150	1,039	(111)	69,610	(5,137)
2009	55,237	17,522	N/A	37,715	38,473	682	758	76	47,887	(7,351)
2010	74,925	25,152	N/A	49,773	50,238	1,004	465	(539)	64,454	(10,471)
2011	70,178	23,255	N/A	46,923	47,662	930	739	(191)	65,567	(4,611)
2012	73,975	29,439	N/A	44,536	45,526	1,411	991	(420)	63,722	(10,253)
2013	72,051	29,936	N/A	42,115	44,024	1,928	1,910	(18)	63,288	(8,763)
2014	69,882	28,889	N/A	40,992	42,327	1,840	1,335	(505)	59,871	(10,011)
2015	71,495	33,375	N/A	38,120	39,836	2,056	1,716	(340)	69,224	(2,273)
2016	66,311	29,757	N/A	36,555	37,909	1,879	1,354	(525)	55,343	(10,968)
2017	66,148	35,538	N/A	30,610	32,638	2,335	2,028	(307)	55,556	(10,593)
2018	62,262	37,109	N/A	25,152	27,358	2,874	2,205	(668)	49,556	(12,706)
2019	60,003	41,848	N/A	18,155	20,664	3,237	2,509	(728)	45,982	(14,022)
2020	61,076	46,575	N/A	14,501	17,636	4,022	3,136	(886)	48,513	(12,562)
2021	62,301	54,939	N/A	7,362	15,459	7,841	8,097	256	51,148	(11,153)
2022	66,571	66,571	N/A	0	6,549	9,231	6,549	(2,683)	49,212	(17,359)
Total	2,269,219	814,072		1,455,146	1,499,070	55,918	43,924	(11,994)	2,067,022	(202,197)

NOTE: ALL DOLLARS ARE IN THOUSANDS

COMMONWEALTH OF VIRGINIA
 DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
 OFFICE OF WORKERS' COMPENSATION
 SELF INSURANCE FUND
 REVIEW AS OF JUNE 30, 2022
 WORKERS' COMPENSATION - MEDICAL

ACTUAL DEVELOPMENT VERSUS EXPECTED DEVELOPMENT
 JUNE 30, 2021 TO JUNE 30, 2022

I. INCURRED LOSSES (\$000's)

ACCIDENT YEAR ENDING 6/30	ULTIMATE LOSSES AT 6/30/21	PROJECTED IBNR AT 6/30/21	CUMULATIVE INCURRED DEVT FACTOR AT 6/30/21	INCURRED LOSSES AT 6/30/21	INCURRED LOSSES AT 6/30/22	EXPECTED INCURRED DEVT	ACTUAL INCURRED DEVT	ACTUAL MINUS EXPECTED INCURRED DEVT	ULTIMATE LOSSES AT 6/30/22	CHANGE IN ULTIMATE LOSSES
1987	21,449	277	1.0131	21,171	21,156	39	(15)	(54)	21,368	(81)
1988	30,953	512	1.0168	30,440	31,946	112	1,506	1,394	32,311	1,358
1989	21,268	442	1.0212	20,826	21,077	90	251	161	21,357	88
1990	29,379	752	1.0263	28,627	27,350	141	(1,277)	(1,418)	27,773	(1,606)
1991	34,398	1,066	1.0320	33,331	32,029	186	(1,302)	(1,489)	32,604	(1,793)
1992	34,142	1,268	1.0386	32,874	32,242	209	(632)	(841)	32,912	(1,229)
1993	45,770	1,978	1.0452	43,792	43,443	278	(350)	(628)	44,487	(1,283)
1994	47,567	2,369	1.0524	45,198	43,821	313	(1,378)	(1,691)	45,017	(2,551)
1995	34,887	1,966	1.0597	32,922	31,657	228	(1,265)	(1,493)	32,634	(2,254)
1996	44,624	2,828	1.0677	41,796	40,335	314	(1,461)	(1,775)	41,723	(2,901)
1997	46,284	3,256	1.0757	43,027	42,765	323	(263)	(586)	44,402	(1,882)
1998	41,642	3,240	1.0844	38,402	38,075	311	(326)	(637)	39,681	(1,961)
1999	42,783	3,645	1.0931	39,138	37,430	316	(1,707)	(2,024)	39,167	(3,617)
2000	40,189	3,719	1.1020	36,470	35,959	295	(511)	(806)	37,778	(2,411)
2001	47,771	4,793	1.1115	42,977	40,744	372	(2,234)	(2,606)	42,978	(4,792)
2002	39,397	4,768	1.1212	34,630	34,195	341	(434)	(775)	36,227	(3,171)
2003	49,094	8,607	1.1309	40,486	39,433	570	(1,054)	(1,623)	41,956	(7,138)
2004	52,802	6,511	1.1407	46,291	45,046	401	(1,245)	(1,646)	48,135	(4,667)
2005	43,076	5,658	1.1512	37,418	37,468	346	50	(296)	40,211	(2,865)
2006	56,193	7,910	1.1638	48,284	46,803	529	(1,480)	(2,010)	50,461	(5,733)
2007	46,256	7,158	1.1779	39,098	38,942	487	(156)	(643)	42,503	(3,753)
2008	55,948	9,099	1.1942	46,850	46,424	648	(426)	(1,074)	50,629	(5,319)
2009	39,955	9,699	1.2121	30,256	30,068	685	(188)	(873)	33,018	(6,937)
2010	55,364	13,641	1.2316	41,723	40,776	950	(947)	(1,896)	45,111	(10,254)
2011	53,168	10,732	1.2529	42,436	43,635	733	1,200	467	48,661	(4,507)
2012	54,355	13,680	1.2745	40,675	39,312	861	(1,363)	(2,224)	44,216	(10,139)
2013	52,808	11,355	1.2966	41,453	38,640	661	(2,813)	(3,474)	43,835	(8,973)
2014	50,028	13,911	1.3189	36,117	35,447	753	(670)	(1,424)	40,558	(9,470)
2015	52,851	10,393	1.3449	42,458	45,705	594	3,247	2,653	51,081	(1,770)
2016	48,228	15,319	1.3853	32,908	31,962	1,193	(947)	(2,139)	37,780	(10,448)
2017	46,477	17,612	1.4546	28,865	28,782	1,937	(83)	(2,020)	35,661	(10,816)
2018	44,421	20,882	1.5927	23,540	24,476	3,347	936	(2,411)	32,228	(12,194)
2019	43,235	23,796	1.8413	19,439	21,312	4,414	1,873	(2,541)	30,720	(12,515)
2020	42,967	28,437	2.1941	14,529	18,724	4,563	4,194	(369)	31,319	(11,648)
2021	44,401	29,126	2.4112	15,275	17,412	2,042	2,137	95	32,871	(11,530)
2022	<u>48,810</u>	<u>48,810</u>		<u>0</u>	<u>13,458</u>	<u>20,243</u>	<u>13,458</u>	<u>(6,784)</u>	<u>31,512</u>	<u>(17,297)</u>
Total	1,582,939	349,217		1,233,722	1,238,049	49,826	4,327	(45,498)	1,384,883	(198,056)

II. PAID LOSSES (\$000's)

ACCIDENT YEAR ENDING 6/30	ULTIMATE LOSSES AT 6/30/21	PROJECTED RESERVE AT 6/30/21	CUMULATIVE PAID DEVT FACTOR AT 6/30/21	PAID LOSSES AT 6/30/21	PAID LOSSES AT 6/30/22	EXPECTED PAID DEVT	ACTUAL PAID DEVT	ACTUAL MINUS EXPECTED PAID DEVT	ULTIMATE LOSSES AT 6/30/22	CHANGE IN ULTIMATE LOSSES
1987	21,449	2,275	1.2000	19,174	19,265	57	91	34	21,368	(81)
1988	30,953	7,051	1.2120	23,902	24,216	333	315	(18)	32,311	1,358
1989	21,268	2,722	1.2244	18,547	18,709	124	162	39	21,357	88
1990	29,379	4,607	1.2385	24,772	25,013	223	241	18	27,773	(1,606)
1991	34,398	6,666	1.2545	27,731	27,866	339	134	(205)	32,604	(1,793)
1992	34,142	6,546	1.2735	27,596	27,793	362	197	(165)	32,912	(1,229)
1993	45,770	13,083	1.2928	32,687	33,693	676	1,006	329	44,487	(1,283)
1994	47,567	12,528	1.3124	35,040	35,450	607	411	(196)	45,017	(2,551)
1995	34,887	10,466	1.3357	24,421	24,739	556	317	(238)	32,634	(2,254)
1996	44,624	14,580	1.3621	30,044	30,467	794	423	(371)	41,723	(2,901)
1997	46,284	16,141	1.3897	30,143	30,674	838	531	(307)	44,402	(1,882)
1998	41,642	12,383	1.4185	29,259	29,560	614	301	(313)	39,681	(1,961)
1999	42,783	15,069	1.4487	27,714	28,057	715	343	(372)	39,167	(3,617)
2000	40,189	14,082	1.4804	26,107	26,726	641	619	(22)	37,778	(2,411)
2001	47,771	17,733	1.5136	30,037	30,424	774	387	(387)	42,978	(4,792)
2002	39,397	13,953	1.5484	25,444	25,985	585	541	(45)	36,227	(3,171)
2003	49,094	18,130	1.5856	30,963	31,252	743	289	(454)	41,956	(7,138)
2004	52,802	22,342	1.6252	30,460	31,078	893	618	(276)	48,135	(4,667)
2005	43,076	18,039	1.6674	25,036	25,441	703	405	(298)	40,211	(2,865)
2006	56,193	24,574	1.7141	31,619	32,335	964	716	(248)	50,461	(5,733)
2007	46,256	19,808	1.7656	26,448	26,913	776	465	(311)	42,503	(3,753)
2008	55,948	27,337	1.8203	28,611	29,564	1,033	953	(80)	50,629	(5,319)
2009	39,955	16,890	1.8804	23,065	23,782	633	716	83	33,018	(6,937)
2010	55,364	24,094	1.9443	31,270	31,703	868	433	(435)	45,111	(10,254)
2011	53,168	22,373	2.0123	30,795	31,402	774	607	(166)	48,661	(4,507)
2012	54,355	27,690	2.0848	26,665	27,109	919	444	(475)	44,216	(10,139)
2013	52,808	27,068	2.1619	25,740	26,561	862	822	(40)	43,835	(8,973)
2014	50,028	24,960	2.2441	25,068	25,452	762	384	(378)	40,558	(9,470)
2015	52,851	28,253	2.3466	24,598	25,243	958	645	(313)	51,081	(1,770)
2016	48,228	24,152	2.4639	24,075	24,577	825	501	(324)	37,780	(10,448)
2017	46,477	27,439	2.6191	19,038	19,699	1,068	661	(407)	35,661	(10,816)
2018	44,421	27,843	2.8418	16,578	17,276	1,285	698	(587)	32,228	(12,194)
2019	43,235	30,760	3.1315	12,474	13,512	1,471	1,037	(434)	30,720	(12,515)
2020	42,967	33,238	3.6952	9,729	11,093	2,220	1,364	(856)	31,319	(11,648)
2021	44,401	39,306	6.6513	5,094	10,084	5,564	4,989	(575)	32,871	(11,530)
2022	<u>48,810</u>	<u>48,810</u>		<u>0</u>	<u>4,443</u>	<u>7,338</u>	<u>4,443</u>	<u>(2,896)</u>	<u>31,512</u>	<u>(17,297)</u>
Total	1,582,939	702,992		879,947	907,155	38,898	27,208	(11,690)	1,384,883	(198,056)

NOTE: ALL DOLLARS ARE IN THOUSANDS

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - INDEMNITY

ACTUAL DEVELOPMENT VERSUS EXPECTED DEVELOPMENT
JUNE 30, 2021 TO JUNE 30, 2022

I. INCURRED LOSSES (\$000's)

ACCIDENT YEAR ENDING 6/30	ULTIMATE LOSSES AT 6/30/21	PROJECTED IBNR AT 6/30/21	CUMULATIVE INCURRED DEV'T FACTOR AT 6/30/21	INCURRED LOSSES AT 6/30/21	INCURRED LOSSES AT 6/30/22	EXPECTED INCURRED DEV'T	ACTUAL INCURRED DEV'T	ACTUAL MINUS EXPECTED INCURRED DEV'T	ULTIMATE LOSSES AT 6/30/22	CHANGE IN ULTIMATE LOSSES
1987	12,314	0	1.0015	12,314	12,314	0	0	0	12,314	0
1988	14,814	25	1.0017	14,790	14,814	2	24	22	14,836	22
1989	16,646	0	1.0018	16,646	16,646	0	0	0	16,646	0
1990	20,975	42	1.0020	20,933	20,739	3	(194)	(197)	20,777	(197)
1991	19,524	51	1.0022	19,473	19,473	4	0	(4)	19,523	(1)
1992	21,103	0	1.0024	21,103	21,103	0	0	0	21,103	0
1993	20,135	65	1.0026	20,070	20,077	6	7	1	20,138	3
1994	22,162	81	1.0028	22,081	22,092	7	11	4	22,169	7
1995	18,244	57	1.0031	18,187	18,321	5	134	129	18,373	129
1996	16,866	1	1.0034	16,864	16,864	0	0	(0)	16,866	0
1997	17,740	0	1.0038	17,740	17,740	0	0	0	17,740	0
1998	19,762	89	1.0041	19,673	19,673	8	0	(8)	19,753	(9)
1999	15,470	79	1.0046	15,390	15,403	7	13	5	15,476	6
2000	18,438	92	1.0050	18,346	18,346	9	0	(9)	18,429	(9)
2001	24,351	0	1.0055	24,351	24,351	0	1	1	24,352	1
2002	19,992	132	1.0061	19,860	19,892	12	32	20	20,014	22
2003	20,825	0	1.0069	20,825	20,825	0	0	0	20,825	0
2004	19,060	186	1.0076	18,874	18,874	19	0	(19)	19,040	(20)
2005	17,383	145	1.0084	17,238	17,392	13	154	140	17,525	142
2006	19,556	246	1.0092	19,310	19,298	20	(12)	(32)	19,520	(36)
2007	18,008	0	1.0099	18,008	18,008	0	0	0	18,008	0
2008	17,074	274	1.0107	16,800	16,801	19	1	(18)	17,049	(24)
2009	14,162	148	1.0115	14,014	13,865	10	(149)	(159)	13,865	(297)
2010	17,963	287	1.0125	17,676	17,676	22	(0)	(23)	17,917	(46)
2011	15,657	401	1.0135	15,256	15,269	29	12	(17)	15,561	(96)
2012	18,234	620	1.0154	17,614	17,862	78	248	169	18,237	4
2013	17,793	802	1.0180	16,991	17,765	112	774	662	18,039	247
2014	18,227	1,081	1.0215	17,146	16,985	176	(160)	(336)	17,689	(538)
2015	17,025	1,268	1.0266	15,757	15,703	238	(54)	(292)	16,567	(458)
2016	16,691	1,469	1.0349	15,223	15,084	337	(139)	(476)	16,155	(537)
2017	18,066	1,304	1.0452	16,761	17,578	289	816	528	18,073	7
2018	16,187	2,291	1.1001	13,896	14,479	1,202	582	(619)	15,763	(424)
2019	15,039	4,445	1.2964	10,594	10,909	2,676	315	(2,361)	13,662	(1,377)
2020	16,025	7,631	1.7956	8,393	11,109	3,693	2,715	(978)	15,338	(687)
2021	15,625	9,802	2.5587	5,823	9,439	2,673	3,615	943	16,136	511
2022	<u>15,604</u>	<u>15,604</u>		<u>0</u>	<u>5,912</u>	<u>6,098</u>	<u>5,912</u>	<u>(186)</u>	<u>15,530</u>	<u>(74)</u>
Total	642,738	48,718		594,021	608,678	17,768	14,658	(3,110)	639,008	(3,730)

II. PAID LOSSES (\$000's)

ACCIDENT YEAR ENDING 6/30	ULTIMATE LOSSES AT 6/30/21	PROJECTED RESERVE AT 6/30/21	CUMULATIVE PAID DEV'T FACTOR AT 6/30/21	PAID LOSSES AT 6/30/21	PAID LOSSES AT 6/30/22	EXPECTED PAID DEV'T	ACTUAL PAID DEV'T	ACTUAL MINUS EXPECTED PAID DEV'T	ULTIMATE LOSSES AT 6/30/22	CHANGE IN ULTIMATE LOSSES
1987	12,314	0	1.0030	12,314	12,314	0	0	0	12,314	0
1988	14,814	295	1.0032	14,520	14,537	18	17	(1)	14,836	22
1989	16,646	0	1.0035	16,646	16,646	0	0	0	16,646	0
1990	20,975	573	1.0040	20,402	20,431	70	29	(41)	20,777	(197)
1991	19,524	329	1.0050	19,195	19,210	65	15	(50)	19,523	(1)
1992	21,103	0	1.0059	21,103	21,103	0	0	0	21,103	0
1993	20,135	239	1.0069	19,896	19,921	34	25	(9)	20,138	3
1994	22,162	517	1.0079	21,645	21,666	64	21	(42)	22,169	7
1995	18,244	673	1.0089	17,571	17,629	74	59	(15)	18,373	129
1996	16,866	4	1.0100	16,861	16,861	0	0	(0)	16,866	0
1997	17,740	0	1.0112	17,740	17,740	0	0	0	17,740	0
1998	19,762	361	1.0127	19,401	19,444	41	42	1	19,753	(9)
1999	15,470	358	1.0143	15,112	15,142	39	30	(9)	15,476	6
2000	18,438	818	1.0161	17,620	17,654	89	34	(55)	18,429	(9)
2001	24,351	0	1.0181	24,351	24,351	0	0	0	24,352	1
2002	19,992	864	1.0201	19,128	19,162	84	34	(50)	20,014	22
2003	20,825	0	1.0220	20,825	20,825	0	0	0	20,825	0
2004	19,060	640	1.0242	18,420	18,438	57	18	(39)	19,040	(20)
2005	17,383	484	1.0266	16,899	16,926	43	27	(15)	17,525	142
2006	19,556	873	1.0294	18,683	18,726	81	43	(38)	19,520	(36)
2007	18,008	0	1.0325	18,008	18,008	0	0	0	18,008	0
2008	17,074	1,104	1.0358	15,970	16,037	97	67	(30)	17,049	(24)
2009	14,162	331	1.0398	13,831	13,863	32	32	(0)	13,865	(297)
2010	17,963	644	1.0487	17,319	17,341	114	22	(91)	17,917	(46)
2011	15,657	595	1.0649	15,062	15,176	141	114	(27)	15,561	(96)
2012	18,234	1,326	1.1029	16,908	17,443	459	535	76	18,237	4
2013	17,793	2,365	1.1934	15,428	16,467	1,004	1,040	36	18,039	247
2014	18,227	3,346	1.3008	14,881	15,770	1,001	888	(113)	17,689	(538)
2015	17,025	4,315	1.4308	12,710	13,692	1,001	982	(19)	16,567	(458)
2016	16,691	4,998	1.6003	11,694	12,482	986	788	(198)	16,155	(537)
2017	18,066	7,281	1.8094	10,784	12,022	1,175	1,237	62	18,073	7
2018	16,187	8,228	2.1924	7,959	9,368	1,461	1,409	(51)	15,763	(424)
2019	15,039	9,851	2.8611	5,188	6,563	1,614	1,375	(240)	13,662	(1,377)
2020	16,025	11,696	4.0498	4,329	5,969	1,593	1,640	47	15,338	(687)
2021	15,625	13,548	8.8903	2,077	4,879	2,052	2,803	750	16,136	511
2022	<u>15,604</u>	<u>15,604</u>		<u>0</u>	<u>2,938</u>	<u>1,755</u>	<u>1,938</u>	<u>183</u>	<u>15,530</u>	<u>(74)</u>
Total	642,738	92,258		550,480	565,745	15,246	15,265	19	639,008	(3,730)

NOTE: ALL DOLLARS ARE IN THOUSANDS

**COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - EXPENSE**

**ACTUAL DEVELOPMENT VERSUS EXPECTED DEVELOPMENT
JUNE 30, 2021 TO JUNE 30, 2022**

I. INCURRED LOSSES (\$000's)

ACCIDENT YEAR ENDING 6/30	ULTIMATE EXPENSE AT 6/30/21	PROJECTED IBNR AT 6/30/21	CUMULATIVE INCURRED DEV'T FACTOR AT 6/30/21	INCURRED EXPENSE AT 6/30/21	INCURRED EXPENSE AT 6/30/22	EXPECTED INCURRED DEV'T	ACTUAL INCURRED DEV'T	ACTUAL MINUS EXPECTED INCURRED DEV'T	ULTIMATE EXPENSE AT 6/30/22	CHANGE IN ULTIMATE EXPENSE
1987	827	24	1.0300	803	825	20	22	2	841	14
1988	1,216	66	1.0468	1,151	1,162	23	11	(11)	1,205	(12)
1989	1,221	96	1.0641	1,125	1,129	25	4	(21)	1,189	(32)
1990	946	65	1.0818	881	880	13	(0)	(14)	943	(3)
1991	995	119	1.1000	875	895	20	20	(0)	975	(20)
1992	1,159	123	1.1187	1,036	1,046	18	10	(8)	1,158	(1)
1993	532	38	1.1379	495	418	5	(77)	(82)	470	(62)
1994	246	57	1.1577	189	209	6	20	14	243	(3)
1995	331	84	1.1780	247	271	8	24	15	339	8
1996	311	78	1.1988	233	323	7	90	84	413	102
1997	324	78	1.2203	246	280	6	34	28	339	15
1998	406	87	1.2423	319	321	6	1	(5)	429	23
1999	505	101	1.2650	404	412	7	8	1	568	63
2000	702	232	1.2883	470	511	15	42	27	755	54
2001	1,020	259	1.3123	761	754	15	(7)	(23)	977	(42)
2002	1,002	292	1.3370	710	745	16	35	19	984	(18)
2003	1,039	276	1.3625	763	764	14	1	(13)	1,028	(11)
2004	1,156	324	1.3886	833	816	16	(17)	(33)	1,118	(38)
2005	1,337	393	1.4156	945	949	18	4	(14)	1,326	(11)
2006	1,670	513	1.4433	1,157	1,197	23	40	17	1,705	35
2007	1,821	534	1.4719	1,287	1,361	22	74	52	1,977	156
2008	1,725	549	1.5013	1,176	1,304	22	128	106	1,932	207
2009	1,120	252	1.1239	868	878	17	10	(6)	1,004	(116)
2010	1,598	373	1.1336	1,224	1,224	24	(1)	(24)	1,427	(171)
2011	1,352	182	1.1438	1,171	1,152	11	(19)	(30)	1,345	(7)
2012	1,386	276	1.1547	1,110	1,088	17	(22)	(39)	1,269	(118)
2013	1,451	256	1.1662	1,195	1,225	15	30	14	1,414	(37)
2014	1,626	309	1.2011	1,317	1,382	46	64	18	1,624	(2)
2015	1,619	314	1.2498	1,305	1,337	51	31	(20)	1,574	(45)
2016	1,392	374	1.3123	1,018	1,090	60	72	12	1,409	16
2017	1,606	471	1.3814	1,136	1,366	65	231	166	1,822	216
2018	1,653	644	1.5045	1,009	1,082	114	74	(40)	1,565	(88)
2019	1,730	901	1.8469	828	850	242	22	(220)	1,599	(130)
2020	2,084	1,279	2.6700	805	856	341	51	(290)	1,856	(228)
2021	2,275	1,618	4.6563	658	864	329	206	(123)	2,141	(134)
2022	<u>2,158</u>	<u>2,158</u>		<u>0</u>	<u>520</u>	<u>463</u>	<u>520</u>	<u>57</u>	<u>2,170</u>	<u>12</u>
Total	43,542	13,794		29,748	31,485	2,123	1,736	(387)	43,131	(411)

II. PAID LOSSES (\$000's)

ACCIDENT YEAR ENDING 6/30	ULTIMATE EXPENSE AT 6/30/21	PROJECTED RESERVE AT 6/30/21	CUMULATIVE PAID DEV'T FACTOR AT 6/30/21	PAID EXPENSE AT 6/30/21	PAID EXPENSE AT 6/30/22	EXPECTED PAID DEV'T	ACTUAL PAID DEV'T	ACTUAL MINUS EXPECTED PAID DEV'T	ULTIMATE EXPENSE AT 6/30/22	CHANGE IN ULTIMATE EXPENSE
1987	827	41	1.0403	786	790	6	4	(2)	841	14
1988	1,216	79	1.0725	1,138	1,141	34	3	(30)	1,205	(12)
1989	1,221	96	1.1065	1,125	1,125	29	0	(29)	1,189	(32)
1990	946	124	1.1425	822	831	28	9	(20)	943	(3)
1991	995	152	1.1807	842	858	28	15	(13)	975	(20)
1992	1,159	200	1.2211	959	966	31	7	(24)	1,158	(1)
1993	532	330	1.2641	203	219	44	16	(28)	470	(62)
1994	246	83	1.3097	163	171	10	8	(2)	243	(3)
1995	331	147	1.3582	184	195	15	11	(4)	339	8
1996	311	100	1.4097	211	227	9	16	6	413	102
1997	324	115	1.4647	209	218	10	8	(1)	339	15
1998	406	147	1.5233	259	269	11	10	(1)	429	23
1999	505	168	1.5842	337	343	12	5	(6)	568	63
2000	702	276	1.6476	426	438	17	12	(5)	755	54
2001	1,020	413	1.7135	607	622	23	15	(8)	977	(42)
2002	1,002	410	1.7820	592	603	21	11	(10)	984	(18)
2003	1,039	412	1.8533	627	637	19	10	(9)	1,028	(11)
2004	1,156	400	1.9274	756	760	17	4	(13)	1,118	(38)
2005	1,337	431	2.0045	906	910	17	4	(14)	1,326	(11)
2006	1,670	550	2.0847	1,120	1,130	20	10	(10)	1,705	35
2007	1,821	631	2.1681	1,190	1,203	22	12	(9)	1,977	156
2008	1,725	618	2.2548	1,107	1,126	20	18	(2)	1,932	207
2009	1,120	301	1.3249	819	829	17	10	(7)	1,004	(116)
2010	1,598	414	1.3500	1,183	1,193	22	10	(13)	1,427	(171)
2011	1,352	286	1.3770	1,066	1,084	15	18	3	1,345	(7)
2012	1,386	423	1.4219	963	974	33	11	(22)	1,269	(118)
2013	1,451	503	1.5126	948	996	63	48	(14)	1,414	(37)
2014	1,626	584	1.6382	1,043	1,105	76	62	(14)	1,624	(2)
2015	1,619	807	1.7927	812	900	96	88	(8)	1,574	(45)
2016	1,392	607	1.9913	786	851	68	65	(3)	1,409	16
2017	1,606	818	2.2778	788	918	92	130	38	1,822	216
2018	1,653	1,038	2.7767	616	713	128	98	(30)	1,565	(88)
2019	1,730	1,237	3.6932	493	590	152	97	(54)	1,599	(130)
2020	2,084	1,641	6.0737	443	574	208	131	(77)	1,856	(228)
2021	2,275	2,084	15.6817	191	496	225	305	80	2,141	(134)
2022	<u>2,158</u>	<u>2,158</u>		<u>0</u>	<u>168</u>	<u>138</u>	<u>168</u>	<u>30</u>	<u>2,170</u>	<u>12</u>
Total	43,542	18,823		24,719	26,170	1,774	1,451	(323)	43,131	(411)

NOTE: ALL DOLLARS ARE IN THOUSANDS

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - TOTAL

MEDICAL COST INFLATION INDEX

CALENDAR YEAR	CPI - ALL MEDICAL CARE	PERCENT CHANGE	CPI MEDICAL CARE SERVICES	PERCENT CHANGE
1985	113.5		113.2	
1986	122.0	7.5%	121.9	7.7%
1987	130.1	6.6%	130.0	6.6%
1988	138.6	6.5%	138.3	6.4%
1989	149.3	7.7%	148.9	7.7%
1990	162.8	9.0%	162.7	9.3%
1991	177.0	8.7%	177.1	8.9%
1992	190.1	7.4%	190.5	7.6%
1993	201.4	5.9%	202.9	6.5%
1994	211.0	4.8%	213.4	5.2%
1995	220.5	4.5%	224.2	5.1%
1996	228.2	3.5%	232.4	3.7%
1997	234.6	2.8%	239.1	2.9%
1998	242.1	3.2%	246.8	3.2%
1999	250.6	3.5%	255.1	3.4%
2000	260.8	4.1%	266.0	4.3%
2001	272.8	4.6%	278.8	4.8%
2002	285.6	4.7%	292.9	5.1%
2003	297.1	4.0%	306.0	4.5%
2004	310.1	4.4%	321.3	5.0%
2005	323.2	4.2%	336.7	4.8%
2006	336.2	4.0%	350.6	4.1%
2007	351.1	4.4%	369.3	5.3%
2008	364.1	3.7%	384.9	4.2%
2009	375.6	3.2%	397.3	3.2%
2010	388.4	3.4%	411.2	3.5%
2011	400.3	3.0%	423.8	3.1%
2012	414.9	3.7%	440.3	3.9%
2013	425.1	2.5%	454.0	3.1%
2014	435.3	2.4%	464.8	2.4%
2015	446.8	2.6%	476.2	2.4%
2016	463.7	3.8%	494.8	3.9%
2017	475.3	2.5%	506.8	2.4%
2018	484.7	2.0%	517.8	2.2%
2019	498.4	2.8%	536.1	3.5%
2020	518.9	4.1%	562.6	4.9%
2021	525.3	1.2%	573.1	1.9%
2022	540.6	2.9%	590.7	3.1%
Trend 1985-2021		4.2%		4.4%
Trend 1992-2021		3.6%		3.9%
Trend 1997-2021		3.5%		3.8%

NOTES:
TREND IS BASED ON AN EXPONENTIAL ANALYSIS ON THE YEARS INDICATED.

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - TOTAL

AGE - TO - AGE INCURRED LOSS DEVELOPMENT FACTORS

Accident Period Ending 6/30	MONTHS FROM/TO																
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204
1987	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204	216
1987									0.9848	0.9832	0.9911	1.0073	1.0308	1.0012	1.0288	1.0175	
1988								0.9170	1.0025	1.0572	1.0490	0.9946	1.0093	1.0300	1.0216	1.0885	
1989							0.9900	1.0203	1.0028	0.9955	1.0008	0.9976	1.0228	1.0156	0.9987	1.0035	
1990							1.0253	1.0706	1.0252	1.0034	1.0234	1.0066	1.0292	1.0215	1.0300	1.0326	1.0146
1991						1.0680	1.0767	1.0294	1.0146	1.0161	1.0025	1.0133	1.0260	1.0270	1.0339	1.0113	1.0188
1992					1.0645	1.0866	1.0452	1.0249	1.0391	0.9978	1.0122	1.0465	1.0228	1.0170	1.0226	1.0655	1.0256
1993				1.1818	1.0222	1.0227	1.0276	1.0583	1.0147	1.0066	1.0061	1.0475	1.0296	1.0187	1.0479	1.0133	1.0515
1994			1.1882	1.0715	1.0241	1.0487	1.0548	1.0527	1.0152	1.0088	1.0164	1.0129	1.0116	1.0174	1.0348	1.0437	1.0134
1995		1.3064	1.0833	1.0521	1.0396	1.0644	1.0427	1.0357	1.0185	1.0420	1.0087	1.0495	1.0223	1.0397	1.0543	1.0278	1.0237
1996	1.7740	1.1341	1.0998	1.1315	1.1677	1.0429	1.0391	1.0497	1.0845	1.0134	1.0170	1.0246	1.0367	1.0194	1.0388	1.0716	1.1669
1997	1.3811	1.1730	1.2100	1.1365	1.0617	1.0377	1.0546	1.0747	1.0397	1.0257	1.0187	1.0451	1.0491	1.0591	1.0363	1.1652	0.9967
1998	1.3643	1.2106	1.1705	1.0934	1.0721	1.0441	1.0825	1.0488	1.0205	1.0399	1.0539	1.0190	1.0332	1.0153	1.0831	0.9985	1.0125
1999	1.3854	1.2218	1.1369	1.0947	1.0937	1.1303	1.0847	1.0514	1.0848	1.0205	1.0321	1.0867	1.0247	1.1808	0.9986	1.1686	1.0096
2000	1.3739	1.1800	1.1464	1.1110	1.1826	1.0987	1.0648	1.0903	1.0568	1.0897	1.0424	1.0932	1.0802	0.9918	1.0019	1.0326	0.9994
2001	1.4901	1.1517	1.1435	1.1626	1.1105	1.0880	1.0912	1.0555	1.0504	1.0457	1.0661	1.1209	1.0013	1.0283	1.0044	1.0099	1.0064
2002	1.4384	1.1630	1.1681	1.1359	1.0905	1.1085	1.1146	1.0258	1.0586	1.0262	1.1530	0.9676	1.0115	1.0258	1.0189	0.9909	0.9844
2003	1.2303	1.1784	1.1514	1.1346	1.1559	1.0811	1.1166	1.0906	1.0792	1.1433	0.9815	1.0150	0.9983	1.0321	0.9870	0.9712	0.9807
2004	1.2156	1.1661	1.1571	1.1548	1.1187	1.1298	1.1948	1.0738	1.2049	0.9833	1.0176	1.0193	0.9655	0.9850	1.0464	1.0034	0.9812
2005	1.1663	1.1538	1.1936	1.0977	1.1712	1.1372	1.0848	1.3007	1.0102	0.9825	0.9936	0.9954	1.0268	0.9245	1.0488	1.0027	1.0037
2006	1.2559	1.2558	1.1285	1.1045	1.1920	1.1585	1.3998	0.9921	0.9780	1.0128	1.0328	0.9992	1.0211	0.9919	0.9777	0.9789	
2007	1.2802	1.1189	1.1073	1.1698	1.1220	1.5202	1.0033	1.0018	0.9934	1.0310	0.9779	0.9798	0.9830	0.9944	0.9986		
2008	1.2816	1.1016	1.1009	1.1051	1.6420	0.9932	1.0078	0.9851	1.0646	1.0409	0.9749	1.0223	1.0738	0.9954			
2009	1.1269	1.0824	1.1452	1.7379	0.9891	1.0205	1.0189	0.9901	0.9925	0.9788	0.9743	0.9775	0.9928				
2010	1.1551	1.1700	1.9727	0.9880	1.0703	1.0866	0.9929	0.9746	0.9399	0.9784	0.9779	0.9844					
2011	1.0974	2.1140	1.0430	1.0305	1.0929	0.9784	0.9764	0.9835	0.9916	0.9621	1.0203						
2012	1.8040	1.0787	1.3343	1.1479	1.0462	1.0430	0.9976	0.9241	1.0117	0.9808							
2013	1.1384	1.2539	1.3054	1.1532	1.0069	1.0509	1.0400	0.9763	0.9663								
2014	1.3776	1.4521	1.2621	0.9475	1.0078	0.9763	0.9763	0.9860									
2015	1.3967	1.4521	1.1609	1.1134	1.0022	0.9641	1.0542										
2016	1.4008	1.2675	1.1840	1.0930	0.9031	0.9794											
2017	1.2171	1.2824	1.1644	1.0119	1.0206												
2018	1.1027	1.2524	1.0791	1.0414													
2019	1.1848	1.1608	1.0716														
2020	1.1576	1.2933															
2021	1.2739																
VOL WTD 3	1.2062	1.2338	1.1088	1.0504	0.9743	0.9727	1.0244	0.9608	0.9898	0.9738	0.9917	0.9960	1.0188	0.9938	1.0051	0.9944	0.9877
VOL WTD 4	1.1767	1.2475	1.1301	1.0687	0.9830	0.9922	1.0172	0.9667	0.9762	0.9748	0.9873	0.9916	1.0195	0.9781	1.0159	0.9884	0.9869
VOL WTD ALL	1.2900	1.2549	1.1912	1.1067	1.0800	1.0663	1.0589	1.0285	1.0247	1.0159	1.0165	1.0223	1.0185	1.0171	1.0222	1.0298	1.0174
ARITH 3	1.2055	1.2355	1.1050	1.0488	0.9753	0.9733	1.0235	0.9621	0.9898	0.9738	0.9908	0.9947	1.0165	0.9939	1.0084	0.9950	0.9885
ARITH 4	1.1798	1.2472	1.1248	1.0649	0.9834	0.9927	1.0170	0.9675	0.9774	0.9750	0.9869	0.9910	1.0177	0.9766	1.0179	0.9890	0.9875
ARITH ALL	1.3104	1.2452	1.1888	1.1232	1.0950	1.0754	1.0641	1.0360	1.0266	1.0162	1.0176	1.0236	1.0191	1.0204	1.0243	1.0318	1.0210
EXCL. HI - LO	1.2987	1.2159	1.1622	1.1049	1.0802	1.0615	1.0538	1.0297	1.0238	1.0131	1.0136	1.0218	1.0187	1.0171	1.0237	1.0276	1.0148

NOTES: BASED ON EXH. WC TOTAL-11

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - TOTAL

AGE - TO - AGE INCURRED LOSS DEVELOPMENT FACTORS

Accident Period Ending 6/30	MONTHS FROM/TO																		TAIL	
	216	228	240	252	264	276	288	300	312	324	336	348	360	372	384	396	408	420		432
1987	1.0608	1.0550	1.0384	1.0056	1.0167	1.0457	1.0066	1.0058	1.2869	0.8315	0.9960	1.0224	1.0071	0.9916	0.9937	1.0074	1.0046	1.0002		
1988	1.0014	1.0015	1.0194	1.0094	1.0304	1.0398	1.0334	1.1511	0.9675	1.0073	1.0170	1.0273	0.9889	0.9857	0.9748	1.0029	1.0332			
1989	1.0109	1.0073	1.0276	1.0006	1.0173	1.0492	1.0799	1.0002	0.9957	1.0084	1.0094	0.9985	0.9944	0.9839	0.9931	1.0066				
1990	1.0098	1.0500	1.0219	1.0284	1.0310	1.0756	1.0149	0.9920	1.0262	0.9762	1.0078	0.9841	0.9883	1.0038	0.9708					
1991	1.0467	1.0484	1.0270	1.0556	1.1206	0.9733	0.9953	1.0217	0.9982	1.0022	1.0154	0.9825	0.9992	0.9761						
1992	0.9851	1.0113	1.0174	1.0557	0.9856	1.0548	0.9991	1.0219	1.0251	0.9800	0.9989	0.9873	0.9887							
1993	1.0490	1.0392	1.1581	1.0000	0.9963	1.0342	1.0033	1.0273	1.0105	0.9756	0.9970	0.9935								
1994	1.0318	1.1047	0.9952	1.0318	1.0190	1.0010	0.9953	0.9736	1.0367	0.9886	0.9800									
1995	1.1726	1.0072	1.0272	1.0087	1.0085	1.0120	1.0031	0.9828	0.9798	0.9784										
1996	1.0004	1.0142	1.0205	1.0312	0.9879	0.9919	1.0287	0.9662	0.9767											
1997	1.0235	1.0405	1.0059	1.0012	1.0028	0.9985	0.9999	0.9963												
1998	1.0214	1.0086	1.0321	1.0453	0.9967	0.9661	0.9944													
1999	0.8821	0.9760	0.9919	1.0227	0.9710	0.9693														
2000	1.0191	0.9806	0.9798	0.9696	0.9915															
2001	1.0006	0.9956	0.9824	0.9671																
2002	1.0096	0.9884	0.9934																	
2003	0.9848	0.9830																		
2004	0.9809																			
2005																				
2006																				
2007																				
2008																				
2009																				
2010																				
2011																				
2012																				
2013																				
2014																				
2015																				
2016																				
2017																				
2018																				
2019																				
2020																				
2021																				
VOL WTD 3	0.9908	0.9893	0.9849	0.9849	0.9866	0.9783	1.0077	0.9817	0.9999	0.9812	0.9915	0.9881	0.9921	0.9880	0.9785	1.0054				---
VOL WTD 4	0.9935	0.9872	0.9865	0.9996	0.9908	0.9818	1.0066	0.9795	1.0028	0.9809	0.9968	0.9872	0.9926	0.9874	0.9816					---
VOL WTD ALL	1.0102	1.0163	1.0188	1.0147	1.0102	1.0119	1.0101	1.0089	1.0203	0.9749	1.0016	0.9973	0.9937	0.9881	0.9816	1.0054	1.0211	1.0002		---
ARITH 3	0.9918	0.9890	0.9852	0.9864	0.9864	0.9780	1.0077	0.9818	0.9977	0.9809	0.9920	0.9878	0.9921	0.9880	0.9796	1.0056				---
ARITH 4	0.9940	0.9869	0.9869	1.0012	0.9905	0.9815	1.0065	0.9797	1.0009	0.9807	0.9978	0.9869	0.9926	0.9874	0.9831					---
ARITH ALL	1.0161	1.0183	1.0211	1.0155	1.0125	1.0163	1.0128	1.0126	1.0303	0.9720	1.0027	0.9994	0.9944	0.9883	0.9831	1.0056	1.0189	1.0002		---
EXCL. HI - LO	1.0147	1.0154	1.0143	1.0162	1.0070	1.0154	1.0080	1.0024	1.0061	0.9869	1.0041	0.9972	0.9928	0.9871	0.9839	1.0066				---

NOTES: BASED ON EXH. WC TOTAL-11

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - TOTAL

INCURRED LOSS DEVELOPMENT

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204
1987										23,850	23,488	23,094	22,887	23,055	23,765	23,792	24,477
1988									31,000	28,427	28,497	30,126	31,603	31,433	31,727	32,680	33,387
1989								31,028	30,717	31,340	31,428	31,286	31,312	31,238	31,949	32,448	32,407
1990							31,169	31,958	34,215	35,078	35,199	36,022	36,259	37,319	38,122	39,267	40,547
1991						29,321	31,315	33,716	34,708	35,215	35,781	35,869	36,345	37,288	38,297	39,593	40,040
1992					30,900												
1993				28,839	34,082	34,839	35,631	36,612	38,748	39,319	39,578	39,818	41,710	42,943	43,744	45,838	46,449
1994			31,549	37,488	40,168	41,137	43,140	45,504	47,903	48,632	49,063	49,868	50,511	51,099	51,989	53,800	56,152
1995		18,059	23,592	25,557	26,890	27,955	29,756	31,026	32,135	32,729	34,103	34,401	36,105	36,911	38,375	40,457	41,581
1996	10,831	19,214	21,791	23,966	27,117	31,665	33,023	34,315	36,020	39,065	39,588	40,262	41,252	42,768	43,596	45,287	48,529
1997	13,453	18,581	21,795	26,373	29,972	31,822	33,022	34,823	37,425	38,910	39,908	40,656	42,491	44,578	47,214	48,929	57,013
1998	15,515	21,167	25,625	29,994	32,794	35,159	36,710	39,739	41,678	42,533	44,228	46,612	47,500	49,077	49,828	53,967	53,886
1999	12,323	17,072	20,860	23,715	25,961	28,394	32,094	34,813	36,603	39,706	40,519	41,821	45,448	46,569	54,988	54,909	64,166
2000	12,865	17,674	20,856	23,909	26,563	31,414	34,514	36,749	40,066	42,343	46,139	48,094	52,576	56,793	56,330	56,436	58,274
2001	15,885	23,671	27,262	31,174	36,243	40,246	43,789	47,784	50,436	52,980	55,402	59,062	66,202	66,287	68,160	68,461	69,137
2002	14,426	20,751	24,134	28,190	32,021	34,919	38,708	43,144	44,259	46,855	48,083	55,441	53,647	54,265	55,667	56,717	56,200
2003	18,369	22,599	26,630	30,663	34,790	40,213	43,474	48,541	52,939	57,134	65,322	64,116	65,076	64,963	67,048	66,179	64,271
2004	17,848	21,695	25,298	29,273	33,804	37,816	42,725	51,046	54,813	66,044	64,942	66,088	67,365	65,038	64,060	67,035	67,261
2005	17,121	19,968	23,040	27,501	30,188	35,358	40,210	43,618	56,734	57,314	56,313	55,954	55,696	57,188	52,870	55,452	55,601
2006	18,014	22,623	28,410	32,061	35,410	42,210	48,902	68,454	67,913	66,417	67,269	69,479	69,424	70,891	70,317	68,750	67,298
2007	19,136	24,497	27,409	30,351	35,504	39,836	60,558	60,759	60,869	60,465	62,338	60,963	59,734	58,720	58,394	58,312	
2008	19,654	25,188	27,748	30,547	33,758	55,430	55,054	55,482	54,656	58,189	60,571	59,052	60,371	64,826	64,529		
2009	19,736	22,240	24,073	27,569	47,913	47,389	48,362	49,276	48,787	48,420	47,393	46,176	45,137	44,810			
2010	22,741	26,269	30,735	60,632	59,904	64,115	69,666	69,169	67,413	63,361	61,992	60,623	59,676				
2011	24,096	26,443	55,902	58,307	60,084	65,665	64,250	62,732	61,700	61,179	58,863	60,056					
2012	19,582	35,325	38,105	50,844	58,366	61,062	63,685	63,533	58,714	59,399	58,261						
2013	25,832	29,408	36,873	48,133	55,509	55,891	58,737	61,084	59,639	57,630							
2014	23,750	32,719	47,511	59,964	56,817	57,263	55,905	54,580	53,814								
2015	23,497	32,818	47,656	55,325	61,600	61,733	59,519	62,744									
2016	23,685	33,178	42,055	49,794	54,424	49,149	48,135										
2017	25,429	30,948	39,689	46,213	46,762	47,726											
2018	25,797	28,448	35,628	38,445	40,037												
2019	22,439	26,587	30,861	33,072													
2020	20,497	23,728	30,688														
2021	21,756	27,715															
2022	19,891																

NOTES: DATA BASED ON INFORMATION PROVIDED BY DHRM.
DATA IS GROSS OF RECOVERIES.
ALL DOLLARS ARE IN THOUSANDS.

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - TOTAL

INCURRED LOSS DEVELOPMENT

Accident Period Ending 6/30	<u>AGE OF DEVELOPMENT IN MONTHS</u>																		
	216	228	240	252	264	276	288	300	312	324	336	348	360	372	384	396	408	420	432
1987	24,905	26,420	27,873	28,945	29,107	29,594	30,946	31,150	31,331	40,321	33,529	33,396	34,144	34,387	34,098	33,882	34,131	34,288	34,295
1988	36,340	36,393	36,447	37,155	37,504	38,645	40,182	41,524	47,797	46,246	46,584	47,379	48,671	48,130	47,444	46,247	46,381	47,922	
1989	32,519	32,873	33,114	34,029	34,049	34,637	36,342	39,246	39,254	39,085	39,412	39,784	39,722	39,499	38,864	38,597	38,851		
1990	41,139	41,541	43,617	44,572	45,838	47,257	50,829	51,584	51,169	52,511	51,262	51,661	50,841	50,248	50,441	48,970			
1991	40,792	42,698	44,764	45,972	48,528	54,381	52,932	52,681	53,826	53,727	53,847	54,678	53,722	53,679	52,397				
1992	48,883	48,155	48,701	49,547	52,305	51,554	54,382	54,335	55,523	56,918	55,782	55,719	55,013	54,391					
1993	48,843	51,237	53,244	61,662	61,659	61,429	63,528	63,738	65,476	66,166	64,554	64,357	63,938						
1994	56,902	58,710	64,860	64,549	66,601	67,869	67,935	67,613	65,831	68,249	67,469	66,122							
1995	42,567	49,916	50,278	51,645	52,094	52,536	53,166	53,331	52,415	51,356	50,248								
1996	56,630	56,654	57,461	58,638	60,467	59,734	59,250	60,953	58,893	57,522									
1997	56,825	58,158	60,511	60,868	60,943	61,114	61,021	61,013	60,784										
1998	54,562	55,731	56,209	58,013	60,643	60,441	58,394	58,069											
1999	64,780	57,140	55,768	55,318	56,572	54,932	53,246												
2000	58,238	59,349	58,197	57,020	55,285	54,816													
2001	69,580	69,621	69,311	68,089	65,849														
2002	55,321	55,849	55,200	54,833															
2003	63,030	62,074	61,022																
2004	65,997	64,735																	
2005	55,808																		
2006																			
2007																			
2008																			
2009																			
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2013																			
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2015																			
2016																			
2017																			
2018																			
2019																			
2020																			
2021																			
2022																			

NOTES: DATA BASED ON INFORMATION PROVIDED BY DHRM.
DATA IS GROSS OF RECOVERIES.
ALL DOLLARS ARE IN THOUSANDS.

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - TOTAL

AGE - TO - AGE PAID LOSS DEVELOPMENT FACTORS

Accident Period Ending 6/30	MONTHS FROM/TO																
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204
1987	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204	216
1987										1.0280	1.0172	1.0007	1.0115	1.0212	1.0124	1.0173	1.0197
1988									1.0592	1.0403	1.0692	1.0345	1.0163	1.0181	1.0178	1.0216	1.0063
1989								1.0604	1.0629	1.0235	1.0169	1.0102	1.0094	1.0085	1.0076	1.0068	1.0000
1990							1.0951	1.0753	1.0713	1.0447	1.0297	1.0240	1.0200	1.0142	1.0162	1.0327	1.0150
1991						1.0916	1.0825	1.0755	1.0604	1.0434	1.0257	1.0169	1.0177	1.0159	1.0203	1.0147	1.0159
1992					1.0924	1.0857	1.0766	1.0676	1.0623	1.0402	1.0281	1.0201	1.0155	1.0115	1.0172	1.0203	1.0158
1993				1.1049	1.1187	1.0768	1.0710	1.0652	1.0548	1.0346	1.0228	1.0216	1.0175	1.0155	1.0287	1.0127	1.0223
1994			1.1486	1.1600	1.0968	1.0848	1.0834	1.0759	1.0573	1.0394	1.0238	1.0182	1.0200	1.0162	1.0160	1.0167	1.0206
1995		1.2486	1.1633	1.1010	1.0856	1.0738	1.0726	1.0667	1.0568	1.0397	1.0203	1.0177	1.0173	1.0165	1.0199	1.0223	1.0228
1996	2.2080	1.2976	1.1495	1.1199	1.1025	1.1008	1.0869	1.0701	1.0731	1.0394	1.0335	1.0360	1.0244	1.0304	1.0222	1.0218	1.0240
1997	2.3003	1.2496	1.1693	1.1333	1.1158	1.0974	1.0837	1.0811	1.0678	1.0421	1.0318	1.0270	1.0234	1.0278	1.0187	1.0307	1.0219
1998	2.0318	1.3050	1.1972	1.1389	1.1100	1.0698	1.0836	1.0614	1.0582	1.0361	1.0231	1.0230	1.0202	1.0209	1.0173	1.0139	1.0155
1999	2.2414	1.2969	1.1772	1.1210	1.0887	1.0925	1.0810	1.0721	1.0609	1.0378	1.0354	1.0235	1.0258	1.0310	1.0305	1.0259	1.0199
2000	2.0698	1.2900	1.1681	1.1306	1.1240	1.0955	1.0877	1.0835	1.0653	1.0458	1.0295	1.0257	1.0204	1.0212	1.0218	1.0147	1.0155
2001	2.2768	1.3499	1.2020	1.1627	1.1089	1.0981	1.0904	1.0788	1.0669	1.0398	1.0261	1.0262	1.0239	1.0301	1.0207	1.0140	1.0130
2002	2.1498	1.2820	1.1824	1.1195	1.1094	1.0815	1.0800	1.0639	1.0532	1.0370	1.0210	1.0173	1.0155	1.0183	1.0177	1.0181	1.0165
2003	1.9876	1.2881	1.1904	1.1305	1.1241	1.0901	1.0817	1.0733	1.0646	1.0608	1.0254	1.0329	1.0258	1.0324	1.0147	1.0090	1.0151
2004	2.1376	1.2571	1.1729	1.1343	1.1088	1.0877	1.0752	1.0757	1.0700	1.0453	1.0324	1.0336	1.0166	1.0227	1.0288	1.0159	1.0184
2005	2.0554	1.2521	1.1626	1.1318	1.1161	1.0938	1.0813	1.0793	1.0715	1.0647	1.0304	1.0201	1.0256	1.0151	1.0153	1.0113	1.0102
2006	2.2018	1.3076	1.1533	1.1251	1.1061	1.1021	1.0909	1.0714	1.0727	1.0408	1.0305	1.0316	1.0267	1.0242	1.0149	1.0150	
2007	2.0934	1.2789	1.1627	1.1169	1.0960	1.0889	1.0704	1.0622	1.0643	1.0483	1.0208	1.0152	1.0125	1.0138	1.0105		
2008	2.1951	1.2605	1.1427	1.1165	1.0818	1.0711	1.0653	1.0590	1.0577	1.0400	1.0334	1.0292	1.0419	1.0227			
2009	2.0508	1.2180	1.1258	1.1048	1.0852	1.0723	1.0589	1.0677	1.0481	1.0267	1.0216	1.0213	1.0201				
2010	2.0049	1.2420	1.1419	1.1096	1.0940	1.0877	1.1302	1.0789	1.0473	1.0187	1.0144	1.0093					
2011	2.0189	1.2374	1.1398	1.1071	1.1059	1.1001	1.0623	1.0455	1.0448	1.0335	1.0157						
2012	2.0430	1.2379	1.1869	1.1300	1.1320	1.0854	1.0710	1.0545	1.0494	1.0222							
2013	1.9607	1.2494	1.1882	1.1471	1.0880	1.0725	1.0574	1.0471	1.0453								
2014	2.0050	1.2537	1.1746	1.1259	1.0835	1.0671	1.0561	1.0326									
2015	2.1421	1.2632	1.1654	1.1103	1.0906	1.0586	1.0450										
2016	1.9358	1.2449	1.1690	1.1464	1.0806	1.0370											
2017	1.8968	1.2454	1.1469	1.1119	1.0663												
2018	1.7964	1.2366	1.1497	1.0877													
2019	1.9253	1.2212	1.1382														
2020	1.8177	1.2162															
2021	2.0998																
VOL WTD 3	1.9438	1.2255	1.1454	1.1169	1.0795	1.0542	1.0528	1.0446	1.0465	1.0247	1.0169	1.0193	1.0250	1.0204	1.0136	1.0142	1.0148
VOL WTD 4	1.8997	1.2313	1.1521	1.1151	1.0805	1.0587	1.0573	1.0449	1.0467	1.0251	1.0208	1.0183	1.0255	1.0192	1.0174	1.0128	1.0152
VOL WTD ALL	2.0479	1.2609	1.1638	1.1242	1.0997	1.0823	1.0771	1.0663	1.0597	1.0389	1.0266	1.0227	1.0208	1.0207	1.0187	1.0175	1.0164
ARITH 3	1.9476	1.2247	1.1450	1.1153	1.0792	1.0542	1.0528	1.0447	1.0465	1.0248	1.0173	1.0200	1.0248	1.0203	1.0136	1.0140	1.0146
ARITH 4	1.9098	1.2299	1.1510	1.1141	1.0802	1.0588	1.0574	1.0449	1.0467	1.0253	1.0213	1.0188	1.0253	1.0190	1.0174	1.0128	1.0151
ARITH ALL	2.0633	1.2627	1.1642	1.1241	1.1005	1.0832	1.0777	1.0671	1.0602	1.0389	1.0271	1.0223	1.0204	1.0204	1.0185	1.0178	1.0162
EXCL. HI - LO	2.0645	1.2610	1.1642	1.1241	1.1006	1.0843	1.0769	1.0679	1.0604	1.0387	1.0259	1.0227	1.0199	1.0204	1.0185	1.0175	1.0167

NOTES: BASED ON EXH. WC TOTAL-13

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - TOTAL

AGE - TO - AGE PAID LOSS DEVELOPMENT FACTORS

Accident Period Ending 6/30	MONTHS FROM/TO																		
	216	228	240	252	264	276	288	300	312	324	336	348	360	372	384	396	408	420	432
1987	1.0430	1.0197	1.0444	1.0165	1.0112	1.0128	1.0111	1.0233	1.0145	1.0073	1.0281	1.0256	1.0087	1.0071	1.0038	1.0033	1.0037	1.0029	
1988	1.0196	1.0149	1.0156	1.0146	1.0183	1.0237	0.9946	1.0154	1.0141	1.0145	1.0130	1.0111	1.0120	1.0093	1.0133	1.0112	1.0085		
1989	1.0104	1.0112	1.0066	1.0066	1.0066	1.0336	1.0175	1.0057	1.0088	1.0083	1.0077	1.0059	1.0055	1.0044	1.0040	1.0045			
1990	1.0173	1.0208	1.0195	1.0173	1.0141	1.0123	1.0128	1.0112	1.0110	1.0110	1.0102	1.0079	1.0145	1.0074	1.0061				
1991	1.0210	1.0150	1.0201	1.0289	1.0223	1.0117	1.0172	1.0147	1.0096	1.0113	1.0218	1.0140	1.0176	1.0034					
1992	1.0205	1.0111	1.0099	1.0130	1.0126	1.0224	1.0076	1.0121	1.0129	1.0066	1.0063	1.0087	1.0041						
1993	1.0131	1.0205	1.0395	1.0127	1.0154	1.0165	1.0212	1.0213	1.0183	1.0137	1.0142	1.0198							
1994	1.0182	1.0206	1.0112	1.0145	1.0156	1.0111	1.0113	1.0143	1.0158	1.0081	1.0077								
1995	1.0209	1.0184	1.0170	1.0172	1.0165	1.0223	1.0178	1.0147	1.0087	1.0092									
1996	1.0202	1.0205	1.0219	1.0247	1.0233	1.0146	1.0140	1.0091	1.0093										
1997	1.0255	1.0234	1.0290	1.0206	1.0207	1.0171	1.0143	1.0112											
1998	1.0191	1.0235	1.0176	1.0306	1.0190	1.0120	1.0072												
1999	1.0230	1.0191	1.0126	1.0115	1.0104	1.0088													
2000	1.0156	1.0135	1.0136	1.0111	1.0151														
2001	1.0162	1.0097	1.0099	1.0073															
2002	1.0139	1.0105	1.0130																
2003	1.0167	1.0057																	
2004	1.0129																		
2005																			
2006																			
2007																			
2008																			
2009																			
2010																			
2011																			
2012																			
2013																			
2014																			
2015																			
2016																			
2017																			
2018																			
2019																			
2020																			
2021																			
VOL WTD 3	1.0145	1.0085	1.0120	1.0097	1.0150	1.0127	1.0118	1.0115	1.0116	1.0103	1.0094	1.0143	1.0119	1.0051	1.0077	1.0066			TAIL
VOL WTD 4	1.0150	1.0096	1.0121	1.0149	1.0164	1.0132	1.0131	1.0123	1.0133	1.0094	1.0122	1.0128	1.0106	1.0060	1.0069				----
VOL WTD ALL	1.0186	1.0161	1.0182	1.0165	1.0161	1.0164	1.0124	1.0138	1.0124	1.0100	1.0129	1.0131	1.0106	1.0062	1.0069	1.0066	1.0063	1.0029	----
ARITH 3	1.0145	1.0086	1.0122	1.0100	1.0148	1.0126	1.0118	1.0117	1.0112	1.0103	1.0094	1.0142	1.0121	1.0051	1.0078	1.0063			----
ARITH 4	1.0149	1.0098	1.0123	1.0151	1.0163	1.0131	1.0133	1.0123	1.0130	1.0094	1.0125	1.0126	1.0104	1.0061	1.0068				----
ARITH ALL	1.0193	1.0164	1.0188	1.0165	1.0158	1.0168	1.0122	1.0139	1.0123	1.0100	1.0136	1.0133	1.0104	1.0063	1.0068	1.0063	1.0061	1.0029	----
EXCL. HI - LO	1.0184	1.0166	1.0179	1.0161	1.0159	1.0160	1.0131	1.0138	1.0120	1.0098	1.0125	1.0123	1.0102	1.0063	1.0050	1.0045			----

NOTES: BASED ON EXH. WC TOTAL-13

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - TOTAL

PAID LOSS DEVELOPMENT

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204
1987										21,477	22,078	22,458	22,474	22,733	23,215	23,503	23,909
1988									24,219	25,652	26,686	28,533	29,517	30,000	30,542	31,087	31,757
1989								25,752	27,307	29,026	29,706	30,209	30,518	30,804	31,066	31,302	31,516
1990							24,945	27,317	29,374	31,469	32,875	33,851	34,663	35,357	35,857	36,438	37,628
1991						23,964	26,160	28,318	30,457	32,297	33,699	34,565	35,150	35,771	36,340	37,077	37,623
1992					25,164	27,488	29,844	32,130	34,303	36,441	37,904	38,969	39,754	40,372	40,835	41,538	42,382
1993				22,590	24,961	27,924	30,067	32,201	34,302	36,181	37,433	38,286	39,112	39,797	40,414	41,572	42,100
1994			21,376	24,554	28,482	31,239	33,889	36,715	39,502	41,767	43,414	44,446	45,256	46,159	46,906	47,654	48,449
1995		13,504	16,860	19,613	21,593	23,441	25,171	26,997	28,799	30,436	31,642	32,285	32,855	33,425	33,977	34,652	35,424
1996	5,794	12,793	16,600	19,082	21,371	23,563	25,939	28,194	30,170	32,376	33,652	34,780	36,033	36,911	38,032	38,878	39,725
1997	5,698	13,107	16,378	19,150	21,702	24,215	26,574	28,798	31,135	33,247	34,645	35,747	36,712	37,572	38,617	39,337	40,543
1998	7,016	14,254	18,601	22,269	25,362	28,151	30,117	32,634	34,639	36,657	37,981	38,859	39,751	40,555	41,403	42,118	42,702
1999	5,687	12,747	16,531	19,461	21,816	23,751	25,947	28,048	30,070	31,902	33,107	34,277	35,084	35,988	37,104	38,235	39,225
2000	6,339	13,120	16,925	19,769	22,350	25,121	27,519	29,933	32,431	34,550	36,132	37,198	38,153	38,932	39,756	40,621	41,220
2001	6,677	15,203	20,521	24,666	28,679	31,803	34,922	38,078	41,080	43,829	45,574	46,761	47,988	49,134	50,615	51,663	52,387
2002	7,095	15,252	19,553	23,121	25,883	28,715	31,055	33,539	35,682	37,581	38,970	39,787	40,476	41,104	41,854	42,597	43,369
2003	7,989	15,879	20,454	24,348	27,525	30,940	33,729	36,484	39,159	41,688	44,223	45,345	46,838	48,048	49,603	50,333	50,784
2004	7,536	16,109	20,251	23,753	26,944	29,876	32,494	34,939	37,582	40,213	42,033	43,393	44,853	45,599	46,633	47,978	48,739
2005	6,927	14,237	17,827	20,726	23,457	26,179	28,635	30,963	33,420	35,809	38,126	39,286	40,078	41,105	41,724	42,363	42,842
2006	7,627	16,794	21,960	25,327	28,496	31,520	34,737	37,896	40,601	43,551	45,329	46,711	48,186	49,470	50,667	51,423	52,191
2007	8,152	17,066	21,825	25,377	28,343	31,065	33,825	36,205	38,456	40,930	42,909	43,801	44,467	45,024	45,647	46,124	
2008	8,123	17,830	22,475	25,682	28,673	31,018	33,222	35,392	37,481	39,644	41,228	42,605	43,850	45,688	46,727		
2009	8,220	16,857	20,531	23,113	25,534	27,710	29,714	31,464	33,593	35,207	36,148	36,929	37,715	38,473			
2010	10,047	20,144	25,019	28,568	31,700	34,678	37,720	42,630	45,992	48,166	49,065	49,773	50,238				
2011	10,200	20,593	25,481	29,044	32,156	35,562	39,122	41,561	43,454	45,401	46,923	47,662					
2012	9,016	18,419	22,801	27,064	30,581	34,619	37,577	40,245	42,437	44,536	45,526						
2013	9,762	19,142	23,915	28,417	32,596	35,466	38,037	40,219	42,115	44,024							
2014	10,099	20,249	25,386	29,819	33,573	36,375	38,816	40,992	42,327								
2015	9,431	20,202	25,518	29,739	33,019	36,011	38,120	39,836									
2016	10,475	20,277	25,243	29,509	33,828	36,555	37,909										
2017	10,161	19,273	24,003	27,528	30,610	32,638											
2018	9,848	17,690	21,877	25,152	27,358												
2019	7,722	14,867	18,155	20,664													
2020	7,977	14,501	17,636														
2021	7,362	15,459															
2022	6,549																

NOTES: DATA BASED ON INFORMATION PROVIDED BY DHRM.
DATA IS GROSS OF RECOVERIES.
ALL DOLLARS ARE IN THOUSANDS.

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - TOTAL

PAID LOSS DEVELOPMENT

Accident Period Ending 6/30	<u>AGE OF DEVELOPMENT IN MONTHS</u>																		
	216	228	240	252	264	276	288	300	312	324	336	348	360	372	384	396	408	420	432
1987	24,379	25,427	25,928	27,079	27,526	27,834	28,192	28,504	29,167	29,590	29,806	30,644	31,429	31,702	31,926	32,048	32,154	32,274	32,368
1988	31,957	32,584	33,069	33,584	34,075	34,699	35,520	35,327	35,870	36,376	36,902	37,383	37,798	38,251	38,608	39,122	39,559	39,894	
1989	31,515	31,842	32,199	32,411	32,626	32,843	33,948	34,544	34,741	35,046	35,337	35,610	35,821	36,017	36,174	36,317	36,479		
1990	38,191	38,851	39,658	40,431	41,131	41,710	42,225	42,767	43,246	43,723	44,202	44,653	45,006	45,660	45,996	46,274			
1991	38,221	39,023	39,608	40,405	41,571	42,497	42,992	43,732	44,373	44,797	45,303	46,291	46,941	47,769	47,933				
1992	43,050	43,933	44,422	44,863	45,447	46,020	47,050	47,410	47,986	48,605	48,923	49,229	49,658	49,862					
1993	43,039	43,604	44,497	46,253	46,840	47,561	48,347	49,372	50,422	51,347	52,048	52,786	53,833						
1994	49,449	50,347	51,382	51,955	52,708	53,528	54,122	54,734	55,516	56,393	56,847	57,287							
1995	36,230	36,988	37,667	38,308	38,966	39,607	40,489	41,209	41,814	42,176	42,563								
1996	40,680	41,503	42,356	43,284	44,353	45,386	46,050	46,693	47,117	47,555									
1997	41,432	42,488	43,484	44,745	45,668	46,615	47,412	48,092	48,631										
1998	43,365	44,194	45,234	46,029	47,439	48,341	48,920	49,273											
1999	40,006	40,924	41,707	42,231	42,718	43,163	43,542												
2000	41,857	42,510	43,083	43,669	44,153	44,818													
2001	53,069	53,929	54,454	54,995	55,397														
2002	44,086	44,697	45,164	45,750															
2003	51,552	52,415	52,714																
2004	49,637	50,276																	
2005	43,277																		
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NOTES: DATA BASED ON INFORMATION PROVIDED BY DHRM.
DATA IS GROSS OF RECOVERIES.
ALL DOLLARS ARE IN THOUSANDS.

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - TOTAL

PAID LOSSES (\$000's)

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204
1987																	
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NUMBER OF CLOSED LOST TIME CLAIMS

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204
1987																	
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AVERAGE PAID LOSS PER CLOSED LOST TIME CLAIM

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204
1987																	
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COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - TOTAL

PAID LOSSES (\$000'S)

Accident Period Ending	AGE OF DEVELOPMENT IN MONTHS																		
	6/30																		
	216	228	240	252	264	276	288	300	312	324	336	348	360	372	384	396	408	420	432
1987	24,379	25,427	25,928	27,079	27,526	27,834	28,192	28,504	29,167	29,590	29,806	30,644	31,429	31,702	31,926	32,048	32,154	32,274	32,368
1988	31,957	32,584	33,069	33,584	34,075	34,699	35,220	35,327	35,870	36,376	36,902	37,383	37,798	38,251	38,608	39,122	39,559	39,894	
1989	31,515	31,842	32,199	32,411	32,626	32,843	33,948	34,544	34,741	35,046	35,337	35,610	35,821	36,017	36,174	36,317	36,479		
1990	38,191	38,851	39,658	40,431	41,131	41,710	42,225	42,767	43,246	43,723	44,202	44,653	45,006	45,660	45,996	46,274			
1991	38,221	39,023	39,608	40,405	41,571	42,497	42,992	43,732	44,373	44,797	45,303	46,291	46,941	47,769	47,933				
1992	43,650	43,933	44,422	44,863	45,447	46,020	47,050	47,410	47,986	48,605	48,923	49,229	49,658	49,862					
1993	43,039	43,604	44,407	46,253	46,840	47,561	48,347	49,372	50,422	51,347	52,048	52,786	53,833						
1994	49,449	50,347	51,382	51,955	52,708	53,528	54,122	54,734	55,516	56,393	56,847	57,287							
1995	36,230	36,988	37,667	38,308	38,966	39,607	40,489	41,209	41,814	42,176	42,563								
1996	40,680	41,503	42,356	43,284	44,353	45,386	46,050	46,693	47,117	47,555									
1997	41,432	42,488	43,484	44,745	45,668	46,515	47,412	48,092	48,631										
1998	43,365	44,194	45,234	46,029	47,439	48,341	48,920	49,273											
1999	40,006	40,924	41,707	42,231	42,718	43,163	43,542												
2000	41,857	42,510	43,083	43,669	44,153	44,818													
2001	53,069	53,929	54,454	54,995	55,397														
2002	44,086	44,697	45,164	45,790															
2003	51,552	52,415	52,714																
2004	49,637	50,276																	
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NUMBER OF CLOSED LOST TIME CLAIMS

Accident Period Ending	AGE OF DEVELOPMENT IN MONTHS																		
	6/30																		
	216	228	240	252	264	276	288	300	312	324	336	348	360	372	384	396	408	420	432
1987	1,835	1,833	1,831	1,829	1,831	1,836	1,838	1,844	1,844	1,844	1,848	1,850	1,849	1,852	1,853	1,857	1,858	1,857	1,857
1988	2,059	2,052	2,050	2,054	2,060	2,058	2,061	2,067	2,066	2,067	2,063	2,066	2,068	2,069	2,070	2,071	2,072	2,072	
1989	1,914	1,908	1,908	1,913	1,915	1,919	1,919	1,922	1,923	1,924	1,922	1,924	1,927	1,925	1,924	1,926	1,927		
1990	2,061	2,061	2,056	2,058	2,057	2,061	2,063	2,070	2,070	2,069	2,074	2,077	2,082	2,089	2,090	2,090			
1991	2,014	2,012	2,007	2,014	2,017	2,014	2,020	2,025	2,020	2,026	2,027	2,029	2,031	2,031	2,040				
1992	2,159	2,160	2,163	2,166	2,165	2,167	2,169	2,174	2,169	2,176	2,180	2,183	2,184	2,189					
1993	2,069	2,071	2,075	2,074	2,077	2,078	2,081	2,085	2,088	2,089	2,091	2,092	2,092	2,094					
1994	2,220	2,226	2,228	2,232	2,231	2,236	2,234	2,236	2,244	2,248	2,252	2,257							
1995	2,016	2,015	2,020	2,023	2,022	2,026	2,027	2,030	2,030	2,033	2,040								
1996	1,610	1,614	1,619	1,617	1,621	1,626	1,630	1,632	1,635	1,634									
1997	1,492	1,497	1,502	1,502	1,510	1,513	1,512	1,516	1,519										
1998	1,545	1,545	1,548	1,546	1,551	1,556	1,563	1,564											
1999	1,390	1,392	1,402	1,408	1,406	1,408	1,410												
2000	1,268	1,270	1,280	1,284	1,289	1,288													
2001	1,193	1,201	1,202	1,205	1,206														
2002	1,083	1,084	1,087	1,090															
2003	1,201	1,203	1,206																
2004	1,238	1,242																	
2005	1,166																		
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AVERAGE PAID LOSS PER CLOSED LOST TIME CLAIM

Accident Period Ending	AGE OF DEVELOPMENT IN MONTHS																		
	6/30																		
	216	228	240	252	264	276	288	300	312	324	336	348	360	372	384	396	408	420	432
1987	13,285	13,872	14,161	14,805	15,033	15,160	15,338	15,458	15,817	16,047	16,129	16,565	16,998	17,118	17,229	17,258	17,306	17,379	17,431
1988	15,521	15,879	16,131	16,351	16,541	16,860	17,234	17,091	17,362	17,598	17,887	18,094	18,278	18,488	18,651	18,890	19,092	19,254	
1989	16,466	16,689	16,876	16,942	17,037	17,115	17,690	17,973	18,066	18,215	18,385	18,508	18,589	18,710	18,801	18,856	18,931		
1990	18,531	18,851	19,289	19,646	19,996	20,238	20,468	20,660	20,892	21,132	21,312	21,499	21,617	21,857	22,008	22,141			
1991	18,978	19,395	19,735	20,062	20,610	21,101	21,283	21,596	21,967	22,111	22,350	22,815	23,112	23,520	23,497				
1992	19,940	20,339	20,537	20,713	20,992	21,237	21,692	21,808	22,124	22,337	22,442	22,551	22,737	22,778					
1993	20,802	21,055	21,444	22,301	22,552	22,888	23,232	23,680	24,149	24,580	24,891	25,232	25,708						
1994	22,274	22,618	23,062	23,277	23,625	23,939	24,226	24,478	24,740	25,086	25,243	25,382							
1995	17,971	18,356	18,647	18,936	19,271	19,549	19,975	20,300	20,598	20,746	20,864								
1996	25,267	25,715	26,162	26,768	27,361	27,913	28,251	28,611	28,818	29,104									
1997	27,770	28,382	28,951	29,791	30,244	30,810	31,357	31,723	32,015										
1998	28,068	28,604	29,221	29,773	30,586	31,068	31,299	31,504											
1999	28,781	29,400	29,748	29,993	30,383	30,656	30,881		</										

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - TOTAL

Accident Period Ending 6/30	INCURRED LOSSES (\$000's)																
	AGE OF DEVELOPMENT IN MONTHS																
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204
1987																	
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2022																	

Accident Period Ending 6/30	NUMBER OF REPORTED LOST TIME CLAIMS																
	AGE OF DEVELOPMENT IN MONTHS																
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204
1987																	
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2015																	
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2018																	
2019																	
2020																	
2021																	
2022																	

Accident Period Ending 6/30	AVERAGE INCURRED LOSS PER REPORTED LOST TIME CLAIM																
	AGE OF DEVELOPMENT IN MONTHS																
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204
1987																	
1988																	
1989																	
1990																	
1991																	
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2022																	

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - TOTAL

INCURRED LOSSES (\$000')

Accident Period Ending	AGE OF DEVELOPMENT IN MONTHS																		
	216	228	240	252	264	276	288	300	312	324	336	348	360	372	384	396	408	420	432
6/30	24,905	25,400	27,873	28,945	29,107	29,594	30,946	31,150	31,331	40,321	33,529	33,396	34,144	34,387	34,098	33,882	34,131	34,288	34,295
1987	36,340	36,393	36,447	37,155	37,504	38,645	40,182	41,524	47,797	46,246	46,584	47,379	48,671	48,130	47,444	46,247	46,381	47,922	
1988	32,519	32,873	33,114	34,029	34,049	34,637	36,342	39,246	39,254	39,085	39,412	39,784	39,722	39,499	38,864	38,597	38,851		
1989	41,139	41,541	43,617	44,572	45,838	47,257	50,829	51,584	51,169	52,511	51,262	51,661	50,841	50,248	50,441	48,970			
1990	40,792	42,698	44,764	45,972	48,528	54,381	52,932	52,681	53,826	53,727	53,847	54,678	53,722	53,679	52,397				
1991	48,883	48,155	48,701	49,547	52,305	51,554	54,382	54,335	55,523	56,918	55,782	55,719	55,013	54,391					
1992	48,843	51,237	53,244	61,662	61,659	61,429	63,528	63,738	65,476	66,166	64,554	64,357	63,938						
1993	56,902	58,710	64,860	64,549	66,601	67,869	67,935	67,613	65,831	68,249	67,469	66,122							
1994	42,567	49,916	50,278	51,645	52,094	52,536	53,166	53,331	52,415	51,356	50,248								
1995	56,630	56,654	57,461	58,638	60,467	59,734	59,250	60,953	58,893	57,522									
1996	55,825	58,158	60,511	60,868	60,943	61,114	61,021	61,013	60,784										
1997	54,562	55,731	56,209	58,013	60,643	60,441	58,394	58,069											
1998	64,780	57,140	55,768	55,318	56,572	54,932	53,246												
1999	58,238	59,349	58,197	57,020	55,285	54,816													
2000	69,580	69,621	69,311	68,089	65,849														
2001	55,321	55,849	55,200	54,833															
2002	63,030	62,074	61,022																
2003	65,997	64,735																	
2004	55,808																		
2005																			
2006																			
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2018																			
2019																			
2020																			
2021																			
2022																			

NUMBER OF REPORTED LOST TIME CLAIMS

Accident Period Ending	AGE OF DEVELOPMENT IN MONTHS																		
	216	228	240	252	264	276	288	300	312	324	336	348	360	372	384	396	408	420	432
6/30	1,864	1,865	1,865	1,865	1,865	1,865	1,865	1,865	1,865	1,865	1,868	1,868	1,868	1,868	1,868	1,868	1,868	1,868	1,868
1987	2,089	2,089	2,087	2,087	2,087	2,087	2,087	2,086	2,086	2,087	2,086	2,086	2,086	2,086	2,086	2,086	2,086	2,086	2,086
1988	1,937	1,935	1,935	1,935	1,935	1,935	1,936	1,936	1,937	1,937	1,937	1,937	1,937	1,937	1,937	1,937	1,937	1,937	1,937
1989	2,105	2,105	2,105	2,105	2,105	2,105	2,105	2,111	2,110	2,110	2,110	2,109	2,109	2,109	2,109	2,109	2,109	2,109	2,109
1990	2,063	2,063	2,063	2,063	2,063	2,070	2,070	2,070	2,070	2,070	2,070	2,070	2,070	2,069	2,069	2,069	2,069	2,069	2,069
1991	2,205	2,205	2,205	2,205	2,205	2,210	2,210	2,210	2,210	2,210	2,210	2,210	2,210	2,210	2,210	2,210	2,210	2,210	2,210
1992	2,121	2,121	2,121	2,121	2,125	2,125	2,125	2,125	2,125	2,125	2,125	2,125	2,125	2,125	2,125	2,125	2,125	2,125	2,125
1993	2,286	2,286	2,286	2,288	2,288	2,288	2,288	2,288	2,288	2,288	2,288	2,288	2,288	2,288	2,288	2,288	2,288	2,288	2,288
1994	2,068	2,068	2,070	2,070	2,070	2,070	2,070	2,070	2,070	2,070	2,070	2,070	2,070	2,070	2,070	2,070	2,070	2,070	2,070
1995	1,670	1,675	1,675	1,675	1,675	1,675	1,675	1,675	1,675	1,675	1,675	1,675	1,675	1,675	1,675	1,675	1,675	1,675	1,675
1996	1,551	1,551	1,551	1,551	1,551	1,551	1,551	1,551	1,551	1,551	1,551	1,551	1,551	1,551	1,551	1,551	1,551	1,551	1,551
1997	1,599	1,599	1,599	1,598	1,598	1,598	1,598	1,598	1,598	1,598	1,598	1,598	1,598	1,598	1,598	1,598	1,598	1,598	1,598
1998	1,452	1,452	1,452	1,452	1,452	1,452	1,452	1,452	1,452	1,452	1,452	1,452	1,452	1,452	1,452	1,452	1,452	1,452	1,452
1999	1,326	1,326	1,326	1,326	1,326	1,326	1,326	1,326	1,326	1,326	1,326	1,326	1,326	1,326	1,326	1,326	1,326	1,326	1,326
2000	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250
2001	1,135	1,135	1,135	1,135	1,135	1,135	1,135	1,135	1,135	1,135	1,135	1,135	1,135	1,135	1,135	1,135	1,135	1,135	1,135
2002	1,248	1,248	1,248	1,248	1,248	1,248	1,248	1,248	1,248	1,248	1,248	1,248	1,248	1,248	1,248	1,248	1,248	1,248	1,248
2003	1,286	1,286	1,286	1,286	1,286	1,286	1,286	1,286	1,286	1,286	1,286	1,286	1,286	1,286	1,286	1,286	1,286	1,286	1,286
2004	1,204	1,204	1,204	1,204	1,204	1,204	1,204	1,204	1,204	1,204	1,204	1,204	1,204	1,204	1,204	1,204	1,204	1,204	1,204
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2020																			
2021																			
2022																			

AVERAGE INCURRED LOSS PER REPORTED LOST TIME CLAIM

Accident Period Ending	AGE OF DEVELOPMENT IN MONTHS																		
	216	228	240	252	264	276	288	300	312	324	336	348	360	372	384	396	408	420	432
6/30	13,351	14,166	14,945	15,520	15,607	15,868	16,593	16,702	16,800	21,620	17,949	17,878	18,278	18,408	18,254	18,138	18,272	18,356	18,359
1987	17,396	17,421	17,464	17,803	17,970	18,517	19,253	19,906	22,913	22,159	22,332	22,713	23,332	23,073	22,744	22,170	22,234	22,973	
1988	16,788	16,989	17,113	17,586	17,597	17,900	18,772	20,272	20,265	20,178	20,347	20,539	20,507	20,392	20,064	19,936	20,057		
1989	19,544	19,735	20,721	21,174	21,776	22,450	24,147	24,436	24,251	24,887	24,295	24,496	24,107	23,826	23,917	23,220			
1990	19,773	20,697	21,698	22,284	23,523	26,360	25,711	25,450	26,003	25,955	26,013	26,414	25,953	25,945	25,325				
1991	22,169	21,839	22,087	22,470	23,721	23,328	24,607	24,586	25,124	25,755	25								

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - TOTAL

CASE RESERVES (\$000's)

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204
1987										2,373	1,410	636	414	322	550	289	569
1988								6,781	2,775	1,811	1,594	2,086	1,433	1,185	1,593	1,630	
1989								5,276	3,410	2,314	1,721	1,077	794	434	882	1,145	891
1990							6,223	4,642	4,841	3,609	2,324	2,171	1,596	1,962	2,265	2,829	2,919
1991						5,357	5,155	5,398	4,251	2,918	2,082	1,304	1,195	1,517	1,957	2,516	2,417
1992					5,736	5,404	5,898	5,229	3,984	3,345	1,795	1,214	2,298	2,639	2,907	3,194	5,280
1993				6,248		9,121	6,915	5,564	4,411	4,446	3,138	2,144	1,533	2,597	3,146	3,330	4,349
1994			10,173	12,934	11,687	9,898	9,250	8,790	8,401	6,866	5,649	5,422	5,255	4,940	5,083	6,145	7,703
1995		4,555	6,732	5,945	5,297	4,513	4,584	4,029	3,336	2,293	2,461	2,116	3,250	3,486	4,398	5,805	6,157
1996	5,037	6,422	5,191	4,884	5,746	8,103	7,085	6,121	5,850	6,689	5,935	5,482	5,219	5,857	5,564	6,409	8,804
1997	7,756	5,474	5,418	7,223	8,270	7,607	6,447	6,025	6,290	5,664	5,264	4,909	5,778	7,005	8,597	9,592	16,470
1998	8,499	6,913	7,024	7,724	7,432	7,008	6,583	7,104	7,039	5,876	6,245	7,753	7,748	8,522	8,425	11,849	11,184
1999	6,636	4,325	4,328	4,253	4,145	4,643	6,147	6,765	6,534	7,804	7,413	7,544	10,363	10,581	17,884	16,674	24,941
2000	6,526	4,554	3,931	4,140	4,213	6,293	6,994	6,816	7,635	7,792	10,007	10,896	14,423	17,861	16,574	15,815	17,054
2001	9,208	8,468	6,741	6,508	7,564	8,443	8,868	9,706	9,356	9,151	9,828	12,301	18,214	17,153	17,545	16,797	16,749
2002	7,332	5,499	4,581	5,070	6,138	6,204	7,653	9,605	8,577	9,273	9,113	15,654	13,771	13,160	13,812	14,120	12,831
2003	10,380	6,720	6,177	6,315	7,265	9,273	9,744	12,057	13,780	15,446	21,100	18,771	18,238	16,914	17,445	15,845	13,487
2004	10,312	5,587	5,048	5,520	6,860	7,940	10,230	16,107	17,231	25,830	22,909	22,694	22,512	19,440	17,427	19,057	18,522
2005	10,195	5,731	5,213	6,776	6,732	9,179	11,575	12,655	23,314	21,505	18,187	16,667	15,618	16,083	11,147	13,089	12,759
2006	10,386	5,830	6,450	6,734	6,914	10,690	14,164	30,558	27,313	22,866	21,940	22,768	21,238	21,421	19,650	17,328	15,106
2007	10,983	7,411	5,584	4,975	7,161	8,771	26,733	24,554	22,414	19,535	19,430	17,151	15,268	13,696	12,747	12,188	
2008	11,531	7,858	5,273	4,865	5,085	24,412	21,831	20,090	17,175	18,544	19,343	16,447	16,521	19,138	17,803		
2009	11,516	5,383	3,542	4,456	22,379	19,679	18,648	17,812	15,195	13,212	11,245	9,248	7,422	6,337			
2010	12,694	6,125	5,716	32,064	28,204	29,437	31,946	26,539	21,422	15,195	12,927	10,850	9,439				
2011	13,896	5,851	30,421	29,263	27,928	30,103	25,127	21,171	18,245	15,778	11,940	12,394					
2012	15,568	16,906	15,303	23,780	27,784	26,443	26,108	23,288	16,277	14,863	12,735						
2013	16,070	10,266	12,958	19,716	22,912	20,426	20,609	20,865	17,524	13,605							
2014	13,651	12,470	22,126	30,145	23,244	20,887	17,088	13,588	11,487								
2015	14,066	12,616	22,138	25,586	28,581	25,722	21,399	22,908									
2016	13,210	12,902	16,812	20,286	20,596	12,594	10,227										
2017	15,268	11,676	15,686	18,685	16,152	15,088											
2018	15,949	10,757	13,751	13,292	12,679												
2019	14,717	11,720	12,706	12,407													
2020	12,520	9,227	13,052														
2021	14,394	12,256															
2022	13,342																

NUMBER OF OPEN LOST TIME CLAIMS

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204
1987														19	39	27	15
1988														38	38	27	37
1989													38	37	30	22	29
1990													41	38	41	34	45
1991													53	52	42	45	48
1992									122	90	71	63	39	39	39	47	46
1993								118	91	103	79	48	47	58	54	54	54
1994							133	108	127	117	75	62	56	59	66	60	68
1995						109	85	95	99	93	64	59	56	54	50	57	54
1996					127	87	102	100	95	96	77	70	68	68	66	66	61
1997				161	117	124	118	114	110	103	79	71	65	68	64	62	60
1998			257	183	146	136	128	117	111	101	78	70	63	63	64	62	60
1999		388	206	161	141	115	107	100	97	90	79	69	63	63	64	65	64
2000	585	306	201	149	124	115	104	97	96	92	75	69	64	56	61	57	54
2001	676	311	224	179	154	139	130	129	119	114	87	81	73	70	70	67	60
2002	629	304	203	151	133	121	117	110	103	89	76	63	56	59	63	59	53
2003	686	277	188	143	133	123	113	118	113	103	89	77	73	70	68	56	54
2004	714	281	178	148	122	114	113	105	97	95	75	74	68	61	59	56	51
2005	668	299	183	154	129	118	108	108	99	92	80	66	64	60	49	45	39
2006	668	275	199	166	144	134	127	116	117	109	95	91	79	71	66	60	52
2007	657	268	185	147	125	101	100	97	95	82	69	55	54	49	46	45	
2008	581	277	174	135	105	97	92	88	87	69	54	55	52	50			
2009	598	248	148	113	102	83	82	81	74	69	55	50	45	37			
2010	638	259	175	140	119	116	117	100	92	79	61	54	45				
2011	626	235	165	127	106	99	90	75	73	60	45	40					
2012	503	219	167	139	130	111	96	94	75	71	52						
2013	518	234	159	130	110	91	83	74	67	55							
2014	501	231	160	115	96	80	71	64	58								
2015	628	210	133	108	90	74	67	63									
2016	459	191	143	106	78	62	54										
2017	440	181	134	95	76	59											
2018	436	158	112	81	61												
2019	349	135	94	63													
2020	324	129	86														
2021	280	121															
2022	302																

AVERAGE CASE RESERVE PER OPEN LOST TIME CLAIM

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																	
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204	
1987															16,947	14,101	10,710	37,907
1988														54,890	37,721	42,337	59,007	44,052
1989													28,349	21,459	14,471	40,112	39,486	40,504
1990													52,961	41,996	47,852	66,614	62,869	67,874
1991													22,978	36,122	43,485	52,423	51,422	
1992									32,658	37,170	25,287	19,271	58,911	67,678	74,546	67,964	114,772	
1993								37,380	48,861	30,467	27,145	31,929	55,265	57,201	60,549	82,036	80,534	
1994								81,387	66,149	58,681	75,320	87,453	93,843	83,732	77,019	102,423	113,284	
1995						41,407	53,934	42,412	33,696	24,661	38,450	35,857	58,029	64,551	87,956	101,844	114,012	
1996					45,242	93,134	69,457	61,211	61,584	69,679	77,080	78,314	76,754	86,129	84,303	97,112	144,323	
1997				44,865	70,686	61,344	54,637	52,848	57,180	54,988	66,628</							

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - TOTAL

CASE RESERVES (\$000's)

Accident Period Ending	AGE OF DEVELOPMENT IN MONTHS																				
	6/30	216	228	240	252	264	276	288	300	312	324	336	348	360	372	384	396	408	420	432	
1987	536	992	1,945	1,866	1,581	1,759	2,754	2,546	2,164	10,731	3,722	2,751	2,715	2,685	2,172	1,834	1,978	2,015	1,927		
1988	4,383	3,809	3,377	3,570	3,429	3,947	4,662	6,197	11,927	9,870	9,683	9,996	10,873	9,879	8,836	7,125	6,821	8,028			
1989	1,004	1,031	915	1,618	1,423	1,794	2,395	4,703	4,513	4,040	4,075	4,174	3,902	3,482	2,691	2,280	2,372				
1990	2,948	2,690	3,959	4,141	4,707	5,547	8,604	8,817	7,924	8,788	7,060	7,008	5,835	4,445	2,696						
1991	2,571	3,675	5,156	5,567	6,957	11,885	9,940	8,949	9,452	8,930	8,544	8,387	6,781	5,910	4,464						
1992	5,834	4,222	4,279	4,683	6,858	5,534	7,331	6,924	7,537	8,313	6,858	6,490	5,355	4,529							
1993	5,803	7,633	8,747	15,409	14,819	13,868	15,181	14,366	15,053	14,819	12,506	11,571	10,104								
1994	7,453	8,363	13,478	12,594	13,893	14,341	13,813	12,879	10,314	11,856	10,621	8,835									
1995	6,337	12,929	12,611	13,338	13,128	12,929	12,676	12,122	10,602	9,180	7,685										
1996	15,950	15,150	15,105	15,354	16,114	14,348	13,201	14,259	11,776	9,967											
1997	15,392	15,670	17,027	16,122	15,275	14,499	13,609	12,921	12,153												
1998	11,197	11,537	10,974	11,984	13,203	12,100	9,474	8,796													
1999	24,774	16,216	14,061	13,088	13,854	11,769	9,703														
2000	16,381	16,839	15,115	13,350	11,132	9,998															
2001	16,511	15,692	14,857	13,094	10,452																
2002	11,235	11,153	10,035	9,083																	
2003	11,478	9,659	8,308																		
2004	16,361	14,459																			
2005	12,531																				
2006																					
2007																					
2008																					
2009																					
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2011																					
2012																					
2013																					
2014																					
2015																					
2016																					
2017																					
2018																					
2019																					
2020																					
2021																					
2022																					

NUMBER OF OPEN LOST TIME CLAIMS

Accident Period Ending	AGE OF DEVELOPMENT IN MONTHS																				
	6/30	216	228	240	252	264	276	288	300	312	324	336	348	360	372	384	396	408	420	432	
1987	29	32	34	36	34	29	27	21	21	21	20	18	19	16	15	11	10	11	11		
1988	30	37	37	33	27	29	26	19	20	20	23	20	18	17	16	15	14	14			
1989	23	27	27	22	20	16	17	14	14	13	15	13	10	12	13	11	10				
1990	44	44	49	47	48	44	42	41	40	41	36	32	27	20	19	19					
1991	49	51	56	49	46	49	50	45	50	44	43	41	39	38	29						
1992	46	45	42	39	40	43	41	36	41	34	30	27	26	21							
1993	52	50	46	47	48	47	44	40	37	36	34	33									
1994	66	60	58	56	57	52	54	52	44	40	36	31									
1995	52	53	50	47	48	44	43	40	40	37	30										
1996	60	61	56	58	54	49	45	43	40	41											
1997	59	54	49	49	41	38	39	35	32												
1998	54	54	51	52	47	42	35	34													
1999	62	60	50	44	46	44	42														
2000	58	56	46	42	37	38															
2001	57	49	48	45	44																
2002	52	51	48	45																	
2003	47	45	42																		
2004	48	44																			
2005	38																				
2006																					
2007																					
2008																					
2009																					
2010																					
2011																					
2012																					
2013																					
2014																					
2015																					
2016																					
2017																					
2018																					
2019																					
2020																					
2021																					
2022																					

AVERAGE CASE RESERVE PER OPEN LOST TIME CLAIM

Accident Period Ending	AGE OF DEVELOPMENT IN MONTHS																				
	6/30	216	228	240	252	264	276	288	300	312	324	336	348	360	372	384	396	408	420	432	
1987	18,130	31,008	57,204	51,826	46,496	60,666	101,997	125,979	103,059	510,976	186,122	152,856	142,882	167,793	144,786	166,702	197,751	183,175	175,144		
1988	146,097	102,943	91,277	108,191	126,983	136,092	179,304	326,152	596,343	493,500	420,987	499,801	604,028	581,098	552,248	475,014	487,234	573,412			
1989	43,641	38,178	33,887	73,552	71,161	112,144	140,854	335,899	322,327	310,745	271,691	321,057	390,166	290,180	206,972	207,265	237,185				
1990	66,999	61,140	80,796	88,101	98,063	126,075	204,860	215,045	198,091	214,337	196,117	219,005	216,114	229,404	233,955	141,882					
1991	52,476	72,068	92,069	113,603	151,236	242,544	198,801	198,863	189,047	202,950	198,701	204,555	173,878	155,533	153,942						
1992	126,818	93,814	101,887	120,080	171,449	128,703	178,811	192,338	183,831	244,509	228,611	240,376	205,970	215,668							
1993	111,602	152,651	190,155	327,848	308,732	295,070	345,024	359,147	406,849	411,646	367,817	350,645	325,946								
1994	112,932	139,380	232,383	224,890	243,735	275,791	255,792	247,674	234,417	296,396	395,035	284,998									
1995	121,858	243,937	252,217	283,778	273,500	293,845	294,800	303,059	265,038	248,107	256,177										
1996	265,831	248,363	269,728	264,721	298,399	292,813	293,351	331,609	294,404	243,098											
1997	260,890	290,178	347,483	329,028	372,550	381,551	348,953	369,160	379,776												
1998	207,358	213,645	215,181	230,466	280,924	288,097	270,694	258,712					</								

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - TOTAL

IMPLIED OUTSTANDING LOSS (\$000's)

Accident Period Ending	AGE OF DEVELOPMENT IN MONTHS																				
	6/30	216	228	240	252	264	276	288	300	312	324	336	348	360	372	384	396	408	420	432	
1987	10,144	9,096	8,595	7,444	6,997	6,569	6,331	6,019	5,356	4,933	4,717	3,879	3,094	2,821	2,597	2,475	2,369	2,250	2,155		
1988	16,395	15,768	15,283	14,768	14,276	13,653	12,832	13,025	12,482	11,976	11,450	10,969	10,554	10,101	9,744	9,230	8,793	8,458			
1989	7,676	7,349	6,993	6,781	6,565	6,348	5,243	4,648	4,450	4,146	3,854	3,581	3,370	3,175	3,017	2,874	2,712				
1990	11,302	10,642	9,835	9,062	8,362	7,783	7,268	6,726	6,247	5,770	5,292	4,840	4,487	3,833	3,497	3,219					
1991	14,881	14,079	13,494	12,697	11,531	10,605	10,110	9,369	8,728	8,304	7,799	6,811	6,161	5,333	5,169						
1992	12,124	11,240	10,751	10,310	9,726	9,153	8,123	7,763	7,187	6,569	6,250	5,944	5,515	5,312							
1993	22,056	21,492	20,599	18,843	18,256	17,535	16,749	15,724	14,674	13,749	13,048	12,310	11,263								
1994	17,980	17,081	16,047	15,474	14,720	13,900	13,307	12,695	11,912	11,036	10,581	10,141									
1995	15,114	14,357	13,678	13,037	12,379	11,738	10,856	10,136	9,531	9,169	8,782										
1996	18,322	17,499	16,646	15,718	14,649	13,616	12,953	12,309	11,885	11,447											
1997	21,049	19,993	18,997	17,736	16,813	15,866	15,069	14,389	13,850												
1998	16,499	15,670	14,629	13,834	12,424	11,522	10,944	10,591													
1999	15,205	14,286	13,504	12,980	12,492	12,047	11,668														
2000	15,107	14,453	13,881	13,294	12,811	12,145															
2001	15,238	14,378	13,854	13,312	12,910																
2002	13,138	12,527	12,060	11,475																	
2003	12,256	11,304	11,095																		
2004	18,656	18,017																			
2005	15,784																				
2006																					
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2015																					
2016																					
2017																					
2018																					
2019																					
2020																					
2021																					
2022																					

IMPLIED NUMBER OF OPEN AND IBNR LOST TIME CLAIMS

Accident Period Ending	AGE OF DEVELOPMENT IN MONTHS																				
	6/30	216	228	240	252	264	276	288	300	312	324	336	348	360	372	384	396	408	420	432	
1987	33	35	37	39	37	32	30	24	24	24	20	18	19	16	15	11	10	11	11		
1988	27	34	36	32	26	28	25	19	20	19	23	20	18	17	16	15	14	14			
1989	23	29	29	24	22	18	18	15	14	13	15	13	10	12	13	11	10				
1990	48	48	53	51	52	48	46	39	39	40	35	32	27	20	19	19					
1991	55	57	62	55	52	55	49	44	49	43	42	40	38	38	29						
1992	51	50	47	44	45	43	41	36	41	34	30	27	26	21							
1993	56	54	50	51	48	47	44	40	37	36	34	33									
1994	68	62	60	56	57	52	54	52	44	40	36	31									
1995	54	55	50	47	48	44	43	40	40	37	30										
1996	65	61	56	58	54	49	45	43	40	41											
1997	59	54	49	49	41	38	39	35	32												
1998	53	53	50	52	47	42	35	34													
1999	62	60	50	44	46	44	42														
2000	58	56	46	42	37	38															
2001	57	49	48	45	44																
2002	52	51	48	45																	
2003	47	45	42																		
2004	48	44																			
2005	38																				
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2019																					
2020																					
2021																					
2022																					

AVERAGE IMPLIED OUTSTANDING LOSS PER IMPLIED NUMBER OF OPEN AND IBNR LOST TIME CLAIMS

Accident Period Ending	AGE OF DEVELOPMENT IN MONTHS																				
	6/30	216	228	240	252	264	276	288	300	312	324	336	348	360	372	384	396	408	420	432	
1987	307,402	259,876	232,298	190,880	189,116	209,027	211,044	250,778	223,163	205,534	235,844	215,484	162,855	176,331	173,142	224,970	236,927	204,505	195,876		
1988	607,204	463,767	424,516	461,488	549,095	487,618	513,286	685,517	624,083	630,320	497,840	548,473	586,317	594,156	608,992	615,335	628,043	604,121			
1989	333,750	253,417	241,123	282,525	298,416	352,688	291,296	309,840	317,859	318,890	256,959	275,473	337,047	264,563	232,115	261,302	271,187				
1990	235,451	221,707	185,564	177,680	160,815	162,156	158,011	172,471	160,190	144,258	151,187	151,254	166,182	191,647	184,065	169,409					
1991	270,559	246,997	217,640	230,848	221,743	192,822	206,328	212,938	178,132	193,127	185,688	170,264	162,121	140,335	178,230						
1992	237,717	224,798	228,750	234,315	216,131	212,870	198,116	215,634	175,291	193,196	208,329	220,151	212,127	252,930							
1993	393,866	397,991	411,982	369,465	380,334	373,084	380,665	393,096	396,584	381,916	383,764	373,024	363,313								
1994	264,408	275,507	267,444	276,317	256,248	267,314	246,417	244,132	270,725	275,889	293,915	327,135									
1995	279,895	261,040	273,556	277,385	257,901	266,770	252,454	253,405	238,273	247,808	292,722										
1996	281,882	286,864	297,253	270,994	271,280	277,872	287,834	286,248	297,128	279,188											
1997	356,763	370,244	387,698	361,954	410,066	417,520	386,385	411,120	432,816												
1998	311,295	295,658	292																		

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - TOTAL

RATIO OF PAID LOSS TO INCURRED LOSS

Accident Period Ending	<u>AGE OF DEVELOPMENT IN MONTHS</u>																		
	216	228	240	252	264	276	288	300	312	324	336	348	360	372	384	396	408	420	432
1987	0.9789	0.9624	0.9302	0.9355	0.9457	0.9406	0.9110	0.9151	0.9309	0.7339	0.8890	0.9176	0.9205	0.9219	0.9363	0.9459	0.9421	0.9412	0.9438
1988	0.8794	0.8953	0.9073	0.9039	0.9086	0.8979	0.8840	0.8508	0.7505	0.7866	0.7921	0.7890	0.7766	0.7948	0.8138	0.8459	0.8529	0.8325	
1989	0.9691	0.9686	0.9724	0.9524	0.9582	0.9482	0.9341	0.8802	0.8850	0.8966	0.8966	0.8951	0.9018	0.9118	0.9308	0.9409	0.9390		
1990	0.9283	0.9352	0.9092	0.9071	0.8973	0.8826	0.8307	0.8291	0.8451	0.8326	0.8623	0.8643	0.8852	0.9087	0.9119	0.9450			
1991	0.9370	0.9139	0.8848	0.8789	0.8566	0.7815	0.8122	0.8301	0.8244	0.8338	0.8413	0.8466	0.8738	0.8899	0.9148				
1992	0.8807	0.9123	0.9121	0.9055	0.8689	0.8927	0.8652	0.8726	0.8643	0.8539	0.8771	0.8835	0.9027	0.9167					
1993	0.8812	0.8510	0.8357	0.7501	0.7597	0.7742	0.7610	0.7746	0.7701	0.7760	0.8063	0.8202	0.8420						
1994	0.8690	0.8575	0.7922	0.8049	0.7914	0.7887	0.7967	0.8095	0.8433	0.8263	0.8426	0.8664							
1995	0.8511	0.7410	0.7492	0.7417	0.7480	0.7539	0.7616	0.7727	0.7977	0.8212	0.8471								
1996	0.7183	0.7326	0.7371	0.7382	0.7335	0.7598	0.7772	0.7661	0.8000	0.8267									
1997	0.7291	0.7306	0.7186	0.7351	0.7494	0.7628	0.7770	0.7882	0.8001										
1998	0.7948	0.7930	0.8048	0.7934	0.7823	0.7998	0.8378	0.8485											
1999	0.6176	0.7162	0.7479	0.7634	0.7551	0.7858	0.8178												
2000	0.7187	0.7163	0.7403	0.7659	0.7986	0.8176													
2001	0.7627	0.7746	0.7856	0.8077	0.8413														
2002	0.7969	0.8003	0.8182	0.8343															
2003	0.8179	0.8444	0.8639																
2004	0.7521	0.7766																	
2005	0.7755																		
2006																			
2007																			
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2019																			
2020																			
2021																			
2022																			

RATIO OF CLOSED LOST TIME CLAIMS TO REPORTED LOST TIME CLAIMS

Accident Period Ending	<u>AGE OF DEVELOPMENT IN MONTHS</u>																		
	216	228	240	252	264	276	288	300	312	324	336	348	360	372	384	396	408	420	432
1987	0.9844	0.9828	0.9818	0.9807	0.9818	0.9845	0.9855	0.9887	0.9887	0.9887	0.9893	0.9904	0.9898	0.9914	0.9920	0.9941	0.9946	0.9941	0.9941
1988	0.9856	0.9823	0.9823	0.9842	0.9871	0.9861	0.9875	0.9909	0.9904	0.9904	0.9890	0.9904	0.9914	0.9919	0.9923	0.9928	0.9933	0.9933	
1989	0.9881	0.9860	0.9860	0.9886	0.9897	0.9917	0.9912	0.9928	0.9928	0.9933	0.9923	0.9933	0.9948	0.9938	0.9933	0.9943	0.9948		
1990	0.9791	0.9791	0.9767	0.9777	0.9772	0.9791	0.9800	0.9806	0.9810	0.9806	0.9829	0.9848	0.9872	0.9905	0.9910	0.9910			
1991	0.9762	0.9753	0.9729	0.9762	0.9777	0.9762	0.9758	0.9783	0.9758	0.9787	0.9792	0.9802	0.9812	0.9816	0.9860				
1992	0.9791	0.9796	0.9810	0.9823	0.9819	0.9805	0.9814	0.9837	0.9814	0.9846	0.9864	0.9878	0.9882	0.9905					
1993	0.9755	0.9764	0.9783	0.9778	0.9774	0.9779	0.9793	0.9812	0.9826	0.9831	0.9840	0.9845	0.9854						
1994	0.9711	0.9738	0.9746	0.9755	0.9751	0.9773	0.9764	0.9773	0.9808	0.9825	0.9843	0.9865							
1995	0.9749	0.9744	0.9758	0.9773	0.9768	0.9787	0.9792	0.9807	0.9807	0.9821	0.9855								
1996	0.9641	0.9636	0.9666	0.9654	0.9678	0.9707	0.9731	0.9743	0.9761	0.9755									
1997	0.9620	0.9652	0.9684	0.9684	0.9736	0.9755	0.9749	0.9774	0.9794										
1998	0.9662	0.9662	0.9681	0.9675	0.9706	0.9737	0.9781	0.9787											
1999	0.9573	0.9587	0.9656	0.9697	0.9683	0.9697	0.9711												
2000	0.9563	0.9578	0.9653	0.9683	0.9721	0.9713													
2001	0.9544	0.9608	0.9616	0.9640	0.9648														
2002	0.9542	0.9551	0.9577	0.9604															
2003	0.9623	0.9639	0.9663																
2004	0.9627	0.9658																	
2005	0.9684																		
2006																			
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2022																			

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - TOTAL

INCURRED LOSS DIVIDED BY EXPOSURE (PAYROLL IN MILLIONS)

Accident Period Ending	AGE OF DEVELOPMENT IN MONTHS																	
	6/30	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204
1987											11.8419	11.6622	11.4662	11.3639	11.4470	11.7995	11.8131	12.1533
1988										14.4773	13.2753	13.3082	14.0691	14.7588	14.6795	14.8167	15.2616	15.5920
1989										13.2928	13.4266	13.4642	13.4035	13.4144	13.3827	13.6873	13.9011	13.8835
1990									12.1756	12.4842	13.3657	13.7028	13.7500	14.0717	14.1640	14.5782	14.8920	15.3392
1991									9.8691	10.5401	11.3484	11.6824	11.8528	12.0433	12.0731	12.2333	12.5008	13.4768
1992						10.5785			11.2607	12.2364	12.7898	13.1078	13.6206	13.5912	13.7567	14.3964	14.7248	16.3168
1993					9.4522	11.1709	11.4188	11.6783	12.0001	12.7001	12.8873	12.9721	13.0510	13.6708	14.0749	14.3376	15.0238	15.2243
1994				9.7092	11.5368	12.3618	12.6598	13.2762	14.0039	14.7422	14.9666	15.0990	15.3469	15.5449	15.7258	15.9995	16.5568	17.2808
1995			5.2550	6.8650	7.4370	7.8247	8.1346	8.6586	9.0285	9.3511	9.5239	9.9237	10.0103	10.5062	10.7408	11.1668	11.7726	12.0996
1996		3.1915	5.6616	6.4208	7.0618	7.9901	9.3304	9.7304	10.1110	10.6135	11.5107	11.6647	11.8635	12.1552	12.6017	12.8458	13.3440	14.2992
1997		3.9876	5.5073	6.4601	7.8170	8.8837	9.4319	9.7875	10.3214	11.0926	11.5329	11.8287	12.0502	12.5941	13.2127	13.9942	14.5024	16.8985
1998		4.1144	5.6134	6.7957	7.9542	8.6968	9.3240	9.7353	10.5386	11.0528	11.2796	11.7291	12.3614	12.5968	13.0149	13.2142	14.3118	14.2904
1999		3.0408	4.2128	5.1473	5.8518	6.4061	7.0064	7.9196	8.5903	9.0322	9.7978	9.9985	10.3198	11.2146	11.4912	13.5688	13.5494	15.8336
2000		2.9630	4.0709	4.8037	5.5068	6.1181	7.2355	7.9494	8.4641	9.2283	9.7526	10.6270	11.0774	12.1096	13.0808	12.9742	12.9987	13.4221
2001		3.4357	5.1195	5.8963	6.7423	7.8387	8.7045	9.4708	10.3349	10.9084	11.4586	11.9824	12.7740	14.3182	14.3367	14.7417	14.8068	14.9531
2002		3.1268	4.4976	5.2309	6.1101	6.9404	7.5685	8.3898	9.3512	9.5928	10.1554	10.4217	12.0164	11.6276	11.7615	12.0654	12.2930	12.1810
2003		4.1078	5.0538	5.9554	6.8571	7.7802	8.9929	9.7220	10.8551	11.8387	12.7769	14.6080	14.3382	14.5530	14.5276	14.9940	14.7995	14.3729
2004		4.0021	4.8648	5.6727	6.5639	7.5799	8.4795	9.5803	11.4462	12.2909	14.8092	14.5623	14.8190	15.1054	14.5837	14.3644	15.0315	15.0822
2005		3.4962	4.0775	4.7047	5.6157	6.1644	7.2200	8.2109	8.9068	11.5850	11.7035	11.4991	11.4256	11.3731	11.6777	10.7961	11.3232	11.3536
2006		3.4232	4.2993	5.3989	6.0927	6.7292	8.0213	9.2931	13.0087	12.9060	12.6217	12.7835	13.2034	13.1931	13.4719	13.3627	13.0650	12.7890
2007		3.4658	4.4368	4.9643	5.4971	6.4303	7.2149	10.9680	11.0045	11.0245	10.9513	11.2905	11.0414	10.8189	10.6353	10.5761	10.5613	
2008		3.3566	4.3018	4.7390	5.2170	5.7654	9.4667	9.4024	9.4756	9.3345	9.9379	10.3447	10.0853	10.3106	11.0714	11.0208		
2009		3.2972	3.7156	4.0218	4.6059	8.0048	7.9172	8.0797	8.2325	8.1508	8.0894	7.9178	7.7146	7.5410	7.4864			
2010		3.8157	4.4076	5.1569	10.1733	10.0512	10.7577	11.6891	11.6057	11.3111	10.6312	10.4015	10.1718	10.0129				
2011		4.0414	4.4352	9.3761	9.7794	10.0774	11.0135	10.7762	10.5216	10.3484	10.2611	9.8726	10.0727					
2012		3.1364	5.6581	6.1032	8.1437	9.3485	9.7804	10.2005	10.1762	9.4043	9.5139	9.3317						
2013		4.0544	4.6156	5.7873	7.5545	8.7122	8.7722	9.2188	9.5872	9.3604	9.0451							
2014		3.5930	4.9499	7.1878	9.0717	8.5956	8.6630	8.4576	8.2572	8.1413								
2015		3.5003	4.8888	7.0992	8.2416	9.1764	9.1962	8.8664	9.3468									
2016		3.4032	4.7672	6.0426	7.1547	7.8199	7.0619	6.9163										
2017		3.5934	4.3734	5.6086	6.5305	6.6081	6.7443											
2018		3.4899	3.8485	4.8198	5.2009	5.4163												
2019		2.9687	3.5174	4.0829	4.3753													
2020		2.6062	3.0170	3.9020														
2021		2.7620	3.5185															
2022		2.3887																

PAID LOSS DIVIDED BY EXPOSURE (PAYROLL IN MILLIONS)

Accident Period Ending	AGE OF DEVELOPMENT IN MONTHS																	
	6/30	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204
1987											10.6636	10.9621	11.1506	11.1584	11.2817	11.5264	11.6696	11.8710
1988											11.3105	11.9796	12.4624	13.3249	13.7847	14.0101	14.2631	14.5175
1989											11.6987	12.4350	12.7267	12.9420	13.0742	13.1968	13.3093	13.5018
1990										9.7447	10.6709	11.4745	12.2929	12.8423	13.2235	13.5406	13.8118	14.2341
1991											8.8050	9.5314	10.2514	10.8707	11.3425	11.6341	11.8311	12.4796
1992						8.6149	9.4105	10.2171	10.9996	11.7437	12.4754	12.9765	13.3411	13.6099	13.8212	13.9798	14.2203	14.5094
1993					7.4043	8.1813	9.1523	9.8547	10.5544	11.2428	11.8587	12.2692	12.5486	12.8195	13.0438	13.2460	13.6256	13.7989
1994				6.5785	7.5564	8.7653	9.6138	10.4294	11.2989	12.1569	12.8537	13.3605	13.6783	13.9276	14.2055	14.4352	14.6655	14.9102
1995			3.9295	4.9062	5.7071	6.2834	6.8213	7.3246	7.8560	8.3804	8.8565	9.2077	9.3947	9.5606	9.7264	9.8871	10.0833	10.3081
1996		1.7072	3.7695	4.8913	5.6227	6.2971	6.9429	7.6429	8.3074	8.8896	9.5397	9.9159	10.2482	10.6173	10.8760	11.0263	11.4555	11.7052
1997		1.6888	3.8847	4.8543	5.6761	6.4324	7.1773	7.8766	8.5358	9.2283	9.8542	10.2686	10.5952	10.8815	11.1364	11.4459	11.6594	12.0169
1998		1.8605	3.7802	4.9330	5.9057	6.7259	7.4655	7.9869	8.6545	9.1862	9.7212	10.0726	10.3054	10.5419	10.7550	10.9799	11.1695	11.3245
1999		1.4033	3.1454	4.0792	4.8022	5.3832	5.8607	6.4027	6.9211	7.4199	7.8721	8.1694	8.4582	8.6573	8.8803	9.1559	9.4349	9.6792
2000		1.4600	3.0219	3.8982	4.5533	5.1478	5.7859	6.3384	6.8943	7.4697	7.9578	8.3221	8.5677	8.7875	8.9670	9.1569	9.3561	9.4940
2001		1.4441	3.2880	4.4384	5.3348	6.2027	6.8784	7.5529	8.2357	8.8849	9.4794	9.8568	10.1136	10.3788	10.6269	10.9471	11.1739	11.3305
2002		1.5377	3.3058	4.2380	5.0112	5.6100	6.2239	6.7311	7.2693	7.7338	8.1455	8.4466	8.6236	8.7728	8.9091	9.0717	9.2327	9.4000
2003		1.7866	3.5510	4.5740	5.4449	6.1554	6.9191	7.5429	8.1589	8.7570	9.3226	9.8895	10.1405	10.4744	10.7451	11.0927	11.2560	11.3569
2004		1.6898	3.6121	4.5409	5.3262	6.0418	6.6991	7.2863	7.8345	8.4272	9.0172	9.4253	9.7303	10.0575	10.2247	10.4567	10.7582	10.9289
2005		1.4144	2.9072	3.6402	4.2321	4.7898	5.3457	5.8473	6.3227	6.8243	7.3122	7.7854	8.0222	8.1838	8.3936	8.5199	8.6504	8.7482
2006		1.4495	3.1914	4.1731	4.8130	5.4153	5.9898	6.6014	7.2016	7.7156	8.2763	8.6141	8.8768	9.1571	9.4011	9.6286	9.7721	9.9182
2007		1.4765	3.0909	3.9529	4.5961	5.1334	5.6264	6.1263	6.5574	6.9650	7.4132	7.7715	7.9332	8.0537	8.1547	8.2674	8.3538	
2008		1.3872	3.0451	3.8384	4.3861	4.8970	5.2975	5.6740	6.0444	6.4012	6.7707	7.0412	7.2763	7.4891	7.8030	7.9804		
2009		1.3732	2.8162	3.4300	3.8614	4.2659	4.6294	4.9643	5.2566	5.6122	5.8820	6.0392	6.1696	6.3010	6.4277			
2010		1.6858	3.3799	4.1979	4.7934	5.3188	5.8186	6.3289	7.1527	7.7168	8.0817	8.2325	8.3513	8.4292				
2011		1.7108	3.4539	4.2738	4.8713	5.3932	5.9646	6.5617	6.9708	7.2883	7.6148	7.8701	7.9940					
2012		1.4441	2.9502	3.6521	4.3348	4.8982	5.5449	6.0187	6.4461	6.7972	7.1333	7.2919						
2013		1.5322	3.0043	3.7535	4.4600	5.1160	5.5664	5.9700	6.3125	6.6100	6.9097							
2014		1.5278	3.0634	3.8405	4.5112	5.0791	5.5031	5.8724	6.2015	6.4035								
2015		1.4049	3.0094	3.8013	4.4301	4.9188	5.3644	5.6786	5.9342									

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - TOTAL

INCURRED LOSS DIVIDED BY EXPOSURE (PAYROLL IN MILLIONS)

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																		
	216	228	240	252	264	276	288	300	312	324	336	348	360	372	384	396	408	420	432
1987	12.3655	13.1177	13.8393	14.3714	14.4518	14.6936	15.3649	15.4664	15.5565	20.0198	16.6474	16.5815	16.9528	17.0733	16.9300	16.8229	16.9467	17.0247	17.0279
1988	16.9711	16.9956	17.0207	17.3514	17.5145	18.0475	18.7650	19.3919	22.3215	21.5970	21.7551	22.1260	22.7294	22.4769	22.1566	21.5976	21.6600	22.3798	
1989	13.9316	14.0833	14.1864	14.5785	14.5873	14.8392	15.5697	16.8137	16.8170	16.7448	16.8849	17.0441	17.0178	16.9219	16.6502	16.5355	16.6445		
1990	16.0706	16.2277	17.0386	17.4116	17.9060	18.4604	19.8557	20.1505	19.9887	20.5127	20.0248	20.1808	19.8606	19.6289	19.7042	19.1296			
1991	13.7302	14.3717	15.0670	15.4735	16.3339	18.3040	17.8161	17.7319	18.1170	18.0839	18.1242	18.4039	18.0823	18.0677	17.6363				
1992	16.7351	16.4858	16.6728	16.9622	17.9066	17.6495	18.6175	18.6014	19.0083	19.4857	19.0968	19.0754	18.8337	18.6206					
1993	16.0088	16.7935	17.4513	20.2104	20.2095	20.1342	20.8219	20.8909	21.4604	21.6867	21.1582	21.0939	20.9563						
1994	17.5116	18.0681	19.9606	19.8647	20.4964	20.8867	20.9068	20.8077	20.2594	21.0035	20.7634	20.3490							
1995	12.3867	14.5252	14.6305	15.0284	15.1588	15.2876	15.4708	15.5189	15.2525	14.9442	14.6219								
1996	16.6862	16.6932	16.9311	17.2780	17.8168	17.6010	17.4584	17.9600	17.3532	16.9493									
1997	16.8427	17.2378	17.9352	18.0410	18.0634	18.1141	18.0866	18.0840	18.0162										
1998	14.4697	14.7796	14.9063	15.3850	16.0822	16.0288	15.4859	15.3997											
1999	15.9850	14.0999	13.7613	13.6503	13.9596	13.5550	13.1389												
2000	13.4137	13.6697	13.4044	13.1331	12.7336	12.6256													
2001	15.0490	15.0577	14.9908	14.7265	14.2420														
2002	11.9904	12.1050	11.9642	11.8847															
2003	14.0955	13.8816	13.6462																
2004	14.7988	14.5158																	
2005	11.3960																		
2006																			
2007																			
2008																			
2009																			
2010																			
2011																			
2012																			
2013																			
2014																			
2015																			
2016																			
2017																			
2018																			
2019																			
2020																			
2021																			
2022																			

PAID LOSS DIVIDED BY EXPOSURE (PAYROLL IN MILLIONS)

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																		
	216	228	240	252	264	276	288	300	312	324	336	348	360	372	384	396	408	420	432
1987	12.1044	12.6251	12.8736	13.4450	13.6669	13.8201	13.9976	14.1528	14.4819	14.6920	14.7992	15.2153	15.6048	15.7404	15.8517	15.9125	15.9648	16.0242	16.0714
1988	14.9243	15.2168	15.4435	15.6840	15.9134	16.2044	16.5879	16.4979	16.7516	16.9877	17.2332	17.4578	17.6519	17.8635	18.0301	18.2701	18.4744	18.6308	
1989	13.5016	13.6417	13.7945	13.8853	13.9776	14.0704	14.5439	14.7991	14.8837	15.0142	15.1389	15.2560	15.3462	15.4301	15.4975	15.5588	15.6284		
1990	14.9191	15.1768	15.4920	15.7941	16.0673	16.2934	16.4946	16.7064	16.8934	17.0798	17.2668	17.4432	17.5812	17.8366	17.9678	18.0765			
1991	12.8647	13.1346	13.3316	13.5998	13.9923	14.3038	14.4705	14.7198	14.9355	15.0782	15.2484	15.5810	15.7998	16.0784	16.1337				
1992	14.7380	15.0405	15.2078	15.3589	15.5588	15.7548	16.1077	16.2309	16.4280	16.6397	16.7488	16.8535	17.0003	17.0701					
1993	14.1067	14.2918	14.5844	15.1600	15.3523	15.5887	15.8462	16.1823	16.5265	16.8296	17.0593	17.3013	17.6445						
1994	15.2178	15.4942	15.8127	15.9890	16.2209	16.4732	16.6560	16.8442	17.0851	17.3548	17.4948	17.6301							
1995	10.5428	10.7631	10.9608	11.1473	11.3387	11.5253	11.7821	11.9914	12.1675	12.2729	12.3855								
1996	11.9865	12.2292	12.4804	12.7540	13.0688	13.3733	13.5687	13.7585	13.8832	14.0124									
1997	12.2804	12.5933	12.8885	13.2624	13.5360	13.8167	14.0528	14.2543	14.4141										
1998	11.5002	11.7200	11.9960	12.2068	12.5807	12.8199	12.9734	13.0670											
1999	9.8719	10.0985	10.2916	10.4208	10.5411	10.6510	10.7445												
2000	9.6407	9.7912	9.9231	10.0582	10.1695	10.3228													
2001	11.4779	11.6639	11.7774	11.8945	11.9814														
2002	9.5554	9.6877	9.7890	9.9159															
2003	11.5287	11.7215	11.7884																
2004	11.1302	11.2736																	
2005	8.8371																		
2006																			
2007																			
2008																			
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COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - TOTAL

REPORTED LOST TIME CLAIMS DIVIDED BY EXPOSURE (PAYROLL IN MILLIONS)

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																			
	216	228	240	252	264	276	288	300	312	324	336	348	360	372	384	396	408	420	432	
1987	0.9255	0.9260	0.9260	0.9260	0.9260	0.9260	0.9260	0.9260	0.9260	0.9260	0.9275	0.9275	0.9275	0.9275	0.9275	0.9275	0.9275	0.9275	0.9275	0.9275
1988	0.9756	0.9756	0.9746	0.9746	0.9746	0.9746	0.9746	0.9746	0.9742	0.9742	0.9746	0.9742	0.9742	0.9742	0.9742	0.9742	0.9742	0.9742	0.9742	0.9742
1989	0.8298	0.8290	0.8290	0.8290	0.8290	0.8290	0.8294	0.8294	0.8298	0.8298	0.8298	0.8298	0.8298	0.8298	0.8298	0.8298	0.8298	0.8298	0.8298	0.8298
1990	0.8223	0.8223	0.8223	0.8223	0.8223	0.8223	0.8223	0.8246	0.8242	0.8242	0.8239	0.8239	0.8239	0.8239	0.8239	0.8239	0.8239	0.8239	0.8239	0.8239
1991	0.6944	0.6944	0.6944	0.6944	0.6944	0.6944	0.6967	0.6967	0.6967	0.6967	0.6967	0.6967	0.6967	0.6967	0.6964	0.6964				
1992	0.7549	0.7549	0.7549	0.7549	0.7549	0.7566	0.7566	0.7566	0.7566	0.7566	0.7566	0.7566	0.7566	0.7566	0.7566					
1993	0.6952	0.6952	0.6952	0.6952	0.6965	0.6965	0.6965	0.6965	0.6965	0.6965	0.6965	0.6965	0.6965	0.6965						
1994	0.7035	0.7035	0.7035	0.7041	0.7041	0.7041	0.7041	0.7041	0.7041	0.7041	0.7041	0.7041	0.7041	0.7041						
1995	0.6018	0.6018	0.6024	0.6024	0.6024	0.6024	0.6024	0.6024	0.6024	0.6024	0.6024	0.6024	0.6024							
1996	0.4921	0.4935	0.4935	0.4935	0.4935	0.4935	0.4935	0.4935	0.4935	0.4935	0.4935	0.4935	0.4935							
1997	0.4597	0.4597	0.4597	0.4597	0.4597	0.4597	0.4597	0.4597	0.4597	0.4597	0.4597	0.4597	0.4597							
1998	0.4240	0.4240	0.4240	0.4238	0.4238	0.4238	0.4238	0.4238	0.4238	0.4238	0.4238	0.4238	0.4238							
1999	0.3583	0.3583	0.3583	0.3583	0.3583	0.3583	0.3583	0.3583												
2000	0.3054	0.3054	0.3054	0.3054	0.3054	0.3054														
2001	0.2704	0.2704	0.2704	0.2704	0.2704															
2002	0.2460	0.2460	0.2460	0.2460																
2003	0.2791	0.2791	0.2791																	
2004	0.2884	0.2884																		
2005	0.2459																			
2006																				
2007																				
2008																				
2009																				
2010																				
2011																				
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2015																				
2016																				
2017																				
2018																				
2019																				
2020																				
2021																				
2022																				

CLOSED LOST TIME CLAIMS DIVIDED BY EXPOSURE (PAYROLL IN MILLIONS)

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																			
	216	228	240	252	264	276	288	300	312	324	336	348	360	372	384	396	408	420	432	
1987	0.9111	0.9101	0.9091	0.9081	0.9091	0.9116	0.9126	0.9156	0.9156	0.9156	0.9176	0.9185	0.9181	0.9195	0.9200	0.9220	0.9225	0.9220	0.9220	0.9220
1988	0.9616	0.9583	0.9574	0.9592	0.9620	0.9611	0.9625	0.9653	0.9648	0.9653	0.9634	0.9648	0.9658	0.9662	0.9667	0.9672	0.9676	0.9676	0.9676	
1989	0.8200	0.8174	0.8174	0.8196	0.8204	0.8221	0.8221	0.8234	0.8238	0.8243	0.8234	0.8243	0.8256	0.8247	0.8243	0.8251	0.8256			
1990	0.8051	0.8051	0.8032	0.8039	0.8035	0.8051	0.8059	0.8086	0.8086	0.8082	0.8102	0.8114	0.8133	0.8160	0.8164	0.8164				
1991	0.6779	0.6772	0.6755	0.6779	0.6789	0.6779	0.6799	0.6816	0.6799	0.6819	0.6823	0.6829	0.6836	0.6836	0.6866					
1992	0.7391	0.7395	0.7405	0.7415	0.7412	0.7419	0.7426	0.7443	0.7426	0.7450	0.7463	0.7473	0.7477	0.7494						
1993	0.6781	0.6788	0.6801	0.6798	0.6808	0.6811	0.6821	0.6834	0.6844	0.6847	0.6853	0.6857	0.6863							
1994	0.6832	0.6850	0.6857	0.6869	0.6866	0.6881	0.6875	0.6881	0.6906	0.6918	0.6931	0.6946								
1995	0.5866	0.5863	0.5878	0.5887	0.5884	0.5895	0.5898	0.5907	0.5907	0.5916	0.5936									
1996	0.4744	0.4756	0.4770	0.4765	0.4776	0.4791	0.4803	0.4809	0.4818	0.4815										
1997	0.4422	0.4437	0.4452	0.4452	0.4476	0.4484	0.4482	0.4493	0.4502											
1998	0.4097	0.4097	0.4105	0.4100	0.4113	0.4126	0.4145	0.4148												
1999	0.3430	0.3435	0.3460	0.3474	0.3469	0.3474	0.3479													
2000	0.2921	0.2925	0.2948	0.2957	0.2969	0.2967														
2001	0.2580	0.2598	0.2600	0.2606	0.2608															
2002	0.2347	0.2350	0.2356	0.2363																
2003	0.2686	0.2690	0.2697																	
2004	0.2776	0.2785																		
2005	0.2381																			
2006																				
2007																				
2008																				
2009																				
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2022																				

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - TOTAL

RATIO OF PAID LOSS TO CLOSED LOST TIME CLAIMS

Accident Period Ending 6/30	<u>AGE OF DEVELOPMENT IN MONTHS</u>																
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204
1987														12,335	12,720	12,794	12,931
1988													14,406	14,641	14,812	15,069	15,469
1989												15,899	16,062	16,153	16,223	16,397	16,449
1990											16,187	16,505	16,778	17,139	17,322	17,697	18,248
1991										16,478	16,875	17,214	17,488	17,709	18,017	18,400	18,662
1992									16,476	17,427	17,770	18,201	18,362	18,647	18,861	19,257	19,630
1993								16,093	17,100	17,938	18,332	18,469	18,858	19,263	19,561	20,093	20,368
1994							15,748	17,077	18,288	19,256	19,635	19,985	20,294	20,727	21,129	21,408	21,844
1995						11,978	12,816	13,697	14,626	15,410	15,790	16,070	16,330	16,596	16,837	17,231	17,589
1996					13,877	15,104	16,574	17,969	19,167	20,582	21,138	21,738	22,492	23,041	23,711	24,238	24,689
1997				13,817	15,391	17,029	18,583	20,083	21,667	23,024	23,600	24,219	24,772	25,404	26,040	26,490	27,265
1998			14,028	15,906	17,515	19,281	20,488	22,035	23,295	24,487	24,988	25,431	25,897	26,420	26,955	27,349	27,675
1999		12,497	13,332	15,075	16,653	17,778	19,306	20,745	22,192	23,423	24,113	24,785	25,259	25,909	26,732	27,567	28,260
2000	27,441	13,226	15,247	16,882	18,641	20,778	22,557	24,395	26,410	28,021	28,906	29,616	30,256	30,679	31,453	32,036	32,405
2001	18,294	17,082	20,099	23,031	26,167	28,625	31,180	33,968	36,322	38,582	39,186	40,001	40,771	41,639	42,894	43,672	44,023
2002	21,178	18,830	21,025	23,496	25,806	28,291	30,476	32,689	34,542	35,894	36,799	37,149	37,547	38,236	39,043	39,588	40,082
2003	19,022	16,506	19,296	21,994	24,642	27,502	29,691	32,258	34,471	36,377	38,123	38,690	39,862	40,788	42,037	42,226	42,533
2004	17,985	16,337	18,360	20,891	23,168	25,491	27,702	29,584	31,608	33,764	34,710	35,803	36,825	37,223	38,006	39,006	39,465
2005	17,018	15,979	17,443	19,720	21,800	24,084	26,127	28,251	30,244	32,203	33,920	34,522	35,156	35,931	36,124	36,551	36,774
2006	18,695	18,077	21,487	23,984	26,361	28,917	31,666	34,202	36,676	39,059	40,150	41,228	42,121	42,980	43,754	44,178	44,532
2007	20,129	19,132	22,158	24,830	27,122	29,060	31,612	33,742	35,773	37,620	38,972	39,284	39,845	40,164	40,575	40,963	
2008	22,013	22,512	24,862	27,062	29,318	31,459	33,490	35,570	37,821	39,644	40,579	41,404	42,656	44,315	45,234		
2009	23,024	20,188	21,703	23,560	25,766	27,408	29,391	31,091	32,966	34,382	34,825	35,406	35,954	36,433			
2010	26,234	23,533	26,308	29,003	31,480	34,335	37,383	41,549	44,479	46,004	46,071	46,430	46,516				
2011	28,651	24,313	27,311	29,911	32,513	35,598	38,812	40,587	42,353	43,697	44,519	44,964					
2012	26,833	26,164	29,728	34,085	38,037	42,064	44,895	47,968	49,461	51,665	51,675						
2013	30,894	27,661	30,739	35,125	39,320	41,823	44,488	46,550	48,352	49,858							
2014	30,696	29,219	32,713	36,276	39,873	42,396	44,719	46,795	47,990								
2015	35,059	26,900	30,451	34,460	37,437	40,101	42,122	43,824									
2016	30,899	28,559	32,740	36,521	40,464	42,905	44,080										
2017	34,211	31,287	35,825	38,772	41,989	43,751											
2018	32,077	26,804	30,384	33,315	35,255												
2019	24,131	24,253	27,508	29,862													
2020	25,086	25,574	28,400														
2021	26,387	30,672															
2022	21,541																

CLOSED LOST TIME CLAIMS DIVIDED BY ULTIMATE LOST TIME CLAIMS (DISPOSAL RATE)

Accident Period Ending 6/30	<u>AGE OF DEVELOPMENT IN MONTHS</u>																
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204
1987														0.9866	0.9770	0.9834	0.9898
1988														0.9823	0.9823	0.9885	0.9842
1989													0.9809	0.9809	0.9845	0.9855	0.9892
1990											0.9630	0.9725	0.9796	0.9782	0.9815	0.9763	0.9777
1991										0.9473	0.9652	0.9705	0.9715	0.9763	0.9749	0.9739	0.9744
1992									0.9421	0.9462	0.9652	0.9688	0.9796	0.9796	0.9796	0.9760	0.9769
1993								0.9416	0.9440	0.9492	0.9609	0.9755	0.9760	0.9722	0.9722	0.9736	0.9727
1994							0.9406	0.9397	0.9441	0.9480	0.9663	0.9720	0.9747	0.9733	0.9703	0.9729	0.9684
1995						0.9454	0.9488	0.9522	0.9512	0.9541	0.9681	0.9705	0.9720	0.9729	0.9749	0.9715	0.9729
1996					0.9194	0.9313	0.9343	0.9367	0.9397	0.9391	0.9504	0.9552	0.9564	0.9564	0.9576	0.9576	0.9606
1997				0.8936	0.8991	0.9168	0.9220	0.9246	0.9265	0.9310	0.9465	0.9516	0.9555	0.9536	0.9562	0.9574	0.9587
1998			0.8298	0.8761	0.9061	0.9136	0.9199	0.9268	0.9305	0.9368	0.9512	0.9562	0.9606	0.9606	0.9612	0.9637	0.9656
1999		0.7025	0.8540	0.8891	0.9022	0.9201	0.9256	0.9311	0.9332	0.9380	0.9456	0.9525	0.9566	0.9566	0.9559	0.9552	0.9559
2000	0.1742	0.7481	0.8371	0.8831	0.9042	0.9118	0.9201	0.9253	0.9261	0.9299	0.9427	0.9472	0.9510	0.9570	0.9532	0.9563	0.9593
2001	0.2920	0.7120	0.8168	0.8568	0.8768	0.8888	0.8960	0.8968	0.9048	0.9088	0.9304	0.9352	0.9416	0.9440	0.9440	0.9464	0.9520
2002	0.2952	0.7137	0.8194	0.8670	0.8837	0.8943	0.8978	0.9040	0.9101	0.9225	0.9330	0.9436	0.9498	0.9471	0.9445	0.9480	0.9533
2003	0.3365	0.7708	0.8494	0.8870	0.8950	0.9014	0.9103	0.9063	0.9103	0.9183	0.9295	0.9391	0.9415	0.9439	0.9455	0.9551	0.9567
2004	0.3258	0.7667	0.8577	0.8841	0.9044	0.9114	0.9121	0.9184	0.9246	0.9261	0.9417	0.9425	0.9471	0.9526	0.9541	0.9565	0.9603
2005	0.3380	0.7400	0.8488	0.8729	0.8937	0.9028	0.9103	0.9103	0.9178	0.9236	0.9336	0.9452	0.9468	0.9502	0.9593	0.9626	0.9676
2006	0.3333	0.7590	0.8350	0.8627	0.8832	0.8905	0.8962	0.9052	0.9044	0.9109	0.9224	0.9257	0.9346	0.9404	0.9461	0.9510	0.9575
2007	0.3459	0.7617	0.8412	0.8728	0.8924	0.9129	0.9137	0.9163	0.9180	0.9291	0.9402	0.9522	0.9530	0.9573	0.9607	0.9616	
2008	0.3407	0.7313	0.8347	0.8763	0.9030	0.9104	0.9160	0.9187	0.9151	0.9234	0.9381	0.9501	0.9492	0.9520	0.9538		
2009	0.3266	0.7640	0.8655	0.8975	0.9067	0.9250	0.9250	0.9259	0.9323	0.9369	0.9497	0.9543	0.9597	0.9661			
2010	0.3404	0.7609	0.8453	0.8756	0.8951	0.8978	0.8969	0.9120	0.9191	0.9307	0.9467	0.9529	0.9600				
2011	0.3236	0.7700	0.8482	0.8827	0.8991	0.9082	0.9164	0.9309	0.9327	0.9445	0.9582	0.9636					
2012	0.3601	0.7546	0.8221	0.8510	0.8617	0.8821	0.8971	0.8992	0.9196	0.9239	0.9443						
2013	0.3369	0.7377	0.8294	0.8625	0.8838	0.9041	0.9115	0.9211	0.9286	0.9414							
2014	0.3500	0.7372	0.8255	0.8745	0.8957	0.9128	0.9234	0.9319	0.9383								
2015	0.2767	0.7726	0.8621	0.8879	0.9074	0.9239	0.9311	0.9352									
2016	0.3709	0.7768	0.8435	0.8840	0.9147	0.9322	0.9409										
2017	0.3689	0.7652	0.8323	0.8820	0.9056	0.9267											
2018	0.3668	0.7885	0.8602	0.9020	0.9271												
2019	0.4233	0.8108	0.8730	0.9153													
2020	0.4485	0.7997	0.8759														
2021	0.4387	0.7925															
2022	0.4431																

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - TOTAL

RATIO OF PAID LOSS TO CLOSED LOST TIME CLAIMS

Accident Period Ending	<u>AGE OF DEVELOPMENT IN MONTHS</u>																			
	216	228	240	252	264	276	288	300	312	324	336	348	360	372	384	396	408	420	432	
6/30																				
1987	13,285	13,872	14,161	14,805	15,033	15,160	15,338	15,458	15,817	16,047	16,129	16,565	16,998	17,118	17,229	17,258	17,306	17,379	17,431	
1988	15,521	15,879	16,131	16,351	16,541	16,860	17,234	17,091	17,362	17,598	17,887	18,094	18,278	18,488	18,651	18,890	19,092	19,254		
1989	16,466	16,689	16,876	16,942	17,037	17,115	17,690	17,973	18,066	18,215	18,385	18,508	18,589	18,710	18,801	18,856	18,931			
1990	18,531	18,851	19,289	19,646	19,996	20,238	20,468	20,660	20,892	21,132	21,312	21,499	21,617	21,857	22,008	22,141				
1991	18,978	19,395	19,735	20,062	20,610	21,101	21,283	21,596	21,967	22,111	22,350	22,815	23,112	23,520	23,497					
1992	19,940	20,339	20,537	20,713	20,992	21,237	21,692	21,808	22,124	22,337	22,442	22,551	22,737	22,778						
1993	20,802	21,055	21,444	22,301	22,552	22,888	23,232	23,680	24,149	24,580	24,891	25,232	25,708							
1994	22,274	22,618	23,062	23,277	23,625	23,939	24,226	24,478	24,740	25,086	25,243	25,382								
1995	17,971	18,356	18,647	18,936	19,271	19,549	19,975	20,300	20,598	20,746	20,864									
1996	25,267	25,715	26,162	26,768	27,361	27,913	28,251	28,611	28,818	29,104										
1997	27,770	28,382	28,951	29,791	30,244	30,810	31,357	31,723	32,015											
1998	28,068	28,604	29,221	29,773	30,586	31,068	31,299	31,504												
1999	28,781	29,400	29,748	29,993	30,383	30,656	30,881													
2000	33,010	33,472	33,658	34,010	34,253	34,797														
2001	44,484	44,903	45,303	45,639	45,935															
2002	40,707	41,233	41,549	41,972																
2003	42,925	43,570	43,710																	
2004	40,094	40,480																		
2005	37,116																			
2006																				
2007																				
2008																				
2009																				
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2017																				
2018																				
2019																				
2020																				
2021																				
2022																				

CLOSED LOST TIME CLAIMS DIVIDED BY ULTIMATE LOST TIME CLAIMS (DISPOSAL RATE)

Accident Period Ending	<u>AGE OF DEVELOPMENT IN MONTHS</u>																			
	216	228	240	252	264	276	288	300	312	324	336	348	360	372	384	396	408	420	432	
6/30																				
1987	0.9823	0.9813	0.9802	0.9791	0.9802	0.9829	0.9839	0.9872	0.9872	0.9872	0.9893	0.9904	0.9898	0.9914	0.9920	0.9941	0.9946	0.9941	0.9941	
1988	0.9871	0.9837	0.9827	0.9847	0.9875	0.9866	0.9880	0.9909	0.9904	0.9909	0.9890	0.9904	0.9914	0.9919	0.9923	0.9928	0.9933	0.9933	0.9941	
1989	0.9881	0.9850	0.9850	0.9876	0.9886	0.9907	0.9907	0.9923	0.9928	0.9933	0.9923	0.9933	0.9948	0.9938	0.9933	0.9943	0.9948			
1990	0.9772	0.9772	0.9749	0.9758	0.9753	0.9772	0.9782	0.9815	0.9815	0.9810	0.9834	0.9848	0.9872	0.9905	0.9910	0.9910				
1991	0.9734	0.9725	0.9700	0.9734	0.9749	0.9734	0.9763	0.9787	0.9763	0.9792	0.9797	0.9807	0.9816	0.9816	0.9860					
1992	0.9769	0.9774	0.9787	0.9801	0.9796	0.9805	0.9814	0.9837	0.9814	0.9846	0.9864	0.9878	0.9882	0.9905						
1993	0.9736	0.9746	0.9765	0.9760	0.9774	0.9779	0.9793	0.9812	0.9826	0.9831	0.9840	0.9845	0.9854							
1994	0.9703	0.9729	0.9738	0.9755	0.9751	0.9773	0.9764	0.9773	0.9808	0.9825	0.9843	0.9865								
1995	0.9739	0.9734	0.9758	0.9773	0.9768	0.9787	0.9792	0.9807	0.9807	0.9821	0.9855									
1996	0.9612	0.9636	0.9666	0.9654	0.9678	0.9707	0.9731	0.9743	0.9761	0.9755										
1997	0.9620	0.9652	0.9684	0.9684	0.9736	0.9755	0.9749	0.9774	0.9794											
1998	0.9668	0.9668	0.9687	0.9675	0.9706	0.9737	0.9781	0.9787												
1999	0.9573	0.9587	0.9656	0.9697	0.9683	0.9697	0.9711													
2000	0.9563	0.9578	0.9653	0.9683	0.9721	0.9713														
2001	0.9544	0.9608	0.9616	0.9640	0.9648															
2002	0.9542	0.9551	0.9577	0.9604																
2003	0.9623	0.9639	0.9663																	
2004	0.9627	0.9658																		
2005	0.9684																			
2006																				
2007																				
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2022																				

Supporting Exhibits

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - MEDICAL

SUMMARY OF GROSS PAYMENTS AND REQUIRED RESERVES

ACCIDENT YEAR ENDING 6/30	(1)	(2)	(3)	(4)	(5)	(6)	(7)
	SELECTED ULTIMATE LOSSES	PAID LOSS TO DATE	CASE RESERVES	SELECTED LOSS I.B.N.R.	PROJECTED UNDISCOUNTED RESERVE	DISCOUNT FACTOR	PROJECTED DISCOUNTED RESERVE
1987	21,368	19,265	1,891	212	2,103	0.743	1,563
1988	32,311	24,216	7,730	365	8,094	0.741	5,996
1989	21,357	18,709	2,368	280	2,648	0.738	1,955
1990	27,773	25,013	2,337	423	2,760	0.735	2,030
1991	32,604	27,866	4,163	575	4,738	0.732	3,471
1992	32,912	27,793	4,449	671	5,120	0.729	3,734
1993	44,487	33,693	9,750	1,044	10,794	0.726	7,837
1994	45,017	35,450	8,371	1,196	9,566	0.723	6,914
1995	32,634	24,739	6,919	976	7,895	0.719	5,679
1996	41,723	30,467	9,868	1,388	11,256	0.716	8,058
1997	44,402	30,674	12,091	1,637	13,728	0.712	9,779
1998	39,681	29,560	8,515	1,606	10,121	0.709	7,174
1999	39,167	28,057	9,373	1,736	11,109	0.705	7,834
2000	37,778	26,726	9,233	1,820	11,052	0.702	7,754
2001	42,978	30,424	10,320	2,235	12,554	0.698	8,762
2002	36,227	25,985	8,211	2,031	10,242	0.694	7,111
2003	41,956	31,252	8,180	2,523	10,703	0.691	7,391
2004	48,135	31,078	13,967	3,089	17,057	0.687	11,711
2005	40,211	25,441	12,027	2,743	14,770	0.683	10,085
2006	50,461	32,335	14,468	3,657	18,125	0.679	12,309
2007	42,503	26,913	12,029	3,561	15,590	0.676	10,532
2008	50,629	29,564	16,860	4,205	21,065	0.672	14,156
2009	33,018	23,782	6,286	2,950	9,236	0.669	6,175
2010	45,111	31,703	9,073	4,334	13,407	0.664	8,907
2011	48,661	31,402	12,233	5,026	17,259	0.660	11,386
2012	44,216	27,109	12,203	4,905	17,107	0.655	11,200
2013	43,835	26,561	12,079	5,195	17,273	0.649	11,217
2014	40,558	25,452	9,995	5,111	15,106	0.644	9,726
2015	51,081	25,243	20,462	5,376	25,838	0.639	16,504
2016	37,780	24,577	7,385	5,818	13,203	0.635	8,378
2017	35,661	19,699	9,084	6,879	15,962	0.630	10,060
2018	32,228	17,276	7,199	7,752	14,952	0.629	9,406
2019	30,720	13,512	7,800	9,408	17,208	0.630	10,836
2020	31,319	11,093	7,631	12,596	20,226	0.633	12,798
2021	32,871	10,084	7,329	15,459	22,787	0.643	14,646
2022	<u>31,512</u>	<u>4,443</u>	<u>9,016</u>	<u>18,054</u>	<u>27,070</u>	0.683	<u>18,501</u>
TOTALS	1,384,883	907,155	330,895	146,834	477,728		321,578

NOTES BY COLUMN:

- (1) EXH. WC MED-6 COL. (7)
(2) FROM EXH. WC MED-15
(3) EXH. WC MED-13 - EXH. WC MED-15
(4) COL. (1) - COL. (2) - COL. (3)
(5) COL. (3) + COL. (4)
(6) BASED ON 2.78% DISCOUNT RATE AND PAYMENT PATTERN (EXH. WC MED-14)
(7) COL. (5) x COL. (6)
ALL DOLLARS ARE IN THOUSANDS

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - MEDICAL

PROJECTION OF ULTIMATE LOSSES FOR ACCIDENT YEARS 2023-2027

ACCIDENT YEAR ENDING 6/30	(1)	(2)	(3)
	PAYROLL (MILLIONS)	PROJECTED LOSS PER EXPOSURE	PROJECTED ULTIMATE LOSS
2023	8,773.64	4.016	35,235
2024	9,228.64	3.815	35,210
2025	9,231.15	3.624	33,458
2026	9,231.99	3.443	31,788
2027	9,231.99	3.271	30,199

NOTES BY COLUMN:

(1) PROVIDED BY COMMONWEALTH OF VIRGINIA

(2) EXH. WC MED-7 COL. (3) SELECTED TIMES TREND FACTOR OF 0.95

ALSO INCLUDES ESTIMATED IMPACT OF PTSD PRESUMPTION.

(3) COL. (1) x COL. (2)

ALL DOLLARS ARE IN THOUSANDS

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - MEDICAL

PROJECTION OF REQUIRED UNDISCOUNTED RESERVE AT FISCAL YEAR END

ACCIDENT YEAR ENDING 6/30	AS OF 6/30					
	2022	2023	2024	2025	2026	2027
	1987	2,103	1,956	1,819	1,692	1,573
1988	8,094	7,548	7,020	6,529	6,072	5,647
1989	2,648	2,474	2,307	2,146	1,995	1,856
1990	2,760	2,584	2,414	2,251	2,094	1,947
1991	4,738	4,443	4,159	3,885	3,623	3,370
1992	5,120	4,808	4,507	4,219	3,942	3,676
1993	10,794	10,151	9,533	8,938	8,366	7,817
1994	9,566	9,009	8,472	7,956	7,460	6,982
1995	7,895	7,445	7,011	6,594	6,192	5,805
1996	11,256	10,628	10,022	9,438	8,876	8,335
1997	13,728	12,978	12,253	11,555	10,881	10,233
1998	10,121	9,579	9,055	8,550	8,062	7,593
1999	11,109	10,526	9,962	9,417	8,892	8,385
2000	11,052	10,484	9,933	9,401	8,887	8,391
2001	12,554	11,921	11,307	10,713	10,140	9,585
2002	10,242	9,735	9,244	8,768	8,308	7,863
2003	10,703	10,184	9,680	9,192	8,719	8,261
2004	17,057	16,258	15,470	14,704	13,962	13,244
2005	14,770	14,085	13,425	12,774	12,142	11,529
2006	18,125	17,293	16,491	15,719	14,957	14,217
2007	15,590	14,882	14,199	13,540	12,906	12,280
2008	21,065	20,120	19,206	18,324	17,474	16,656
2009	9,236	8,827	8,431	8,048	7,679	7,323
2010	13,407	12,854	12,285	11,734	11,201	10,687
2011	17,259	16,582	15,898	15,195	14,513	13,854
2012	17,107	16,469	15,824	15,171	14,500	13,849
2013	17,273	16,660	16,039	15,410	14,774	14,121
2014	15,106	14,594	14,076	13,551	13,020	12,483
2015	25,838	24,953	24,108	23,251	22,384	21,507
2016	13,203	12,731	12,294	11,878	11,456	11,029
2017	15,962	15,406	14,854	14,345	13,860	13,367
2018	14,952	14,314	13,815	13,320	12,864	12,428
2019	17,208	16,400	15,700	15,153	14,611	14,110
2020	20,226	19,139	18,240	17,462	16,853	16,250
2021	22,787	21,122	19,987	19,048	18,235	17,599
2022	<u>27,070</u>	22,711	21,052	19,920	18,984	18,174
2023		<u>29,371</u>	24,642	22,841	21,613	20,598
2024			<u>29,350</u>	24,624	22,825	21,598
2025				<u>27,890</u>	23,399	21,689
2026					<u>26,498</u>	22,231
2027						<u>25,173</u>
TOTAL	477,728	481,223	484,085	485,147	484,791	483,204

NOTES:
RESERVE PROJECTIONS BASED ON EXH. WC MED-5
ALL DOLLARS ARE IN THOUSANDS

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - MEDICAL

PROJECTION OF REQUIRED DISCOUNTED RESERVE AT FISCAL YEAR END

ACCIDENT YEAR ENDING 6/30	AS OF 6/30					
	2022	2023	2024	2025	2026	2027
	1987	1,563	1,457	1,359	1,268	1,183
1988	5,996	5,610	5,230	4,877	4,549	4,245
1989	1,955	1,833	1,714	1,598	1,491	1,390
1990	2,030	1,907	1,788	1,673	1,560	1,455
1991	3,471	3,267	3,070	2,878	2,693	2,510
1992	3,734	3,521	3,315	3,115	2,920	2,732
1993	7,837	7,403	6,982	6,573	6,176	5,791
1994	6,914	6,541	6,179	5,827	5,486	5,154
1995	5,679	5,381	5,091	4,809	4,535	4,269
1996	8,058	7,645	7,243	6,852	6,473	6,104
1997	9,779	9,290	8,814	8,351	7,901	7,463
1998	7,174	6,823	6,482	6,150	5,827	5,513
1999	7,834	7,461	7,096	6,741	6,396	6,060
2000	7,754	7,393	7,040	6,697	6,362	6,036
2001	8,762	8,364	7,974	7,594	7,223	6,862
2002	7,111	6,795	6,486	6,183	5,889	5,601
2003	7,391	7,071	6,756	6,449	6,149	5,855
2004	11,711	11,227	10,740	10,263	9,796	9,339
2005	10,085	9,671	9,271	8,869	8,474	8,089
2006	12,309	11,808	11,323	10,855	10,384	9,922
2007	10,532	10,107	9,695	9,297	8,913	8,526
2008	14,156	13,592	13,043	12,512	11,998	11,502
2009	6,175	5,932	5,696	5,466	5,243	5,028
2010	8,907	8,594	8,256	7,927	7,607	7,297
2011	11,386	11,016	10,629	10,211	9,804	9,409
2012	11,200	10,865	10,513	10,143	9,744	9,356
2013	11,217	10,907	10,581	10,238	9,878	9,489
2014	9,726	9,478	9,216	8,940	8,650	8,346
2015	16,504	16,066	15,656	15,223	14,767	14,288
2016	8,378	8,132	7,916	7,714	7,500	7,276
2017	10,060	9,776	9,488	9,236	9,001	8,752
2018	9,406	9,021	8,766	8,508	8,282	8,071
2019	10,836	10,318	9,895	9,615	9,333	9,085
2020	12,798	12,052	11,475	11,005	10,694	10,380
2021	14,646	13,365	12,585	11,984	11,493	11,168
2022	<u>18,501</u>	14,597	13,320	12,543	11,943	11,454
2023		<u>20,075</u>	15,838	14,453	13,610	12,959
2024			<u>20,060</u>	15,826	14,442	13,600
2025				<u>19,062</u>	15,039	13,724
2026					<u>18,111</u>	14,289
2027						<u>17,205</u>
TOTAL	321,578	324,359	326,582	327,525	327,517	326,697

NOTES:

RESERVE PROJECTIONS BASED ON EXH. WC MED-5, PAYMENT PATTERN (EXH. WC MED-14), DISCOUNTED AT AN INTEREST RATE OF 2.78%
ALL DOLLARS ARE IN THOUSANDS

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - MEDICAL

PROJECTED PAYMENTS BY FISCAL YEAR

ACCIDENT YEAR ENDING 6/30	ESTIMATED RESERVE/ ULTIMATE AS OF 6/30/22					
		2023	2024	2025	2026	2027
1987	2,103	147	137	127	118	110
1988	8,094	546	528	491	457	425
1989	2,648	174	167	161	150	140
1990	2,760	177	170	163	158	147
1991	4,738	296	284	273	262	254
1992	5,120	312	300	288	277	266
1993	10,794	643	619	595	572	549
1994	9,566	557	537	516	497	477
1995	7,895	450	434	418	402	386
1996	11,256	628	606	584	562	541
1997	13,728	751	724	699	673	648
1998	10,121	542	524	505	487	470
1999	11,109	583	564	545	526	507
2000	11,052	569	550	532	514	496
2001	12,554	634	614	594	574	554
2002	10,242	507	491	476	460	445
2003	10,703	519	504	489	473	458
2004	17,057	798	789	765	742	719
2005	14,770	685	659	651	632	613
2006	18,125	832	802	772	762	740
2007	15,590	708	683	659	634	626
2008	21,065	945	914	882	850	818
2009	9,236	409	396	383	370	356
2010	13,407	553	569	551	533	514
2011	17,259	676	684	704	682	659
2012	17,107	638	645	653	671	650
2013	17,273	614	621	629	636	654
2014	15,106	512	518	525	531	537
2015	25,838	885	845	856	867	877
2016	13,203	473	436	416	422	427
2017	15,962	557	551	509	486	492
2018	14,952	638	499	494	456	436
2019	17,208	808	700	547	542	501
2020	20,226	1,087	899	778	609	603
2021	22,787	1,665	1,136	939	813	636
2022	27,070	4,359	1,660	1,132	936	810
2023	35,235	<u>5,864</u>	4,729	1,801	1,228	1,015
2024	35,210		<u>5,860</u>	4,726	1,799	1,227
2025	33,458			<u>5,568</u>	4,491	1,710
2026	31,788				<u>5,291</u>	4,267
2027	<u>30,199</u>					<u>5,026</u>
TOTAL	643,619	31,741	32,348	32,396	32,144	31,786

NOTES:

BASED ON EXH. WC MED-2 COL. (3) AND EXH. WC MED-1 COL. (5) AND PAYMENT PATTERN (EXH. WC MED-14)
ESTIMATED RESERVE / ULTIMATE COLUMN EQUAL TO OUTSTANDING RESERVES THROUGH 2022 AND
EXPECTED ULTIMATES FROM 2023 TO 2027
ALL DOLLARS ARE IN THOUSANDS

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - MEDICAL

SUMMARY OF PROJECTIONS OF ULTIMATE LOSSES

ACCIDENT YEAR ENDING 6/30	(1)	(2)	(3)	(4)	(5)	(6)	(7)
	BORN-FERG (INCURRED)	BORN-FERG (PAID)	INCURRED DEVELOPMENT	PAID LOSS DEVELOPMENT	OUTSTANDING LOSS DEVELOPMENT	HINDSIGHT AVERAGE CLAIM COST	SELECTED ULTIMATE LOSSES
1987	21,659	25,505	21,368	21,962	21,322	23,115	21,368
1988	32,525	30,976	32,311	27,889	32,671	29,116	32,311
1989	21,773	26,200	21,357	21,779	21,320	22,209	21,357
1990	28,194	33,351	27,773	29,447	27,613	31,663	27,773
1991	33,106	37,671	32,604	33,197	32,543	38,016	32,604
1992	33,404	37,546	32,912	33,527	32,844	35,143	32,912
1993	44,771	43,983	44,487	41,182	44,888	44,543	44,487
1994	45,342	46,506	45,017	43,934	45,156	46,300	45,017
1995	33,378	36,518	32,634	31,109	32,841	35,239	32,634
1996	42,131	42,172	41,723	38,905	42,123	44,817	41,723
1997	44,644	42,368	44,402	39,807	45,080	41,874	44,402
1998	40,266	42,679	39,681	39,019	39,782	41,460	39,681
1999	39,880	42,194	39,167	37,704	39,395	42,757	39,167
2000	38,667	41,894	37,778	36,598	37,966	40,026	37,778
2001	43,702	46,585	42,978	42,496	43,056	45,824	42,978
2002	37,220	42,103	36,227	37,061	36,092	41,735	36,227
2003	42,419	46,849	41,956	45,563	41,370	46,477	41,956
2004	48,065	46,581	48,135	46,352	48,424	47,138	48,135
2005	40,816	42,401	40,211	38,874	40,426	39,406	40,211
2006	50,435	50,481	50,461	50,697	50,423	51,575	50,461
2007	42,814	45,861	42,215	43,367	42,031	43,676	42,503
2008	50,603	49,550	50,629	49,048	50,881	48,314	50,629
2009	34,433	44,089	33,018	40,696	31,789	37,749	33,018
2010	45,217	51,739	45,111	55,964	43,360	48,803	45,111
2011	48,172	51,221	48,661	57,219	47,267	46,802	48,661
2012	44,159	47,588	44,216	51,020	43,095	46,349	44,216
2013	43,660	47,146	43,835	51,668	42,536	44,161	43,835
2014	40,708	46,452	40,558	51,207	38,788	44,012	40,558
2015	51,081	46,222	52,744	52,678	52,755	45,403	51,081
2016	37,780	46,006	37,454	53,443	34,714	41,857	37,780
2017	35,051	41,146	34,412	44,733	32,534	38,579	35,661
2018	31,419	39,508	29,942	41,588	27,745	36,796	32,228
2019	29,758	36,173	27,628	34,950	25,946	31,752	30,720
2020	30,711	34,765	27,874	31,536	26,552	32,213	31,319
2021	32,871	34,622	31,126	33,540	29,890	32,524	32,871
2022	<u>30,750</u>	<u>33,800</u>	<u>26,439</u>	<u>26,694</u>	<u>26,378</u>	<u>35,003</u>	<u>31,512</u>
TOTALS	1,391,581	1,500,453	1,369,042	1,456,451	1,351,596	1,442,425	1,384,883

NOTES BY COLUMN:

- (1) FROM EXH. WC MED-7 COL. (9)
(2) FROM EXH. WC MED-8 COL. (9)
(3) FROM EXH. WC MED-9 COL. (4)
(4) EXH. WC MED-10 COL. (4)
(5) EXH. WC MED-11 COL. (5)
(6) DERIVED FROM EXH. WC MED-16K
(7) BASED ON COLS. (1) THROUGH (6), INCURRED LOSSES AND JUDGMENT.
ALL DOLLARS ARE IN THOUSANDS

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - MEDICAL

ESTIMATED ULTIMATE LOSS - BORNHUETTER/FERGUSON INCURRED METHOD

ACCIDENT YEAR ENDING 6/30	(1) EXPOSURE	(2) PROJECTED PURE PREMIUM	(3) TRENDED* PURE PREM AT 1/22	(4) SELECTED PURE PREMIUM	(5) EXPECTED LOSS	(6) PERCENTAGE UNREPORTED LOSS	(7) EXPECTED UNREPORTED LOSS	(8) INCURRED LOSS	(9) ESTIMATED ULTIMATE LOSS
1987	2,014.05	10.609	1.762	25.231	50,817	1.0%	503	21,156	21,659
1988	2,141.31	15.089	2.638	23.970	51,326	1.1%	579	31,946	32,525
1989	2,334.18	9.150	1.684	22.771	53,152	1.3%	696	21,077	21,773
1990	2,559.91	10.849	2.102	21.633	55,377	1.5%	843	27,350	28,194
1991	2,971.00	10.974	2.238	20.551	61,057	1.8%	1,077	32,029	33,106
1992	2,921.00	11.268	2.418	19.523	57,028	2.0%	1,162	32,242	33,404
1993	3,051.00	14.581	3.294	18.547	56,587	2.3%	1,328	43,443	44,771
1994	3,249.40	13.854	3.295	17.620	57,254	2.7%	1,521	43,821	45,342
1995	3,436.52	9.496	2.377	16.739	57,523	3.0%	1,721	31,657	33,378
1996	3,393.80	12.294	3.240	15.902	53,968	3.3%	1,795	40,335	42,131
1997	3,373.85	13.161	3.651	15.107	50,968	3.7%	1,880	42,765	44,644
1998	3,770.79	10.523	3.073	14.351	54,116	4.0%	2,190	38,075	40,266
1999	4,052.54	9.665	2.971	13.634	55,252	4.4%	2,449	37,430	39,880
2000	4,341.67	8.701	2.815	12.952	56,234	4.8%	2,709	35,959	38,667
2001	4,623.59	9.295	3.166	12.305	56,891	5.2%	2,958	40,744	43,702
2002	4,613.75	7.852	2.815	11.689	53,932	5.6%	3,024	34,195	37,220
2003	4,471.67	9.383	3.541	11.105	49,657	6.0%	2,986	39,433	42,419
2004	4,459.64	10.793	4.287	10.550	47,048	6.4%	3,019	45,046	48,065
2005	4,897.17	8.211	3.433	10.022	49,080	6.8%	3,348	37,468	40,816
2006	5,262.19	9.589	4.221	9.521	50,101	7.2%	3,631	46,803	50,435
2007	5,521.29	7.698	3.566	9.045	49,940	7.8%	3,871	38,942	42,814
2008	5,855.25	8.647	4.217	8.593	50,313	8.3%	4,179	46,424	50,603
2009	5,985.58	5.516	2.832	8.163	48,861	8.9%	4,365	30,068	34,433
2010	5,959.94	7.569	4.090	7.755	46,219	9.6%	4,441	40,776	45,217
2011	5,962.22	8.162	4.642	7.367	43,925	10.3%	4,537	43,635	48,172
2012	6,243.36	7.082	4.240	6.999	43,696	11.1%	4,847	39,312	44,159
2013	6,371.40	6.880	4.336	6.649	42,363	11.9%	5,020	38,640	43,660
2014	6,610.00	6.539	4.338	6.316	41,752	12.6%	5,261	35,447	40,708
2015	6,712.89	7.857	5.487	6.001	40,282	13.3%	5,376	45,705	51,081
2016	6,959.72	5.956	4.378	5.701	39,675	14.7%	5,818	31,962	37,780
2017	7,076.45	5.592	4.327	5.416	38,323	16.4%	6,269	28,782	35,051
2018	7,391.93	4.838	3.941	5.145	38,030	18.3%	6,943	24,476	31,419
2019	7,558.68	4.139	3.549	4.888	36,943	22.9%	8,446	21,312	29,758
2020	7,864.70	3.777	3.409	4.643	36,517	32.8%	11,988	18,724	30,711
2021	7,876.91	4.105	3.900	4.454	35,087	44.1%	15,459	17,412	32,871
2022	8,327.14	<u>3.190</u>	3.190	4.229	<u>35,219</u>	49.1%	<u>17,291</u>	<u>13,458</u>	<u>30,750</u>
TOTAL	180,216				1,744,512		153,532	1,238,049	1,391,581
AVERAGE		8.691	3.429						
SELECTED			4.190						

* Trend Factor= 0.950

NOTES BY COLUMN:

- (1) FROM COMMONWEALTH OF VIRGINIA. EXPOSURES = PAYROLL IN MILLIONS OF DOLLARS
- (2) AVERAGE OF ULT. LOSSES FROM EXH. WC MED-6 COL. (3) AND (4) / COL. (1)
- (3) COL. (2) x TREND ^ (2022 - AY)
- (4) SELECTED TRENDED PURE PREMIUM / TREND ^ (2022-AY)
- 2021 FORWARD INCLUDES ADJUSTMENT FOR PTSD PRESUMPTION.
- SELECTED TREND IS IN EXCESS OF WAGE INFLATION.
- ALL DOLLARS ARE IN THOUSANDS

- (5) COL. (4) x COL. (1)
- (6) 1-(1/(CUM. SELECTED FACTOR (EXH. WC MED-12)))
- (7) COL. (6) x COL. (5)
- (8) FROM EXH. WC MED-9
- (9) COL. (8) + COL. (7)

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - MEDICAL

ESTIMATED ULTIMATE LOSS - BORNHUETTER / FERGUSON PAID METHOD

ACCIDENT YEAR ENDING 6/30	(1) EXPOSURE	(2) PROJECTED PURE PREMIUM	(3) TRENDED* PURE PREM AT 1/22	(4) SELECTED PURE PREMIUM	(5) EXPECTED LOSS	(6) PERCENTAGE UNPAID LOSS	(7) EXPECTED UNPAID LOSS	(8) PAID LOSS	(9) ESTIMATED ULTIMATE LOSS
1987	2,014.05	10.609	1.762	25.231	50,817	12.3%	6,241	19,265	25,505
1988	2,141.31	15.089	2.638	23.970	51,326	13.2%	6,759	24,216	30,976
1989	2,334.18	9.150	1.684	22.771	53,152	14.1%	7,491	18,709	26,200
1990	2,559.91	10.849	2.102	21.633	55,377	15.1%	8,338	25,013	33,351
1991	2,971.00	10.974	2.238	20.551	61,057	16.1%	9,806	27,866	37,671
1992	2,921.00	11.268	2.418	19.523	57,028	17.1%	9,753	27,793	37,546
1993	3,051.00	14.581	3.294	18.547	56,587	18.2%	10,291	33,693	43,983
1994	3,249.40	13.854	3.295	17.620	57,254	19.3%	11,056	35,450	46,506
1995	3,436.52	9.496	2.377	16.739	57,523	20.5%	11,780	24,739	36,518
1996	3,393.80	12.294	3.240	15.902	53,968	21.7%	11,705	30,467	42,172
1997	3,373.85	13.161	3.651	15.107	50,968	22.9%	11,694	30,674	42,368
1998	3,770.79	10.523	3.073	14.351	54,116	24.2%	13,119	29,560	42,679
1999	4,052.54	9.665	2.971	13.634	55,252	25.6%	14,136	28,057	42,194
2000	4,341.67	8.701	2.815	12.952	56,234	27.0%	15,169	26,726	41,894
2001	4,623.59	9.295	3.166	12.305	56,891	28.4%	16,161	30,424	46,585
2002	4,613.75	7.852	2.815	11.689	53,932	29.9%	16,118	25,985	42,103
2003	4,471.67	9.383	3.541	11.105	49,657	31.4%	15,597	31,252	46,849
2004	4,459.64	10.793	4.287	10.550	47,048	33.0%	15,503	31,078	46,581
2005	4,897.17	8.211	3.433	10.022	49,080	34.6%	16,960	25,441	42,401
2006	5,262.19	9.589	4.221	9.521	50,101	36.2%	18,146	32,335	50,481
2007	5,521.29	7.698	3.566	9.045	49,940	37.9%	18,948	26,913	45,861
2008	5,855.25	8.647	4.217	8.593	50,313	39.7%	19,986	29,564	49,550
2009	5,985.58	5.516	2.832	8.163	48,861	41.6%	20,308	23,782	44,089
2010	5,959.94	7.569	4.090	7.755	46,219	43.4%	20,036	31,703	51,739
2011	5,962.22	8.162	4.642	7.367	43,925	45.1%	19,818	31,402	51,221
2012	6,243.36	7.082	4.240	6.999	43,696	46.9%	20,479	27,109	47,588
2013	6,371.40	6.880	4.336	6.649	42,363	48.6%	20,585	26,561	47,146
2014	6,610.00	6.539	4.338	6.316	41,752	50.3%	20,999	25,452	46,452
2015	6,712.89	7.857	5.487	6.001	40,282	52.1%	20,979	25,243	46,222
2016	6,959.72	5.956	4.378	5.701	39,675	54.0%	21,430	24,577	46,006
2017	7,076.45	5.592	4.327	5.416	38,323	56.0%	21,447	19,699	41,146
2018	7,391.93	4.838	3.941	5.145	38,030	58.5%	22,232	17,276	39,508
2019	7,558.68	4.139	3.549	4.888	36,943	61.3%	22,661	13,512	36,173
2020	7,864.70	3.777	3.409	4.643	36,517	64.8%	23,672	11,093	34,765
2021	7,876.91	4.105	3.900	4.454	35,087	69.9%	24,538	10,084	34,622
2022	<u>8,327.14</u>	<u>3.190</u>	<u>3.190</u>	4.229	<u>35,219</u>	83.4%	<u>29,357</u>	<u>4,443</u>	<u>33,800</u>
TOTAL	180,216				1,744,512		593,298	907,155	1,500,453
AVERAGE		8.691	3.429						
SELECTED			4.190						

* Trend Factor= 0.950

NOTES BY COLUMN:

- (1) FROM COMMONWEALTH OF VIRGINIA. EXPOSURES = PAYROLL IN MILLIONS OF DOLLARS
- (2) AVERAGE OF ULT. LOSSES FROM EXH. WC MED-6 COL. (3) AND (4) / COL. (1)
- (3) COL. (2) x TREND ^ (2022 - AY)
- (4) SELECTED TRENDED PURE PREMIUM / TREND ^ (2022-AY)
- 2021 FORWARD INCLUDES ADJUSTMENT FOR PTSD PRESUMPTION.
- SELECTED TREND IS IN EXCESS OF WAGE INFLATION.
- ALL DOLLARS ARE IN THOUSANDS

- (5) COL. (4) x COL. (1)
- (6) 1-(1/(CUM. SELECTED FACTOR (EXH. WC MED-14)))
- (7) COL. (6) x COL. (5)
- (8) FROM EXH. WC MED-15
- (9) COL. (8) + COL. (7)

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - MEDICAL

ESTIMATED ULTIMATE LOSS
INCURRED LOSS DEVELOPMENT METHOD

ACCIDENT YEAR ENDING 6/30	(1)	(2)	(3)	(4)
	INCURRED LOSS	INCURRED LOSS DEV'T FACTORS	SELECTED INCURRED LOSS DEV'T FACTORS	ESTIMATED ULTIMATE LOSS
1987	21,156	1.0100	1.0100	21,368
1988	31,946	1.0114	1.0114	32,311
1989	21,077	1.0133	1.0133	21,357
1990	27,350	1.0155	1.0155	27,773
1991	32,029	1.0180	1.0180	32,604
1992	32,242	1.0208	1.0208	32,912
1993	43,443	1.0240	1.0240	44,487
1994	43,821	1.0273	1.0273	45,017
1995	31,657	1.0308	1.0308	32,634
1996	40,335	1.0344	1.0344	41,723
1997	42,765	1.0383	1.0383	44,402
1998	38,075	1.0422	1.0422	39,681
1999	37,430	1.0464	1.0464	39,167
2000	35,959	1.0506	1.0506	37,778
2001	40,744	1.0548	1.0548	42,978
2002	34,195	1.0594	1.0594	36,227
2003	39,433	1.0640	1.0640	41,956
2004	45,046	1.0686	1.0686	48,135
2005	37,468	1.0732	1.0732	40,211
2006	46,803	1.0781	1.0781	50,461
2007	38,942	1.0840	1.0840	42,215
2008	46,424	1.0906	1.0906	50,629
2009	30,068	1.0981	1.0981	33,018
2010	40,776	1.1063	1.1063	45,111
2011	43,635	1.1152	1.1152	48,661
2012	39,312	1.1248	1.1248	44,216
2013	38,640	1.1344	1.1344	43,835
2014	35,447	1.1442	1.1442	40,558
2015	45,705	1.1540	1.1540	52,744
2016	31,962	1.1718	1.1718	37,454
2017	28,782	1.1956	1.1956	34,412
2018	24,476	1.2234	1.2234	29,942
2019	21,312	1.2964	1.2964	27,628
2020	18,724	1.4887	1.4887	27,874
2021	17,412	1.7876	1.7876	31,126
2022	<u>13,458</u>	1.9645	1.9645	26,439
TOTAL	1,238,049			1,369,042

NOTES BY COLUMN:

(1) FROM EXH. WC MED-13

(2) FROM EXH. WC MED-12

(3) BASED ON COLUMN (2) AND JUDGMENT

(4) COL. (1) x COL. (3)

ALL DOLLARS ARE IN THOUSANDS

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - MEDICAL

ESTIMATED ULTIMATE LOSS
PAID LOSS DEVELOPMENT METHOD

ACCIDENT YEAR ENDING 6/30	(1)	(2)	(3)	(4)
	PAID LOSS	PAID LOSS DEV'T FACTORS	SELECTED PAID LOSS DEV'T FACTORS	ESTIMATED ULTIMATE LOSS
1987	19,265	1.1400	1.1400	21,962
1988	24,216	1.1517	1.1517	27,889
1989	18,709	1.1641	1.1641	21,779
1990	25,013	1.1773	1.1773	29,447
1991	27,866	1.1913	1.1913	33,197
1992	27,793	1.2063	1.2063	33,527
1993	33,693	1.2223	1.2223	41,182
1994	35,450	1.2393	1.2393	43,934
1995	24,739	1.2575	1.2575	31,109
1996	30,467	1.2770	1.2770	38,905
1997	30,674	1.2977	1.2977	39,807
1998	29,560	1.3200	1.3200	39,019
1999	28,057	1.3438	1.3438	37,704
2000	26,726	1.3694	1.3694	36,598
2001	30,424	1.3968	1.3968	42,496
2002	25,985	1.4263	1.4263	37,061
2003	31,252	1.4579	1.4579	45,563
2004	31,078	1.4915	1.4915	46,352
2005	25,441	1.5280	1.5280	38,874
2006	32,335	1.5678	1.5678	50,697
2007	26,913	1.6114	1.6114	43,367
2008	29,564	1.6590	1.6590	49,048
2009	23,782	1.7112	1.7112	40,696
2010	31,703	1.7652	1.7652	55,964
2011	31,402	1.8221	1.8221	57,219
2012	27,109	1.8821	1.8821	51,020
2013	26,561	1.9452	1.9452	51,668
2014	25,452	2.0119	2.0119	51,207
2015	25,243	2.0868	2.0868	52,678
2016	24,577	2.1745	2.1745	53,443
2017	19,699	2.2709	2.2709	44,733
2018	17,276	2.4073	2.4073	41,588
2019	13,512	2.5867	2.5867	34,950
2020	11,093	2.8429	2.8429	31,536
2021	10,084	3.3262	3.3262	33,540
2022	<u>4,443</u>	6.0086	6.0086	<u>26,694</u>
TOTAL	907,155			1,456,451

NOTES BY COLUMN:

(1) FROM EXH. WC MED-15

(2) FROM EXH. WC MED-14

(3) BASED ON COLUMN (2) AND JUDGMENT

(4) COL. (1) x COL. (3)

ALL DOLLARS ARE IN THOUSANDS

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - MEDICAL

ESTIMATED ULTIMATE LOSS
OUTSTANDING LOSS DEVELOPMENT METHOD

ACCIDENT YEAR ENDING 6/30	(1)	(2)	(3)	(4)	(5)
	PAID LOSS	CASE RESERVES	SELECTED PAID LOSS DEV'T FACTORS	SELECTED INCURRED LOSS DEV'T FACTORS	ESTIMATED ULTIMATE LOSS
1987	19,265	1,891	1.1400	1.0100	21,322
1988	24,216	7,730	1.1517	1.0114	32,671
1989	18,709	2,368	1.1641	1.0133	21,320
1990	25,013	2,337	1.1773	1.0155	27,613
1991	27,866	4,163	1.1913	1.0180	32,543
1992	27,793	4,449	1.2063	1.0208	32,844
1993	33,693	9,750	1.2223	1.0240	44,888
1994	35,450	8,371	1.2393	1.0273	45,156
1995	24,739	6,919	1.2575	1.0308	32,841
1996	30,467	9,868	1.2770	1.0344	42,123
1997	30,674	12,091	1.2977	1.0383	45,080
1998	29,560	8,515	1.3200	1.0422	39,782
1999	28,057	9,373	1.3438	1.0464	39,395
2000	26,726	9,233	1.3694	1.0506	37,966
2001	30,424	10,320	1.3968	1.0548	43,056
2002	25,985	8,211	1.4263	1.0594	36,092
2003	31,252	8,180	1.4579	1.0640	41,370
2004	31,078	13,967	1.4915	1.0686	48,424
2005	25,441	12,027	1.5280	1.0732	40,426
2006	32,335	14,468	1.5678	1.0781	50,423
2007	26,913	12,029	1.6114	1.0840	42,031
2008	29,564	16,860	1.6590	1.0906	50,881
2009	23,782	6,286	1.7112	1.0981	31,789
2010	31,703	9,073	1.7652	1.1063	43,360
2011	31,402	12,233	1.8221	1.1152	47,267
2012	27,109	12,203	1.8821	1.1248	43,095
2013	26,561	12,079	1.9452	1.1344	42,536
2014	25,452	9,995	2.0119	1.1442	38,788
2015	25,243	20,462	2.0868	1.1540	52,755
2016	24,577	7,385	2.1745	1.1718	34,714
2017	19,699	9,084	2.2709	1.1956	32,534
2018	17,276	7,199	2.4073	1.2234	27,745
2019	13,512	7,800	2.5867	1.2964	25,946
2020	11,093	7,631	2.8429	1.4887	26,552
2021	10,084	7,329	3.3262	1.7876	29,890
2022	<u>4,443</u>	<u>9,016</u>	6.0086	1.9645	<u>26,378</u>
TOTAL	907,155	330,895			1,351,596

NOTES BY COLUMN:

(1) FROM EXH. WC MED-15

(2) EXH. WC IND-9 - EXH. WC MED-15

(3) FROM EXH. WC MED-14

(4) FROM EXH. WC MED-12

(5) COL. (1) + COL. (2) + [COL. (2) X [1.00 - 1 / COL. (4)]] / [1 / COL. (4) - 1 / COL. (3)]

ALL DOLLARS ARE IN THOUSANDS

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - MEDICAL

AGE - TO - AGE INCURRED LOSS DEVELOPMENT FACTORS

Accident Period Ending 6/30	MONTHS FROM / TO																			
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204	216		
	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204	216			
1987										1.0134	1.0105	0.9998	1.0177	1.0372	1.0061	1.0584	1.0307			
1988									1.0802	0.9989	1.0735	1.0962	0.9847	1.0213	1.0523	1.0324	1.1589			
1989								0.9799	1.0270	1.0045	1.0135	1.0100	0.9941	1.0516	1.0372	0.9983	1.0195			
1990							1.0512	1.0967	1.0237	0.9818	1.0141	1.0221	1.0459	1.0504	1.0652	1.0595	1.0303			
1991						1.0695	1.0994	1.0303	1.0109	1.0091	1.0169	1.0287	1.0549	1.0550	1.0599	1.0216	1.0361			
1992					1.0633	1.0854	1.0393	1.0077	1.0278	1.0149	1.0343	1.0825	1.0501	1.0350	1.0455	1.1106	1.0484			
1993				1.1591	1.0022	1.0067	1.0252	1.0593	1.0278	1.0150	1.0117	1.0832	1.0437	1.0347	1.0889	1.0239	1.0956			
1994			1.1244	1.0107	1.0262	1.0417	1.0464	1.0474	1.0161	1.0243	1.0365	1.0265	1.0195	1.0300	1.0618	1.0740	1.0219			
1995		1.2180	1.0047	1.0338	1.0289	1.0467	1.0492	1.0458	1.0181	1.0793	1.0182	1.0642	1.0392	1.0771	1.0890	1.0489	1.0368			
1996	1.6560	1.0533	1.0572	1.0874	1.2047	1.0511	1.0455	1.0625	1.1197	1.0305	1.0340	1.0359	1.0617	1.0321	1.0602	1.1138	1.2536			
1997	1.5149	1.0720	1.1634	1.0739	1.0520	1.0525	1.0684	1.0999	1.0553	1.0561	1.0307	1.0765	1.0838	1.0962	1.0584	1.2601	0.9940			
1998	1.1921	1.1459	1.1005	1.0768	1.0825	1.0547	1.0962	1.0369	1.0299	1.0798	1.0883	1.0347	1.0551	1.0256	1.1361	0.9849	1.0186			
1999	1.3223	1.1442	1.0887	1.0799	1.1011	1.1522	1.0803	1.0638	1.1241	1.0345	1.0528	1.1148	1.0384	1.2715	0.9973	1.2355	1.0127			
2000	1.3241	1.1394	1.1356	1.0857	1.1564	1.0782	1.0538	1.1094	1.0796	1.1206	1.0710	1.1509	1.1236	0.9883	1.0027	1.0389	0.9990			
2001	1.5372	1.0796	1.1029	1.1181	1.0903	1.0800	1.1053	1.0719	1.0760	1.0778	1.1191	1.2045	1.0020	1.0451	1.0075	1.0156	1.0102			
2002	1.3688	1.1220	1.0966	1.0906	1.0443	1.1251	1.1416	1.0172	1.0870	1.0448	1.2035	0.9486	1.0183	1.0417	1.0289	0.9854	0.9874			
2003	1.1930	1.1211	1.0931	1.1014	1.1366	1.0756	1.1460	1.1285	1.1282	1.2345	0.9738	1.0221	0.9982	1.0410	0.9811	0.9564	0.9690			
2004	1.1438	1.1119	1.1314	1.0811	1.1001	1.1377	1.2816	1.0968	1.3142	0.9650	1.0269	1.0284	0.9525	0.9784	1.0668	1.0039	0.9716			
2005	1.1047	1.0829	1.1137	1.0586	1.1583	1.1679	1.1044	1.4364	1.0196	0.9759	0.9914	0.9869	1.0397	0.8892	1.0741	1.0040	1.0213			
2006	1.2158	1.1711	1.1093	1.0804	1.1699	1.1829	1.5482	0.9877	0.9688	1.0184	1.0443	0.9846	1.0305	0.9874	0.9680	0.9693				
2007	1.2469	1.0859	1.0594	1.1492	1.1192	1.7142	1.0062	0.9974	0.9944	1.0488	0.9696	0.9701	0.9745	0.9892	0.9960					
2008	1.2295	1.0557	1.0663	1.0678	1.7275	0.9871	1.0020	0.9792	1.0848	1.0145	0.9815	1.0389	1.0979	0.9909						
2009	1.0754	1.0394	1.0956	1.7676	0.9723	1.0222	1.0234	0.9861	0.9921	0.9642	0.9645	0.9669	0.9938							
2010	1.0832	1.1011	1.9786	0.9838	1.0858	1.1126	0.9917	0.9647	0.9183	0.9619	0.9702	0.9773								
2011	1.0576	1.9989	1.0574	1.0332	1.1090	0.9801	0.9761	0.9797	0.9798	0.9596	1.0283									
2012	1.5761	1.0700	1.3668	1.1492	1.0454	1.0688	0.9952	0.8970	1.0168	0.9665										
2013	1.0579	1.2216	1.2589	1.1712	1.0080	1.0841	1.0616	0.9669	0.9321											
2014	1.3032	1.3163	1.2970	0.9252	1.0211	0.9593	0.9700	0.9814												
2015	1.2512	1.4755	1.1867	1.1405	1.0174	0.9575	1.0765													
2016	1.2710	1.2440	1.1771	1.1477	0.8743	0.9712														
2017	1.1375	1.2196	1.1241	0.9891	0.9971															
2018	1.0476	1.1659	1.0340	1.0398																
2019	1.0289	1.0905	1.0964																	
2020	1.0262	1.2887																		
2021	1.1399																			
VOL WTD 5	1.0769	1.2008	1.1312	1.0471	0.9840	1.0082	1.0154	0.9573	0.9651	0.9733	0.9836	0.9883	1.0297	0.9693	1.0137	0.9830	0.9873			
VOL WTD 8	1.1542	1.2576	1.1999	1.0723	1.0232	1.0203	1.0111	0.9678	0.9827	0.9893	0.9990	0.9981	1.0129	0.9949	1.0132	1.0233	0.9957			
VOL WTD ALL	1.2042	1.2012	1.1718	1.0932	1.0773	1.0743	1.0715	1.0288	1.0363	1.0227	1.0266	1.0337	1.0292	1.0266	1.0353	1.0455	1.0278			
ARITH 5	1.0760	1.2017	1.1237	1.0485	0.9836	1.0082	1.0159	0.9580	0.9678	0.9733	0.9828	0.9876	1.0273	0.9670	1.0172	0.9838	0.9879			
ARITH 8	1.1507	1.2528	1.1926	1.0745	1.0198	1.0195	1.0121	0.9691	0.9859	0.9887	0.9971	0.9969	1.0132	0.9954	1.0156	1.0261	0.9962			
ARITH ALL	1.2348	1.1860	1.1585	1.1039	1.0921	1.0871	1.0802	1.0435	1.0443	1.0267	1.0312	1.0398	1.0313	1.0350	1.0420	1.0498	1.0366			
EXCL HI - LO	1.2260	1.1582	1.1307	1.0837	1.0747	1.0664	1.0653	1.0332	1.0383	1.0209	1.0266	1.0364	1.0306	1.0304	1.0410	1.0433	1.0278			
INSUR INDUS	1.2052	1.0182	1.0101	1.0000	1.0074	1.0019	1.0056	1.0094	1.0057	1.0019	0.9962	1.0009	1.0009	1.0076	0.9990	0.9972	0.9991			
SELECTED	1.0990	1.2008	1.1484	1.0597	1.0232	1.0203	1.0154	1.0086	1.0086	1.0086	1.0086	1.0080	1.0075	1.0069	1.0060	1.0055	1.0046			
CUM SEL'D	1.9645	1.7876	1.4887	1.2964	1.2234	1.1956	1.1718	1.1540	1.1442	1.1344	1.1248	1.1152	1.1063	1.0981	1.0906	1.0840	1.0781			
L'T YR SEL'D	1.0990	1.1916	1.1561	1.0950	1.0500	1.0300	1.0197	1.0173	1.0173	1.0173	1.0173	1.0161	1.0150	1.0138	1.0121	1.0110	1.0092			
EXP % REP'TD	50.9%	55.9%	67.2%	77.1%	81.7%	83.6%	85.3%	86.7%	87.4%	88.1%	88.9%	89.7%	90.4%	91.1%	91.7%	92.2%	92.8%			

NOTES: BASED ON EXHIBIT WC MED-13.

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - MEDICAL

AGE - TO - AGE INCURRED LOSS DEVELOPMENT FACTORS

Accident Period Ending 6/30	MONTHS FROM / TO																		
	216 228	228 240	240 252	252 264	264 276	276 288	288 300	300 312	312 324	324 336	336 348	348 360	360 372	372 384	384 396	396 408	408 420	420 432	432 444
1987	1.0825	1.0988	1.0909	1.0107	1.0308	1.0828	1.0117	1.0102	1.4962	0.7582	0.9931	1.0367	1.0119	0.9864	0.9896	1.0112	1.0075	0.9993	
1988	1.0073	1.0104	1.0344	1.0168	1.0501	1.0677	1.0602	1.2439	0.9514	1.0110	1.0246	1.0411	0.9836	0.9787	0.9617	1.0040	1.0495		
1989	1.0327	1.0156	1.0591	1.0013	1.0358	1.0934	1.1557	1.0004	0.9922	1.0152	1.0172	0.9972	0.9898	0.9706	0.9871	1.0120			
1990	1.0201	1.1006	1.0422	1.0537	1.0545	1.1167	1.0238	0.9856	1.0452	0.9506	1.0135	0.9720	0.9776	1.0152	0.9554				
1991	1.0716	1.0909	1.0487	1.0993	1.2046	0.9576	0.9923	1.0352	0.9966	1.0035	1.0246	0.9704	0.9989	0.9609					
1992	0.9916	1.0209	1.0316	1.1001	0.9748	1.0957	0.9985	1.0365	1.0412	0.9676	0.9974	0.9773	0.9808						
1993	1.0833	1.0645	1.2527	0.9998	0.9942	1.0507	1.0048	1.0397	1.0149	0.9637	0.9884	0.9920							
1994	1.0519	1.1646	0.9926	1.0479	1.0286	1.0014	0.9927	0.9609	1.0542	0.9824	0.9695								
1995	1.2901	1.0067	1.0420	1.0129	1.0052	1.0182	1.0044	0.9731	0.9671	0.9616									
1996	0.9995	1.0198	1.0278	1.0439	0.9831	0.9885	1.0396	0.9525	0.9650										
1997	1.0341	1.0584	1.0083	1.0026	1.0040	0.9968	0.9989	0.9939											
1998	1.0326	1.0134	1.0496	1.0681	0.9938	0.9494	0.9915												
1999	0.8390	0.9667	0.9946	1.0304	0.9587	0.9564													
2000	1.0283	0.9714	0.9695	0.9536	0.9860														
2001	1.0008	0.9904	0.9704	0.9480															
2002	1.0121	0.9805	0.9875																
2003	0.9765	0.9740																	
2004	0.9731																		
2005																			
2006																			
2007																			
2008																			
2009																			
2010																			
2011																			
2012																			
2013																			
2014																			
2015																			
2016																			
2017																			
2018																			
2019																			
2020																			
2021																			
VOL WTD 5	0.9969	0.9768	0.9930	0.9995	0.9853	0.9812	1.0055	0.9842	1.0093	0.9754	0.9959	0.9815	0.9861	0.9818					TAIL
VOL WTD 8	0.9815	0.9966	1.0048	1.0131	0.9944	1.0039	1.0033	0.9953	1.0102	0.9796	1.0009								
VOL WTD ALL	1.0150	1.0253	1.0303	1.0230	1.0146	1.0169	1.0156	1.0135	1.0309	0.9599	1.0009	0.9954	0.9893	0.9818	0.9709	1.0084	1.0323	0.9993	
ARITH 5	0.9982	0.9766	0.9943	1.0006	0.9851	0.9819	1.0054	0.9840	1.0085	0.9758	0.9987	0.9818	0.9861	0.9824					
ARITH 8	0.9871	0.9968	1.0062	1.0134	0.9942	1.0072	1.0028	0.9972	1.0096	0.9819	1.0035								
ARITH ALL	1.0293	1.0322	1.0376	1.0260	1.0217	1.0289	1.0228	1.0211	1.0524	0.9571	1.0035	0.9981	0.9904	0.9824	0.9735	1.0091	1.0285	0.9993	
EXCL HI - LO	1.0249	1.0278	1.0271	1.0262	1.0117	1.0281	1.0127	1.0039	1.0096	0.9772	1.0057	0.9950	0.9883	0.9785	0.9744	1.0112			
INSUR INDUS	1.0057	1.0012	1.0012	1.0012	1.0011	1.0011	1.0011	1.0010	1.0010	1.0010	1.0010	1.0009	1.0009	1.0009	1.0009	1.0009	1.0008	1.0008	1.0313
SELECTED	1.0043	1.0043	1.0043	1.0043	1.0040	1.0040	1.0040	1.0037	1.0037	1.0035	1.0035	1.0032	1.0032	1.0028	1.0025	1.0022	1.0018	1.0014	1.0100
CUM SEL'D	1.0732	1.0686	1.0640	1.0594	1.0548	1.0506	1.0464	1.0422	1.0383	1.0344	1.0308	1.0273	1.0240	1.0208	1.0180	1.0155	1.0133	1.0114	1.0100
L'T YR SEL'D	1.0087	1.0087	1.0087	1.0087	1.0081	1.0081	1.0081	1.0075	1.0075	1.0069	1.0069	1.0064	1.0064	1.0056	1.0049	1.0043	1.0037	1.0131	
EXP % REP'TD	93.2%	93.6%	94.0%	94.4%	94.8%	95.2%	95.6%	96.0%	96.3%	96.7%	97.0%	97.3%	97.7%	98.0%	98.2%	98.5%	98.7%	98.9%	99.0%

NOTES: BASED ON EXHIBIT WC MED-13.

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - MEDICAL

INCURRED LOSS DEVELOPMENT

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204
1987										10,150	10,286	10,394	10,393	10,577	10,970	11,038	11,682
1988									12,543	13,550	13,535	14,529	15,927	15,684	16,018	16,856	17,402
1989								12,926	12,666	13,009	13,068	13,244	13,377	13,298	13,985	14,505	14,480
1990									13,111	13,782	15,114	15,473	15,191	15,405	15,746	16,468	17,298
1991						13,021	13,925	15,309	15,773	15,945	16,090	16,363	16,833	17,757	18,733	19,855	20,284
1992					14,116	15,010	16,292	16,932	17,063	17,537	17,797	18,407	19,926	20,924	21,655	22,641	25,144
1993				15,002	17,390	17,427	17,544	17,987	19,054	19,584	19,878	20,111	21,784	22,735	23,525	25,617	26,228
1994			19,316	21,718	21,950	22,525	23,465	24,554	25,719	26,134	26,770	27,746	28,481	29,036	29,907	31,757	34,106
1995		10,522	12,816	12,877	13,312	13,697	14,337	15,042	15,731	16,015	17,285	17,599	18,730	19,463	20,964	22,829	23,944
1996	7,023	11,630	12,250	12,951	14,083	16,966	17,832	18,644	19,810	22,181	22,858	23,635	24,483	25,993	26,828	28,442	31,679
1997	7,563	11,458	12,282	14,290	15,346	16,144	16,992	18,155	19,969	21,073	22,255	22,940	24,695	26,765	29,340	31,055	39,133
1998	10,694	12,749	14,609	16,078	17,313	18,742	19,767	21,669	22,468	23,139	24,985	27,190	28,132	29,683	30,442	34,584	34,062
1999	8,422	11,137	12,743	13,874	14,983	16,497	19,008	20,533	21,844	24,554	25,402	26,743	29,813	30,958	39,363	39,255	48,498
2000	8,451	11,190	12,750	14,478	15,719	18,178	19,600	20,655	22,914	24,738	27,722	29,692	34,171	38,396	37,948	38,050	39,531
2001	9,249	14,217	15,349	16,928	18,928	20,638	22,289	24,635	26,405	28,412	30,624	34,270	41,277	41,361	43,225	43,548	44,226
2002	10,114	13,844	15,533	17,034	18,578	19,401	21,827	24,917	25,345	27,549	28,784	34,643	32,861	33,462	34,858	35,864	35,340
2003	12,435	14,835	16,632	18,180	20,023	22,759	24,478	28,052	31,655	35,713	44,087	42,929	43,879	43,799	45,597	44,736	42,785
2004	13,024	14,897	16,564	18,740	20,260	22,288	25,357	32,498	35,644	46,843	45,201	46,419	47,736	45,470	44,488	47,459	47,645
2005	12,737	14,070	15,236	16,968	17,963	20,806	24,300	26,837	38,550	39,306	38,357	38,029	37,532	39,023	34,699	37,270	37,418
2006	13,383	16,271	19,055	21,137	22,836	26,715	31,602	48,927	48,327	46,818	47,679	49,789	49,022	50,516	49,879	48,284	46,803
2007	13,027	16,243	17,639	18,687	21,474	24,034	41,199	41,455	41,346	41,116	43,124	41,812	40,563	39,526	39,098	38,942	
2008	15,378	18,907	19,961	21,285	22,727	39,263	38,756	38,834	38,027	41,250	41,849	41,074	42,672	46,850	46,424		
2009	15,622	16,800	17,462	19,131	33,817	32,881	33,613	34,400	33,920	33,651	32,445	31,293	30,256	30,068			
2010	18,142	19,652	21,640	42,817	42,125	45,740	50,888	50,466	48,686	44,708	43,006	41,723	40,776				
2011	18,800	19,883	39,745	42,026	43,423	48,157	47,198	46,071	45,134	44,221	42,436	43,635					
2012	15,140	23,862	25,534	34,899	40,108	41,928	44,811	44,596	40,001	40,675	39,312						
2013	19,391	20,515	25,062	31,551	36,954	37,250	40,382	42,870	41,453	38,640							
2014	18,466	24,065	31,678	41,087	38,013	38,816	37,235	36,117	35,447								
2015	17,442	21,823	32,200	38,213	43,582	44,342	42,458	45,705									
2016	17,621	22,395	27,860	32,795	37,638	32,908	31,962										
2017	18,712	21,285	25,959	29,182	28,865	28,782											
2018	18,638	19,525	22,765	23,540	24,476												
2019	17,323	17,825	19,439	21,312													
2020	14,159	14,529	18,724														
2021	15,275	17,412															
2022	13,458																

NOTES: DATA BASED ON INFORMATION PROVIDED BY DHRM.
DATA IS GROSS OF RECOVERIES.
ALL DOLLARS ARE IN THOUSANDS.

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - MEDICAL

INCURRED LOSS DEVELOPMENT

Accident Period Ending 6/30	<u>AGE OF DEVELOPMENT IN MONTHS</u>																		
	216	228	240	252	264	276	288	300	312	324	336	348	360	372	384	396	408	420	432
1987	12,041	13,035	14,323	15,625	15,792	16,278	17,626	17,832	18,014	26,952	20,435	20,295	21,040	21,290	20,999	20,781	21,014	21,171	21,156
1988	20,167	20,313	20,524	21,230	21,587	22,669	24,203	25,660	31,919	30,367	30,701	31,457	32,749	32,211	31,524	30,318	30,440	31,946	
1989	14,762	15,245	15,482	16,397	16,418	17,005	18,594	21,489	21,496	21,328	21,651	22,023	21,962	21,737	21,098	20,826	21,077		
1990	20,114	20,519	22,583	23,536	24,800	26,151	29,202	29,897	29,467	30,800	29,280	29,675	28,843	28,198	28,627	27,350			
1991	21,016	22,521	24,569	25,765	28,325	34,119	32,671	32,418	33,558	33,443	33,561	34,387	33,368	33,331	32,029				
1992	26,360	26,139	26,686	27,530	30,287	29,524	32,349	32,300	33,477	34,858	33,727	33,638	32,874	32,242					
1993	28,736	31,130	33,137	41,511	41,504	41,264	43,358	43,566	45,297	45,972	44,304	43,792	43,443						
1994	34,853	36,661	42,697	42,383	44,414	45,684	45,748	45,415	43,641	46,008	45,198	43,821							
1995	24,826	32,029	32,243	33,596	34,029	34,205	34,827	34,982	34,041	32,922	31,657								
1996	39,714	39,696	40,480	41,605	43,432	42,698	42,208	43,880	41,796	40,335									
1997	38,897	40,225	42,574	42,928	43,041	43,213	43,075	43,027	42,765										
1998	34,694	35,825	36,305	38,104	40,699	40,446	38,402	38,075											
1999	49,115	41,206	39,832	39,619	40,823	39,138	37,430												
2000	39,489	40,606	39,446	38,243	36,470	35,959													
2001	44,676	44,713	44,286	42,977	40,744														
2002	34,894	35,317	34,630	34,195															
2003	41,460	40,486	39,433																
2004	46,291	45,046																	
2005	37,468																		
2006																			
2007																			
2008																			
2009																			
2010																			
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2013																			
2014																			
2015																			
2016																			
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2019																			
2020																			
2021																			
2022																			

NOTES: DATA BASED ON INFORMATION PROVIDED BY DHRM.
DATA IS GROSS OF RECOVERIES.
ALL DOLLARS ARE IN THOUSANDS.

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - MEDICAL

AGE - TO - AGE PAID LOSS DEVELOPMENT FACTORS

Accident Period Ending 6/30	MONTHS FROM / TO																	
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204	216
1987										1.0259	1.0219	0.9999	1.0207	1.0249	1.0185	1.0315	1.0342	
1988									1.0621	1.0507	1.1030	1.0568	1.0246	1.0283	1.0276	1.0327	1.0093	
1989								1.0346	1.0463	1.0116	1.0241	1.0141	1.0144	1.0161	1.0147	1.0142	1.0084	
1990							1.0662	1.0469	1.0506	1.0424	1.0405	1.0404	1.0357	1.0271	1.0317	1.0557	1.0280	
1991						1.0557	1.0472	1.0521	1.0331	1.0476	1.0391	1.0274	1.0367	1.0300	1.0378	1.0293	1.0302	
1992					1.0545	1.0467	1.0437	1.0346	1.0398	1.0409	1.0468	1.0376	1.0313	1.0237	1.0360	1.0348	1.0319	
1993				1.0573	1.0683	1.0386	1.0397	1.0492	1.0366	1.0317	1.0303	1.0292	1.0282	1.0281	1.0554	1.0293	1.0417	
1994			1.0974	1.1058	1.0601	1.0516	1.0621	1.0556	1.0362	1.0328	1.0291	1.0273	1.0351	1.0283	1.0288	1.0296	1.0364	
1995		1.1734	1.0887	1.0521	1.0420	1.0371	1.0409	1.0418	1.0356	1.0437	1.0310	1.0301	1.0314	1.0294	1.0352	1.0401	1.0403	
1996	2.1154	1.2408	1.0949	1.0720	1.0687	1.0798	1.0652	1.0468	1.0617	1.0413	1.0509	1.0568	1.0386	1.0526	1.0372	1.0354	1.0402	
1997	2.4795	1.1604	1.1018	1.0815	1.0790	1.0638	1.0585	1.0538	1.0434	1.0492	1.0485	1.0449	1.0400	1.0510	1.0337	1.0554	1.0371	
1998	1.9324	1.2077	1.1477	1.0971	1.0774	1.0314	1.0558	1.0306	1.0355	1.0319	1.0350	1.0368	1.0354	1.0377	1.0304	1.0228	1.0265	
1999	2.1193	1.2285	1.1172	1.0832	1.0571	1.0646	1.0618	1.0606	1.0522	1.0421	1.0554	1.0359	1.0435	1.0514	1.0454	1.0419	1.0315	
2000	1.9404	1.2078	1.1025	1.0779	1.0879	1.0649	1.0632	1.0628	1.0448	1.0447	1.0437	1.0424	1.0338	1.0358	1.0377	1.0249	1.0259	
2001	2.0632	1.2437	1.1197	1.0937	1.0565	1.0638	1.0677	1.0537	1.0458	1.0378	1.0383	1.0468	1.0462	1.0582	1.0390	1.0257	1.0241	
2002	2.0210	1.1836	1.1172	1.0714	1.0713	1.0458	1.0537	1.0387	1.0312	1.0415	1.0288	1.0285	1.0259	1.0304	1.0299	1.0308	1.0286	
2003	1.8238	1.1937	1.1367	1.0857	1.0922	1.0541	1.0538	1.0511	1.0442	1.0789	1.0386	1.0569	1.0447	1.0558	1.0242	1.0141	1.0229	
2004	2.0201	1.1830	1.1121	1.0896	1.0784	1.0564	1.0513	1.0547	1.0573	1.0537	1.0487	1.0571	1.0263	1.0381	1.0479	1.0247	1.0283	
2005	1.9332	1.1676	1.0916	1.0692	1.0807	1.0707	1.0587	1.0581	1.0580	1.0894	1.0457	1.0321	1.0432	1.0244	1.0252	1.0182	1.0162	
2006	2.1258	1.2475	1.0908	1.0787	1.0719	1.0722	1.0739	1.0543	1.0622	1.0420	1.0414	1.0365	1.0430	1.0371	1.0225	1.0226		
2007	1.9825	1.1712	1.1013	1.0719	1.0571	1.0601	1.0475	1.0388	1.0510	1.0634	1.0346	1.0258	1.0212	1.0226	1.0176			
2008	2.0917	1.2055	1.0891	1.0813	1.0510	1.0479	1.0417	1.0371	1.0413	1.0381	1.0259	1.0416	1.0639	1.0333				
2009	1.9726	1.1590	1.0775	1.0632	1.0567	1.0449	1.0306	1.0452	1.0276	1.0199	1.0268	1.0318	1.0311					
2010	1.8860	1.1784	1.0866	1.0702	1.0645	1.0602	1.1343	1.0693	1.0307	1.0155	1.0197	1.0138						
2011	1.9235	1.1834	1.0994	1.0740	1.0837	1.0795	1.0479	1.0314	1.0364	1.0388	1.0197							
2012	1.9047	1.1697	1.1510	1.0880	1.1006	1.0570	1.0519	1.0345	1.0255	1.0167								
2013	1.8351	1.1900	1.1305	1.1073	1.0589	1.0483	1.0433	1.0333	1.0319									
2014	1.9240	1.1851	1.1117	1.0928	1.0579	1.0370	1.0408	1.0153										
2015	2.0735	1.1970	1.1315	1.0822	1.0711	1.0391	1.0262											
2016	1.8343	1.1800	1.1229	1.0988	1.0626	1.0208												
2017	1.8190	1.1821	1.0681	1.0477	1.0347													
2018	1.7108	1.1744	1.0797	1.0421														
2019	1.8193	1.1608	1.0832															
2020	1.7481	1.1402																
2021	1.9794																	
VOL WTD 5	1.8065	1.1700	1.0991	1.0745	1.0577	1.0402	1.0420	1.0372	1.0307	1.0258	1.0247	1.0293	1.0409	1.0315	1.0275	1.0218	1.0241	
VOL WTD 8	1.8622	1.1785	1.1113	1.0802	1.0671	1.0485	1.0527	1.0382	1.0379	1.0382	1.0318	1.0363	1.0379	1.0377	1.0303	1.0249	1.0254	
VOL WTD ALL	1.9443	1.1880	1.1059	1.0789	1.0671	1.0529	1.0550	1.0450	1.0421	1.0409	1.0372	1.0360	1.0358	1.0358	1.0325	1.0298	1.0288	
ARITH 5	1.8153	1.1675	1.0971	1.0727	1.0570	1.0404	1.0420	1.0368	1.0304	1.0258	1.0253	1.0299	1.0405	1.0311	1.0275	1.0221	1.0240	
ARITH 8	1.8635	1.1762	1.1098	1.0791	1.0668	1.0483	1.0521	1.0381	1.0383	1.0405	1.0328	1.0370	1.0374	1.0375	1.0305	1.0254	1.0255	
ARITH ALL	1.9646	1.1890	1.1058	1.0783	1.0671	1.0535	1.0549	1.0456	1.0431	1.0412	1.0387	1.0354	1.0346	1.0347	1.0322	1.0307	1.0285	
EXCL HI - LO	1.9537	1.1886	1.1055	1.0786	1.0671	1.0538	1.0528	1.0458	1.0430	1.0405	1.0367	1.0361	1.0341	1.0345	1.0319	1.0302	1.0289	
INSUR INDUS	1.8770	1.1331	1.0513	1.0357	1.0178	1.0157	1.0143	1.0129	1.0122	1.0141	1.0134	1.0119	1.0111	1.0069	1.0078	1.0061	1.0079	
SELECTED	1.8065	1.1700	1.0991	1.0745	1.0600	1.0443	1.0420	1.0372	1.0343	1.0336	1.0329	1.0322	1.0316	1.0315	1.0296	1.0278	1.0261	
CUM SEL'D	6.0086	3.3262	2.8429	2.5867	2.4073	2.2709	2.1745	2.0868	2.0119	1.9452	1.8821	1.8221	1.7652	1.7112	1.6590	1.6114	1.5678	
L'T YR SEL'D	1.8000	1.1800	1.1020	1.0850	1.0630	1.0500	1.0457	1.0380	1.0370	1.0360	1.0350	1.0340	1.0330	1.0310	1.0300	1.0280	1.0260	
EXP % PAID	16.6%	30.1%	35.2%	38.7%	41.5%	44.0%	46.0%	47.9%	49.7%	51.4%	53.1%	54.9%	56.6%	58.4%	60.3%	62.1%	63.8%	

NOTES: BASED ON EXHIBIT WC MED-15.

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - MEDICAL

AGE - TO - AGE PAID LOSS DEVELOPMENT FACTORS

Accident Period Ending 6/30	MONTHS FROM / TO																			
	216 228	228 240	240 252	252 264	264 276	276 288	288 300	300 312	312 324	324 336	336 348	348 360	360 372	372 384	384 396	396 408	408 420	420 432	432 444	
1987	1.0744	1.0362	1.0866	1.0309	1.0204	1.0234	1.0199	1.0421	1.0255	1.0128	1.0499	1.0447	1.0148	1.0120	1.0064	1.0054	1.0061	1.0047		
1988	1.0297	1.0268	1.0282	1.0263	1.0326	1.0419	0.9952	1.0261	1.0240	1.0244	1.0216	1.0182	1.0196	1.0148	1.0212	1.0175	1.0132			
1989	1.0233	1.0249	1.0146	1.0146	1.0144	1.0650	1.0362	1.0118	1.0179	1.0167	1.0155	1.0118	1.0108	1.0083	1.0075	1.0088				
1990	1.0330	1.0396	1.0372	1.0321	1.0246	1.0211	1.0223	1.0186	1.0182	1.0166	1.0161	1.0115	1.0237	1.0108	1.0097					
1991	1.0409	1.0284	1.0382	1.0548	1.0409	1.0213	1.0314	1.0264	1.0167	1.0197	1.0385	1.0234	1.0298	1.0048						
1992	1.0411	1.0222	1.0196	1.0255	1.0241	1.0428	1.0143	1.0226	1.0235	1.0119	1.0109	1.0156	1.0071							
1993	1.0241	1.0379	1.0711	1.0218	1.0263	1.0280	1.0357	1.0352	1.0296	1.0206	1.0216	1.0308								
1994	1.0318	1.0353	1.0188	1.0238	1.0258	1.0180	1.0183	1.0231	1.0251	1.0121	1.0117									
1995	1.0335	1.0301	1.0280	1.0283	1.0272	1.0372	1.0287	1.0224	1.0116	1.0130										
1996	1.0321	1.0330	1.0346	1.0396	1.0368	1.0231	1.0214	1.0135	1.0141											
1997	1.0447	1.0404	1.0492	1.0343	1.0341	1.0269	1.0219	1.0176												
1998	1.0328	1.0404	1.0291	1.0515	1.0302	1.0181	1.0103													
1999	1.0361	1.0297	1.0189	1.0165	1.0145	1.0124														
2000	1.0258	1.0218	1.0211	1.0170	1.0237															
2001	1.0304	1.0172	1.0169	1.0129																
2002	1.0215	1.0176	1.0212																	
2003	1.0218	1.0093																		
2004	1.0203																			
2005																				
2006																				
2007																				
2008																				
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2012																				
2013																				
2014																				
2015																				
2016																				
2017																				
2018																				
2019																				
2020																				
2021																				
																				TAIL
VOL WTD 5	1.0239	1.0187	1.0213	1.0261	1.0279	1.0230	1.0197	1.0224	1.0212	1.0154	1.0193	1.0198	1.0185	1.0099						
VOL WTD 8	1.0287	1.0255	1.0272	1.0277	1.0273	1.0251	1.0224	1.0224	1.0201	1.0166	1.0218									
VOL WTD ALL	1.0316	1.0282	1.0318	1.0285	1.0272	1.0274	1.0212	1.0232	1.0208	1.0163	1.0218	1.0222	1.0180	1.0099	1.0116	1.0111	1.0100	1.0047		
ARITH 5	1.0240	1.0191	1.0215	1.0264	1.0279	1.0236	1.0201	1.0224	1.0208	1.0155	1.0198	1.0186	1.0182	1.0101						
ARITH 8	1.0292	1.0262	1.0274	1.0280	1.0273	1.0258	1.0227	1.0224	1.0196	1.0169	1.0232									
ARITH ALL	1.0332	1.0289	1.0333	1.0287	1.0268	1.0292	1.0213	1.0236	1.0206	1.0164	1.0232	1.0223	1.0177	1.0101	1.0112	1.0106	1.0096	1.0047		
EXCL. HI - LO	1.0314	1.0294	1.0309	1.0279	1.0267	1.0275	1.0224	1.0228	1.0206	1.0159	1.0208	1.0199	1.0172	1.0104	1.0086	1.0088				
INSUR INDUS	1.0071	1.0066	1.0063	1.0059	1.0056	1.0053	1.0050	1.0047	1.0044	1.0042	1.0039	1.0037	1.0035	1.0033	1.0031	1.0029	1.0028	1.0026	1.0451	
SELECTED	1.0245	1.0230	1.0222	1.0211	1.0200	1.0190	1.0181	1.0171	1.0163	1.0155	1.0147	1.0139	1.0132	1.0126	1.0119	1.0113	1.0108	1.0102	1.1400	
CUM SEL'D	1.5280	1.4915	1.4579	1.4263	1.3968	1.3694	1.3438	1.3200	1.2977	1.2770	1.2575	1.2393	1.2223	1.2063	1.1913	1.1773	1.1641	1.1517	1.1400	
L'T YR SEL'D	1.0250	1.0240	1.0230	1.0224	1.0219	1.0213	1.0208	1.0202	1.0197	1.0178	1.0151	1.0151	1.0151	1.0130	1.0115	1.0102	1.0100	1.2000		
EXP % PAID	65.4%	67.0%	68.6%	70.1%	71.6%	73.0%	74.4%	75.8%	77.1%	78.3%	79.5%	80.7%	81.8%	82.9%	83.9%	84.9%	85.9%	86.8%	87.7%	

NOTES: BASED ON EXHIBIT WC MED-15.

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - MEDICAL

PAID LOSS DEVELOPMENT

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204
1987									11,324	9,761	10,013	10,232	10,231	10,443	10,703	10,901	11,244
1988									12,028	12,638	12,638	13,940	14,732	15,094	15,521	15,949	16,470
1989								11,417	11,813	12,360	12,504	12,805	12,986	13,174	13,386	13,582	13,774
1990							11,399	12,154	12,724	13,368	13,934	14,499	15,085	15,624	16,048	16,556	17,478
1991						11,734	12,388	12,972	13,648	14,099	14,770	15,348	15,767	16,346	16,837	17,473	17,984
1992					12,870	13,571	14,204	14,824	15,337	15,947	16,599	17,376	18,030	18,593	19,035	19,719	20,404
1993				13,329	14,093	15,056	15,636	16,257	17,057	17,681	18,241	18,793	19,341	19,888	20,447	21,579	22,212
1994			13,894	15,247	16,860	17,873	18,795	19,963	21,072	21,835	22,551	23,207	23,841	24,678	25,377	26,108	26,881
1995		8,904	10,447	11,374	11,967	12,470	12,932	13,462	14,025	14,524	15,158	15,627	16,098	16,604	17,092	17,695	18,404
1996	4,014	8,492	10,536	11,536	12,367	13,216	14,270	15,201	15,912	16,893	17,591	18,487	19,537	20,292	21,359	22,153	22,938
1997	3,616	8,967	10,405	11,465	12,399	13,378	14,231	15,064	15,874	16,563	17,377	18,220	19,039	19,801	20,811	21,512	22,705
1998	5,066	9,790	11,824	13,570	14,888	16,041	16,545	17,468	18,003	18,641	19,235	19,908	20,640	21,370	22,175	22,850	23,370
1999	4,189	8,878	10,906	12,185	13,198	13,952	14,853	15,772	16,728	17,602	18,342	19,359	20,055	20,927	22,003	23,002	23,966
2000	4,742	9,200	11,112	12,251	13,205	14,366	15,298	16,265	17,287	18,060	18,868	19,693	20,528	21,222	21,981	22,810	23,378
2001	4,977	10,268	12,770	14,299	15,638	16,522	17,575	18,765	19,771	20,677	21,459	22,282	23,325	24,402	25,823	26,829	27,518
2002	5,314	10,740	12,712	14,201	15,215	16,300	17,046	17,962	18,658	19,240	20,038	20,615	21,203	22,415	23,085	23,796	24,624
2003	6,103	11,131	13,287	15,104	16,398	17,910	18,878	19,893	20,909	21,833	23,555	24,465	25,857	27,013	28,521	29,212	29,624
2004	5,731	11,577	13,695	15,231	16,595	17,896	18,906	19,875	20,963	22,165	23,356	24,493	25,892	26,572	27,585	28,907	29,623
2005	5,284	10,214	11,926	13,019	13,920	15,044	16,108	17,054	18,044	19,091	20,797	21,748	22,447	23,416	23,986	24,590	25,036
2006	5,893	12,526	15,627	17,046	18,388	19,711	21,134	22,696	23,928	25,417	26,486	27,582	28,589	29,818	30,923	31,619	32,335
2007	6,388	12,665	14,833	16,335	17,509	18,509	19,622	20,554	21,352	22,441	23,863	24,689	25,326	25,863	26,448	26,913	
2008	6,589	13,783	16,615	18,096	19,568	20,565	21,549	22,448	23,280	24,243	25,167	25,819	26,892	28,611	29,564		
2009	6,670	13,157	15,248	16,430	17,468	18,458	19,286	19,875	20,774	21,347	21,771	22,354	23,065	23,782			
2010	8,282	15,619	18,407	20,000	21,403	22,785	24,157	27,401	29,300	30,199	30,667	31,270	31,703				
2011	8,416	16,189	19,158	21,063	22,621	24,516	26,465	27,734	28,605	29,646	30,795	31,402					
2012	7,362	14,023	16,403	18,880	20,541	22,608	23,896	25,135	26,001	26,665	27,109						
2013	7,869	14,441	17,185	19,427	21,510	22,778	23,878	24,911	25,740	26,561							
2014	7,926	15,250	18,073	20,092	21,956	23,227	24,086	25,068	25,452								
2015	7,272	15,079	18,050	20,423	22,102	23,673	24,598	25,243									
2016	8,484	15,562	18,363	20,620	22,657	24,075	24,577										
2017	7,911	14,390	17,011	18,171	19,038	19,699											
2018	7,642	13,074	15,354	16,578	17,276												
2019	5,907	10,747	12,474	13,512													
2020	5,565	9,729	11,093														
2021	5,094	10,084															
2022	4,443																

NOTES: DATA BASED ON INFORMATION PROVIDED BY DHRM.
DATA IS GROSS OF RECOVERIES.
ALL DOLLARS ARE IN THOUSANDS.

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - MEDICAL

PAID LOSS DEVELOPMENT

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																		
	216	228	240	252	264	276	288	300	312	324	336	348	360	372	384	396	408	420	432
1987	11,629	12,494	12,946	14,068	14,503	14,800	15,145	15,446	16,097	16,508	16,719	17,554	18,339	18,611	18,834	18,955	19,058	19,174	19,265
1988	16,624	17,117	17,575	18,071	18,546	19,150	19,952	19,856	20,375	20,864	21,372	21,834	22,231	22,667	23,003	23,490	23,902	24,216	
1989	13,890	14,214	14,567	14,779	14,995	15,211	16,200	16,787	16,985	17,289	17,578	17,850	18,060	18,256	18,408	18,547	18,709		
1990	17,967	18,559	19,294	20,012	20,655	21,163	21,610	22,092	22,504	22,913	23,295	23,669	23,940	24,508	24,772	25,013			
1991	18,527	19,284	19,833	20,590	21,718	22,606	23,087	23,812	24,439	24,847	25,337	26,312	26,928	27,731	27,866				
1992	21,055	21,921	22,407	22,847	23,431	23,996	25,024	25,381	25,954	26,563	26,880	27,173	27,596	27,793					
1993	23,138	23,695	24,593	26,340	26,915	27,622	28,397	29,411	30,447	31,348	31,995	32,687	33,693						
1994	27,860	28,745	29,759	30,319	31,042	31,842	32,416	33,008	33,772	34,620	35,040	35,450							
1995	19,145	19,785	20,381	20,952	21,544	22,129	22,953	23,612	24,141	24,421	24,739								
1996	23,860	24,626	25,438	26,318	27,359	28,367	29,023	29,644	30,044	30,467									
1997	23,547	24,600	25,595	26,854	27,775	28,722	29,496	30,143	30,674										
1998	23,990	24,777	25,777	26,528	27,895	28,738	29,259	29,560											
1999	24,721	25,614	26,375	26,874	27,318	27,714	28,057												
2000	23,983	24,602	25,139	25,670	26,107	26,726													
2001	28,181	29,038	29,537	30,037	30,424														
2002	24,477	25,004	25,444	25,985															
2003	30,303	30,963	31,252																
2004	30,460	31,078																	
2005	25,441																		
2006																			
2007																			
2008																			
2009																			
2010																			
2011																			
2012																			
2013																			
2014																			
2015																			
2016																			
2017																			
2018																			
2019																			
2020																			
2021																			
2022																			

NOTES: DATA BASED ON INFORMATION PROVIDED BY DHRM.
DATA IS GROSS OF RECOVERIES.
ALL DOLLARS ARE IN THOUSANDS.

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - MEDICAL

PAID LOSSES (\$000's)

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																		
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204		
1987										9,761	10,013	10,232	10,231	10,443	10,703	10,901	11,244		
1988								11,324	12,028	12,638	13,940	14,732	15,094	15,521	15,949	16,470			
1989							11,417	11,813	12,360	12,504	12,805	12,986	13,174	13,386	13,582	13,774			
1990						11,399	12,154	12,724	13,368	13,934	14,499	15,085	15,624	16,048	16,556	17,478			
1991						11,734	12,388	12,972	13,648	14,099	14,770	15,348	15,767	16,346	16,837	17,473	17,984		
1992					12,870	13,571	14,204	14,824	15,337	15,947	16,599	17,376	18,030	18,593	19,035	19,719	20,244		
1993				13,329	14,093	15,056	15,636	16,257	17,057	17,681	18,241	18,793	19,341	19,888	20,447	21,579	22,102		
1994			13,894	15,247	16,860	17,873	18,795	19,963	21,072	21,835	22,551	23,207	23,841	24,678	25,377	26,108	26,881		
1995		8,904	10,447	11,374	11,967	12,470	12,932	13,462	14,025	14,524	15,158	15,627	16,098	16,604	17,092	17,695	18,404		
1996	4,014	8,492	10,536	11,536	12,367	13,216	14,270	15,201	15,912	16,893	17,591	18,487	19,537	20,292	21,359	22,153	22,978		
1997	3,616	8,967	10,405	11,465	12,399	13,378	14,231	15,064	15,874	16,563	17,377	18,220	19,039	19,801	20,811	21,512	22,705		
1998	5,066	9,790	11,824	13,570	14,888	16,041	16,545	17,468	18,003	18,641	19,235	19,908	20,640	21,370	22,175	22,850	23,720		
1999	4,189	8,878	10,906	12,185	13,198	13,952	14,853	15,772	16,728	17,602	18,342	19,359	20,055	20,927	21,003	23,002	23,966		
2000	4,742	9,200	11,112	12,251	13,205	14,366	15,298	16,265	17,287	18,060	18,868	19,693	20,528	21,222	21,981	22,810	23,718		
2001	4,977	10,268	12,770	14,299	15,638	16,522	17,575	18,765	19,771	20,677	21,459	22,282	23,325	24,402	25,823	26,829	27,518		
2002	5,314	10,740	12,712	14,201	15,215	16,300	17,046	17,962	18,658	19,240	20,038	20,615	21,203	21,753	22,415	23,085	23,796		
2003	6,103	11,131	13,287	15,104	16,398	17,910	18,878	19,893	20,909	21,833	23,555	24,465	25,857	27,013	28,521	29,212	29,624		
2004	5,731	11,577	13,695	15,231	16,956	17,896	18,906	19,875	20,963	22,165	23,396	24,493	25,892	26,572	27,885	28,907	29,623		
2005	5,284	10,214	11,926	13,019	13,920	15,044	16,108	17,054	18,044	19,091	20,797	21,748	22,447	23,416	23,986	24,590	25,036		
2006	5,893	12,526	15,627	17,046	18,388	19,711	21,134	22,696	23,928	25,417	26,486	27,582	28,589	29,818	30,923	31,619	32,335		
2007	6,388	12,665	14,833	16,335	17,509	18,509	19,622	20,554	21,352	22,441	23,863	24,689	25,326	25,863	26,448	26,913			
2008	6,589	13,783	16,615	18,096	19,568	20,565	21,549	22,448	23,280	24,243	25,167	25,819	26,892	28,611					
2009	6,670	13,157	15,248	16,430	17,468	18,458	19,386	19,875	20,774	21,347	21,771	22,354	23,065	23,782					
2010	8,282	15,619	18,407	20,000	21,403	22,785	24,157	27,401	29,300	30,199	30,667	31,270	31,703						
2011	8,416	16,189	19,158	21,063	22,621	24,516	26,465	27,734	28,605	29,646	30,795	31,402							
2012	7,362	14,023	16,403	18,880	20,541	22,608	23,896	25,135	26,001	26,665	27,109								
2013	7,869	14,441	17,185	19,427	21,510	22,778	23,879	24,911	25,740	26,561									
2014	7,926	15,250	18,073	20,092	21,956	23,227	24,086	25,068	25,452										
2015	7,272	15,079	18,050	20,423	22,102	23,673	24,598	25,243											
2016	8,484	15,562	18,363	20,620	22,657	24,075	24,577												
2017	7,511	14,330	17,011	18,171	19,038	19,699													
2018	7,642	13,074	15,354	16,578	17,276														
2019	5,907	10,747	12,474	13,512															
2020	5,565	9,729	11,093																
2021	5,094	10,084																	
2022	4,443																		

NUMBER OF CLOSED LOST TIME CLAIMS

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																		
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204		
1987														1,843	1,825	1,837	1,840		
1988														2,049	2,062	2,063	2,053		
1989														1,900	1,907	1,915	1,916		
1990														2,031	2,051	2,066	2,062		
1991									1,960	1,997	2,008	2,010	2,020	2,017	2,015	2,016			
1992									2,082	2,091	2,133	2,141	2,165	2,165	2,165	2,157	2,159		
1993								2,001	2,006	2,017	2,042	2,073	2,074	2,066	2,066	2,069	2,067		
1994														2,211	2,224	2,230	2,227		
1995								2,152	2,150	2,160	2,169	2,211	2,224	2,230	2,227	2,220	2,218		
1996								1,957	1,964	1,971	1,969	1,975	2,004	2,009	2,012	2,014	2,018		
1997					1,540	1,560	1,565	1,569	1,574	1,573	1,592	1,600	1,602	1,602	1,604	1,604	1,609		
1998			1,326	1,400	1,448	1,460	1,470	1,481	1,487	1,497	1,520	1,528	1,535	1,535	1,536	1,540	1,543		
1999		1,020	1,240	1,291	1,310	1,336	1,344	1,352	1,355	1,362	1,373	1,383	1,389	1,389	1,388	1,387	1,388		
2000	231	992	1,110	1,171	1,199	1,209	1,220	1,227	1,228	1,233	1,250	1,256	1,261	1,269	1,264	1,268	1,272		
2001	365	890	1,021	1,071	1,096	1,111	1,120	1,121	1,131	1,136	1,163	1,169	1,177	1,180	1,180	1,183	1,190		
2002	335	810	930	984	1,003	1,015	1,019	1,026	1,033	1,047	1,059	1,071	1,078	1,075	1,072	1,076	1,082		
2003	420	962	1,060	1,107	1,117	1,125	1,136	1,131	1,136	1,146	1,160	1,172	1,175	1,178	1,180	1,192	1,194		
2004	419	986	1,103	1,137	1,163	1,172	1,173	1,181	1,189	1,191	1,211	1,212	1,218	1,225	1,227	1,230	1,235		
2005	407	891	1,022	1,051	1,076	1,087	1,096	1,096	1,105	1,112	1,124	1,138	1,140	1,144	1,155	1,159	1,165		
2006	408	929	1,022	1,056	1,081	1,090	1,097	1,108	1,107	1,115	1,129	1,133	1,144	1,151	1,158	1,164	1,172		
2007	405	892	985	1,022	1,045	1,069	1,070	1,073	1,075	1,088	1,101	1,115	1,116	1,121	1,125	1,126			
2008	369	792	904	949	978	986	992	995	991	1,000	1,016	1,029	1,028	1,031	1,033				
2009	357	835	946	981	991	1,011	1,011	1,012	1,019	1,024	1,038	1,043	1,049	1,056					
2010	383	856	951	985	1,007	1,010	1,009	1,026	1,034	1,047	1,065	1,072	1,080						
2011	356	847	933	971	989	999	1,008	1,024	1,026	1,039	1,054	1,060							
2012	336	704	767	794	804	823	837	839	858	862	881								
2013	316	692	778	809	829	848	855	864	871	883									
2014	329	693	776	822	842	858	868	876	882										
2015	269	751	838	863	882	898	905	909											
2016	339	710	771	808	836	852	860												
2017	297	616	670	710	729	746													
2018	307	660	720	755	776														
2019	320	613	660	692															
2020	318	567	621																
2021	279	504																	
2022	304																		

AVERAGE PAID LOSS PER CLOSED LOST TIME CLAIM

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																		
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204		
1987														5,667	5,865	5,934	6,081		
1988														7,190	7,366	7,517	7,731		
1989														6,740	6,835	6,908	7,115		
1990														6,861	7,069	7,301	7,573		
1991														7,396	7,643	7,845	8,092		
199																			

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - MEDICAL

PAID LOSSES (\$000's)

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																		
	216	228	240	252	264	276	288	300	312	324	336	348	360	372	384	396	408	420	432
1987	11,629	12,494	12,946	14,068	14,503	14,800	15,145	15,446	16,097	16,508	16,719	17,554	18,339	18,611	18,834	18,955	19,058	19,174	19,265
1988	16,624	17,117	17,575	18,071	18,546	19,150	19,952	19,856	20,375	20,864	21,372	21,834	22,231	22,667	23,003	23,490	23,902	24,216	
1989	13,890	14,214	14,567	14,779	14,995	15,211	16,200	16,787	16,985	17,289	17,578	17,850	18,060	18,256	18,408	18,547	18,709		
1990	17,967	18,559	19,294	20,012	20,655	21,163	21,610	22,092	22,504	22,913	23,295	23,669	23,940	24,508	24,771	25,013			
1991	18,527	19,284	19,833	20,590	21,718	22,606	23,087	23,812	24,439	24,847	25,337	26,312	26,928	27,731	27,866				
1992	21,055	21,921	22,407	22,847	23,431	23,996	25,024	25,381	25,954	26,563	26,880	27,173	27,596	27,793					
1993	23,138	23,695	24,593	26,340	26,915	27,622	28,397	29,411	30,447	31,348	31,995	32,687	33,693						
1994	27,860	28,745	29,759	30,319	31,042	31,842	32,416	33,008	33,722	34,620	35,040	35,450							
1995	19,145	19,785	20,381	20,952	21,544	22,129	22,953	23,612	24,141	24,421	24,739								
1996	23,860	24,626	25,438	26,318	27,359	28,367	29,023	29,644	30,044	30,467									
1997	23,547	24,600	25,595	26,854	27,775	28,722	29,496	30,143	30,674										
1998	23,990	24,777	25,777	26,528	27,895	28,738	29,259	29,560											
1999	24,721	25,614	26,375	26,874	27,318	27,714	28,057												
2000	23,983	24,602	25,139	25,670	26,107	26,726													
2001	28,181	29,038	29,537	30,037	30,424														
2002	24,477	25,004	25,444	25,985															
2003	30,303	30,963	31,252																
2004	30,460	31,078																	
2005	25,441																		
2006																			
2007																			
2008																			
2009																			
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2015																			
2016																			
2017																			
2018																			
2019																			
2020																			
2021																			
2022																			

NUMBER OF CLOSED LOST TIME CLAIMS

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																		
	216	228	240	252	264	276	288	300	312	324	336	348	360	372	384	396	408	420	432
1987	1,835	1,833	1,831	1,829	1,831	1,836	1,838	1,844	1,844	1,844	1,848	1,850	1,849	1,852	1,853	1,857	1,858	1,857	1,857
1988	2,059	2,052	2,050	2,054	2,060	2,058	2,061	2,067	2,066	2,067	2,063	2,066	2,068	2,069	2,070	2,071	2,072	2,072	
1989	1,914	1,908	1,908	1,913	1,915	1,919	1,919	1,922	1,923	1,924	1,922	1,924	1,927	1,925	1,924	1,926	1,927		
1990	2,061	2,061	2,056	2,058	2,057	2,061	2,063	2,070	2,070	2,069	2,074	2,077	2,082	2,089	2,090	2,090			
1991	2,014	2,012	2,007	2,014	2,017	2,014	2,030	2,025	2,020	2,026	2,027	2,029	2,031	2,031	2,040				
1992	2,159	2,160	2,163	2,166	2,165	2,167	2,169	2,174	2,169	2,176	2,180	2,183	2,184	2,189					
1993	2,069	2,071	2,075	2,074	2,077	2,078	2,081	2,085	2,088	2,089	2,091	2,092	2,094						
1994	2,220	2,226	2,228	2,232	2,231	2,236	2,234	2,236	2,244	2,248	2,252	2,257							
1995	2,016	2,015	2,020	2,023	2,022	2,026	2,027	2,030	2,030	2,033	2,040								
1996	1,610	1,614	1,619	1,617	1,621	1,626	1,630	1,632	1,635	1,634									
1997	1,492	1,497	1,502	1,502	1,510	1,513	1,512	1,516	1,519										
1998	1,545	1,545	1,548	1,546	1,551	1,556	1,563	1,564											
1999	1,390	1,392	1,402	1,408	1,406	1,408	1,410												
2000	1,268	1,270	1,280	1,284	1,289	1,288													
2001	1,193	1,201	1,202	1,205	1,206														
2002	1,083	1,084	1,087	1,090															
2003	1,201	1,203	1,206																
2004	1,238	1,242																	
2005	1,166																		
2006																			
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2019																			
2020																			
2021																			
2022																			

AVERAGE PAID LOSS PER CLOSED LOST TIME CLAIM

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																		
	216	228	240	252	264	276	288	300	312	324	336	348	360	372	384	396	408	420	432
1987	6,338	6,816	7,071	7,692	7,921	8,061	8,240	8,376	8,729	8,952	9,047	9,489	9,918	10,049	10,164	10,207	10,257	10,325	10,374
1988	8,074	8,342	8,573	8,798	9,003	9,305	9,681	9,606	9,862	10,094	10,360	10,568	10,750	10,956	11,112	11,342	11,536	11,687	
1989	7,257	7,450	7,635	7,726	7,830	7,927	8,442	8,734	8,832	8,986	9,145	9,278	9,372	9,483	9,568	9,630	9,709		
1990	8,717	9,005	9,384	9,724	10,041	10,268	10,475	10,673	10,871	11,075	11,232	11,396	11,499	11,732	11,853	11,968			
1991	9,199	9,585	9,882	10,223	10,768	11,224	11,429	11,759	12,099	12,264	12,500	12,968	13,259	13,654	13,660				
1992	9,752	10,149	10,359	10,548	10,823	11,074	11,537	11,675	11,966	12,207	12,330	12,447	12,636	12,697					
1993	11,183	11,441	11,852	12,700	12,959	13,293	13,646	14,106	14,582	15,006	15,301	15,625	16,090						
1994	12,550	12,913	13,357	13,584	13,914	14,240	14,510	14,762	15,050	15,400	15,559	15,707							
1995	9,496	9,819	10,090	10,357	10,655	10,923	11,324	11,631	11,892	12,012	12,127								
1996	14,820	15,258	15,712	16,276	16,878	17,446	17,806	18,165	18,376	18,646									
1997	15,782	16,433	17,040	17,879	18,294	18,984	19,508	19,883	20,193										
1998	15,527	16,037	16,652	17,159	17,985	18,469	18,720	18,900											
1999	17,785	18,401	18,812	19,087	19,430	19,683	19,899												
2000	18,914	19,372	19,640	19,992															

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - MEDICAL

INCURRED LOSSES (\$000's)

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																		
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204		
1987										10,150	10,286	10,394	10,393	10,577	10,970	11,038	11,682		
1988								12,543	13,550	13,535	14,529	15,927	15,684	16,018	16,856	17,402			
1989								12,926	12,666	13,009	13,068	13,244	13,377	13,298	13,985	14,505	14,480		
1990							13,111	13,782	15,114	15,473	15,191	15,405	15,746	16,468	17,298	18,425	15,522		
1991						13,021	13,925	15,309	15,773	15,945	16,090	16,363	16,833	17,757	18,733	19,855	20,284		
1992					14,116	15,010	16,292	16,932	17,063	17,537	17,797	18,407	19,926	20,924	21,655	22,641	25,144		
1993				15,002	17,390	17,427	17,544	17,987	19,054	19,584	19,878	20,111	21,784	22,735	23,525	25,617	26,228		
1994			19,316	21,718	21,950	22,525	23,465	24,554	25,719	26,134	26,770	27,746	28,481	29,036	29,907	31,757	34,106		
1995		10,522	12,816	12,877	13,312	13,697	14,337	15,042	15,731	16,015	17,285	17,599	18,730	19,463	20,964	22,829	23,949		
1996	7,023	11,630	12,250	12,951	14,083	16,966	17,832	18,644	19,810	22,181	22,858	23,635	24,483	25,993	26,828	28,442	31,674		
1997	7,563	11,458	12,282	14,290	15,346	16,144	16,992	18,155	19,969	21,073	22,255	22,940	24,695	26,765	29,340	31,055	39,133		
1998	10,694	12,749	14,609	16,078	17,113	18,742	19,767	21,669	22,468	23,139	24,985	27,190	28,132	29,683	30,442	34,584	34,062		
1999	8,422	11,137	12,743	13,874	14,983	16,407	19,008	20,533	21,844	24,554	25,402	26,743	29,813	30,958	33,363	39,255	48,498		
2000	8,451	11,190	12,750	14,478	15,719	18,178	19,600	20,655	22,914	24,738	27,722	29,692	34,171	38,396	37,948	38,050	39,531		
2001	9,249	14,217	15,349	16,928	18,928	20,638	22,289	24,635	26,405	28,412	30,624	34,270	41,277	41,361	43,225	43,548	44,226		
2002	10,114	13,844	15,533	17,034	18,578	19,401	21,827	24,917	25,345	27,549	28,784	34,643	32,861	33,462	34,858	35,864	35,740		
2003	12,435	14,835	16,632	18,180	20,023	22,759	24,478	28,052	31,655	35,713	44,087	42,929	43,879	43,799	45,597	44,736	42,785		
2004	13,024	14,807	16,564	18,740	20,260	22,288	25,357	32,498	35,644	46,843	45,201	46,419	47,736	45,470	44,488	47,459	47,845		
2005	12,737	14,070	15,236	16,968	17,963	20,806	24,300	26,837	38,550	39,306	38,357	38,029	37,532	39,023	34,699	37,270	37,418		
2006	13,383	16,271	19,055	21,137	22,836	26,715	31,602	48,927	48,327	46,818	47,679	49,789	49,022	50,516	49,879	48,284	46,803		
2007	13,027	16,243	17,639	18,687	21,474	24,034	41,199	41,455	41,346	41,116	43,124	41,812	40,563	39,526	39,098	38,942			
2008	15,378	18,907	19,961	21,285	22,727	39,263	38,756	38,834	38,027	42,150	41,849	41,074	42,672	46,850	46,424				
2009	15,622	16,800	17,462	19,131	33,817	32,881	33,613	34,400	33,920	33,651	32,445	31,293	30,256	30,068					
2010	18,142	19,652	21,640	42,817	42,125	45,740	50,888	50,466	48,686	44,708	43,006	41,723	40,776						
2011	18,800	19,883	39,745	42,026	43,423	48,157	47,198	46,071	45,134	44,221	42,436	43,635							
2012	15,140	23,862	25,334	34,899	40,108	41,928	44,811	44,596	40,001	40,675	39,312								
2013	19,391	20,515	25,862	31,551	36,954	37,250	40,382	42,870	41,453	38,640									
2014	18,466	24,065	31,678	41,087	38,013	38,816	37,235	36,117	35,447										
2015	17,442	21,823	32,200	38,213	43,582	44,342	42,458	45,705											
2016	17,621	22,395	27,860	32,795	37,638	32,908	31,962												
2017	18,712	21,285	25,359	29,182	28,865	28,782													
2018	18,638	19,525	22,765	23,540	24,476														
2019	17,323	17,825	19,439	21,312															
2020	14,159	14,529	18,724																
2021	15,275	17,412																	
2022	13,458																		

NUMBER OF REPORTED LOST TIME CLAIMS

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																		
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204		
1987														2,087	1,864	1,864	1,864		
1988														1,937	1,937	2,090	2,090		
1989														1,937	1,937	1,938	1,938		
1990														2,103	2,092	2,104	2,104		
1991										2,061	2,051	2,061	2,062	2,062	2,062	2,063	2,063		
1992										2,204	2,181	2,204	2,204	2,204	2,204	2,204	2,205		
1993										2,119	2,097	2,120	2,121	2,121	2,121	2,121	2,121		
1994										2,285	2,258	2,287	2,286	2,286	2,286	2,286	2,286		
1995										2,066	2,049	2,066	2,068	2,068	2,068	2,068	2,068		
1996										1,647	1,667	1,669	1,669	1,670	1,670	1,670	1,670		
1997										1,547	1,548	1,548	1,547	1,547	1,547	1,547	1,547		
1998			1,583	1,583	1,594	1,596	1,598	1,598	1,598	1,598	1,598	1,598	1,598	1,598	1,598	1,598	1,598		
1999			1,408	1,446	1,452	1,451	1,451	1,451	1,452	1,452	1,452	1,452	1,452	1,452	1,452	1,452	1,452		
2000		816	1,298	1,311	1,320	1,323	1,324	1,324	1,324	1,325	1,325	1,325	1,325	1,325	1,325	1,325	1,326		
2001		1,041	1,201	1,245	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250		
2002		964	1,114	1,133	1,135	1,136	1,136	1,136	1,136	1,136	1,135	1,134	1,134	1,134	1,135	1,135	1,135		
2003		1,106	1,239	1,248	1,250	1,250	1,248	1,249	1,249	1,249	1,249	1,249	1,248	1,248	1,248	1,248	1,248		
2004		1,133	1,267	1,281	1,285	1,285	1,286	1,286	1,286	1,286	1,286	1,286	1,286	1,286	1,286	1,286	1,286		
2005		1,076	1,204	1,221	1,222	1,225	1,224	1,224	1,224	1,224	1,224	1,224	1,224	1,223	1,222	1,224	1,224		
2006		1,062	1,160	1,170	1,169	1,170	1,170	1,170	1,170	1,170	1,170	1,170	1,170	1,170	1,170	1,171	1,171		
2007		950	1,069	1,078	1,084	1,083	1,083	1,083	1,083	1,083	1,083	1,083	1,083	1,083	1,083	1,083	1,083		
2008		955	1,083	1,094	1,094	1,093	1,094	1,093	1,093	1,093	1,093	1,093	1,094	1,094	1,093				
2009		1,021	1,115	1,126	1,125	1,126	1,126	1,126	1,126	1,126	1,126	1,126	1,126	1,125					
2010		982	1,082	1,098	1,098	1,095	1,098	1,098	1,099	1,099	1,099	1,099	1,100						
2011		839	923	934	933	934	933	933	933	933	933	933							
2012		834	926	937	939	939	938	938	938	938	938								
2013		830	924	936	937	938	938	938	940	940									
2014		897	961	971	971	972	972	972	972										
2015		798	901	914	914	914	914	914											
2016		737	797	804	805	805	805												
2017		743	818	832	836	837													
2018		669	748	754	755														
2019		642	696	707															
2020		559	625																
2021		606																	
2022																			

AVERAGE INCURRED LOSS PER REPORTED LOST TIME CLAIM

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																		
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204		
1987														5,680	5,885	5,922	6,267		
1988														7,631	7,515	7,664	8,326		
1989														6,834	6,906	6,865	7,485		
1990														7,223	7,364	7,484	7,827		
1991														8,163	8,612	9,085	9,624		
1992										7,736	7,845	7,939	8,163	9,041	9,494	9,825	10,273		

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - MEDICAL

INCURRED LOSSES (\$000')

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																		
	216	228	240	252	264	276	288	300	312	324	336	348	360	372	384	396	408	420	432
1987	12,041	13,035	14,323	15,625	15,792	16,278	17,626	17,832	18,014	26,952	20,435	20,295	21,040	21,290	20,999	20,781	21,014	21,171	21,156
1988	20,167	20,313	20,524	21,230	21,587	22,669	24,203	25,660	31,919	30,367	30,701	31,457	32,749	32,211	31,524	30,318	30,440	31,946	
1989	14,762	15,245	15,482	16,397	16,418	17,005	18,594	21,489	21,496	21,328	21,651	22,023	21,962	21,737	21,098	20,826	21,077		
1990	20,114	20,519	22,583	23,536	24,800	26,151	29,202	29,897	29,467	30,800	29,280	29,675	28,843	28,198	28,627	27,350			
1991	21,016	22,521	24,569	25,765	28,325	34,119	32,671	32,418	33,558	33,443	33,561	34,387	33,368	33,331	32,029				
1992	26,360	26,139	26,686	27,530	30,287	29,524	32,349	32,300	33,477	34,858	33,727	33,638	32,874	32,242					
1993	28,736	31,130	33,137	41,511	41,504	41,264	43,358	43,566	45,297	45,972	44,304	43,792	43,443						
1994	34,853	36,661	42,697	42,383	44,414	45,684	45,748	45,415	43,641	46,008	45,198	43,821							
1995	24,826	32,029	32,243	33,596	34,029	34,205	34,827	34,982	34,041	32,922	31,657								
1996	39,714	39,696	40,480	41,605	43,432	42,698	42,208	43,880	41,796	40,335									
1997	38,897	40,225	42,574	42,928	43,041	43,213	43,075	43,027	42,765										
1998	34,694	35,825	36,305	38,104	40,699	40,446	38,402	38,075											
1999	49,115	41,206	39,832	39,619	40,823	39,138	37,430												
2000	39,489	40,606	39,446	38,243	36,470	35,959													
2001	44,676	44,713	44,286	42,977	40,744														
2002	34,894	35,317	34,630	34,195															
2003	41,460	40,486	39,433																
2004	46,291	45,046																	
2005	37,468																		
2006																			
2007																			
2008																			
2009																			
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2012																			
2013																			
2014																			
2015																			
2016																			
2017																			
2018																			
2019																			
2020																			
2021																			
2022																			

NUMBER OF REPORTED LOST TIME CLAIMS

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																		
	216	228	240	252	264	276	288	300	312	324	336	348	360	372	384	396	408	420	432
1987	1,864	1,865	1,865	1,865	1,865	1,865	1,865	1,865	1,865	1,865	1,868	1,868	1,868	1,868	1,868	1,868	1,868	1,868	1,868
1988	2,089	2,089	2,087	2,087	2,087	2,087	2,087	2,086	2,086	2,087	2,086	2,086	2,086	2,086	2,086	2,086	2,086	2,086	2,086
1989	1,937	1,935	1,935	1,935	1,935	1,935	1,936	1,936	1,937	1,937	1,937	1,937	1,937	1,937	1,937	1,937	1,937	1,937	1,937
1990	2,105	2,105	2,105	2,105	2,105	2,105	2,105	2,111	2,110	2,110	2,110	2,109	2,109	2,109	2,109	2,109	2,109	2,109	2,109
1991	2,063	2,063	2,063	2,063	2,063	2,063	2,070	2,070	2,070	2,070	2,070	2,070	2,069	2,069	2,069	2,069	2,069	2,069	2,069
1992	2,205	2,205	2,205	2,205	2,205	2,210	2,210	2,210	2,210	2,210	2,210	2,210	2,210	2,210	2,210	2,210	2,210	2,210	2,210
1993	2,121	2,121	2,121	2,121	2,125	2,125	2,125	2,125	2,125	2,125	2,125	2,125	2,125	2,125	2,125	2,125	2,125	2,125	2,125
1994	2,286	2,286	2,286	2,288	2,288	2,288	2,288	2,288	2,288	2,288	2,288	2,288	2,288	2,288	2,288	2,288	2,288	2,288	2,288
1995	2,068	2,068	2,070	2,070	2,070	2,070	2,070	2,070	2,070	2,070	2,070	2,070	2,070	2,070	2,070	2,070	2,070	2,070	2,070
1996	1,670	1,675	1,675	1,675	1,675	1,675	1,675	1,675	1,675	1,675	1,675	1,675	1,675	1,675	1,675	1,675	1,675	1,675	1,675
1997	1,551	1,551	1,551	1,551	1,551	1,551	1,551	1,551	1,551	1,551	1,551	1,551	1,551	1,551	1,551	1,551	1,551	1,551	1,551
1998	1,599	1,599	1,599	1,598	1,598	1,598	1,598	1,598	1,598	1,598	1,598	1,598	1,598	1,598	1,598	1,598	1,598	1,598	1,598
1999	1,452	1,452	1,452	1,452	1,452	1,452	1,452	1,452	1,452	1,452	1,452	1,452	1,452	1,452	1,452	1,452	1,452	1,452	1,452
2000	1,326	1,326	1,326	1,326	1,326	1,326	1,326	1,326	1,326	1,326	1,326	1,326	1,326	1,326	1,326	1,326	1,326	1,326	1,326
2001	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250
2002	1,135	1,135	1,135	1,135	1,135	1,135	1,135	1,135	1,135	1,135	1,135	1,135	1,135	1,135	1,135	1,135	1,135	1,135	1,135
2003	1,248	1,248	1,248	1,248	1,248	1,248	1,248	1,248	1,248	1,248	1,248	1,248	1,248	1,248	1,248	1,248	1,248	1,248	1,248
2004	1,286	1,286	1,286	1,286	1,286	1,286	1,286	1,286	1,286	1,286	1,286	1,286	1,286	1,286	1,286	1,286	1,286	1,286	1,286
2005	1,204	1,204	1,204	1,204	1,204	1,204	1,204	1,204	1,204	1,204	1,204	1,204	1,204	1,204	1,204	1,204	1,204	1,204	1,204
2006																			
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2016																			
2017																			
2018																			
2019																			
2020																			
2021																			
2022																			

AVERAGE INCURRED LOSS PER REPORTED LOST TIME CLAIM

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																		
	216	228	240	252	264	276	288	300	312	324	336	348	360	372	384	396	408	420	432
1987	6,460	6,989	7,680	8,378	8,468	8,728	9,451	9,562	9,659	14,451	10,940	10,864	11,263	11,397	11,242	11,125	11,249	11,334	11,326
1988	9,654	9,724	9,834	10,173	10,344	10,862	11,597	12,301	15,301	14,551	14,718	15,080	15,699	15,442	15,112	14,534	14,593	15,315	
1989	7,621	7,878	8,001	8,474	8,485	8,788	9,604	11,100	11,098	11,011	11,178	11,369	11,338	11,222	10,892	10,752	10,881		
1990	9,556	9,748	10,728	11,181	11,781	12,423	13,873	14,162	13,966	14,597	13,877	14,070	13,676	13,370	13,574	12,968			
1991	10,187	10,917	11,910	12,489	13,730	16,539	15,783	15,661	16,212	16,156	16,213	16,612	16,120	16,110	15,480				
1992	11,955	11,855	12,103	12,485	13,735	13,359	14,638	14,615	15,148	15,773	15,261	15,221	14,875	14,589					
1993	13,548	14,677	15,623	15,571	15,511	19,419	20,404	20,502	21,316	21,634</									

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - MEDICAL

CASE RESERVES (\$000'S)

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																			
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204			
1987									1,219	389	273	162	161	133	267	137	438			
1988								1,521	897	589	1,195	590	497	907	932					
1989							1,712	1,509	853	649	564	439	390	124	599	924	706			
1990							1,538	2,337	2,125	1,846	1,320	1,015	1,065	1,411	1,896	2,382	2,900			
1991						1,286	1,439	2,088	2,108	1,726	1,590	1,198	1,031	1,896	2,330	2,621	2,922	4,406		
1992				1,673	3,296	2,372	1,907	1,729	1,997	1,903	1,637	1,317	2,443	2,847	3,078	4,038	4,016			
1993			5,421	6,471	5,090	4,652	4,670	4,591	4,646	4,299	4,219	4,540	4,640	4,358	4,531	5,650	7,225			
1994		1,618	2,369	1,503	1,344	1,227	1,405	1,980	1,706	1,492	1,217	1,972	2,631	2,859	3,872	5,134	5,540			
1995	3,009	3,139	1,714	1,415	1,716	3,750	3,563	3,444	3,899	5,288	5,267	5,149	4,946	5,701	5,469	6,288	8,742			
1996	3,947	2,490	1,877	2,825	2,947	2,766	2,761	3,091	4,095	4,510	4,878	4,719	5,657	6,964	8,529	9,543	16,428			
1997	5,628	2,959	2,786	2,508	2,425	2,701	3,222	4,201	4,465	4,498	5,749	7,282	7,492	8,313	8,267	11,735	10,692			
1998	4,233	2,259	1,837	1,689	1,784	2,545	4,154	4,762	5,116	6,552	7,059	7,384	9,758	10,031	17,360	16,253	24,532			
1999	3,710	1,990	1,638	2,227	2,513	3,811	4,302	4,930	5,628	6,678	8,854	9,959	13,643	17,174	15,967	15,240	16,153			
2000	4,272	3,949	2,579	2,630	3,290	4,116	4,714	5,871	6,634	7,735	9,164	11,989	17,952	16,959	17,402	16,719	16,708			
2001	4,799	3,103	2,821	2,834	3,363	3,101	4,781	6,955	6,687	8,309	8,746	14,028	11,658	11,709	12,443	12,779	11,544			
2002	6,332	3,704	3,345	3,076	3,625	4,849	5,601	8,158	10,746	13,881	20,531	18,465	18,022	16,786	17,076	15,524	13,161			
2003	7,293	3,321	2,869	3,509	3,666	4,392	6,452	12,823	14,881	24,678	21,846	23,926	21,844	18,899	16,903	18,551	18,023			
2004	7,453	3,856	3,310	3,949	4,043	5,763	8,193	9,783	20,505	20,215	17,560	16,281	15,085	15,607	10,713	12,680	12,382			
2005	7,490	3,745	3,428	4,091	4,448	7,004	10,469	26,232	24,399	21,401	21,193	22,206	20,433	20,698	18,956	16,664	14,468			
2006	6,639	3,578	2,806	2,352	3,965	5,525	21,577	20,901	19,995	18,675	19,261	17,123	15,237	13,663	12,650	12,029				
2007	8,788	5,123	3,345	3,189	3,160	18,698	17,207	16,386	14,747	17,008	16,682	15,255	15,780	18,238	16,860					
2008	8,952	3,644	2,214	2,701	16,349	14,424	14,327	14,525	13,146	12,304	10,674	8,939	7,191							
2009	9,860	4,032	3,233	22,817	20,722	22,955	26,731	23,065	19,386	14,509	12,339	10,452	9,073							
2010	10,384	3,694	20,587	20,963	20,802	23,641	20,733	18,337	16,529	14,575	11,641	12,233								
2011	7,777	9,839	9,131	16,020	19,567	19,320	20,915	19,461	14,000	14,010	12,203									
2012	11,522	6,074	7,877	12,125	15,444	14,472	16,504	17,959	15,713	12,079										
2013	10,540	8,815	13,606	20,996	16,056	15,589	13,148	11,049	9,995											
2014	10,170	6,744	14,150	17,789	21,480	20,669	17,860	20,462												
2015	9,137	6,833	9,496	12,175	14,981	8,833	7,385													
2016	10,801	6,895	8,949	11,012	9,827	9,084														
2017	10,995	6,451	7,411	6,962	7,599															
2018	11,416	7,078	6,964	7,800																
2019	8,593	4,800	7,631																	
2020	10,181	7,329																		
2021	9,016																			
2022																				

NUMBER OF OPEN LOST TIME CLAIMS

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																			
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204			
1987																				
1988																				
1989																				
1990																				
1991																				
1992																				
1993																				
1994																				
1995																				
1996																				
1997																				
1998																				
1999																				
2000	585	388	206	161	141	115	107	100	97	90	79	69	63	63	64	65	64			
2001	676	306	201	149	124	115	104	97	96	92	75	69	64	56	61	57	54			
2002	629	304	203	151	133	121	117	110	103	89	76	63	56	59	63	59	53			
2003	686	277	188	143	133	123	113	118	113	103	89	77	73	70	68	56	54			
2004	714	281	178	148	122	114	113	105	97	95	75	74	68	61	59	56	51			
2005	668	299	183	154	129	118	108	108	99	92	80	66	64	60	49	45	39			
2006	668	275	199	166	144	134	127	116	117	109	95	91	79	71	66	60	52			
2007	657	268	185	147	125	101	100	97	95	82	69	55	54	49	46	45				
2008	581	277	174	135	105	97	92	88	92	83	67	54	55	52	50					
2009	598	248	148	113	102	83	82	81	74	69	55	50	45	37						
2010	638	299	175	140	119	116	117	100	92	79	61	54	45							
2011	626	235	165	127	106	99	90	75	73	60	45	40								
2012	503	219	167	139	130	111	96	94	75	71	52									
2013	518	234	159	130	110	91	83	74	67	55										
2014	501	231	160	115	96	80	71	64	58											
2015	628	210	133	108	90	74	67	63												
2016	459	191	143	106	78	62	54													
2017	440	181	134	95	76	59														
2018	436	158	112	81	61															
2019	349	135	94	63																
2020	324	129	86																	
2021	280	121																		
2022	302																			

AVERAGE CASE RESERVE PER OPEN LOST TIME CLAIM

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																			
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204			
1987														7,015	6,847	5,058	29,200			
1988																				
1989																				
1990																				
1991																				
1992																				
1993																				
1994																				
1995																				
1996																				
1997																				
1998																				
1999																				
2000	6,341	6,502	8,147	14,949	20,269	33,142	41,364	45,257	58,621	72,584	118,058	144,912	213,174	306,681	261,758	267,363	299,127			
2001	6,319	12,699	11,513	14,692	21,363	29,613	36,258	45,510	55,747	67,853	105,338	148,008	245,917	242,268	248,604	249,539	278,467			
2002	7,630	10,208	13,899	18,765	25,285	25,626	40,865	63,228	64,922	93,365	115,084	222,659	208,178	198,658	197,509	216,590	217,811			
2003	9,231	13,373	17,793	21,513	27,257	39,424	49,563	69,138	95,096	134,764	230,689	239,802	246,870	239,806	251,114	272,215	243,713			
2004	10,215	11,817	16,118	23																

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - MEDICAL

CASE RESERVES (\$000'S)

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																		
	216	228	240	252	264	276	288	300	312	324	336	348	360	372	384	396	408	420	432
1987	412	541	1,377	1,557	1,289	1,478	2,481	2,386	1,917	10,444	3,716	2,740	2,701	2,679	2,166	1,826	1,956	1,998	1,891
1988	3,543	3,196	2,949	3,159	3,041	3,519	4,251	5,803	11,544	9,503	9,330	9,623	10,518	9,544	8,521	6,828	6,538	7,730	
1989	872	1,031	915	1,618	1,423	1,794	2,394	4,702	4,512	4,039	4,073	4,172	3,901	3,482	2,690	2,280	2,368		
1990	2,148	1,960	3,289	3,524	4,145	4,988	7,592	7,804	6,964	7,886	5,985	6,006	4,903	3,689	3,855	2,337			
1991	2,488	3,237	4,737	5,176	6,607	11,513	9,584	8,606	9,119	8,596	8,224	8,075	6,440	5,600	4,163				
1992	5,305	4,218	4,279	4,683	6,856	5,527	7,325	6,919	7,523	8,295	6,848	6,466	5,278	4,449					
1993	5,998	7,435	8,544	15,171	14,589	13,642	14,961	14,155	14,850	14,623	12,309	11,106	9,750						
1994	6,993	7,916	12,938	12,063	13,372	13,842	13,332	12,407	9,869	11,388	10,159	8,371							
1995	5,681	12,244	11,862	12,644	12,484	12,076	11,874	11,370	9,900	8,501	6,819								
1996	15,854	15,069	15,041	15,288	16,074	14,332	13,185	14,236	11,752	9,868									
1997	15,350	15,625	16,979	16,074	15,266	14,490	13,580	12,884	12,091										
1998	10,704	11,048	10,527	11,576	12,804	11,709	9,143	8,515											
1999	24,394	15,592	13,457	12,745	13,505	11,423	9,373												
2000	15,506	16,004	14,307	12,573	10,363	9,233													
2001	16,494	15,675	14,749	12,940	10,320														
2002	10,417	10,312	9,185	8,211															
2003	11,157	9,523	8,180																
2004	15,831	13,967																	
2005	12,027																		
2006																			
2007																			
2008																			
2009																			
2010																			
2011																			
2012																			
2013																			
2014																			
2015																			
2016																			
2017																			
2018																			
2019																			
2020																			
2021																			
2022																			

NUMBER OF OPEN LOST TIME CLAIMS

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																		
	216	228	240	252	264	276	288	300	312	324	336	348	360	372	384	396	408	420	432
1987	29	32	34	36	34	29	27	21	21	21	20	18	19	16	15	11	10	11	11
1988	30	37	37	33	27	29	26	19	20	20	23	20	18	17	16	15	14	14	
1989	23	27	27	22	20	16	17	14	14	13	15	13	10	12	13	11	10		
1990	44	44	49	47	48	44	42	41	40	41	36	32	27	20	19	19			
1991	49	51	56	49	46	49	50	45	50	44	43	41	39	38	29				
1992	46	45	42	39	40	43	41	36	41	34	30	27	26	21					
1993	52	50	46	47	48	47	44	40	37	36	34	33	31						
1994	66	60	58	56	57	52	54	52	44	40	36	31							
1995	52	53	50	47	48	44	43	40	40	37	30								
1996	60	61	56	58	54	49	45	43	40	41									
1997	59	54	49	49	41	38	39	35	32										
1998	54	54	51	52	47	42	35	34											
1999	62	60	50	44	46	44	42												
2000	58	56	46	42	37	38													
2001	57	49	48	45	44														
2002	52	51	48	45															
2003	47	45	42																
2004	48	44																	
2005	38																		
2006																			
2007																			
2008																			
2009																			
2010																			
2011																			
2012																			
2013																			
2014																			
2015																			
2016																			
2017																			
2018																			
2019																			
2020																			
2021																			
2022																			

AVERAGE CASE RESERVE PER OPEN LOST TIME CLAIM

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																		
	216	228	240	252	264	276	288	300	312	324	336	348	360	372	384	396	408	420	432
1987	14,200	16,896	40,493	43,244	37,912	50,977	91,895	113,632	91,277	497,344	185,802	152,239	142,184	167,457	144,382	166,034	195,589	181,617	171,954
1988	118,108	86,386	79,706	95,719	112,639	121,344	163,494	305,445	577,192	475,173	405,632	481,132	586,326	561,410	532,568	455,213	467,031	552,126	
1989	37,892	38,178	33,887	73,552	71,161	112,358	140,798	335,824	322,252	310,664	271,555	320,947	390,114	290,135	206,928	207,234	236,801		
1990	48,814	44,539	67,118	74,975	86,350	113,358	180,761	190,350	174,091	192,347	166,244	187,675	181,586	184,472	202,918	123,024			
1991	50,785	63,471	84,586	105,629	143,627	234,957	191,686	191,252	182,377	195,362	191,245	196,958	165,125	147,361	143,564				
1992	115,325	93,734	101,875	120,066	171,400	128,536	178,670	192,192	183,499	243,977	228,256	239,471	209,004	211,855					
1993	107,650	148,694	185,750	322,782	303,945	290,261	340,030	353,886	401,352	406,200	362,042	336,531	314,521						
1994	105,948	131,936	223,065	215,414	234,591	266,200	246,802	238,596	224,299	284,694	282,191	270,019							
1995	109,253	231,011	237,236	269,030	260,091	274,445	276,143	284,257	247,505	229,752	230,620								
1996	264,235	247,040	268,598	263,584	297,659	292,483	293,003	331,064	293,800	240,680									
1997	260,168	289,360	346,519	328,038	372,340	381,225	348,193	368,124	377,837										
1998	198,230	204,591	206,419	222,611	272,428	278,775	261,216	250,443											
1999	393,448	259,860	269,149	289,649	293,591	259,625	223,169												
2000	267,353	285,786	311,017	299,368	280,072	242,966													
2001	289,377	319,900	307,279	287,561	234,542														
2002	300,323	202,204	191,362	182,462															
2003	237,380	211,625	194,773																
2004	329,804	317,442																	

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - MEDICAL

IMPLIED OUTSTANDING LOSS (\$000's)

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																			
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204			
1987										11,607	11,354	11,135	11,136	10,924	10,664	10,467	10,123			
1988									20,986	20,283	19,673	18,371	17,579	17,217	16,790	16,362	15,841			
1989								9,939	9,544	8,997	8,853	8,551	8,370	8,183	7,971	7,775	7,582			
1990							16,375	15,620	15,049	14,405	13,839	13,275	12,688	12,149	11,725	11,217	10,295			
1991						20,870	20,217	19,632	18,957	18,506	17,835	17,257	16,837	16,258	15,768	15,132	14,620			
1992					20,043	19,342	18,708	18,088	17,575	16,966	16,313	15,536	14,883	14,319	13,878	13,193	12,508			
1993				31,158	30,394	29,431	28,851	28,230	27,430	26,806	26,246	25,694	25,146	24,599	24,041	22,908	22,275			
1994			31,122	29,769	28,156	27,144	26,221	25,054	23,944	23,182	22,465	21,810	21,175	20,339	19,640	18,309	18,135			
1995		37,709	32,320	22,186	21,259	20,666	20,164	19,701	19,172	18,609	18,110	17,476	17,006	16,535	16,030	15,541	14,939	14,230		
1996		40,786	35,435	33,997	32,937	32,003	31,024	30,171	29,338	28,528	27,839	27,025	26,182	25,363	24,601	23,951	22,890	21,697		
1997		34,615	29,892	27,858	26,111	24,793	23,641	22,137	22,213	21,679	21,040	20,446	19,774	19,041	18,311	17,506	16,832	16,161		
1998		34,978	30,289	28,261	26,982	25,968	25,214	24,213	23,395	22,438	21,565	20,824	19,807	19,112	18,240	17,163	16,164	15,201		
2000		33,037	28,578	26,666	25,528	24,573	23,412	22,480	21,513	20,492	19,718	18,910	18,086	17,250	16,556	15,797	14,968	14,401		
2001		38,002	32,710	30,208	28,680	27,340	26,457	25,403	24,214	23,207	22,302	21,519	20,697	19,653	18,576	17,155	16,149	15,460		
2002		30,913	25,487	23,515	22,026	21,011	19,927	19,181	18,265	17,569	16,987	16,189	15,611	15,024	14,474	13,812	13,141	12,431		
2003		35,853	30,825	28,669	26,852	25,558	24,046	23,078	22,062	21,046	20,123	18,400	17,491	16,098	14,943	13,455	12,743	12,331		
2004		42,404	36,558	34,439	32,904	31,540	30,239	29,229	28,260	27,172	25,970	24,779	23,642	22,243	21,563	20,550	19,227	18,512		
2005		34,927	29,997	28,285	27,192	26,290	25,167	24,103	23,157	22,166	21,120	19,414	18,463	17,764	16,795	16,225	15,621	15,174		
2006		44,568	37,934	34,833	33,414	32,072	30,750	29,327	27,765	26,533	25,043	23,975	22,878	21,872	20,643	19,537	18,841	18,125		
2007		36,145	29,838	27,670	26,168	24,994	23,994	22,881	21,949	21,151	20,262	18,640	17,814	17,177	16,640	16,055	15,590			
2008		44,040	36,846	34,014	32,533	31,061	30,064	29,080	28,181	27,349	26,387	25,483	24,811	23,737	22,018	21,065				
2009		26,348	19,861	17,760	16,587	15,549	14,560	13,732	13,142	12,243	11,670	11,247	10,664	9,952						
2010		36,829	29,491	26,704	25,111	23,707	22,326	20,954	17,710	15,811	14,911	14,444	13,840	13,407						
2011		40,245	32,472	29,503	27,598	26,040	24,145	22,196	20,928	20,056	19,015	17,866	17,259							
2012		36,854	30,193	27,813	25,337	23,676	21,608	20,321	19,081	18,215	17,551	17,107								
2013		35,965	29,394	26,650	24,408	22,324	21,057	19,957	18,924	18,065	17,273									
2014		32,632	25,308	22,485	20,466	18,602	17,331	16,472	15,490	15,106										
2015		43,809	36,002	33,031	30,658	28,979	27,408	26,483	25,838											
2016		29,296	22,218	19,417	17,160	15,122	13,704	13,203												
2017		27,750	21,270	18,560	17,490	16,623	15,962													
2018		24,585	19,154	16,874	15,650	14,952														
2019		24,813	19,973	18,246	17,208															
2020		25,754	21,590	20,226																
2021		27,777	22,787																	
2022		27,070																		

IMPLIED NUMBER OF OPEN AND IBNR LOST TIME CLAIMS

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																			
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204			
1987																				
1988																				
1989																				
1990																				
1991																				
1992																				
1993																				
1994																				
1995																				
1996																				
1997																				
1998																				
1999																				
2000		1,095	334	216	155	127	117	106	99	101	95	66	61	58	56	52	59	56		
2001		885	360	229	179	154	139	129	129	119	114	87	81	73	70	67	60	64		
2002		800	325	205	151	132	120	116	109	102	88	76	64	57	60	63	59	53		
2003		828	286	188	141	131	123	112	117	112	102	88	76	73	70	68	56	54		
2004		867	300	183	149	123	114	113	105	97	95	75	74	68	61	59	56	51		
2005		797	313	182	153	128	117	108	108	99	92	80	66	64	60	49	45	39		
2006		816	295	202	168	143	134	127	116	117	109	95	91	80	73	66	60	52		
2007		766	279	186	149	126	102	101	98	96	83	70	56	55	50	46	45			
2008		714	291	179	134	105	97	91	88	92	83	67	54	55	52	50				
2009		736	258	147	112	102	82	82	81	74	69	55	50	44	37					
2010		742	269	174	140	118	115	118	99	91	78	60	53	45						
2011		744	253	167	129	111	101	92	76	74	61	46	40							
2012		597	229	166	139	129	110	96	94	75	71	52								
2013		622	246	160	129	109	90	83	74	67	55									
2014		611	247	164	118	98	82	72	64	58										
2015		703	221	134	109	90	74	67	63											
2016		575	204	143	106	78	62	54												
2017		508	189	135	95	76	59													
2018		530	177	117	82	61														
2019		436	143	96	64															
2020		391	142	88																
2021		357	132																	
2022		382																		

AVERAGE IMPLIED OUTSTANDING LOSS PER IMPLIED NUMBER OF OPEN LOST TIME CLAIMS

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																			
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204			
1987																				
1988																				
1989																				
1990																				
1991																				
1992																				
1993																				
1994																				
1995																				
1996																				
1997																				
1998																				
1999																				
2000		30,171	85,663	123,456	164,694	193,489	200,104	212,080	217,308	209,101	212,023	248,819	258,368	265,387	290,459	254,796	258,070	266,676		
2001		42,940	90,862	131,912	160,222	177,531	190,335	195,407	187,703	195,015	195,628	247,345	255,512	269,221	265,369	245,07				

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - MEDICAL

RATIO OF PAID LOSS TO INCURRED LOSS

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204
1987										0.9616	0.9735	0.9844	0.9845	0.9874	0.9757	0.9876	0.9625
1988									0.9028	0.8877	0.9337	0.9594	0.9250	0.9624	0.9690	0.9462	0.9464
1989								0.8833	0.9326	0.9501	0.9568	0.9669	0.9708	0.9906	0.9572	0.9363	0.9513
1990							0.8694	0.8819	0.8418	0.8640	0.9173	0.9412	0.9580	0.9487	0.9277	0.8986	0.8953
1991						0.9012	0.8896	0.8473	0.8653	0.8842	0.9179	0.9380	0.9367	0.9205	0.8988	0.8800	0.8866
1992					0.9117	0.9041	0.8719	0.8755	0.8988	0.9093	0.9327	0.9440	0.9048	0.8886	0.8790	0.8709	0.8115
1993				0.8885	0.8104	0.8639	0.8913	0.9039	0.8952	0.9028	0.9177	0.9345	0.8879	0.8748	0.8691	0.8424	0.8469
1994			0.7193	0.7020	0.7681	0.7935	0.8010	0.8130	0.8193	0.8355	0.8424	0.8364	0.8371	0.8499	0.8485	0.8221	0.7882
1995		0.8462	0.8152	0.8833	0.8990	0.9104	0.9020	0.8950	0.8915	0.9069	0.8769	0.8880	0.8595	0.8531	0.8153	0.7751	0.7686
1996	0.5716	0.7301	0.8601	0.8907	0.8781	0.7790	0.8002	0.8153	0.8032	0.7616	0.7696	0.7822	0.7980	0.7807	0.7961	0.7789	0.7241
1997	0.4782	0.7826	0.8472	0.8023	0.8079	0.8287	0.8375	0.8297	0.7949	0.7860	0.7808	0.7943	0.7709	0.7398	0.7093	0.6927	0.5802
1998	0.4737	0.7679	0.8093	0.8440	0.8599	0.8559	0.8370	0.8061	0.8013	0.8056	0.7699	0.7322	0.7337	0.7199	0.7284	0.6607	0.6861
1999	0.4974	0.7971	0.8558	0.8782	0.8809	0.8457	0.7814	0.7681	0.7658	0.7169	0.7221	0.7239	0.6727	0.6760	0.5590	0.5860	0.4942
2000	0.5610	0.8222	0.8716	0.8462	0.8401	0.7903	0.7805	0.7544	0.7301	0.6806	0.6632	0.6007	0.5527	0.5292	0.5995	0.5914	
2001	0.5381	0.7222	0.8320	0.8447	0.8262	0.8005	0.7885	0.7617	0.7488	0.7277	0.7007	0.6502	0.5651	0.5900	0.5974	0.6161	0.6222
2002	0.5255	0.7758	0.8184	0.8337	0.8190	0.8402	0.7810	0.7209	0.7362	0.6984	0.6961	0.5951	0.6452	0.6501	0.6430	0.6437	0.6733
2003	0.4908	0.7503	0.7989	0.8308	0.8189	0.7869	0.7712	0.7092	0.6605	0.6113	0.5343	0.5699	0.5893	0.6167	0.6255	0.6530	0.6924
2004	0.4400	0.7771	0.8268	0.8127	0.8191	0.8030	0.7456	0.6116	0.5881	0.4732	0.5167	0.5277	0.5424	0.5844	0.6200	0.6091	0.6217
2005	0.4148	0.7260	0.7828	0.7672	0.7749	0.7230	0.6629	0.6355	0.4681	0.4857	0.5422	0.5719	0.5981	0.6001	0.6913	0.6598	0.6691
2006	0.4403	0.7699	0.8201	0.8065	0.8052	0.7378	0.6687	0.4639	0.4951	0.5429	0.5555	0.5540	0.5832	0.5903	0.6200	0.6549	0.6909
2007	0.4904	0.7797	0.8409	0.8741	0.8154	0.7701	0.4763	0.4958	0.5164	0.5458	0.5534	0.5905	0.6244	0.6543	0.6765	0.6911	
2008	0.4285	0.7290	0.8324	0.8502	0.8610	0.5238	0.5560	0.5781	0.6122	0.5877	0.6014	0.6286	0.6302	0.6107	0.6368		
2009	0.4269	0.7831	0.8732	0.8588	0.5165	0.5613	0.5738	0.5778	0.6124	0.6344	0.6710	0.7143	0.7623	0.7909			
2010	0.4565	0.7948	0.8506	0.4671	0.5081	0.4981	0.4747	0.5430	0.6018	0.6755	0.7131	0.7495	0.7775				
2011	0.4477	0.8142	0.4820	0.5012	0.5210	0.5091	0.5607	0.6020	0.6338	0.6704	0.7257	0.7197					
2012	0.4863	0.5877	0.6424	0.5410	0.5121	0.5392	0.5333	0.5636	0.6500	0.6556	0.6896						
2013	0.4058	0.7039	0.6857	0.6157	0.5821	0.6115	0.5913	0.5811	0.6209	0.6874							
2014	0.4292	0.6337	0.5705	0.4890	0.5776	0.5984	0.6469	0.6941	0.7180								
2015	0.4169	0.6910	0.5606	0.5345	0.5071	0.5339	0.5794	0.5523									
2016	0.4815	0.6949	0.6591	0.6287	0.6020	0.7316	0.7689										
2017	0.4228	0.6761	0.6553	0.6227	0.6595	0.6844											
2018	0.4100	0.6696	0.6745	0.7043	0.7059												
2019	0.3410	0.6029	0.6417	0.6340													
2020	0.3931	0.6696	0.5925														
2021	0.3335	0.5791															
2022	0.3301																

RATIO OF CLOSED LOST TIME CLAIMS TO REPORTED LOST TIME CLAIMS

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204
1987														0.9898	0.9791	0.9855	0.9920
1988														0.9809	0.9845	0.9886	0.9823
1989												0.9804	0.9819	0.9805	0.9838	0.9786	0.9886
1990										0.9510	0.9737	0.9743	0.9748	0.9796	0.9782	0.9767	0.9772
1991									0.9446	0.9587	0.9678	0.9714	0.9823	0.9823	0.9823	0.9787	0.9791
1992									0.9443	0.9566	0.9514	0.9628	0.9774	0.9778	0.9741	0.9741	0.9745
1993						0.9472	0.9585	0.9540	0.9521	0.9550	0.9691	0.9715	0.9729	0.9739	0.9758	0.9724	0.9739
1994					0.9238	0.9472	0.9388	0.9401	0.9431	0.9425	0.9539	0.9581	0.9593	0.9593	0.9605	0.9605	0.9635
1995				0.8959	0.9234	0.9198	0.9238	0.9264	0.9289	0.9334	0.9489	0.9541	0.9580	0.9560	0.9586	0.9599	0.9612
1996			0.8377	0.8844	0.9084	0.9148	0.9199	0.9268	0.9305	0.9368	0.9512	0.9562	0.9606	0.9606	0.9612	0.9637	0.9650
1997		0.7244	0.8575	0.8891	0.9028	0.9207	0.9263	0.9311	0.9332	0.9380	0.9456	0.9525	0.9566	0.9566	0.9559	0.9552	0.9559
1998	0.2831	0.7643	0.8467	0.8871	0.9063	0.9131	0.9215	0.9267	0.9275	0.9306	0.9434	0.9479	0.9517	0.9577	0.9540	0.9570	0.9593
1999	0.3506	0.7410	0.8201	0.8568	0.8768	0.8888	0.8960	0.8968	0.9048	0.9088	0.9304	0.9352	0.9416	0.9440	0.9440	0.9464	0.9520
2000	0.3475	0.7271	0.8208	0.8670	0.8829	0.8935	0.8970	0.9032	0.9093	0.9217	0.9330	0.9444	0.9506	0.9480	0.9445	0.9480	0.9533
2001	0.3797	0.7764	0.8494	0.8856	0.8936	0.9014	0.9095	0.9055	0.9095	0.9175	0.9287	0.9384	0.9415	0.9439	0.9455	0.9551	0.9567
2002	0.3698	0.7782	0.8610	0.8848	0.9051	0.9114	0.9121	0.9184	0.9246	0.9261	0.9417	0.9425	0.9471	0.9526	0.9541	0.9565	0.9603
2003	0.3786	0.7487	0.8481	0.8722	0.8929	0.9021	0.9103	0.9103	0.9178	0.9236	0.9336	0.9452	0.9468	0.9502	0.9593	0.9626	0.9676
2004	0.3792	0.7716	0.8370	0.8642	0.8824	0.8905	0.8962	0.9052	0.9044	0.9109	0.9224	0.9257	0.9354	0.9419	0.9461	0.9510	0.9575
2005	0.3814	0.7690	0.8419	0.8743	0.8932	0.9137	0.9145	0.9171	0.9188	0.9299	0.9410	0.9530	0.9538	0.9581	0.9607	0.9616	
2006	0.3884	0.7409	0.8386	0.8755	0.9030	0.9104	0.9151	0.9187	0.9151	0.9234	0.9381	0.9501	0.9492	0.9520	0.9538		
2007	0.3738	0.7710	0.8647	0.8967	0.9067	0.9241	0.9250	0.9259	0.9323	0.9369	0.9497	0.9543	0.9589	0.9661			
2008	0.3751	0.7677	0.8446	0.8756	0.8943	0.8970	0.8961	0.9112	0.9183	0.9298	0.9458	0.9520	0.9600				
2009	0.3625	0.7828	0.8497	0.8843	0.9032	0.9098	0.9180	0.9318	0.9336	0.9454	0.9591	0.9636					
2010	0.4005	0.7627	0.8212	0.8510	0.8608	0.8812	0.8971	0.8992	0.9196	0.9239	0.9443						
2011	0.3789	0.7473	0.8303	0.8616	0.8829	0.9031	0.9115	0.9211	0.9286	0.9414							
2012	0.3964	0.7500	0.8291	0.8773	0.8977	0.9147	0.9244	0.9319	0.9383								
2013	0.2999	0.7815	0.8630	0.8888	0.9074	0.9239	0.9311	0.9352									
2014	0.4248	0.7880	0.8435	0.8840	0.9147	0.9322	0.9409										
2015	0.4030	0.7729	0.8333	0.8820	0.9056	0.9267											
2016	0.4132	0.8068	0.8654	0.9031	0.9271												
2017	0.4783	0.8195	0.8753	0.9166													
2018	0.4953	0.8147	0.8784														
2019	0.4991	0.8064															
2020	0.5017																
2021																	
2022																	

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - MEDICAL

RATIO OF PAID LOSS TO INCURRED LOSS

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																		
	216	228	240	252	264	276	288	300	312	324	336	348	360	372	384	396	408	420	432
1987	0.9658	0.9585	0.9039	0.9004	0.9184	0.9092	0.8592	0.8662	0.8936	0.6125	0.8182	0.8650	0.8716	0.8742	0.8969	0.9121	0.9069	0.9056	0.9106
1988	0.8243	0.8427	0.8563	0.8512	0.8591	0.8448	0.8244	0.7738	0.6383	0.6870	0.6961	0.6941	0.6788	0.7037	0.7297	0.7748	0.7852	0.7580	
1989	0.9410	0.9324	0.9409	0.9013	0.9133	0.8945	0.8713	0.7812	0.7901	0.8106	0.8119	0.8105	0.8224	0.8398	0.8725	0.8905	0.8876		
1990	0.8932	0.9045	0.8544	0.8503	0.8329	0.8093	0.7400	0.7390	0.7637	0.7440	0.7956	0.7976	0.8300	0.8692	0.8653	0.9145			
1991	0.8816	0.8563	0.8072	0.7991	0.7667	0.6626	0.7066	0.7345	0.7283	0.7430	0.7550	0.7652	0.8070	0.8320	0.8700				
1992	0.7988	0.8386	0.8397	0.8299	0.7736	0.8128	0.7735	0.7858	0.7753	0.7620	0.7970	0.8078	0.8394	0.8620					
1993	0.8052	0.7612	0.7421	0.6345	0.6485	0.6694	0.6549	0.6751	0.6722	0.6819	0.7222	0.7464	0.7756						
1994	0.7994	0.7841	0.6970	0.7154	0.6989	0.6970	0.7086	0.7268	0.7739	0.7525	0.7752	0.8090							
1995	0.7712	0.6177	0.6321	0.6236	0.6331	0.6470	0.6591	0.6750	0.7092	0.7418	0.7815								
1996	0.6008	0.6204	0.6284	0.6326	0.6299	0.6644	0.6876	0.6756	0.7188	0.7554									
1997	0.6054	0.6116	0.6012	0.6256	0.6453	0.6647	0.6847	0.7006	0.7173										
1998	0.6915	0.6916	0.7100	0.6962	0.6854	0.7105	0.7619	0.7764											
1999	0.5033	0.6216	0.6621	0.6783	0.6692	0.7081	0.7496												
2000	0.6073	0.6059	0.6373	0.6712	0.7159	0.7432													
2001	0.6308	0.6494	0.6670	0.6989	0.7467														
2002	0.7015	0.7080	0.7348	0.7599															
2003	0.7309	0.7648	0.7925																
2004	0.6580	0.6899																	
2005	0.6790																		
2006																			
2007																			
2008																			
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2019																			
2020																			
2021																			
2022																			

RATIO OF CLOSED LOST TIME CLAIMS TO REPORTED LOST TIME CLAIMS

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																		
	216	228	240	252	264	276	288	300	312	324	336	348	360	372	384	396	408	420	432
1987	0.9844	0.9828	0.9818	0.9807	0.9818	0.9845	0.9855	0.9887	0.9887	0.9887	0.9893	0.9904	0.9898	0.9914	0.9920	0.9941	0.9946	0.9941	0.9941
1988	0.9856	0.9823	0.9823	0.9842	0.9871	0.9861	0.9875	0.9909	0.9904	0.9904	0.9890	0.9904	0.9914	0.9919	0.9923	0.9928	0.9933	0.9933	
1989	0.9881	0.9860	0.9860	0.9886	0.9897	0.9917	0.9912	0.9928	0.9928	0.9933	0.9923	0.9933	0.9948	0.9938	0.9933	0.9943	0.9948		
1990	0.9791	0.9791	0.9767	0.9777	0.9772	0.9791	0.9800	0.9806	0.9810	0.9806	0.9829	0.9848	0.9872	0.9905	0.9910	0.9910			
1991	0.9762	0.9753	0.9729	0.9762	0.9777	0.9762	0.9758	0.9783	0.9758	0.9787	0.9792	0.9802	0.9812	0.9816	0.9860				
1992	0.9791	0.9796	0.9810	0.9823	0.9819	0.9805	0.9814	0.9837	0.9814	0.9846	0.9864	0.9878	0.9882	0.9905					
1993	0.9755	0.9764	0.9783	0.9778	0.9774	0.9779	0.9793	0.9812	0.9826	0.9831	0.9840	0.9845	0.9854						
1994	0.9711	0.9738	0.9746	0.9755	0.9751	0.9773	0.9764	0.9773	0.9808	0.9825	0.9843	0.9865							
1995	0.9749	0.9744	0.9758	0.9773	0.9768	0.9787	0.9792	0.9807	0.9807	0.9821	0.9855								
1996	0.9641	0.9636	0.9666	0.9654	0.9678	0.9707	0.9731	0.9743	0.9761	0.9755									
1997	0.9620	0.9652	0.9684	0.9684	0.9736	0.9755	0.9749	0.9774	0.9794										
1998	0.9662	0.9662	0.9681	0.9675	0.9706	0.9737	0.9781	0.9787											
1999	0.9573	0.9587	0.9656	0.9697	0.9683	0.9697	0.9711												
2000	0.9563	0.9578	0.9653	0.9683	0.9721	0.9713													
2001	0.9544	0.9608	0.9616	0.9640	0.9648														
2002	0.9542	0.9551	0.9577	0.9604															
2003	0.9623	0.9639	0.9663																
2004	0.9627	0.9658																	
2005	0.9684																		
2006																			
2007																			
2008																			
2009																			
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2021																			
2022																			

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
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SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - MEDICAL

INCURRED LOSS DIVIDED BY EXPOSURE (PAYROLL IN MILLIONS)

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204
1987										5.0396	5.1072	5.1610	5.1600	5.2515	5.4469	5.4804	5.8004
1988									5.8578	6.3277	6.3207	6.7853	7.4379	7.3244	7.4803	7.8717	8.1268
1989								5.5379	5.4265	5.5732	5.5985	5.6741	5.7307	5.6970	5.9912	6.2144	6.2035
1990							5.1215	5.3837	5.9042	6.0444	5.9342	6.0178	6.1509	6.4331	6.7573	7.1977	7.6260
1991					4.3825	4.6870	5.1528	5.3089	5.3668	5.4157	5.5074	5.6657	5.9768	6.3052	6.6828	6.8274	
1992				4.8326	5.1385	5.5775	5.7967	5.8415	6.0037	6.0928	6.3017	6.8217	7.1632	7.4136	7.7512	8.6081	
1993				4.9172	5.6997	5.7120	5.7502	5.8953	6.2451	6.4189	6.5152	6.5915	7.1400	7.4517	7.7106	8.3962	8.5965
1994			5.9444	6.6838	6.7552	6.9321	7.2214	7.5565	7.9149	8.0426	8.2384	8.5389	8.7649	8.9358	9.2040	9.7732	10.4962
1995		3.0618	3.7294	3.7471	3.8736	3.9856	4.1719	4.3771	4.5776	4.6603	5.0297	5.1211	5.4501	5.6635	6.1004	6.6430	6.9676
1996	2.0694	3.4269	3.6095	3.8160	4.1495	4.9990	5.2544	5.4936	5.8372	6.5357	6.7352	6.9643	7.2141	7.6589	7.9049	8.3805	9.3345
1997	2.2416	3.3960	3.6404	4.2354	4.5486	4.7850	5.0364	5.3811	5.9187	6.2459	6.5965	6.7992	7.3196	7.9330	8.6964	9.2047	11.5988
1998	2.8361	3.3810	3.8744	4.2638	4.5914	4.9703	5.2421	5.7466	5.9584	6.1365	6.6259	7.2107	7.4605	7.8718	8.0732	9.1716	9.0331
1999	2.0783	2.7482	3.1446	3.4236	3.6972	4.0708	4.6903	5.0668	5.3902	6.0589	6.2681	6.5991	7.3566	7.6392	9.7132	9.6865	11.9672
2000	1.9466	2.5773	2.9366	3.3347	3.6204	4.1868	4.5143	4.7573	5.2777	5.6978	6.3852	6.8387	7.8706	8.8437	8.7405	8.7639	9.1050
2001	2.0003	3.0750	3.3198	3.6613	4.0939	4.4636	4.8207	5.3282	5.7110	6.1450	6.6234	7.4121	8.9275	8.9457	9.3488	9.4188	9.5654
2002	2.1921	3.0005	3.3667	3.6921	4.0267	4.2050	4.7309	5.4006	5.4934	5.9711	6.2388	7.5086	7.1224	7.2526	7.5552	7.7734	7.6598
2003	2.7809	3.3176	3.7194	4.0656	4.4777	5.0895	5.4741	6.2732	7.0791	7.9866	9.8591	9.6003	9.8127	9.7948	10.1968	10.0044	9.5679
2004	2.9205	3.3404	3.7143	4.2022	4.5431	4.9977	5.6860	7.2871	7.9925	10.5037	10.1356	10.4087	10.7040	10.1959	9.9757	10.6418	10.6837
2005	2.6008	2.8730	3.1112	3.4649	3.6681	4.2486	4.9621	5.4801	7.8718	8.0263	7.8325	7.7655	7.6640	7.9684	7.0855	7.6105	7.6407
2006	2.5432	3.0921	3.6211	4.0168	4.3397	5.0769	6.0056	9.2979	9.1838	8.8971	9.0606	9.4616	9.3159	9.5999	9.4788	9.1756	8.8943
2007	2.3594	2.9419	3.1948	3.3845	3.8894	4.3530	7.4618	7.5082	7.4485	7.4468	7.8105	7.5729	7.3466	7.1589	7.0813	7.0531	
2008	2.6263	3.2290	3.4090	3.6352	3.8816	6.7056	6.6190	6.6323	6.4945	7.0450	7.1472	7.0149	7.2878	8.0013	7.9286		
2009	2.6099	2.8068	2.9173	3.1962	5.6498	5.4934	5.6156	5.7471	5.6670	5.6220	5.4206	5.2280	5.0548	5.0234			
2010	3.0440	3.2973	3.6309	7.1841	7.0681	7.6746	8.5384	8.4676	8.1689	7.5015	7.2158	7.0006	6.8418				
2011	3.1533	3.3349	6.6661	7.0486	7.2830	8.0770	7.9163	7.7272	7.5701	7.4169	7.1175	7.3186					
2012	2.4249	3.8220	4.0897	5.5898	6.4241	6.7156	7.1774	7.1429	6.4070	6.5149	6.2965						
2013	3.0435	3.2198	3.9335	4.9520	5.8000	5.8465	6.3380	6.7285	6.5061	6.0646							
2014	2.7936	3.6408	4.7925	6.2159	5.7508	5.8723	5.6331	5.4640	5.3626								
2015	2.5983	3.2509	4.7968	5.6925	6.4923	6.6055	6.3248	6.8085									
2016	2.5318	3.2178	4.0030	4.7121	5.4080	4.7284	4.5924										
2017	2.6442	3.0079	3.6684	4.1238	4.0790	4.0673											
2018	2.5214	2.6414	3.0797	3.1845	3.3111												
2019	2.2919	2.3582	2.5717	2.8195													
2020	1.8003	1.8474	2.3807														
2021	1.9392	2.2105															
2022	1.6162																

PAID LOSS DIVIDED BY EXPOSURE (PAYROLL IN MILLIONS)

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204
1987										4.8463	4.9717	5.0805	5.0801	5.1853	5.3143	5.4125	5.5830
1988									5.2885	5.6172	5.9019	6.5100	6.8798	7.0489	7.2481	7.4481	7.6914
1989								4.8914	5.0609	5.2953	5.3568	5.4860	5.5636	5.6438	5.7347	5.8187	5.9011
1990							4.4527	4.7477	4.9704	5.2221	5.4433	5.6637	5.8927	6.1033	6.2690	6.4675	6.8275
1991					3.9496	4.1695	4.3661	4.5936	4.7454	4.9713	5.1658	5.3071	5.5018	5.6670	5.8811	6.0531	
1992					4.4059	4.6459	4.8628	5.0751	5.2506	5.4594	5.6828	5.9488	6.1724	6.3655	6.5165	6.7508	6.9854
1993				4.3688	4.6193	4.9347	5.1250	5.3285	5.5905	5.7951	5.9787	6.1597	6.3394	6.5184	6.7016	7.0728	7.2803
1994			4.2760	4.6923	5.1887	5.5004	5.7842	6.1435	6.4850	6.7196	6.9401	7.1418	7.3371	7.5945	7.8097	8.0346	8.2727
1995		2.5909	3.0401	3.3099	3.4824	3.6286	3.7632	3.9173	4.0811	4.2262	4.4108	4.5474	4.6844	4.8316	4.9738	5.1490	5.3553
1996	1.1828	2.5021	3.1046	3.3991	3.6439	3.8941	4.2047	4.4789	4.6884	4.9775	5.1832	5.4472	5.7566	5.9790	6.2934	6.5276	6.7587
1997	1.0719	2.6578	3.0841	3.3982	3.6750	3.9652	4.2180	4.4648	4.7050	4.9092	5.1506	5.4004	5.6430	5.8690	6.1684	6.3761	6.7296
1998	1.3435	2.5962	3.1356	3.5988	3.9483	4.2539	4.3876	4.6326	4.7743	4.9436	5.1012	5.2795	5.4736	5.6673	5.8807	6.0596	6.1977
1999	1.0337	2.1907	2.6912	3.0067	3.2568	3.4428	3.6652	3.8919	4.1278	4.3434	4.5262	4.7771	4.9488	5.1639	5.4295	5.6760	5.9137
2000	1.0921	2.1191	2.5594	2.8217	3.0415	3.3089	3.5235	3.7462	3.9815	4.1597	4.3458	4.5357	4.7282	4.8880	5.0628	5.2538	5.3845
2001	1.0764	2.2208	2.7620	3.0925	3.3823	3.5734	3.8012	4.0584	4.2762	4.4720	4.6413	4.8191	5.0448	5.2778	5.5851	5.8027	5.9517
2002	1.1518	2.3279	2.7552	3.0779	3.2978	3.5329	3.6946	3.8932	4.0440	4.1701	4.3431	4.4682	4.5956	4.7148	4.8583	5.0036	5.1577
2003	1.3648	2.4892	2.9713	3.3776	3.6670	4.0051	4.2217	4.4487	4.6760	4.8825	5.2677	5.4710	5.7825	6.0409	6.3781	6.5327	6.6248
2004	1.2850	2.5959	3.0710	3.4152	3.7211	4.0129	4.2392	4.4566	4.7006	4.9701	5.2371	5.4922	5.8058	5.9582	6.1854	6.4820	6.6424
2005	1.0789	2.0857	2.4353	2.6584	2.8425	3.0719	3.2892	3.4823	3.6846	3.8983	4.2467	4.4409	4.5836	4.7815	4.8980	5.0212	5.1124
2006	1.1198	2.3804	2.9697	3.2394	3.4944	3.7458	4.0161	4.3130	4.5472	4.8302	5.0332	5.2416	5.4329	5.6665	5.8765	6.0088	6.1449
2007	1.1571	2.2939	2.6865	2.9585	3.1713	3.5233	3.5538	3.7227	3.8671	4.0644	4.3221	4.4717	4.5870	4.6843	4.7902	4.8744	
2008	1.1254	2.3540	2.8376	3.0906	3.3419	3.5122	3.6803	3.8339	3.9759	4.1403	4.2981	4.4095	4.5928	4.8864	5.0492		
2009	1.1143	2.1981	2.5475	2.7450	2.9184	3.0837	3.2221	3.3205	3.4707	3.5664	3.6372	3.7346	3.8535	3.9732			
2010	1.3896	2.6207	3.0884	3.3557	3.5912	3.8230	4.0532	4.5975	4.9162	5.0670	5.1455	5.2468	5.3194				
2011	1.4116	2.7153	3.2132	3.5327	3.7941	4.1118	4.4388	4.6515	4.7978	4.9723	5.1651	5.2669					
2012	1.1792	2.2461	2.6273	3.0239	3.2900	3.6211	3.8274	4.0259	4.1646	4.2709	4.3420						
2013	1.2351	2.2665	2.6972	3.0491	3.3761	3.5750	3.7477	3.9098	4.0399	4.1688							
2014	1.1992	2.3072	2.7341	3.0396	3.3217	3.5139	3.6439	3.7924	3.8506								
2015	1.0833	2.2463	2.6889	3.0424	3.2924	3.5265	3.6643	3.7604									
2016	1.2190	2.2360	2.6385	2.9627	3.2555	3.4592	3.5313										
2017	1.1180	2.0336	2.4039	2.5678	2.6903	2.7837											
2018	1.0339	1.7687	2.0771	2.2427	2.3372												
2019	0.7815	1.4218	1.6503	1.7875													

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - MEDICAL

INCURRED LOSS DIVIDED BY EXPOSURE (PAYROLL IN MILLIONS)

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																		
	216	228	240	252	264	276	288	300	312	324	336	348	360	372	384	396	408	420	432
1987	5.9786	6.4719	7.1116	7.7578	7.8409	8.0822	8.7517	8.8539	8.9440	13.3819	10.1464	10.0765	10.4467	10.5707	10.4264	10.3181	10.4337	10.5119	10.5043
1988	9.4180	9.4864	9.5849	9.9145	10.0812	10.5864	11.3029	11.9831	14.9061	14.1816	14.3377	14.6905	15.2940	15.0427	14.7217	14.1586	14.2157	14.9190	
1989	6.3242	6.5311	6.6328	7.0249	7.0337	7.2854	7.9659	9.2061	9.2093	9.1372	9.2756	9.4348	9.4087	9.3126	9.0388	8.9223	9.0297		
1990	7.8574	8.0154	8.8217	9.1942	9.6877	10.2154	11.4076	11.6789	11.5111	12.0315	11.4378	11.5921	11.2673	11.0152	11.1829	10.6841			
1991	7.0736	7.5804	8.2697	8.6723	9.5338	11.4840	10.9967	10.9115	11.2952	11.2566	11.2960	11.5743	11.2313	11.2189	10.7806				
1992	9.0244	8.9488	9.1360	9.4248	10.3686	10.1073	11.0747	11.0577	11.4609	11.9336	11.5465	11.5161	11.2544	11.0380					
1993	9.4185	10.2031	10.8611	13.6056	13.6035	13.5249	14.2111	14.2793	14.8467	15.0677	14.5213	14.3535	14.2389						
1994	10.7259	11.2825	13.1400	13.0432	13.6683	14.0592	14.0789	13.9765	13.4305	14.1589	13.9098	13.4858							
1995	7.2241	9.3201	9.3825	9.7763	9.9021	9.9534	10.1345	10.1795	9.9057	9.5800	9.2120								
1996	11.7020	11.6966	11.9276	12.2592	12.7976	12.5813	12.4369	12.9295	12.3155	11.8850									
1997	11.5290	11.9227	12.6188	12.7238	12.7573	12.8081	12.7674	12.7532	12.6753										
1998	9.2008	9.5007	9.6278	10.1050	10.7932	10.7263	10.1840	10.0975											
1999	12.1196	10.1679	9.8290	9.7764	10.0735	9.6576	9.2363												
2000	9.0954	9.3526	9.0853	8.8085	8.3999	8.2822													
2001	9.6626	9.6707	9.5783	9.2952	8.8121														
2002	7.5631	7.6546	7.5057	7.4116															
2003	9.2717	9.0539	8.8183																
2004	10.3799	10.1007																	
2005	7.6509																		
2006																			
2007																			
2008																			
2009																			
2010																			
2011																			
2012																			
2013																			
2014																			
2015																			
2016																			
2017																			
2018																			
2019																			
2020																			
2021																			
2022																			

PAID LOSS DIVIDED BY EXPOSURE (PAYROLL IN MILLIONS)

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																		
	216	228	240	252	264	276	288	300	312	324	336	348	360	372	384	396	408	420	432
1987	5.7741	6.2035	6.4280	6.9849	7.2009	7.3482	7.5198	7.6691	7.9923	8.1962	8.3014	8.7159	9.1054	9.2404	9.3511	9.4113	9.4626	9.5200	9.5651
1988	7.7633	7.9937	8.2077	8.4394	8.6610	8.9430	9.3178	9.2729	9.5151	9.7435	9.9807	10.1967	10.3821	10.5856	10.7423	10.9698	11.1622	11.3092	
1989	5.9509	6.0895	6.2408	6.3316	6.4239	6.5167	6.9405	7.1919	7.2765	7.4070	7.5305	7.6474	7.7374	7.8211	7.8863	7.9457	8.0152		
1990	7.0184	7.2498	7.5369	7.8176	8.0685	8.2670	8.4419	8.6302	8.7908	8.9509	9.0999	9.2460	9.3521	9.5739	9.6769	9.7710			
1991	6.2360	6.4909	6.6754	6.9302	7.3100	7.6089	7.7707	8.0147	8.2259	8.3633	8.5281	8.8563	9.0637	9.3341	9.3792				
1992	7.2082	7.5047	7.6711	7.8218	8.0215	8.2152	8.5668	8.6890	8.8852	9.0938	9.2022	9.3025	9.4475	9.5149					
1993	7.5837	7.7663	8.0605	8.6332	8.8217	9.0535	9.3074	9.6397	9.9795	10.2748	10.4867	10.7135	11.0431						
1994	8.5739	8.8463	9.1584	9.3308	9.5531	9.7992	9.9760	10.1583	10.3933	10.6543	10.7834	10.9097							
1995	5.5710	5.7574	5.9308	6.0969	6.2692	6.4395	6.6792	6.8708	7.0248	7.1064	7.1987								
1996	7.0305	7.2563	7.4955	7.7546	8.0614	8.3584	8.5519	8.7349	8.8527	8.9773									
1997	6.9793	7.2913	7.5862	7.9595	8.2325	8.5132	8.7425	8.9343	9.0917										
1998	6.3620	6.5709	6.8360	7.0352	7.3975	7.6212	7.7595	7.8393											
1999	6.1002	6.3205	6.5083	6.6315	6.7410	6.8387	6.9234												
2000	5.5238	5.6665	5.7901	5.9125	6.0131	6.1557													
2001	6.0951	6.2804	6.3883	6.4965	6.5801														
2002	5.3053	5.4195	5.5149	5.6320															
2003	6.7767	6.9243	6.9889																
2004	6.8302	6.9687																	
2005	5.1950																		
2006																			
2007																			
2008																			
2009																			
2010																			
2011																			
2012																			
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2014																			
2015																			
2016																			
2017																			
2018																			
2019																			
2020																			
2021																			
2022																			

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - MEDICAL

REPORTED LOST TIME CLAIMS DIVIDED BY EXPOSURE (PAYROLL IN MILLIONS)

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204
1987														0.9245	0.9255	0.9255	0.9255
1988													0.9746	0.9746	0.9760	0.9760	0.9760
1989												0.8303	0.8298	0.8298	0.8298	0.8303	0.8303
1990											0.8215	0.8172	0.8219	0.8219	0.8219	0.8219	0.8223
1991										0.6937	0.6903	0.6937	0.6940	0.6940	0.6944	0.6944	0.6944
1992									0.7545	0.7467	0.7545	0.7545	0.7545	0.7545	0.7545	0.7545	0.7549
1993								0.6945	0.6873	0.6949	0.6952	0.6952	0.6952	0.6952	0.6952	0.6952	0.6952
1994							0.7032	0.6949	0.7038	0.7035	0.7035	0.7035	0.7035	0.7035	0.7035	0.7035	0.7035
1995						0.6012	0.5962	0.6012	0.6018	0.6018	0.6018	0.6018	0.6018	0.6018	0.6018	0.6018	0.6018
1996					0.4912	0.4853	0.4912	0.4918	0.4918	0.4918	0.4918	0.4918	0.4921	0.4921	0.4921	0.4921	0.4921
1997				0.4585	0.4526	0.4582	0.4588	0.4588	0.4585	0.4585	0.4585	0.4585	0.4585	0.4585	0.4585	0.4585	0.4585
1998			0.4198	0.4198	0.4227	0.4233	0.4238	0.4238	0.4238	0.4238	0.4238	0.4238	0.4238	0.4238	0.4238	0.4238	0.4240
1999		0.3474	0.3568	0.3583	0.3580	0.3580	0.3580	0.3583	0.3583	0.3583	0.3583	0.3583	0.3583	0.3583	0.3583	0.3583	0.3583
2000	0.1879	0.2990	0.3020	0.3040	0.3047	0.3050	0.3050	0.3050	0.3050	0.3050	0.3052	0.3052	0.3052	0.3052	0.3052	0.3052	0.3054
2001	0.2251	0.2598	0.2693	0.2704	0.2704	0.2704	0.2704	0.2704	0.2704	0.2704	0.2704	0.2704	0.2704	0.2704	0.2704	0.2704	0.2704
2002	0.2089	0.2415	0.2456	0.2460	0.2462	0.2462	0.2462	0.2462	0.2462	0.2462	0.2460	0.2458	0.2458	0.2458	0.2460	0.2460	0.2460
2003	0.2473	0.2771	0.2791	0.2795	0.2795	0.2791	0.2793	0.2793	0.2793	0.2793	0.2793	0.2793	0.2791	0.2791	0.2791	0.2791	0.2791
2004	0.2541	0.2841	0.2872	0.2881	0.2881	0.2884	0.2884	0.2884	0.2884	0.2884	0.2884	0.2884	0.2884	0.2884	0.2884	0.2884	0.2884
2005	0.2195	0.2430	0.2461	0.2461	0.2461	0.2459	0.2459	0.2459	0.2459	0.2459	0.2459	0.2459	0.2459	0.2459	0.2459	0.2459	0.2459
2006	0.2045	0.2288	0.2320	0.2322	0.2328	0.2326	0.2326	0.2326	0.2326	0.2326	0.2326	0.2326	0.2324	0.2322	0.2326	0.2326	0.2326
2007	0.1923	0.2101	0.2119	0.2117	0.2119	0.2119	0.2119	0.2119	0.2119	0.2119	0.2119	0.2119	0.2119	0.2119	0.2119	0.2121	0.2121
2008	0.1622	0.1826	0.1841	0.1851	0.1850	0.1850	0.1851	0.1850	0.1850	0.1850	0.1850	0.1850	0.1850	0.1850	0.1850	0.1850	0.1850
2009	0.1595	0.1809	0.1828	0.1828	0.1826	0.1826	0.1826	0.1826	0.1826	0.1826	0.1826	0.1826	0.1826	0.1826	0.1826	0.1826	0.1826
2010	0.1713	0.1871	0.1889	0.1888	0.1889	0.1889	0.1889	0.1889	0.1889	0.1889	0.1889	0.1889	0.1889	0.1888			
2011	0.1647	0.1815	0.1842	0.1842	0.1837	0.1842	0.1842	0.1843	0.1843	0.1843	0.1843	0.1843	0.1845				
2012	0.1344	0.1478	0.1496	0.1494	0.1496	0.1494	0.1496	0.1494	0.1494	0.1494	0.1494	0.1494	0.1494				
2013	0.1309	0.1453	0.1471	0.1474	0.1474	0.1474	0.1472	0.1472	0.1472	0.1472	0.1472						
2014	0.1256	0.1398	0.1416	0.1418	0.1419	0.1419	0.1421	0.1422	0.1422								
2015	0.1336	0.1432	0.1446	0.1446	0.1448	0.1448	0.1448	0.1448	0.1448								
2016	0.1147	0.1295	0.1313	0.1313	0.1313	0.1313	0.1313	0.1313									
2017	0.1041	0.1126	0.1136	0.1138	0.1138	0.1138											
2018	0.1005	0.1107	0.1126	0.1131	0.1132												
2019	0.0885	0.0990	0.0998	0.0999													
2020	0.0816	0.0885	0.0899														
2021	0.0710	0.0793															
2022	0.0728																

CLOSED LOST TIME CLAIMS DIVIDED BY EXPOSURE (PAYROLL IN MILLIONS)

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204
1987														0.9151	0.9061	0.9121	0.9181
1988														0.9569	0.9569	0.9630	0.9588
1989												0.8140	0.8140	0.8170	0.8204	0.8178	0.8208
1990											0.7934	0.8012	0.8071	0.8059	0.8086	0.8043	0.8055
1991										0.6597	0.6722	0.6759	0.6765	0.6799	0.6789	0.6782	0.6786
1992									0.7128	0.7159	0.7302	0.7330	0.7412	0.7412	0.7412	0.7384	0.7391
1993								0.6559	0.6575	0.6611	0.6693	0.6794	0.6798	0.6772	0.6772	0.6781	0.6775
1994							0.6623	0.6617	0.6647	0.6675	0.6804	0.6844	0.6863	0.6854	0.6832	0.6850	0.6826
1995						0.5695	0.5715	0.5735	0.5730	0.5747	0.5831	0.5846	0.5855	0.5861	0.5872	0.5852	0.5861
1996					0.4538	0.4597	0.4611	0.4623	0.4638	0.4635	0.4691	0.4714	0.4720	0.4720	0.4726	0.4726	0.4741
1997				0.4108	0.4179	0.4215	0.4238	0.4250	0.4259	0.4280	0.4351	0.4375	0.4393	0.4384	0.4396	0.4402	0.4407
1998			0.3517	0.3713	0.3840	0.3872	0.3898	0.3928	0.3943	0.3970	0.4031	0.4052	0.4071	0.4071	0.4073	0.4084	0.4092
1999		0.2517	0.3060	0.3186	0.3233	0.3297	0.3316	0.3336	0.3344	0.3361	0.3388	0.3413	0.3427	0.3427	0.3425	0.3423	0.3425
2000	0.0532	0.2285	0.2557	0.2697	0.2762	0.2785	0.2810	0.2826	0.2828	0.2840	0.2879	0.2893	0.2904	0.2923	0.2911	0.2921	0.2930
2001	0.0789	0.1925	0.2208	0.2316	0.2370	0.2403	0.2422	0.2425	0.2446	0.2457	0.2515	0.2528	0.2546	0.2552	0.2552	0.2559	0.2574
2002	0.0726	0.1756	0.2016	0.2133	0.2174	0.2200	0.2209	0.2224	0.2239	0.2269	0.2295	0.2321	0.2336	0.2330	0.2323	0.2332	0.2345
2003	0.0939	0.2151	0.2370	0.2476	0.2498	0.2516	0.2540	0.2540	0.2563	0.2594	0.2621	0.2628	0.2634	0.2639	0.2666	0.2666	0.2670
2004	0.0940	0.2211	0.2473	0.2550	0.2608	0.2628	0.2630	0.2648	0.2666	0.2671	0.2715	0.2718	0.2731	0.2747	0.2751	0.2758	0.2769
2005	0.0831	0.1819	0.2087	0.2146	0.2197	0.2220	0.2238	0.2238	0.2256	0.2271	0.2295	0.2324	0.2328	0.2336	0.2358	0.2367	0.2379
2006	0.0775	0.1765	0.1942	0.2007	0.2054	0.2071	0.2085	0.2106	0.2104	0.2119	0.2146	0.2153	0.2174	0.2187	0.2201	0.2212	0.2227
2007	0.0734	0.1616	0.1784	0.1851	0.1893	0.1936	0.1938	0.1943	0.1947	0.1971	0.1994	0.2019	0.2021	0.2030	0.2038	0.2039	
2008	0.0630	0.1353	0.1544	0.1621	0.1670	0.1684	0.1694	0.1699	0.1692	0.1708	0.1735	0.1757	0.1756	0.1761	0.1764		
2009	0.0596	0.1395	0.1580	0.1639	0.1656	0.1689	0.1689	0.1691	0.1702	0.1711	0.1734	0.1743	0.1753	0.1764			
2010	0.0643	0.1436	0.1596	0.1653	0.1690	0.1695	0.1693	0.1721	0.1735	0.1757	0.1787	0.1799	0.1812				
2011	0.0597	0.1421	0.1565	0.1629	0.1659	0.1676	0.1691	0.1717	0.1721	0.1743	0.1768	0.1778					
2012	0.0538	0.1128	0.1229	0.1272	0.1288	0.1318	0.1341	0.1344	0.1374	0.1381	0.1411						
2013	0.0496	0.1086	0.1221	0.1270	0.1301	0.1331	0.1342	0.1356	0.1367	0.1386							
2014	0.0498	0.1048	0.1174	0.1244	0.1274	0.1298	0.1313	0.1325	0.1334								
2015	0.0401	0.1119	0.1248	0.1286	0.1314	0.1338	0.1348	0.1354									
2016	0.0487	0.1020	0.1108	0.1161	0.1201	0.1224	0.1236										
2017	0.0420	0.0870	0.0947	0.1003	0.1030	0.1054											
2018	0.0415	0.0893	0.0974	0.1021	0.1050												
2019	0.0423	0.0811	0.0873	0.0916													
2020	0.0404	0.0721	0.0790														
2021	0.0354	0.0640															
2022	0.0365																

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - MEDICAL

REPORTED LOST TIME CLAIMS DIVIDED BY EXPOSURE (PAYROLL IN MILLIONS)

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																		
	216	228	240	252	264	276	288	300	312	324	336	348	360	372	384	396	408	420	432
1987	0.9255	0.9260	0.9260	0.9260	0.9260	0.9260	0.9260	0.9260	0.9260	0.9260	0.9275	0.9275	0.9275	0.9275	0.9275	0.9275	0.9275	0.9275	0.9275
1988	0.9756	0.9756	0.9746	0.9746	0.9746	0.9746	0.9746	0.9746	0.9742	0.9742	0.9746	0.9742	0.9742	0.9742	0.9742	0.9742	0.9742	0.9742	0.9742
1989	0.8298	0.8290	0.8290	0.8290	0.8290	0.8290	0.8290	0.8294	0.8294	0.8298	0.8298	0.8298	0.8298	0.8298	0.8298	0.8298	0.8298	0.8298	0.8298
1990	0.8223	0.8223	0.8223	0.8223	0.8223	0.8223	0.8223	0.8246	0.8242	0.8242	0.8242	0.8239	0.8239	0.8239	0.8239	0.8239	0.8239	0.8239	0.8239
1991	0.6944	0.6944	0.6944	0.6944	0.6944	0.6944	0.6967	0.6967	0.6967	0.6967	0.6967	0.6967	0.6967	0.6967	0.6964	0.6964	0.6964	0.6964	0.6964
1992	0.7549	0.7549	0.7549	0.7549	0.7549	0.7566	0.7566	0.7566	0.7566	0.7566	0.7566	0.7566	0.7566	0.7566	0.7566	0.7566	0.7566	0.7566	0.7566
1993	0.6952	0.6952	0.6952	0.6952	0.6965	0.6965	0.6965	0.6965	0.6965	0.6965	0.6965	0.6965	0.6965	0.6965	0.6965	0.6965	0.6965	0.6965	0.6965
1994	0.7035	0.7035	0.7035	0.7041	0.7041	0.7041	0.7041	0.7041	0.7041	0.7041	0.7041	0.7041	0.7041	0.7041	0.7041	0.7041	0.7041	0.7041	0.7041
1995	0.6018	0.6018	0.6024	0.6024	0.6024	0.6024	0.6024	0.6024	0.6024	0.6024	0.6024	0.6024	0.6024	0.6024	0.6024	0.6024	0.6024	0.6024	0.6024
1996	0.4921	0.4935	0.4935	0.4935	0.4935	0.4935	0.4935	0.4935	0.4935	0.4935	0.4935	0.4935	0.4935	0.4935	0.4935	0.4935	0.4935	0.4935	0.4935
1997	0.4597	0.4597	0.4597	0.4597	0.4597	0.4597	0.4597	0.4597	0.4597	0.4597	0.4597	0.4597	0.4597	0.4597	0.4597	0.4597	0.4597	0.4597	0.4597
1998	0.4240	0.4240	0.4240	0.4238	0.4238	0.4238	0.4238	0.4238	0.4238	0.4238	0.4238	0.4238	0.4238	0.4238	0.4238	0.4238	0.4238	0.4238	0.4238
1999	0.3583	0.3583	0.3583	0.3583	0.3583	0.3583	0.3583	0.3583	0.3583	0.3583	0.3583	0.3583	0.3583	0.3583	0.3583	0.3583	0.3583	0.3583	0.3583
2000	0.3054	0.3054	0.3054	0.3054	0.3054	0.3054	0.3054	0.3054	0.3054	0.3054	0.3054	0.3054	0.3054	0.3054	0.3054	0.3054	0.3054	0.3054	0.3054
2001	0.2704	0.2704	0.2704	0.2704	0.2704	0.2704	0.2704	0.2704	0.2704	0.2704	0.2704	0.2704	0.2704	0.2704	0.2704	0.2704	0.2704	0.2704	0.2704
2002	0.2460	0.2460	0.2460	0.2460	0.2460	0.2460	0.2460	0.2460	0.2460	0.2460	0.2460	0.2460	0.2460	0.2460	0.2460	0.2460	0.2460	0.2460	0.2460
2003	0.2791	0.2791	0.2791	0.2791	0.2791	0.2791	0.2791	0.2791	0.2791	0.2791	0.2791	0.2791	0.2791	0.2791	0.2791	0.2791	0.2791	0.2791	0.2791
2004	0.2884	0.2884	0.2884	0.2884	0.2884	0.2884	0.2884	0.2884	0.2884	0.2884	0.2884	0.2884	0.2884	0.2884	0.2884	0.2884	0.2884	0.2884	0.2884
2005	0.2459	0.2459	0.2459	0.2459	0.2459	0.2459	0.2459	0.2459	0.2459	0.2459	0.2459	0.2459	0.2459	0.2459	0.2459	0.2459	0.2459	0.2459	0.2459
2006																			
2007																			
2008																			
2009																			
2010																			
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2012																			
2013																			
2014																			
2015																			
2016																			
2017																			
2018																			
2019																			
2020																			
2021																			
2022																			

CLOSED LOST TIME CLAIMS DIVIDED BY EXPOSURE (PAYROLL IN MILLIONS)

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																		
	216	228	240	252	264	276	288	300	312	324	336	348	360	372	384	396	408	420	432
1987	0.9111	0.9101	0.9091	0.9081	0.9091	0.9116	0.9126	0.9156	0.9156	0.9156	0.9176	0.9185	0.9181	0.9195	0.9200	0.9220	0.9225	0.9220	0.9220
1988	0.9616	0.9583	0.9574	0.9592	0.9620	0.9611	0.9625	0.9653	0.9648	0.9653	0.9634	0.9648	0.9658	0.9662	0.9667	0.9672	0.9676	0.9676	0.9676
1989	0.8200	0.8174	0.8174	0.8196	0.8204	0.8221	0.8221	0.8234	0.8238	0.8243	0.8234	0.8243	0.8256	0.8247	0.8243	0.8251	0.8256	0.8256	0.8256
1990	0.8051	0.8051	0.8032	0.8039	0.8035	0.8051	0.8059	0.8086	0.8086	0.8082	0.8102	0.8114	0.8133	0.8160	0.8164	0.8164	0.8164	0.8164	0.8164
1991	0.6779	0.6772	0.6755	0.6779	0.6789	0.6779	0.6799	0.6816	0.6799	0.6819	0.6823	0.6829	0.6836	0.6836	0.6836	0.6836	0.6836	0.6836	0.6836
1992	0.7391	0.7395	0.7405	0.7415	0.7412	0.7419	0.7426	0.7443	0.7426	0.7450	0.7463	0.7473	0.7477	0.7494	0.7494	0.7494	0.7494	0.7494	0.7494
1993	0.6781	0.6788	0.6801	0.6798	0.6808	0.6811	0.6821	0.6834	0.6844	0.6847	0.6853	0.6857	0.6863	0.6863	0.6863	0.6863	0.6863	0.6863	0.6863
1994	0.6832	0.6850	0.6857	0.6869	0.6866	0.6881	0.6875	0.6881	0.6906	0.6918	0.6931	0.6946	0.6946	0.6946	0.6946	0.6946	0.6946	0.6946	0.6946
1995	0.5866	0.5863	0.5878	0.5887	0.5884	0.5895	0.5898	0.5907	0.5907	0.5916	0.5936	0.5936	0.5936	0.5936	0.5936	0.5936	0.5936	0.5936	0.5936
1996	0.4744	0.4756	0.4770	0.4765	0.4776	0.4791	0.4803	0.4809	0.4818	0.4815	0.4815	0.4815	0.4815	0.4815	0.4815	0.4815	0.4815	0.4815	0.4815
1997	0.4422	0.4437	0.4452	0.4452	0.4476	0.4484	0.4482	0.4493	0.4502	0.4502	0.4502	0.4502	0.4502	0.4502	0.4502	0.4502	0.4502	0.4502	0.4502
1998	0.4097	0.4097	0.4105	0.4100	0.4113	0.4126	0.4145	0.4148	0.4148	0.4148	0.4148	0.4148	0.4148	0.4148	0.4148	0.4148	0.4148	0.4148	0.4148
1999	0.3430	0.3435	0.3460	0.3474	0.3469	0.3474	0.3479	0.3479	0.3479	0.3479	0.3479	0.3479	0.3479	0.3479	0.3479	0.3479	0.3479	0.3479	0.3479
2000	0.2921	0.2925	0.2948	0.2957	0.2969	0.2967	0.2967	0.2967	0.2967	0.2967	0.2967	0.2967	0.2967	0.2967	0.2967	0.2967	0.2967	0.2967	0.2967
2001	0.2580	0.2598	0.2600	0.2606	0.2608	0.2608	0.2608	0.2608	0.2608	0.2608	0.2608	0.2608	0.2608	0.2608	0.2608	0.2608	0.2608	0.2608	0.2608
2002	0.2347	0.2350	0.2356	0.2363	0.2363	0.2363	0.2363	0.2363	0.2363	0.2363	0.2363	0.2363	0.2363	0.2363	0.2363	0.2363	0.2363	0.2363	0.2363
2003	0.2686	0.2690	0.2697	0.2697	0.2697	0.2697	0.2697	0.2697	0.2697	0.2697	0.2697	0.2697	0.2697	0.2697	0.2697	0.2697	0.2697	0.2697	0.2697
2004	0.2776	0.2785	0.2785	0.2785	0.2785	0.2785	0.2785	0.2785	0.2785	0.2785	0.2785	0.2785	0.2785	0.2785	0.2785	0.2785	0.2785	0.2785	0.2785
2005	0.2381	0.2381	0.2381	0.2381	0.2381	0.2381	0.2381	0.2381	0.2381	0.2381	0.2381	0.2381	0.2381	0.2381	0.2381	0.2381	0.2381	0.2381	0.2381
2006																			
2007																			
2008																			
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2018																			
2019																			
2020																			
2021																			
2022																			

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - MEDICAL

RATIO OF PAID LOSS TO CLOSED LOST TIME CLAIMS

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204
1987														5,667	5,865	5,934	6,081
1988														7,190	7,366	7,527	7,731
1989													6,740	6,835	6,908	6,990	7,115
1990												6,861	7,069	7,301	7,573	8,041	8,476
1991										7,193	7,396	7,643	7,845	8,092	8,347	8,671	8,921
1992									7,366	7,626	7,782	8,116	8,328	8,588	8,792	9,142	9,451
1993								8,125	8,503	8,766	8,933	9,066	9,326	9,626	9,897	10,430	10,746
1994							8,734	9,285	9,756	10,067	10,200	10,435	10,691	11,081	11,431	11,728	12,120
1995						6,372	6,585	6,830	7,123	7,354	7,564	7,779	8,001	8,244	8,470	8,799	9,138
1996					8,030	8,472	9,118	9,688	10,109	10,739	11,049	11,554	12,195	12,666	13,316	13,811	14,256
1997				8,272	8,794	9,408	9,952	10,505	11,047	11,470	11,837	12,344	12,847	13,388	14,033	14,486	15,269
1998			8,917	9,693	10,282	10,987	11,255	11,795	12,107	12,452	12,655	13,029	13,446	13,922	14,437	14,837	15,146
1999		8,704	8,795	9,438	10,075	10,443	11,052	11,666	12,346	12,923	13,359	13,998	14,438	15,066	15,852	16,584	17,266
2000	20,526	9,275	10,011	10,462	11,014	11,883	12,539	13,256	14,077	14,647	15,094	15,679	16,279	16,724	17,390	17,989	18,379
2001	13,635	11,537	12,508	13,351	14,269	14,871	15,692	16,739	17,481	18,201	18,452	19,061	19,817	20,680	21,884	22,679	23,125
2002	15,863	13,260	13,668	14,432	15,170	16,059	16,728	17,507	18,062	18,376	18,922	19,249	19,669	20,235	20,909	21,455	21,993
2003	14,531	11,571	12,535	13,644	14,680	15,920	16,618	17,589	18,406	19,051	20,306	20,874	22,006	22,931	24,170	24,507	24,811
2004	13,677	11,741	12,416	13,396	14,269	15,270	16,117	16,829	17,631	18,610	19,286	20,209	21,258	21,691	22,481	23,502	23,986
2005	12,982	11,464	11,669	12,387	12,937	13,840	14,697	15,560	16,330	17,168	18,503	19,111	19,690	20,468	20,767	21,216	21,491
2006	14,442	13,484	15,291	16,142	17,010	18,084	19,265	20,483	21,615	22,796	23,459	24,345	24,990	25,906	26,704	27,165	27,590
2007	15,774	14,199	15,059	15,983	16,755	17,314	18,338	19,156	19,862	20,626	21,674	22,143	22,694	23,072	23,510	23,902	
2008	17,858	17,403	18,380	19,069	20,008	20,857	21,723	22,561	23,492	24,243	24,770	25,091	26,159	27,751	28,620		
2009	18,682	15,756	16,119	16,749	17,627	18,257	19,076	19,639	20,387	20,847	20,974	21,432	21,988	22,521			
2010	21,623	18,247	19,355	20,305	21,254	22,559	23,941	26,706	28,337	28,843	28,795	29,170	29,355				
2011	23,642	19,114	20,534	21,692	22,873	24,540	26,255	27,084	27,881	28,533	29,217	29,625					
2012	21,912	19,920	21,386	23,778	25,548	27,470	28,549	29,959	30,305	30,934	30,771						
2013	24,903	20,869	22,088	24,013	25,947	26,861	27,927	28,832	29,552	30,081							
2014	24,093	22,006	23,290	24,442	26,077	27,071	27,749	28,617	28,857								
2015	27,034	20,079	21,540	23,666	25,059	26,362	27,180	27,770									
2016	25,026	21,918	23,817	25,519	27,102	28,257	28,577										
2017	26,637	23,361	25,390	25,592	26,115	26,406											
2018	24,893	19,809	21,325	21,958	22,263												
2019	18,460	17,531	18,900	19,525													
2020	17,501	17,159	17,863														
2021	18,259	20,007															
2022	14,614																

CLOSED LOST TIME CLAIMS DIVIDED BY ULTIMATE LOST TIME CLAIMS (DISPOSAL RATE)

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204
1987														0.9866	0.9770	0.9834	0.9898
1988														0.9823	0.9885	0.9890	0.9842
1989												0.9809	0.9809	0.9845	0.9886	0.9855	0.9892
1990											0.9630	0.9725	0.9796	0.9782	0.9815	0.9763	0.9777
1991										0.9473	0.9652	0.9705	0.9715	0.9763	0.9749	0.9739	0.9744
1992									0.9421	0.9462	0.9652	0.9688	0.9796	0.9796	0.9796	0.9760	0.9769
1993								0.9416	0.9440	0.9492	0.9609	0.9755	0.9760	0.9722	0.9722	0.9736	0.9727
1994							0.9406	0.9397	0.9441	0.9480	0.9663	0.9720	0.9747	0.9733	0.9703	0.9729	0.9694
1995					0.9454	0.9488	0.9522	0.9512	0.9541	0.9681	0.9705	0.9720	0.9729	0.9749	0.9715	0.9729	
1996					0.9194	0.9313	0.9343	0.9367	0.9397	0.9391	0.9504	0.9552	0.9564	0.9564	0.9576	0.9576	0.9606
1997				0.8936	0.9091	0.9168	0.9220	0.9246	0.9265	0.9310	0.9465	0.9516	0.9555	0.9536	0.9562	0.9574	0.9587
1998			0.8298	0.8761	0.9061	0.9136	0.9199	0.9268	0.9305	0.9368	0.9512	0.9562	0.9606	0.9606	0.9612	0.9637	0.9656
1999		0.7025	0.8540	0.8891	0.9022	0.9201	0.9256	0.9311	0.9332	0.9380	0.9456	0.9525	0.9566	0.9566	0.9559	0.9552	0.9559
2000	0.1742	0.7481	0.8371	0.8831	0.9042	0.9118	0.9201	0.9253	0.9261	0.9299	0.9427	0.9472	0.9510	0.9570	0.9532	0.9563	0.9593
2001	0.2920	0.7120	0.8168	0.8568	0.8768	0.8888	0.8960	0.8968	0.9048	0.9088	0.9304	0.9352	0.9416	0.9440	0.9440	0.9464	0.9520
2002	0.2952	0.7137	0.8194	0.8670	0.8837	0.8943	0.8978	0.9040	0.9101	0.9225	0.9330	0.9436	0.9498	0.9471	0.9445	0.9480	0.9533
2003	0.3365	0.7708	0.8494	0.8870	0.8950	0.9014	0.9103	0.9063	0.9103	0.9183	0.9295	0.9391	0.9415	0.9439	0.9455	0.9551	0.9567
2004	0.3258	0.7667	0.8577	0.8841	0.9044	0.9114	0.9121	0.9184	0.9246	0.9261	0.9417	0.9425	0.9471	0.9526	0.9541	0.9565	0.9603
2005	0.3380	0.7400	0.8488	0.8729	0.8937	0.9028	0.9103	0.9103	0.9178	0.9236	0.9336	0.9452	0.9468	0.9502	0.9593	0.9626	0.9676
2006	0.3333	0.7590	0.8350	0.8627	0.8832	0.8905	0.8962	0.9052	0.9044	0.9109	0.9224	0.9257	0.9346	0.9404	0.9461	0.9510	0.9575
2007	0.3459	0.7617	0.8412	0.8728	0.8924	0.9129	0.9137	0.9163	0.9180	0.9291	0.9402	0.9522	0.9530	0.9573	0.9607	0.9616	
2008	0.3407	0.7313	0.8347	0.8763	0.9030	0.9104	0.9160	0.9187	0.9151	0.9234	0.9381	0.9501	0.9492	0.9520	0.9538		
2009	0.3266	0.7640	0.8655	0.8975	0.9067	0.9250	0.9250	0.9259	0.9323	0.9369	0.9497	0.9543	0.9597	0.9661			
2010	0.3404	0.7609	0.8453	0.8756	0.8951	0.8978	0.8969	0.9120	0.9191	0.9307	0.9467	0.9529	0.9600				
2011	0.3236	0.7700	0.8482	0.8827	0.8991	0.9082	0.9164	0.9309	0.9327	0.9445	0.9582	0.9636					
2012	0.3601	0.7546	0.8221	0.8510	0.8617	0.8821	0.8971	0.8992	0.9196	0.9239	0.9443						
2013	0.3369	0.7377	0.8294	0.8625	0.8838	0.9041	0.9115	0.9211	0.9286	0.9414							
2014	0.3500	0.7372	0.8255	0.8745	0.8957	0.9128	0.9234	0.9319	0.9383								
2015	0.2767	0.7726	0.8621	0.8879	0.9074	0.9239	0.9311	0.9352									
2016	0.3709	0.7768	0.8435	0.8840	0.9147	0.9322	0.9409										
2017	0.3689	0.7652	0.8323	0.8820	0.9056	0.9267											
2018	0.3668	0.7885	0.8602	0.9020	0.9271												
2019	0.4233	0.8108	0.8730	0.9153													
2020	0.4485	0.7997	0.8759														
2021	0.4387	0.7925															
2022	0.4431																

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - MEDICAL

RATIO OF PAID LOSS TO CLOSED LOST TIME CLAIMS

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																		
	216	228	240	252	264	276	288	300	312	324	336	348	360	372	384	396	408	420	432
1987	6,338	6,816	7,071	7,692	7,921	8,061	8,240	8,376	8,729	8,952	9,047	9,489	9,918	10,049	10,164	10,207	10,257	10,325	10,374
1988	8,074	8,342	8,573	8,798	9,003	9,305	9,681	9,606	9,862	10,094	10,360	10,568	10,750	10,956	11,112	11,342	11,536	11,687	
1989	7,257	7,450	7,635	7,726	7,830	7,927	8,442	8,734	8,832	8,986	9,145	9,278	9,372	9,483	9,568	9,630	9,709		
1990	8,717	9,005	9,384	9,724	10,041	10,268	10,475	10,673	10,871	11,075	11,232	11,396	11,499	11,732	11,853	11,968			
1991	9,199	9,585	9,882	10,223	10,768	11,224	11,429	11,759	12,099	12,264	12,500	12,968	13,259	13,654	13,660				
1992	9,752	10,149	10,359	10,548	10,823	11,074	11,537	11,675	11,966	12,207	12,330	12,447	12,636	12,697					
1993	11,183	11,441	11,852	12,700	12,959	13,293	13,646	14,106	14,582	15,006	15,301	15,625	16,090						
1994	12,550	12,913	13,357	13,584	13,914	14,240	14,510	14,762	15,050	15,400	15,559	15,707							
1995	9,496	9,819	10,090	10,357	10,655	10,923	11,324	11,631	11,892	12,012	12,127								
1996	14,820	15,258	15,712	16,276	16,878	17,446	17,806	18,165	18,376	18,646									
1997	15,782	16,433	17,040	17,879	18,394	18,984	19,508	19,883	20,193										
1998	15,527	16,037	16,652	17,159	17,985	18,469	18,720	18,900											
1999	17,785	18,401	18,812	19,087	19,430	19,683	19,899												
2000	18,914	19,372	19,640	19,992	20,254	20,750													
2001	23,622	24,178	24,573	24,927	25,227														
2002	22,601	23,067	23,408	23,839															
2003	25,232	25,738	25,914																
2004	24,604	25,023																	
2005	21,819																		
2006																			
2007																			
2008																			
2009																			
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2014																			
2015																			
2016																			
2017																			
2018																			
2019																			
2020																			
2021																			
2022																			

CLOSED LOST TIME CLAIMS DIVIDED BY ULTIMATE LOST TIME CLAIMS (DISPOSAL RATE)

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																		
	216	228	240	252	264	276	288	300	312	324	336	348	360	372	384	396	408	420	432
1987	0.9823	0.9813	0.9802	0.9791	0.9802	0.9829	0.9839	0.9872	0.9872	0.9872	0.9893	0.9904	0.9898	0.9914	0.9920	0.9941	0.9946	0.9941	0.9941
1988	0.9871	0.9837	0.9827	0.9847	0.9875	0.9866	0.9880	0.9909	0.9904	0.9909	0.9890	0.9904	0.9914	0.9919	0.9923	0.9928	0.9933	0.9933	0.9933
1989	0.9881	0.9850	0.9850	0.9876	0.9886	0.9907	0.9907	0.9923	0.9928	0.9933	0.9923	0.9933	0.9948	0.9938	0.9933	0.9943	0.9948		
1990	0.9772	0.9772	0.9749	0.9758	0.9753	0.9772	0.9782	0.9815	0.9815	0.9810	0.9834	0.9848	0.9872	0.9905	0.9910	0.9910			
1991	0.9734	0.9725	0.9700	0.9734	0.9749	0.9734	0.9763	0.9787	0.9763	0.9792	0.9797	0.9807	0.9816	0.9816	0.9860				
1992	0.9769	0.9774	0.9787	0.9801	0.9796	0.9805	0.9814	0.9837	0.9814	0.9846	0.9864	0.9878	0.9882	0.9905					
1993	0.9736	0.9746	0.9765	0.9760	0.9774	0.9779	0.9793	0.9812	0.9826	0.9831	0.9840	0.9845	0.9854						
1994	0.9703	0.9729	0.9738	0.9755	0.9751	0.9773	0.9764	0.9773	0.9808	0.9825	0.9843	0.9865							
1995	0.9739	0.9734	0.9758	0.9773	0.9768	0.9787	0.9792	0.9807	0.9807	0.9821	0.9855								
1996	0.9612	0.9636	0.9666	0.9654	0.9678	0.9707	0.9731	0.9743	0.9761	0.9761	0.9755								
1997	0.9620	0.9652	0.9684	0.9684	0.9736	0.9755	0.9749	0.9774	0.9794										
1998	0.9668	0.9668	0.9687	0.9675	0.9706	0.9737	0.9781	0.9787											
1999	0.9573	0.9587	0.9656	0.9697	0.9683	0.9697	0.9711												
2000	0.9563	0.9578	0.9653	0.9683	0.9721	0.9713													
2001	0.9544	0.9608	0.9616	0.9640	0.9648														
2002	0.9542	0.9551	0.9577	0.9604															
2003	0.9623	0.9639	0.9663																
2004	0.9627	0.9658																	
2005	0.9684																		
2006																			
2007																			
2008																			
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2021																			
2022																			

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - MEDICAL

INCREMENTAL INCURRED LOSSES (\$000')

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																		
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204		
1987											136	108	(2)	184	394	67	645		
1988										(15)	995	1,398	(243)	334	838	546			
1989									(260)	342	59	176	132	(79)	687	521	(25)		
1990										1,333	359	(282)	214	341	722	830	1,127	1,096	
1991								905	1,384	464	172	145	273	470	924	976	1,122	430	
1992							894	1,282	640	131	474	260	610	1,519	998	731	986	2,503	
1993						2,387	38	116	443	1,067	530	294	233	1,674	951	790	2,092	611	
1994						232	575	940	1,089	1,164	415	636	976	735	555	872	1,850	2,349	
1995			2,294	61	435	385	640	705	688	284	1,269	314	1,334	733	1,501	1,865	1,115		
1996	7,023	4,607	620	701	1,132	2,883	867	812	1,166	2,370	677	777	848	1,510	835	1,614	3,238		
1997	7,563	3,895	825	2,007	1,057	798	848	1,163	1,814	1,104	1,183	684	1,756	2,069	2,576	1,715	8,078		
1998	10,694	2,055	1,861	1,468	1,235	1,429	1,025	1,902	799	672	1,846	2,205	842	1,551	759	4,142	(522)		
1999	8,422	2,715	1,806	1,131	1,109	1,514	2,510	1,526	1,311	2,710	848	1,341	3,070	1,145	8,405	(108)	8,243		
2000	8,451	2,739	1,560	1,729	1,240	2,459	1,422	1,055	2,259	1,824	2,985	1,969	4,480	4,225	(448)	102	1,481		
2001	9,249	4,969	1,132	1,579	2,000	1,710	1,651	2,346	1,770	2,007	2,212	3,647	7,007	84	1,864	323	678		
2002	10,114	3,730	1,690	1,501	1,544	823	2,426	3,090	428	2,204	1,235	5,859	(1,782)	601	1,396	1,006	(524)		
2003	12,435	2,400	1,797	1,548	1,843	2,736	1,720	3,573	3,604	4,058	8,373	(1,157)	950	(80)	1,797	(860)	(1,952)		
2004	13,024	1,873	1,667	2,176	1,520	2,007	3,070	7,140	3,146	11,199	(1,642)	1,218	1,317	(2,956)	(982)	2,971	187		
2005	12,737	1,333	1,166	1,732	995	2,843	3,494	2,537	11,713	756	(949)	(328)	(497)	1,491	(4,323)	2,571	148		
2006	13,383	2,888	2,784	2,082	1,699	3,879	4,887	17,325	(601)	(1,508)	860	2,110	(767)	1,494	(637)	(1,595)	(1,480)		
2007	13,027	3,216	1,396	1,047	2,788	2,560	17,165	256	(108)	(230)	2,008	(1,312)	(1,249)	(1,036)	(428)	(156)			
2008	15,378	3,529	1,054	1,324	1,443	16,535	(907)	78	(807)	3,223	598	(775)	1,598	4,178	(476)				
2009	15,622	1,178	662	1,669	14,686	(936)	731	787	(480)	(269)	(1,205)	(1,153)	(1,037)	(188)					
2010	18,142	1,510	1,988	2,177	(692)	3,615	5,148	(422)	(1,780)	(3,978)	(1,703)	(1,283)	(847)						
2011	18,800	1,083	19,862	2,281	1,397	4,734	(959)	(1,127)	(937)	(913)	(1,786)	1,200							
2012	15,140	8,723	1,671	9,366	5,209	1,820	2,893	(215)	(4,994)	673	(1,363)								
2013	11,213	1,123	4,547	6,490	5,003	296	3,132	2,488	(1,417)	(3,813)									
2014	18,466	5,599	7,613	9,409	(3,074)	803	(1,581)	(1,117)	(670)										
2015	17,442	4,381	10,378	6,013	5,369	760	(1,884)	3,247											
2016	17,621	4,775	5,464	4,935	4,843	(4,730)	(947)												
2017	18,712	2,574	4,674	3,223	(317)	(83)													
2018	18,638	887	3,240	775	936														
2019	17,323	501	1,614	1,873															
2020	14,159	371	4,194																
2021	15,275	2,137																	
2022	13,458																		

CASE RESERVES (\$000')

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																		
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204		
1987										389	273	162	161	133	267	127	438		
1988										1,219	1,521	897	589	1,195	590	497	907	932	
1989									1,509	853	649	564	439	390	124	599	924	706	
1990									1,712	1,628	2,390	2,105	1,257	906	661	844	1,250	1,869	2,044
1991							1,286	1,538	2,337	1,845	1,320	915	1,065	1,411	1,896	2,382	2,300		
1992						1,246	1,439	2,088	2,108	1,726	1,590	1,198	1,031	1,896	2,330	2,621	2,922	4,740	
1993				1,673	3,296	2,372	1,907	1,729	1,997	1,903	1,637	1,317	2,443	2,847	3,078	4,038	4,160		
1994			5,421	6,471	5,090	4,652	4,670	4,591	4,646	4,299	4,219	4,540	4,640	4,358	4,531	5,650	7,225		
1995		1,618	2,369	1,503	1,344	1,227	1,405	1,580	1,706	1,492	2,127	1,972	2,631	2,859	3,872	5,134	5,540		
1996	3,009	1,119	1,714	1,415	1,716	3,750	3,563	3,444	3,899	5,288	5,267	5,149	4,946	5,701	5,469	6,288	8,742		
1997	3,947	2,490	1,877	2,825	2,947	2,766	2,761	3,091	4,095	4,510	4,878	4,719	5,657	6,964	8,529	9,543	16,428		
1998	5,628	2,959	2,786	2,508	2,425	2,701	3,222	4,201	4,465	4,498	5,749	7,282	7,492	8,313	8,267	11,735	10,692		
1999	4,233	2,259	1,837	1,689	1,784	2,545	4,154	4,762	5,116	6,952	7,059	7,384	9,758	10,031	17,360	16,253	24,532		
2000	3,710	1,990	1,638	2,227	2,513	3,811	4,302	4,390	5,628	6,678	8,854	9,999	13,643	17,174	15,967	15,240	16,153		
2001	4,272	3,949	2,579	2,920	3,290	4,116	4,714	5,871	6,634	7,735	9,164	13,989	17,952	16,959	17,402	16,719	16,708		
2002	4,799	3,103	2,821	2,834	3,363	3,101	4,781	6,955	6,687	8,309	8,746	14,028	11,658	11,709	12,443	12,779	11,544		
2003	6,332	3,704	3,345	3,076	3,625	4,849	5,601	8,158	10,746	13,881	20,531	18,465	18,022	16,786	17,076	15,224	13,161		
2004	7,293	3,321	2,869	3,509	3,666	4,392	6,452	12,623	14,681	24,678	21,846	21,926	21,844	18,899	16,903	18,551	18,023		
2005	7,453	3,856	3,310	3,949	4,043	5,763	8,193	9,783	20,505	20,215	17,560	16,281	15,085	15,607	10,713	12,680	12,382		
2006	7,490	3,745	3,428	4,091	4,448	7,004	10,469	26,232	24,399	21,401	21,193	22,206	20,433	20,698	18,556	16,744	14,468		
2007	6,639	3,578	2,806	2,352	3,965	5,525	21,577	20,901	19,995	18,675	19,261	17,123	15,237	13,663	12,650	12,029			
2008	8,788	5,123	3,345	3,189	3,160	18,698	17,207	16,386	14,747	17,008	16,682	15,255	15,780	18,238	16,860				
2009	8,952	3,644	2,214	2,701	16,349	14,424	14,327	14,525	13,146	12,304	10,674	9,399	7,191	6,286					
2010	9,860	4,032	3,233	2,817	2,722	22,955	26,723	23,965	19,386	14,509	12,339	10,452	9,073						
2011	10,384	3,694	20,587	20,963	20,802	23,641	20,733	18,337	16,529	14,575	11,641	12,233							
2012	7,777	9,839	9,131	16,020	19,567	19,320	20,915	19,461	14,000	14,010	12,203								
2013	11,522	6,074	7,877	12,125	15,444	14,472	16,504	17,959	15,713	12,079									
2014	10,540	8,815	13,006	20,996	16,056	15,589	13,148	11,945	9,995										
2015	10,170	6,744	14,150	17,789	21,480	20,669	17,860	20,462											
2016	9,137	6,833	9,496	12,175	14,981	8,833	7,385												
2017	10,801	6,895	8,948	11,012	9,827	9,084													
2018	10,995	6,451	7,411	6,962	7,199														
2019	11,416	7,078	6,964	7,800															
2020	8,593	4,800	7,631																
2021	10,181	7,329																	
2022	9,016																		

INCREMENTAL DEVELOPMENT TO PRIOR CASE RESERVES

Accident Period Ending 6/30	MONTHS FROM / TO																		
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204		
1987											0.3497	0.3964	(0.0118)	1.1434	2.9530	0.2523	4.7204	0.6191	
1988											0.8255	(0.0980)	1.1094	2.3713	(0.2034)	0.5658	1.6865	0.6022	2.9656
1989																			

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - MEDICAL

IMPLIED IBNR LOSS (\$000's)

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																			
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204			
1987										11,218	11,081	10,973	10,975	10,791	10,397	10,330	9,685			
1988									19,767	18,761	18,776	17,781	16,384	16,627	16,293	15,455	14,909			
1989								8,430	8,690	8,348	8,289	8,112	7,980	8,059	7,372	6,851	6,877			
1990							14,663	13,992	12,659	12,300	12,582	12,368	12,028	11,305	10,475	9,348	8,251			
1991						19,584	18,679	17,295	16,831	16,659	16,514	16,242	15,771	14,847	13,871	12,750	12,320			
1992					18,796	16,621	15,980	15,849	15,376	15,115	14,505	12,986	11,989	11,257	10,271	7,768				
1993			29,485	27,097	27,060	26,943	26,501	25,433	24,903	24,609	24,377	22,703	21,752	20,962	18,870	18,259				
1994		25,701	23,298	23,066	22,491	21,551	20,462	19,298	18,883	18,247	17,270	16,536	15,981	15,199	13,259	10,910				
1995	22,112	19,817	19,757	19,322	18,937	18,297	17,592	16,902	16,618	15,349	15,035	13,904	13,171	11,669	9,805	8,689				
1996	34,700	30,093	29,473	28,772	27,641	24,757	23,891	23,079	21,913	19,542	18,865	18,088	17,240	15,730	14,895	13,281	10,044			
1997	36,839	32,945	32,120	30,112	29,056	28,258	27,410	26,247	24,433	23,329	22,147	21,462	19,707	17,637	15,062	13,347	5,269			
1998	28,987	26,932	25,072	23,604	22,368	20,939	19,915	18,012	17,214	16,542	14,696	12,491	11,549	9,999	9,239	5,097	5,619			
1999	30,744	28,029	26,423	25,292	24,184	22,669	20,159	18,633	17,322	14,613	13,765	12,424	9,354	8,208	(196)	(88)	(9,331)			
2000	29,227	26,588	25,029	23,300	22,060	19,601	18,179	17,124	14,864	13,040	10,056	8,087	3,607	(618)	(170)	(272)	(1,752)			
2001	33,730	28,761	27,629	26,050	24,050	22,340	20,689	18,343	16,573	14,566	12,355	8,708	1,701	1,617	(247)	(570)	(1,248)			
2002	26,113	22,383	20,694	19,192	17,648	16,826	14,400	11,310	10,882	8,678	7,442	1,584	3,366	2,765	1,369	363	887			
2003	29,520	27,120	25,324	23,776	21,933	19,197	17,477	13,904	10,300	6,242	(2,131)	(974)	(1,923)	(1,844)	(3,641)	(2,781)	(2,829)			
2004	35,110	33,238	31,570	29,395	27,874	25,847	22,777	15,637	12,491	1,292	2,933	1,716	399	2,665	3,647	676	489			
2005	27,474	26,141	24,975	23,242	22,247	19,404	15,910	13,374	1,661	905	1,854	2,182	2,679	1,188	5,512	2,941	2,793			
2006	37,078	34,190	31,406	29,324	27,625	23,745	18,858	1,533	2,134	3,642	2,782	672	1,439	(55)	582	2,177	3,657			
2007	29,476	26,200	24,864	23,816	21,029	18,469	1,304	1,048	1,157	1,387	(621)	691	1,940	2,977	3,405	3,561				
2008	35,252	31,723	30,669	29,344	27,902	11,366	11,874	11,795	12,602	9,379	8,781	9,555	7,957	3,779	4,205					
2009	17,396	16,217	15,556	13,886	(800)	136	(595)	(1,382)	(903)	(633)	572	1,725	2,762	2,950						
2010	26,968	25,459	23,471	2,294	2,985	(629)	(5,778)	(3,566)	(3,576)	402	2,105	3,388	4,334							
2011	29,861	28,778	8,916	6,636	5,238	504	1,463	2,590	3,527	4,440	6,225	5,026								
2012	29,077	20,354	18,683	9,317	4,108	2,288	(959)	(380)	4,215	3,542	4,905									
2013	24,442	23,320	18,773	12,283	6,880	6,584	3,453	965	2,382	5,195										
2014	22,092	16,493	8,880	(529)	2,545	1,742	3,323	4,441	5,111											
2015	33,639	29,258	18,881	12,868	7,499	6,739	8,623	5,376												
2016	20,159	15,385	9,920	4,985	142	4,872	5,818													
2017	16,949	14,375	7,701	6,479	6,796	6,879														
2018	13,590	12,703	9,463	8,688	7,752															
2019	13,397	12,895	11,281	9,408																
2020	17,160	16,790	12,596																	
2021	17,596	15,459																		
2022	18,054																			

IMPLIED NUMBER OF OPEN AND IBNR LOST TIME CLAIMS

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																			
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204			
1987															25	43	31	19		
1988															37	37	24	23		
1989															37	37	22	28		
1990															46	39	50	47		
1991										109	72	61	59	49	52	54	53			
1992									128	119	77	69	45	45	45	53	51			
1993									136	124	119	108	83	52	51	59	56			
1994									138	138	128	119	77	64	58	61	68			
1995									106	99	101	95	66	61	58	56	52			
1996						135	115	110	105	102	102	83	75	73	73	71	66			
1997				165	141	129	121	117	114	107	83	75	69	72	68	66	64			
1998			272	198	150	138	128	117	111	101	78	70	63	63	62	58	55			
1999			432	212	161	142	116	108	100	97	90	79	69	63	64	65	64			
2000	1,095	334	216	155	127	117	106	99	98	90	76	70	65	57	62	58	54			
2001	885	360	229	179	154	139	130	129	119	114	87	81	73	70	70	70	70			
2002	800	325	205	151	132	120	116	109	102	88	76	64	57	60	63	59	53			
2003	828	286	188	141	131	123	112	117	112	102	88	76	73	70	68	56	54			
2004	867	300	183	149	123	114	113	105	97	95	75	74	68	61	59	56	51			
2005	797	313	182	153	128	117	108	108	99	92	80	66	64	60	49	45	39			
2006	816	295	202	168	143	134	127	116	117	109	95	91	80	73	66	60	52			
2007	766	279	186	149	126	102	101	98	96	83	70	56	55	50	46	45				
2008	714	291	179	134	105	97	91	88	92	83	67	54	55	52	50					
2009	736	258	147	112	102	82	82	81	74	69	55	50	44	37						
2010	742	269	174	140	118	115	116	99	91	78	60	53	45							
2011	744	253	167	129	111	101	92	76	74	61	46	40								
2012	597	229	166	139	129	110	96	94	75	71	52									
2013	622	246	160	129	109	90	83	74	67	55										
2014	611	247	164	118	98	82	72	64	58											
2015	703	221	134	109	90	74	67	63												
2016	575	204	143	106	78	62	54													
2017	508	189	135	95	76	59														
2018	530	177	117	82	61															
2019	436	143	96	64																
2020	391	142	88																	
2021	357	132																		
2022	382																			

AVERAGE IMPLIED IBNR LOSS PER OPEN AND IBNR LOST TIME CLAIM

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																			
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204			
1987															431,636	241,798	333,224	509,750		
1988															442,809	449,379	678,886	671,959		
1989															219,256	215,682	268,627	335,099		
1990															245,764	268,595	186,956	175,560		
1991										152,839	229,363	266,257	267,313	303,005	266,758	236,104	232,452			
1992										123,823	129,208	196,302	210,220	288,586	266,417	250,164	193,795			
1993										213,715	213,716	230,587	256,498	468,781	445,158	388,679	355,290			
1994										158,464	148,278	150,765	158,678	236,968	269,849	285,098	261,977			
1995										172,609	177,692	167,351	174,928	232,557	246,469	239,725	235,192			
1996										204,745	215,282	217,189	217,725	216,959	191,592	227,290	241,172			
1997										219,056	226,528	224,332	214,326	218,021	266,826	286,166	285,805			

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - MEDICAL

PRELIMINARY IMPLIED UNPAID LOSS (\$000's)

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204
1987																	
1988									20,986	11,607	11,354	11,135	11,136	10,924	10,664	10,467	10,123
1989								9,939	9,544	8,997	8,853	8,551	8,370	8,183	7,971	7,775	7,582
1990							16,375	15,620	15,049	14,405	13,839	13,275	12,688	12,149	11,725	11,217	10,795
1991						20,870	20,217	19,632	18,957	18,506	17,835	17,257	16,837	16,258	15,768	15,132	14,620
1992					20,043	19,342	18,708	18,088	17,575	16,966	16,313	15,536	14,883	14,319	13,878	13,193	12,508
1993				31,158	30,394	29,421	28,851	28,230	27,430	26,806	26,246	25,694	25,146	24,599	24,041	22,908	22,275
1994			31,122	29,769	28,156	27,144	26,221	25,054	23,944	23,182	22,465	21,810	21,175	20,339	19,640	18,909	18,135
1995		23,730	22,186	21,259	20,666	20,164	19,701	19,172	18,609	18,110	17,476	17,006	16,535	16,030	15,541	14,939	14,230
1996	37,709	33,232	31,187	30,187	29,357	28,507	27,453	26,523	25,812	24,831	24,133	23,237	22,186	21,432	20,365	19,570	18,786
1997	40,786	35,435	33,997	32,937	32,003	31,024	30,171	29,338	28,528	27,839	27,025	26,182	25,363	24,603	23,591	22,890	21,697
1998	34,615	29,892	27,858	26,111	24,793	23,641	23,137	22,213	21,679	21,040	20,446	19,774	19,041	18,311	17,506	16,832	16,311
1999	34,978	30,289	28,261	26,982	25,968	25,214	24,313	23,395	22,438	21,565	20,824	19,807	19,112	18,240	17,163	16,164	15,201
2000	33,037	28,578	26,666	25,528	24,573	23,412	22,480	21,513	20,492	19,718	18,910	18,086	17,250	16,556	15,797	14,968	14,401
2001	38,002	32,710	30,208	28,680	27,340	26,457	25,403	24,214	23,207	22,302	21,519	20,697	19,653	18,576	17,155	16,149	15,460
2002	30,913	25,487	23,515	22,026	21,011	19,927	19,181	18,265	17,569	16,987	16,189	15,611	15,024	14,474	13,812	13,141	12,431
2003	35,853	30,825	28,669	26,852	25,558	24,046	23,078	22,062	21,046	20,123	18,400	17,491	16,098	14,943	13,435	12,743	11,631
2004	42,404	36,558	34,439	32,904	31,540	30,239	29,229	28,260	27,172	25,970	24,779	23,642	22,243	21,563	20,550	19,227	18,512
2005	34,927	29,997	28,285	27,192	26,290	25,167	24,103	23,157	22,166	21,120	19,414	18,463	17,764	16,795	16,225	15,621	15,174
2006	44,568	37,934	34,833	33,414	32,072	30,750	29,327	27,765	26,533	25,043	23,975	22,878	21,872	20,643	19,537	18,841	18,125
2007	36,115	29,838	27,670	26,168	24,994	23,994	22,881	21,949	21,151	20,062	18,640	17,814	17,177	16,640	16,055	15,590	
2008	44,040	36,846	34,014	32,533	31,061	30,064	29,080	28,181	27,349	26,387	25,463	24,811	23,737	22,018	21,065		
2009	26,348	19,861	17,769	16,587	15,549	14,560	13,732	13,142	12,243	11,670	11,247	10,664	9,952	9,236			
2010	36,829	29,491	26,704	25,111	23,707	22,326	20,954	17,710	15,811	14,911	14,444	13,840	13,407				
2011	40,245	32,472	29,503	27,598	26,040	24,145	22,196	20,928	20,056	19,015	17,866	17,259					
2012	36,854	30,193	27,813	25,337	23,676	21,608	20,321	19,081	18,215	17,551	17,107						
2013	35,965	29,394	26,650	24,408	22,324	21,057	19,957	18,924	18,095	17,273							
2014	35,294	27,970	25,148	23,129	21,264	19,993	19,134	18,152	17,768								
2015	45,472	37,665	34,694	32,321	30,643	29,072	28,146	27,501									
2016	32,968	25,890	23,088	20,832	18,794	17,376	16,875										
2017	31,661	25,182	22,561	21,402	20,535	19,874											
2018	28,123	22,691	20,411	19,187	18,489												
2019	25,382	20,542	18,815	17,777													
2020	24,139	19,976	18,612														
2021	27,239	22,249															
2022	22,124																

IMPLIED NUMBER OF OPEN AND IBNR LOST TIME CLAIMS

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204
1987																	
1988																	
1989																	
1990																	
1991																	
1992																	
1993																	
1994																	
1995																	
1996																	
1997																	
1998																	
1999																	
2000	1,095	334	216	155	127	117	106	99	98	93	76	70	65	57	62	58	54
2001	885	360	229	179	154	139	130	129	119	114	87	81	73	70	70	67	60
2002	800	325	205	151	132	120	116	109	102	88	76	64	57	60	63	59	53
2003	828	286	188	141	131	123	112	117	112	102	88	76	73	70	68	56	54
2004	867	300	183	149	123	114	113	105	97	95	75	74	68	61	59	56	51
2005	797	313	182	153	128	117	108	108	99	92	80	66	64	60	49	45	39
2006	816	295	202	168	143	134	127	116	117	109	95	91	80	73	66	60	52
2007	766	279	186	149	126	102	101	98	96	83	70	56	55	50	46	45	
2008	714	291	179	134	105	97	91	88	92	83	67	54	55	52	50		
2009	736	258	147	112	102	82	82	81	74	69	55	50	44	37			
2010	742	269	174	140	118	115	116	99	91	78	60	53	45				
2011	744	253	167	129	111	101	92	76	74	61	46	40					
2012	597	229	166	139	129	110	96	94	75	71	52						
2013	622	246	160	129	109	90	83	74	67	55							
2014	611	247	164	118	98	82	72	64	58								
2015	703	221	134	109	90	74	67	63									
2016	575	204	143	106	78	62	54										
2017	508	189	135	95	76	59											
2018	530	177	117	82	61												
2019	436	143	96	64													
2020	391	142	88														
2021	357	132															
2022	382																

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - MEDICAL

PRELIMINARY IMPLIED UNPAID LOSS (\$000's)

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																		
	216	228	240	252	264	276	288	300	312	324	336	348	360	372	384	396	408	420	432
1987	9,738	8,874	8,421	7,300	6,865	6,568	6,222	5,922	5,271	4,860	4,648	3,813	3,029	2,757	2,534	2,413	2,310	2,194	2,103
1988	15,687	15,194	14,736	14,239	13,765	13,161	12,359	12,455	11,936	11,447	10,939	10,477	10,080	9,644	9,308	8,821	8,409	8,094	
1989	7,466	7,143	6,790	6,578	6,352	6,146	5,156	4,570	4,372	4,068	3,779	3,506	3,296	3,101	2,949	2,810	2,648		
1990	9,807	9,214	8,479	7,761	7,119	6,610	6,163	5,681	5,270	4,860	4,478	4,104	3,833	3,265	3,001	2,760			
1991	14,077	13,320	12,772	12,015	10,886	9,998	9,517	8,793	8,165	7,757	7,267	6,292	5,676	4,873	4,738				
1992	11,857	10,991	10,505	10,065	9,482	8,916	7,889	7,532	6,959	6,350	6,033	5,740	5,316	5,120					
1993	21,349	20,792	19,894	18,147	17,572	16,865	16,090	15,076	14,040	13,139	12,492	11,800	10,794						
1994	17,156	16,271	15,257	14,697	13,975	13,175	12,601	12,008	11,245	10,396	9,977	9,566							
1995	13,489	12,848	12,252	11,682	11,089	10,504	9,680	9,022	8,493	8,212	7,895								
1996	17,863	17,097	16,285	15,406	14,364	13,356	12,700	12,079	11,679	11,256									
1997	20,855	19,802	18,808	17,548	16,627	15,680	14,906	14,259	13,728										
1998	15,692	14,904	13,904	13,153	11,787	10,943	10,422	10,121											
1999	14,445	13,553	12,792	12,292	11,849	11,452	11,109												
2000	13,796	13,176	12,640	12,108	11,671	11,052													
2001	14,797	13,940	13,441	12,941	12,554														
2002	11,750	11,223	10,783	10,242															
2003	11,652	10,993	10,703																
2004	17,675	17,057																	
2005	14,770																		
2006																			
2007																			
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2009																			
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2012																			
2013																			
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2018																			
2019																			
2020																			
2021																			
2022																			

IMPLIED NUMBER OF OPEN AND IBNR LOST TIME CLAIMS

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																		
	216	228	240	252	264	276	288	300	312	324	336	348	360	372	384	396	408	420	432
1987	33	35	37	39	37	32	30	24	24	24	20	18	19	16	15	11	10	11	11
1988	27	34	36	32	26	28	25	19	20	19	23	20	18	17	16	15	14	14	
1989	23	29	29	24	22	18	18	15	14	13	15	13	10	12	13	11	10		
1990	48	48	53	51	52	48	46	39	39	40	35	32	27	20	19	19			
1991	55	57	62	55	52	55	49	44	49	43	42	40	38	38	29				
1992	51	50	47	44	45	43	41	36	41	34	30	27	26	21					
1993	56	54	50	51	48	47	44	40	37	36	34	33	31						
1994	68	62	60	56	57	52	54	52	44	40	36	31							
1995	54	55	50	47	48	44	43	40	40	37	30								
1996	65	61	56	58	54	49	45	43	40	41									
1997	59	54	49	49	41	38	39	35	32										
1998	53	53	50	52	47	42	35	34											
1999	62	60	50	44	46	44	42												
2000	58	56	46	42	37	38													
2001	57	49	48	45	44														
2002	52	51	48	45															
2003	47	45	42																
2004	48	44																	
2005	38																		
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2022																			

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - MEDICAL

AVERAGE IMPLIED UNPAID LOSS PER OPEN AND IBNR LOST TIME CLAIM

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																		
	216	228	240	252	264	276	288	300	312	324	336	348	360	372	384	396	408	420	432
1987	295,100	253,530	227,604	187,173	185,530	205,252	207,414	246,735	219,615	202,501	232,414	211,856	159,419	172,319	168,936	219,344	230,960	199,448	191,187
1988	581,010	446,874	409,324	444,984	529,423	470,038	494,344	655,511	596,805	602,473	475,606	523,830	559,976	567,280	581,758	588,077	600,650	578,171	
1989	324,624	246,305	234,122	274,066	289,188	341,424	286,465	304,641	312,288	312,891	251,942	269,725	329,625	258,417	226,815	255,469	264,774		
1990	204,306	191,966	159,989	152,173	136,895	137,717	133,974	145,661	135,118	121,495	127,953	128,256	141,957	163,245	157,966	145,282			
1991	255,945	233,680	205,994	218,448	209,349	181,784	194,234	199,830	166,632	180,391	173,029	157,304	149,366	128,230	163,396				
1992	232,494	219,824	223,512	228,753	210,706	207,348	192,411	209,218	169,724	186,751	201,095	212,583	204,479	243,789					
1993	381,234	385,042	397,889	355,826	366,086	358,829	365,687	376,907	379,452	364,966	367,415	357,583	348,209						
1994	252,301	262,443	254,285	262,448	245,167	253,363	233,345	230,927	255,558	259,911	277,138	308,593							
1995	249,794	233,605	245,042	248,544	231,026	238,729	225,121	225,545	212,313	221,957	263,168								
1996	274,815	280,276	290,800	265,615	266,007	272,580	282,218	280,900	291,969	274,533									
1997	353,473	366,709	383,827	358,117	405,529	412,627	382,212	407,402	429,005										
1998	296,068	281,208	278,083	252,947	250,782	260,558	297,775	297,679											
1999	232,991	225,876	255,833	279,367	257,576	260,281	264,507												
2000	237,856	235,294	274,775	288,295	315,444	290,854													
2001	259,596	284,491	280,030	287,581	285,328														
2002	225,952	220,053	224,638	227,603															
2003	247,924	244,278	254,844																
2004	388,220	387,652																	
2005	388,676																		
2006																			
2007																			
2008																			
2009																			
2010																			
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2012																			
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2014																			
2015																			
2016																			
2017																			
2018																			
2019																			
2020																			
2021																			
2022																			
	TRENDED AVERAGE IMPLIED UNPAID LOSS																		
Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																		
	216	228	240	252	264	276	288	300	312	324	336	348	360	372	384	396	408	420	432
1987	392,993	332,303	293,610	237,642	231,837	252,431	251,062	293,942	257,503	233,687	263,972	236,823	175,393	186,592	180,040	230,071	238,430	202,648	191,187
1988	761,531	576,471	519,693	556,049	651,117	568,954	588,927	768,599	688,716	684,279	531,657	576,318	606,359	604,569	610,209	607,097	610,286	578,171	
1989	418,767	312,719	292,557	337,063	350,046	406,748	335,886	351,557	354,692	349,766	277,187	292,066	351,292	271,055	234,151	259,568	264,774		
1990	259,395	239,879	196,764	184,197	163,087	161,475	154,607	165,440	151,042	133,669	138,552	136,687	148,899	168,525	160,500	145,282			
1991	319,827	287,394	249,344	260,244	245,466	209,780	220,607	223,380	183,329	195,333	184,402	164,997	154,197	130,287	163,396				
1992	285,935	266,084	266,276	268,217	243,156	235,503	215,087	230,181	183,782	199,026	210,929	219,459	207,760	243,789					
1993	461,461	458,712	466,533	410,626	415,795	401,117	402,329	408,126	404,394	382,814	379,299	363,319	348,209						
1994	300,574	307,719	293,447	298,085	274,060	278,750	252,673	246,106	268,056	268,317	281,584	308,593							
1995	292,888	260,581	278,315	277,835	254,175	258,503	239,919	236,575	219,180	225,518	263,168								
1996	317,138	318,333	325,071	292,229	288,040	290,498	296,020	289,985	296,653	274,533									
1997	401,470	409,926	422,286	387,780	432,185	432,807	394,574	413,938	429,005										
1998	330,960	309,385	301,116	269,573	263,047	268,985	302,552	297,679											
1999	256,337	244,585	272,649	293,029	265,907	264,457	264,507												
2000	257,558	250,761	288,212	297,619	320,505	290,854													
2001	276,659	298,404	289,087	292,195	285,328														
2002	237,002	227,170	228,242	227,603															
2003	255,943	248,197	254,844																
2004	374,127	387,652																	
2005	388,676																		
2006																			
2007																			
2008																			
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2016																			
2017																			
2018																			
2019																			
2020																			
2021																			
2022																			
Selected	367,500	365,000	362,500	350,000	350,000	350,000	350,000	350,000	350,000	350,000	350,000	350,000	350,000	350,000	350,000	350,000	350,000	350,000	350,000
Open & IBNR	38	44	42	45	44	38	42	34	32	41	30	31	21	29	19	10	14	11	
Indicated Unpaid	13,965	16,060	15,225	15,750	15,400	13,300	14,700	11,900	11,200	14,350	10,850	10,850	7,350	10,150	6,650	3,500	4,900	3,850	
Paid	25,441	31,078	31,252	25,985	30,424	26,726	28,057	29,560	30,674	30,467	24,739	35,450	33,693	27,793	27,866	25,013	18,709	24,216	19,265
Indicated Ult	39,406	47,138	46,477	41,735	45,824	40,026	42,757	41,460	41,874	44,817	35,239	46,300	44,543	35,143	38,016	31,663	22,209	29,116	23,115

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - INDEMNITY

SUMMARY OF GROSS PAYMENTS AND REQUIRED RESERVES

ACCIDENT YEAR ENDING 6/30	(1)	(2)	(3)	(4)	(5)	(6)	(7)
	SELECTED ULTIMATE LOSSES	PAID LOSS TO DATE	CASE RESERVES	SELECTED LOSS I.B.N.R.	PROJECTED UNDISCOUNTED RESERVE	DISCOUNT FACTOR	PROJECTED DISCOUNTED RESERVE
1987	12,314	12,314	0	0	0	0.933	0
1988	14,836	14,537	277	23	300	0.913	274
1989	16,646	16,646	0	0	0	0.895	0
1990	20,777	20,431	309	38	346	0.878	304
1991	19,523	19,210	263	50	313	0.871	273
1992	21,103	21,103	0	0	0	0.875	0
1993	20,138	19,921	156	62	217	0.873	189
1994	22,169	21,666	426	77	503	0.869	437
1995	18,373	17,629	691	52	743	0.863	641
1996	16,866	16,861	3	2	4	0.856	4
1997	17,740	17,740	0	0	0	0.849	0
1998	19,753	19,444	229	80	310	0.844	261
1999	15,476	15,142	261	73	334	0.840	280
2000	18,429	17,654	692	84	775	0.836	648
2001	24,352	24,351	1	0	1	0.832	1
2002	20,014	19,162	730	121	851	0.829	706
2003	20,825	20,825	0	0	0	0.824	0
2004	19,040	18,438	436	166	602	0.818	492
2005	17,525	16,926	465	133	598	0.813	486
2006	19,520	18,726	571	222	793	0.808	641
2007	18,008	18,008	0	0	0	0.805	0
2008	17,049	16,037	764	248	1,012	0.802	812
2009	13,865	13,863	2	1	3	0.798	2
2010	17,917	17,341	335	241	576	0.797	459
2011	15,561	15,176	93	293	385	0.810	312
2012	18,237	17,443	418	376	794	0.833	662
2013	18,039	16,467	1,298	274	1,572	0.868	1,364
2014	17,689	15,770	1,216	703	1,919	0.905	1,736
2015	16,567	13,692	2,010	864	2,875	0.911	2,619
2016	16,155	12,482	2,602	1,071	3,673	0.909	3,339
2017	18,073	12,022	5,556	495	6,051	0.906	5,480
2018	15,763	9,368	5,110	1,284	6,395	0.899	5,750
2019	13,662	6,563	4,347	2,753	7,099	0.896	6,361
2020	15,338	5,969	5,139	4,230	9,369	0.891	8,350
2021	16,136	4,879	4,559	6,697	11,257	0.884	9,954
2022	<u>15,530</u>	<u>1,938</u>	<u>3,974</u>	<u>9,617</u>	<u>13,592</u>	0.881	<u>11,974</u>
TOTALS	639,008	565,745	42,933	30,330	73,263		64,812

NOTES BY COLUMN:

- (1) EXH. WC IND-6 COL. (6)
(2) FROM EXH. WC IND-15
(3) EXH. WC IND-13 - EXH. WC IND-15
(4) COL. (1) - COL. (2) - COL. (3)
(5) COL. (3) + COL. (4)
(6) BASED ON 2.78% DISCOUNT RATE AND PAYMENT PATTERN (EXH. WC IND-14)
(7) COL. (5) x COL. (6)
ALL DOLLARS ARE IN THOUSANDS

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - INDEMNITY

PROJECTION OF ULTIMATE LOSSES FOR ACCIDENT YEARS 2023-2027

ACCIDENT YEAR ENDING 6/30	(1)	(2)	(3)
	PAYROLL (MILLIONS)	PROJECTED LOSS PER EXPOSURE	PROJECTED ULTIMATE LOSS
2023	8,773.64	1.787	15,676
2024	9,228.64	1.706	15,747
2025	9,231.15	1.630	15,043
2026	9,231.99	1.556	14,367
2027	9,231.99	1.486	13,721

NOTES BY COLUMN:

- (1) PROVIDED BY COMMONWEALTH OF VIRGINIA
(2) EXH. WC IND-7 COL. (4) SELECTED TIMES TREND FACTOR OF 0.955
ALSO INCLUDES ESTIMATED IMPACT OF PTSD PRESUMPTION.
(3) COL. (1) x COL. (2)
ALL DOLLARS ARE IN THOUSANDS

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - INDEMNITY

PROJECTION OF REQUIRED UNDISCOUNTED RESERVE AT FISCAL YEAR END

ACCIDENT YEAR ENDING 6/30	AS OF 6/30					
	2022	2023	2024	2025	2026	2027
	1987	0	0	0	0	0
1988	300	280	210	157	118	89
1989	0	0	0	0	0	0
1990	346	322	302	283	212	159
1991	313	275	256	240	224	168
1992	0	0	0	0	0	0
1993	217	181	146	128	119	112
1994	503	432	361	290	255	237
1995	743	652	560	468	376	330
1996	4	4	3	3	2	2
1997	0	0	0	0	0	0
1998	310	275	245	218	191	164
1999	334	295	262	234	208	183
2000	775	691	611	543	484	431
2001	1	1	1	1	1	0
2002	851	760	677	603	534	474
2003	0	0	0	0	0	0
2004	602	549	495	442	394	351
2005	598	545	497	449	400	357
2006	793	724	660	601	543	484
2007	0	0	0	0	0	0
2008	1,012	919	834	760	693	632
2009	3	2	2	2	2	2
2010	576	521	474	430	390	356
2011	385	322	291	265	240	218
2012	794	613	512	463	422	383
2013	1,572	1,061	819	684	619	563
2014	1,919	1,104	745	575	480	434
2015	2,875	2,035	1,170	790	610	509
2016	3,673	2,848	2,016	1,160	783	604
2017	6,051	4,800	3,721	2,635	1,515	1,023
2018	6,395	5,290	4,196	3,253	2,303	1,325
2019	7,099	5,758	4,763	3,778	2,929	2,074
2020	9,369	7,776	6,307	5,217	4,138	3,208
2021	11,257	9,635	7,997	6,486	5,365	4,256
2022	<u>13,592</u>	11,369	9,732	8,077	6,551	5,419
2023		<u>13,804</u>	11,547	9,884	8,203	6,653
2024			<u>13,866</u>	11,599	9,929	8,240
2025				<u>13,246</u>	11,080	9,484
2026					<u>12,651</u>	10,583
2027						<u>12,082</u>
TOTAL	73,263	73,842	74,279	73,964	72,965	71,588

NOTES:

RESERVE PROJECTIONS BASED ON EXH. WC IND-5
ALL DOLLARS ARE IN THOUSANDS

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - INDEMNITY

PROJECTION OF REQUIRED DISCOUNTED RESERVE AT FISCAL YEAR END

ACCIDENT YEAR ENDING 6/30	AS OF 6/30					
	2022	2023	2024	2025	2026	2027
	1987	0	0	0	0	0
1988	274	261	198	150	114	87
1989	0	0	0	0	0	0
1990	304	288	276	264	199	151
1991	273	241	229	219	209	158
1992	0	0	0	0	0	0
1993	189	159	127	112	106	102
1994	437	377	316	253	224	212
1995	641	566	489	409	327	290
1996	4	3	3	2	2	2
1997	0	0	0	0	0	0
1998	261	233	210	188	166	144
1999	280	249	222	200	180	159
2000	648	580	516	461	414	372
2001	1	1	1	1	0	0
2002	706	632	566	507	450	402
2003	0	0	0	0	0	0
2004	492	452	410	368	329	295
2005	486	446	409	372	333	298
2006	641	588	539	495	450	403
2007	0	0	0	0	0	0
2008	812	740	673	618	567	520
2009	2	2	2	2	1	1
2010	459	416	380	346	315	289
2011	312	256	232	212	193	176
2012	662	497	408	369	338	308
2013	1,364	885	664	545	494	452
2014	1,736	958	621	466	383	347
2015	2,619	1,841	1,016	659	494	406
2016	3,339	2,595	1,824	1,006	653	490
2017	5,480	4,363	3,391	2,384	1,315	853
2018	5,750	4,790	3,814	2,964	2,084	1,150
2019	6,361	5,178	4,313	3,435	2,669	1,876
2020	8,350	6,967	5,671	4,724	3,762	2,924
2021	9,954	8,587	7,165	5,832	4,858	3,869
2022	<u>11,974</u>	10,054	8,673	7,236	5,891	4,907
2023		<u>12,161</u>	10,211	8,809	7,349	5,983
2024			<u>12,216</u>	10,257	8,849	7,383
2025				<u>11,669</u>	9,798	8,453
2026					<u>11,145</u>	9,358
2027						<u>10,644</u>
TOTAL	64,812	65,367	65,786	65,536	64,665	63,462

NOTES:

RESERVE PROJECTIONS BASED ON EXH. WC IND-5, PAYMENT PATTERN (EXH. WC IND-14), DISCOUNTED AT AN INTEREST RATE OF 2.78%
 ALL DOLLARS ARE IN THOUSANDS

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - INDEMNITY

PROJECTED PAYMENTS BY FISCAL YEAR

ACCIDENT YEAR ENDING 6/30	ESTIMATED RESERVE/ ULTIMATE AS OF 6/30/22					
		2023	2024	2025	2026	2027
1987	0	0	0	0	0	0
1988	300	20	70	52	39	30
1989	0	0	0	0	0	0
1990	346	24	20	20	71	53
1991	313	38	19	16	16	56
1992	0	0	0	0	0	0
1993	217	36	36	18	9	7
1994	503	71	71	71	36	18
1995	743	92	92	92	92	46
1996	4	0	0	0	0	0
1997	0	0	0	0	0	0
1998	310	35	30	27	27	27
1999	334	38	33	28	26	26
2000	775	85	79	69	58	53
2001	1	0	0	0	0	0
2002	851	92	83	74	69	60
2003	0	0	0	0	0	0
2004	602	53	53	53	48	43
2005	598	53	48	48	48	44
2006	793	70	64	58	58	59
2007	0	0	0	0	0	0
2008	1,012	93	86	73	67	61
2009	3	0	0	0	0	0
2010	576	55	46	44	40	34
2011	385	63	31	26	24	22
2012	794	181	101	49	41	39
2013	1,572	510	242	135	66	55
2014	1,919	815	358	170	95	46
2015	2,875	839	865	380	180	101
2016	3,673	825	832	857	377	179
2017	6,051	1,251	1,078	1,087	1,119	492
2018	6,395	1,105	1,094	943	950	979
2019	7,099	1,341	995	985	849	855
2020	9,369	1,593	1,469	1,090	1,079	930
2021	11,257	1,621	1,639	1,511	1,121	1,110
2022	13,592	2,222	1,637	1,655	1,526	1,132
2023	15,676	<u>1,873</u>	2,257	1,663	1,681	1,549
2024	15,747		<u>1,881</u>	2,267	1,671	1,689
2025	15,043			<u>1,797</u>	2,166	1,596
2026	14,367				<u>1,716</u>	2,068
2027	<u>13,721</u>					<u>1,639</u>
TOTAL	147,817	15,097	15,310	15,358	15,366	15,097

NOTES:

BASED ON EXH. WC IND-2 COL. (3) AND EXH. WC IND-1 COL. (5) AND PAYMENT PATTERN (EXH. WC IND-14)
ESTIMATED RESERVE / ULTIMATE COLUMN EQUAL TO OUTSTANDING RESERVES THROUGH 2022 AND
EXPECTED ULTIMATES FROM 2023 TO 2027
ALL DOLLARS ARE IN THOUSANDS

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - INDEMNITY

SUMMARY OF PROJECTIONS OF ULTIMATE LOSSES

ACCIDENT YEAR ENDING 6/30	(1)	(2)	(3)	(4)	(5)	(6)
	BORN-FERG (INCURRED)	BORN-FERG (PAID)	INCURRED DEVELOPMENT	PAID LOSS DEVELOPMENT	OUTSTANDING LOSS DEVELOPMENT	SELECTED ULTIMATE LOSSES
1987	12,340	12,365	12,332	12,349	12,314	12,314
1988	14,842	14,592	14,836	14,581	15,099	14,836
1989	16,678	16,707	16,673	16,700	16,646	16,646
1990	20,776	20,501	20,777	20,502	21,077	20,777
1991	19,518	19,299	19,512	19,286	19,736	19,523
1992	21,149	21,208	21,148	21,207	21,103	21,103
1993	20,127	20,048	20,124	20,040	20,180	20,138
1994	22,149	21,817	22,149	21,816	22,348	22,169
1995	18,377	17,784	18,373	17,769	18,711	18,373
1996	16,922	17,026	16,917	17,011	16,866	16,866
1997	17,801	17,916	17,800	17,916	17,740	17,740
1998	19,745	19,658	19,747	19,662	19,789	19,753
1999	15,481	15,382	15,467	15,335	15,530	15,476
2000	18,435	17,932	18,429	17,907	18,674	18,429
2001	24,453	24,672	24,474	24,743	24,352	24,352
2002	20,000	19,510	20,003	19,508	20,221	20,014
2003	20,937	21,186	20,952	21,243	20,825	20,825
2004	18,994	18,816	19,004	18,844	19,076	19,040
2005	17,531	17,362	17,525	17,337	17,611	17,525
2006	19,456	19,220	19,460	19,225	19,568	19,520
2007	18,183	18,559	18,174	18,539	18,008	18,008
2008	16,995	16,657	16,968	16,559	17,149	17,049
2009	14,069	14,530	14,013	14,360	13,865	13,865
2010	17,887	18,051	17,879	18,031	17,817	17,917
2011	15,486	15,986	15,459	15,905	15,303	15,561
2012	18,097	18,498	18,102	18,544	17,982	18,237
2013	18,030	18,001	18,039	18,055	18,036	18,039
2014	17,292	18,425	17,291	18,615	17,144	17,689
2015	16,050	17,341	16,033	17,462	15,914	16,567
2016	15,494	17,146	15,462	17,299	15,335	16,155
2017	18,073	17,760	18,127	18,526	18,103	18,073
2018	15,196	16,330	15,141	16,276	15,066	15,763
2019	12,338	14,987	11,972	13,766	11,797	13,662
2020	14,621	16,055	14,235	16,154	13,855	15,338
2021	16,015	16,257	16,436	18,523	15,683	16,136
2022	<u>15,396</u>	<u>15,663</u>	<u>15,100</u>	<u>16,224</u>	<u>14,800</u>	<u>15,530</u>
TOTALS	634,934	643,247	634,133	645,821	633,323	639,008

NOTES BY COLUMN:

(1) FROM EXH. WC IND-7 COL. (10)

(2) FROM EXH. WC IND-8 COL. (10)

(3) FROM EXH. WC IND-9 COL. (4)

(4) EXH. WC IND-10 COL. (4)

(5) EXH. WC IND-11 COL. (5)

(6) BASED ON COLS. (1) THROUGH (5), INCURRED LOSSES AND JUDGMENT.

ALL DOLLARS ARE IN THOUSANDS

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - INDEMNITY

ESTIMATED ULTIMATE LOSS - BORNHUETTER/FERGUSON INCURRED METHOD

ACCIDENT YEAR ENDING 6/30	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
	EXPOSURE	PROJECTED PURE PREMIUM	BENEFIT LEVEL FACTORS	TRENDED* PURE PREM AT 1/22	SELECTED PURE PREMIUM	EXPECTED LOSS	PERCENTAGE UNREPORTED LOSS	EXPECTED UNREPORTED LOSS	INCURRED LOSS	ESTIMATED ULTIMATE LOSS
1987	2,014.05	6.114	1.244	1.518	8.843	17,810	0.1%	26	12,314	12,340
1988	2,141.31	6.929	1.233	1.786	8.519	18,241	0.2%	28	14,814	14,842
1989	2,334.18	7.131	1.224	1.910	8.198	19,136	0.2%	32	16,646	16,678
1990	2,559.91	8.116	1.211	2.252	7.915	20,262	0.2%	37	20,739	20,776
1991	2,971.00	6.571	1.207	1.903	7.582	22,526	0.2%	45	19,473	19,518
1992	2,921.00	7.224	1.201	2.179	7.279	21,263	0.2%	46	21,103	21,149
1993	3,051.00	6.601	1.190	2.067	7.012	21,394	0.2%	50	20,077	20,127
1994	3,249.40	6.823	1.181	2.220	6.750	21,933	0.3%	57	22,092	22,149
1995	3,436.52	5.346	1.173	1.809	5.734	19,706	0.3%	56	18,321	18,377
1996	3,393.80	4.970	1.165	1.748	5.514	18,715	0.3%	58	16,864	16,922
1997	3,373.85	5.258	1.156	1.923	5.303	17,892	0.3%	61	17,740	17,801
1998	3,770.79	5.239	1.148	1.992	5.100	19,231	0.4%	72	19,673	19,745
1999	4,052.54	3.819	1.138	1.507	4.700	19,045	0.4%	78	15,403	15,481
2000	4,341.67	4.245	1.125	1.734	4.542	19,720	0.5%	89	18,346	18,435
2001	4,623.59	5.267	1.110	2.223	4.394	20,316	0.5%	102	24,351	24,453
2002	4,613.75	4.338	1.096	1.893	4.251	19,612	0.6%	108	19,892	20,000
2003	4,471.67	4.657	1.084	2.105	4.104	18,353	0.6%	112	20,825	20,937
2004	4,459.64	4.269	1.082	2.017	3.927	17,514	0.7%	120	18,874	18,994
2005	4,897.19	3.579	1.079	1.765	3.762	18,422	0.8%	140	17,392	17,531
2006	5,262.17	3.709	1.071	1.902	3.618	19,037	0.8%	159	19,298	19,456
2007	5,521.29	3.262	1.062	1.736	3.486	19,247	0.9%	175	18,008	18,183
2008	5,855.25	2.912	1.052	1.608	3.359	19,668	1.0%	194	16,801	16,995
2009	5,985.58	2.316	1.047	1.333	3.224	19,297	1.1%	205	13,865	14,069
2010	5,959.94	3.006	1.037	1.793	3.110	18,534	1.1%	210	17,676	17,887
2011	5,962.22	2.612	1.039	1.635	2.964	17,671	1.2%	218	15,269	15,486
2012	6,243.36	2.935	1.033	1.914	2.845	17,760	1.3%	236	17,862	18,097
2013	6,371.40	2.832	1.025	1.919	2.738	17,447	1.5%	265	17,765	18,030
2014	6,610.00	2.716	1.020	1.917	2.628	17,372	1.8%	307	16,985	17,292
2015	6,712.89	2.495	1.017	1.838	2.517	16,899	2.1%	348	15,703	16,050
2016	6,959.72	2.354	1.016	1.814	2.407	16,749	2.4%	410	15,084	15,494
2017	7,076.45	2.590	1.011	2.080	2.310	16,345	3.0%	495	17,578	18,073
2018	7,391.93	2.125	1.005	1.776	2.219	16,403	4.4%	718	14,479	15,196
2019	7,558.68	1.703	1.000	1.483	2.130	16,098	8.9%	1,428	10,909	12,338
2020	7,864.70	1.932	1.000	1.762	2.034	15,996	22.0%	3,513	11,109	14,621
2021	7,876.91	2.219	1.000	2.119	1.961	15,447	42.6%	6,576	9,439	16,015
2022	8,327.14	1.881	1.000	1.881	1.872	15,587	60.8%	9,484	5,912	15,396
TOTAL AVERAGE SELECTED	180,216	4.169		1.863 1.855		666,650		26,256	608,678	634,934

* Trend Factor= 0.955

NOTES BY COLUMN:

- (1) FROM COMMONWEALTH OF VIRGINIA. EXPOSURES=PAYROLL IN MILLIONS OF DOLLARS
- (2) AVERAGE OF ULT. LOSSES FROM EXH. WC IND-6 COL. (3) AND (4)) / COL. (1)
- (3) DERIVED FROM NCCI ANNUAL STATISTICAL BULLETIN
- (4) COL.(2) x COL.(3) x TRENDED*(2022-AY)
- (5) SELECTED TRENDED PURE PREMIUM / TRENDED*(2022-AY) / COL.(3)
- 2021 FORWARD INCLUDES ADJUSTMENT FOR PTSD PRESUMPTION.
- SELECTED TRENDED IS IN EXCESS OF WAGE INFLATION.

- (6) COL. (5) x COL. (1)
- (7) 1-(1/(CUM. SELECTED FACTOR (EXH. WC IND-12)))
- (8) COL. (6) x COL. (7)
- (9) FROM EXH. WC IND-9
- (10) COL. (8) + COL. (9)
- ALL DOLLARS ARE IN THOUSANDS

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - INDEMNITY

ESTIMATED ULTIMATE LOSS - BORNHUETTER / FERGUSON PAID METHOD

ACCIDENT YEAR ENDING 6/30	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
	EXPOSURE	PROJECTED PURE PREMIUM	BENEFIT LEVEL FACTORS	TRENDED* PURE PREM AT 1/22	SELECTED PURE PREMIUM	EXPECTED LOSS	PERCENTAGE UNPAID LOSS	EXPECTED UNPAID LOSS	PAID LOSS	ESTIMATED ULTIMATE LOSS
1987	2,014.05	6.114	1.244	1.518	8.843	17,810	0.3%	51	12,314	12,365
1988	2,141.31	6.929	1.233	1.786	8.519	18,241	0.3%	55	14,537	14,592
1989	2,334.18	7.131	1.224	1.910	8.198	19,136	0.3%	62	16,646	16,707
1990	2,559.91	8.116	1.211	2.252	7.915	20,262	0.3%	71	20,431	20,501
1991	2,971.00	6.571	1.207	1.903	7.582	22,526	0.4%	89	19,210	19,299
1992	2,921.00	7.224	1.201	2.179	7.279	21,263	0.5%	105	21,103	21,208
1993	3,051.00	6.601	1.190	2.067	7.012	21,394	0.6%	126	19,921	20,048
1994	3,249.40	6.823	1.181	2.220	6.750	21,933	0.7%	151	21,666	21,817
1995	3,436.52	5.346	1.173	1.809	5.734	19,706	0.8%	155	17,629	17,784
1996	3,393.80	4.970	1.165	1.748	5.514	18,715	0.9%	165	16,861	17,026
1997	3,373.85	5.258	1.156	1.923	5.303	17,892	1.0%	177	17,740	17,916
1998	3,770.79	5.239	1.148	1.992	5.100	19,231	1.1%	214	19,444	19,658
1999	4,052.54	3.819	1.138	1.507	4.700	19,045	1.3%	239	15,142	15,382
2000	4,341.67	4.245	1.125	1.734	4.542	19,720	1.4%	278	17,654	17,932
2001	4,623.59	5.267	1.110	2.223	4.394	20,316	1.6%	322	24,351	24,672
2002	4,613.75	4.338	1.096	1.893	4.251	19,612	1.8%	348	19,162	19,510
2003	4,471.67	4.657	1.084	2.105	4.104	18,353	2.0%	361	20,825	21,186
2004	4,459.64	4.269	1.082	2.017	3.927	17,514	2.2%	378	18,438	18,816
2005	4,897.19	3.579	1.079	1.765	3.762	18,422	2.4%	436	16,926	17,362
2006	5,262.17	3.709	1.071	1.902	3.618	19,037	2.6%	494	18,726	19,220
2007	5,521.29	3.262	1.062	1.736	3.486	19,247	2.9%	551	18,008	18,559
2008	5,855.25	2.912	1.052	1.608	3.359	19,668	3.2%	620	16,037	16,657
2009	5,985.58	2.316	1.047	1.333	3.224	19,297	3.5%	668	13,863	14,530
2010	5,959.94	3.006	1.037	1.793	3.110	18,534	3.8%	709	17,341	18,051
2011	5,962.22	2.612	1.039	1.635	2.964	17,671	4.6%	810	15,176	15,986
2012	6,243.36	2.935	1.033	1.914	2.845	17,760	5.9%	1,054	17,443	18,498
2013	6,371.40	2.832	1.025	1.919	2.738	17,447	8.8%	1,534	16,467	18,001
2014	6,610.00	2.716	1.020	1.917	2.628	17,372	15.3%	2,656	15,770	18,425
2015	6,712.89	2.495	1.017	1.838	2.517	16,899	21.6%	3,649	13,692	17,341
2016	6,959.72	2.354	1.016	1.814	2.407	16,749	27.8%	4,664	12,482	17,146
2017	7,076.45	2.590	1.011	2.080	2.310	16,345	35.1%	5,738	12,022	17,760
2018	7,391.93	2.125	1.005	1.776	2.219	16,403	42.4%	6,962	9,368	16,330
2019	7,558.68	1.703	1.000	1.483	2.130	16,098	52.3%	8,424	6,563	14,987
2020	7,864.70	1.932	1.000	1.762	2.034	15,996	63.0%	10,086	5,969	16,055
2021	7,876.91	2.219	1.000	2.119	1.961	15,447	73.7%	11,378	4,879	16,257
2022	8,327.14	1.881	1.000	1.881	1.872	15,587	88.1%	13,725	1,938	15,663
TOTAL AVERAGE SELECTED	180,216.48	4.169		1.863 1.855		666,650		77,501	565,745	643,247

* Trend Factor= 0.955

NOTES BY COLUMN:

- (1) FROM COMMONWEALTH OF VIRGINIA. EXPOSURES=PAYROLL IN MILLIONS OF DOLLARS
- (2) AVERAGE OF ULT. LOSSES FROM EXH. WC IND-6 COL. (3) AND (4) / COL. (1)
- (3) DERIVED FROM NCCI ANNUAL STATISTICAL BULLETIN
- (4) COL.(2) x COL.(3) x TRENDA(2022-AY)
- (5) SELECTED TRENDED PURE PREMIUM / TRENDA ^ (2022-AY) / COL.(3)
- 2021 FORWARD INCLUDES ADJUSTMENT FOR PTSD PRESUMPTION.

- (6) COL. (5) x COL. (1)
- (7) 1-(1/(CUM. SELECTED FACTOR (EXH. WC IND-14)))
- (8) COL. (6) x COL. (7)
- (9) FROM EXH. WC IND-15
- (10) COL. (8) + COL. (9)
- ALL DOLLARS ARE IN THOUSANDS

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - INDEMNITY

ESTIMATED ULTIMATE LOSS
INCURRED LOSS DEVELOPMENT METHOD

ACCIDENT YEAR ENDING 6/30	(1)	(2)	(3)	(4)
	INCURRED LOSS	INCURRED LOSS DEV'T FACTORS	SELECTED INCURRED LOSS DEV'T FACTORS	ESTIMATED ULTIMATE LOSS
1987	12,314	1.0015	1.0015	12,332
1988	14,814	1.0015	1.0015	14,836
1989	16,646	1.0017	1.0017	16,673
1990	20,739	1.0018	1.0018	20,777
1991	19,473	1.0020	1.0020	19,512
1992	21,103	1.0022	1.0022	21,148
1993	20,077	1.0024	1.0024	20,124
1994	22,092	1.0026	1.0026	22,149
1995	18,321	1.0028	1.0028	18,373
1996	16,864	1.0031	1.0031	16,917
1997	17,740	1.0034	1.0034	17,800
1998	19,673	1.0038	1.0038	19,747
1999	15,403	1.0041	1.0041	15,467
2000	18,346	1.0046	1.0046	18,429
2001	24,351	1.0050	1.0050	24,474
2002	19,892	1.0055	1.0055	20,003
2003	20,825	1.0061	1.0061	20,952
2004	18,874	1.0069	1.0069	19,004
2005	17,392	1.0076	1.0076	17,525
2006	19,298	1.0084	1.0084	19,460
2007	18,008	1.0092	1.0092	18,174
2008	16,801	1.0099	1.0099	16,968
2009	13,865	1.0107	1.0107	14,013
2010	17,676	1.0115	1.0115	17,879
2011	15,269	1.0125	1.0125	15,459
2012	17,862	1.0135	1.0135	18,102
2013	17,765	1.0154	1.0154	18,039
2014	16,985	1.0180	1.0180	17,291
2015	15,703	1.0210	1.0210	16,033
2016	15,084	1.0251	1.0251	15,462
2017	17,578	1.0313	1.0313	18,127
2018	14,479	1.0457	1.0457	15,141
2019	10,909	1.0974	1.0974	11,972
2020	11,109	1.2814	1.2814	14,235
2021	9,439	1.7413	1.7413	16,436
2022	<u>5,912</u>	2.5540	2.5540	<u>15,100</u>
TOTAL	608,678			634,133

NOTES BY COLUMN:

(1) FROM EXH. WC IND-13

(2) FROM EXH. WC IND-12

(3) BASED ON COLUMN (2) AND JUDGMENT

(4) COL. (1) x COL. (3)

ALL DOLLARS ARE IN THOUSANDS

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - INDEMNITY

ESTIMATED ULTIMATE LOSS
PAID LOSS DEVELOPMENT METHOD

ACCIDENT YEAR ENDING 6/30	(1)	(2)	(3)	(4)
	PAID LOSS	PAID LOSS DEV'T FACTORS	SELECTED PAID LOSS DEV'T FACTORS	ESTIMATED ULTIMATE LOSS
1987	12,314	1.0028	1.0028	12,349
1988	14,537	1.0030	1.0030	14,581
1989	16,646	1.0032	1.0032	16,700
1990	20,431	1.0035	1.0035	20,502
1991	19,210	1.0040	1.0040	19,286
1992	21,103	1.0050	1.0050	21,207
1993	19,921	1.0059	1.0059	20,040
1994	21,666	1.0069	1.0069	21,816
1995	17,629	1.0079	1.0079	17,769
1996	16,861	1.0089	1.0089	17,011
1997	17,740	1.0100	1.0100	17,916
1998	19,444	1.0112	1.0112	19,662
1999	15,142	1.0127	1.0127	15,335
2000	17,654	1.0143	1.0143	17,907
2001	24,351	1.0161	1.0161	24,743
2002	19,162	1.0181	1.0181	19,508
2003	20,825	1.0201	1.0201	21,243
2004	18,438	1.0220	1.0220	18,844
2005	16,926	1.0242	1.0242	17,337
2006	18,726	1.0266	1.0266	19,225
2007	18,008	1.0294	1.0294	18,539
2008	16,037	1.0325	1.0325	16,559
2009	13,863	1.0358	1.0358	14,360
2010	17,341	1.0398	1.0398	18,031
2011	15,176	1.0480	1.0480	15,905
2012	17,443	1.0631	1.0631	18,544
2013	16,467	1.0964	1.0964	18,055
2014	15,770	1.1804	1.1804	18,615
2015	13,692	1.2754	1.2754	17,462
2016	12,482	1.3860	1.3860	17,299
2017	12,022	1.5410	1.5410	18,526
2018	9,368	1.7374	1.7374	16,276
2019	6,563	2.0976	2.0976	13,766
2020	5,969	2.7063	2.7063	16,154
2021	4,879	3.7962	3.7962	18,523
2022	<u>1,938</u>	8.3716	8.3716	<u>16,224</u>
TOTAL	565,745			645,821

NOTES BY COLUMN:

(1) FROM EXH. WC IND-15

(2) FROM EXH. WC IND-14

(3) BASED ON COLUMN (2) AND JUDGMENT

(4) COL. (1) x COL. (3)

ALL DOLLARS ARE IN THOUSANDS

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - INDEMNITY

ESTIMATED ULTIMATE LOSS
OUTSTANDING LOSS DEVELOPMENT METHOD

ACCIDENT YEAR ENDING 6/30	(1)	(2)	(3)	(4)	(5)
	PAID LOSS	CASE RESERVES	SELECTED PAID LOSS DEV'T FACTORS	SELECTED INCURRED LOSS DEV'T FACTORS	ESTIMATED ULTIMATE LOSS
1987	12,314	0	1.0028	1.0015	12,314
1988	14,537	277	1.0030	1.0015	15,099
1989	16,646	0	1.0032	1.0017	16,646
1990	20,431	309	1.0035	1.0018	21,077
1991	19,210	263	1.0040	1.0020	19,736
1992	21,103	0	1.0050	1.0022	21,103
1993	19,921	156	1.0059	1.0024	20,180
1994	21,666	426	1.0069	1.0026	22,348
1995	17,629	691	1.0079	1.0028	18,711
1996	16,861	3	1.0089	1.0031	16,866
1997	17,740	0	1.0100	1.0034	17,740
1998	19,444	229	1.0112	1.0038	19,789
1999	15,142	261	1.0127	1.0041	15,530
2000	17,654	692	1.0143	1.0046	18,674
2001	24,351	1	1.0161	1.0050	24,352
2002	19,162	730	1.0181	1.0055	20,221
2003	20,825	0	1.0201	1.0061	20,825
2004	18,438	436	1.0220	1.0069	19,076
2005	16,926	465	1.0242	1.0076	17,611
2006	18,726	571	1.0266	1.0084	19,568
2007	18,008	0	1.0294	1.0092	18,008
2008	16,037	764	1.0325	1.0099	17,149
2009	13,863	2	1.0358	1.0107	13,865
2010	17,341	335	1.0398	1.0115	17,817
2011	15,176	93	1.0480	1.0125	15,303
2012	17,443	418	1.0631	1.0135	17,982
2013	16,467	1,298	1.0964	1.0154	18,036
2014	15,770	1,216	1.1804	1.0180	17,144
2015	13,692	2,010	1.2754	1.0210	15,914
2016	12,482	2,602	1.3860	1.0251	15,335
2017	12,022	5,556	1.5410	1.0313	18,103
2018	9,368	5,110	1.7374	1.0457	15,066
2019	6,563	4,347	2.0976	1.0974	11,797
2020	5,969	5,139	2.7063	1.2814	13,855
2021	4,879	4,559	3.7962	1.7413	15,683
2022	<u>1,938</u>	<u>3,974</u>	8.3716	2.5540	<u>14,800</u>
TOTAL	565,745	42,933			633,323

NOTES BY COLUMN:

- (1) FROM EXH. WC IND-15
(2) EXH. WC IND-9 - EXH. WC IND-15
(3) FROM EXH. WC IND-14
(4) FROM EXH. WC IND-12
(5) COL. (1) + COL. (2) + [COL. (2) X [1.00 - 1 / COL. (4)] / [1 / COL. (4) - 1 / COL. (3)]
ALL DOLLARS ARE IN THOUSANDS

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - INDEMNITY

AGE - TO - AGE INCURRED LOSS DEVELOPMENT FACTORS

Accident Period Ending 6/30	MONTHS FROM / TO																
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204
1987	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204	216
1987										0.9674	0.9606	0.9825	0.9974	1.0229	0.9963	1.0008	1.0034
1988									0.7978	1.0094	1.0437	1.0042	1.0035	0.9964	1.0025	1.0094	1.0077
1989								0.9974	1.0177	1.0038	0.9831	0.9933	1.0004	0.9999	0.9966	0.9994	0.9863
1990							1.0067	1.0533	1.0276	1.0220	1.0224	1.0038	1.0172	0.9987	1.0006	1.0087	1.0000
1991						1.0684	1.0587	1.0299	1.0188	1.0247	0.9901	1.0004	1.0017	1.0014	1.0093	1.0009	1.0009
1992					1.0682	1.0904	1.0523	1.0411	1.0499	0.9844	0.9945	1.0168	0.9985	1.0000	1.0000	1.0189	1.0000
1993				1.2058	1.0425	1.0384	1.0299	1.0571	1.0030	0.9987	1.0004	1.0111	1.0141	1.0007	0.9995	1.0000	0.9944
1994			1.2884	1.1549	1.0214	1.0569	1.0648	1.0590	1.0142	0.9922	0.9923	0.9957	1.0014	1.0002	0.9982	1.0000	1.0000
1995		1.4302	1.1771	1.0712	1.0497	1.0816	1.0369	1.0265	1.0188	1.0060	0.9989	1.0341	1.0015	1.0000	1.0121	1.0004	1.0059
1996	1.9910	1.2577	1.1546	1.1854	1.1265	1.0335	1.0317	1.0344	1.0405	0.9901	0.9935	1.0077	1.0001	0.9998	1.0044	1.0000	1.0049
1997	1.2142	1.3350	1.2713	1.2103	1.0714	1.0229	1.0390	1.0443	1.0208	0.9895	1.0033	1.0040	1.0005	1.0036	1.0000	1.0008	1.0026
1998	1.7471	1.3095	1.2632	1.1114	1.0607	1.0307	1.0643	1.0611	1.0087	0.9915	1.0094	0.9971	1.0013	0.9996	1.0005	1.0230	1.0018
1999	1.5338	1.3666	1.2114	1.1155	1.0823	1.0943	1.0881	1.0334	1.0253	0.9960	0.9974	1.0374	0.9983	1.0015	1.0013	1.0000	1.0000
2000	1.4679	1.2485	1.1640	1.1450	1.2108	1.1238	1.0786	1.0645	1.0254	1.0455	0.9995	1.0005	0.9992	0.9999	1.0000	1.0202	1.0000
2001	1.4414	1.2633	1.1954	1.2105	1.1332	1.0956	1.0761	1.0398	1.0211	1.0092	1.0005	1.0059	1.0000	1.0000	0.9992	1.0000	1.0000
2002	1.5960	1.2369	1.2867	1.1987	1.1537	1.0868	1.0774	1.0369	1.0214	0.9998	1.0816	0.9994	1.0001	1.0003	1.0021	1.0000	0.9788
2003	1.3065	1.2720	1.2452	1.1799	1.1844	1.0894	1.0768	1.0371	1.0056	0.9942	0.9981	1.0004	0.9988	1.0129	1.0000	1.0020	0.9998
2004	1.3881	1.2775	1.2031	1.2834	1.1423	1.1137	1.0674	1.0328	1.0038	1.0303	0.9976	0.9988	0.9969	1.0000	0.9999	1.0000	1.0000
2005	1.3190	1.3137	1.3447	1.1526	1.1826	1.0898	1.0543	1.0842	0.9885	1.0013	0.9987	1.0137	1.0001	0.9995	1.0000	1.0000	1.0089
2006	1.3552	1.4628	1.1618	1.1417	1.2214	1.1155	1.1275	1.0015	1.0019	1.0034	1.0060	1.0387	0.9984	1.0011	1.0000	0.9994	
2007	1.3375	1.1688	1.1793	1.1975	1.1259	1.2245	0.9951	1.0110	0.9951	0.9951	0.9975	0.9999	1.0000	1.0010	1.0000		
2008	1.4642	1.2133	1.1808	1.1880	1.4731	1.0056	1.0207	0.9959	1.0170	1.1164	0.9578	0.9825	1.0139	1.0001			
2009	1.2916	1.1965	1.2740	1.6816	1.0247	1.0144	1.0059	0.9963	0.9944	1.0139	0.9971	0.9987	0.9893				
2010	1.4113	1.3517	1.9679	0.9934	1.0318	1.0167	0.9931	0.9996	0.9963	1.0209	0.9946	1.0000					
2011	1.2116	2.4449	1.0015	1.0231	1.0477	0.9709	0.9763	0.9917	1.0246	0.9654	1.0008						
2012	2.5459	1.0850	1.2697	1.1474	1.0470	0.9845	1.0028	0.9859	1.0011	1.0141							
2013	1.3432	1.3266	1.4029	1.1184	1.0071	0.9830	0.9875	0.9963	1.0456								
2014	1.6279	1.8454	1.1828	0.9879	0.9790	1.0117	0.9837	0.9907									
2015	1.8037	1.3913	1.1063	1.0565	0.9573	0.9708	0.9966										
2016	1.7564	1.3119	1.1952	0.9828	0.9630	0.9909											
2017	1.4174	1.4180	1.2389	1.0519	1.0487												
2018	1.2290	1.4431	1.1562	1.0419													
2019	1.7035	1.3028	1.0297														
2020	1.4492	1.3235															
2021	1.6209																
VOL WTD 3	1.5842	1.3568	1.1484	1.0246	0.9901	0.9915	0.9890	0.9909	1.0235	1.0013	0.9974	0.9936	1.0017	1.0007	1.0000	0.9998	1.0026
VOL WTD 5	1.4667	1.3589	1.1487	1.0228	0.9913	0.9882	0.9895	0.9928	1.0127	1.0260	0.9890	1.0048	1.0006	1.0004	1.0000	1.0003	0.9972
VOL WTD ALL	1.5064	1.3615	1.2247	1.1289	1.0824	1.0518	1.0381	1.0276	1.0073	1.0068	1.0011	1.0054	1.0016	1.0015	1.0010	1.0043	0.9995
ARITH 3	1.5912	1.3565	1.1416	1.0255	0.9897	0.9911	0.9893	0.9910	1.0238	1.0001	0.9975	0.9938	1.0011	1.0007	1.0000	0.9998	1.0029
ARITH 5	1.4840	1.3598	1.1453	1.0242	0.9910	0.9881	0.9894	0.9928	1.0124	1.0261	0.9896	1.0040	1.0004	1.0003	1.0000	1.0003	0.9975
ARITH ALL	1.5221	1.3691	1.2366	1.1476	1.0945	1.0540	1.0382	1.0270	1.0071	1.0071	1.0008	1.0053	1.0014	1.0018	1.0011	1.0042	0.9998
EXCL. HI - LO	1.4923	1.3361	1.2159	1.1322	1.0844	1.0504	1.0370	1.0263	1.0140	1.0043	0.9991	1.0048	1.0012	1.0010	1.0007	1.0034	1.0004
INSUR INDUS	1.6480	1.2030	1.0640	1.0200	1.0130	1.0080	1.0040	1.0020	1.0020	1.0030	1.0000	1.0000	0.9990	1.0000	1.0010	1.0010	0.9990
SELECTED	1.4667	1.3589	1.1677	1.0494	1.0140	1.0060	1.0040	1.0030	1.0025	1.0019	1.0010	1.0010	1.0008	1.0008	1.0008	1.0008	1.0008
CUM SEL'D	2.5540	1.7413	1.2814	1.0974	1.0457	1.0313	1.0251	1.0210	1.0180	1.0154	1.0135	1.0125	1.0115	1.0107	1.0099	1.0092	1.0084
L'T YR SEL'D	1.4250	1.3850	1.1785	1.0525	1.0100	1.0080	1.0050	1.0035	1.0025	1.0019	1.0010	1.0010	1.0008	1.0008	1.0008	1.0008	1.0008
EXP % REP'TD	39.2%	57.4%	78.0%	91.1%	95.6%	97.0%	97.6%	97.9%	98.2%	98.5%	98.7%	98.8%	98.9%	98.9%	99.0%	99.1%	99.2%

NOTES: BASED ON EXHIBIT WC IND-13.

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - INDEMNITY

AGE - TO - AGE INCURRED LOSS DEVELOPMENT FACTORS

Accident Period Ending 6/30	MONTHS FROM / TO																		
	216	228	240	252	264	276	288	300	312	324	336	348	360	372	384	396	408	420	432
	228	240	252	264	276	288	300	312	324	336	348	360	372	384	396	408	420	432	444
1987	1.0348	1.0000	0.9992	1.0000	1.0000	1.0000	1.0000	1.0000	1.0041	0.9778	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
1988	0.9870	0.9988	1.0000	1.0000	1.0039	1.0000	0.9934	1.0000	1.0000	1.0000	1.0020	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0016	1.0000
1989	0.9998	1.0000	1.0000	1.0000	1.0000	1.0060	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
1990	0.9997	1.0000	1.0000	1.0000	1.0033	1.0252	1.0024	1.0000	1.0000	1.0130	1.0000	1.0000	1.0003	0.9876	0.9907				
1991	1.0201	1.0007	1.0000	1.0000	1.0035	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0009	0.9994	1.0000					
1992	0.9768	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0003	0.9997	1.0000						
1993	1.0000	1.0000	1.0022	1.0000	1.0003	1.0000	1.0000	1.0000	1.0000	1.0007	1.0000	1.0003							
1994	1.0000	1.0051	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0013	1.0000	1.0005							
1995	1.0076	1.0076	1.0000	1.0010	1.0150	0.9999	1.0000	1.0004	0.9999	1.0074									
1996	1.0024	1.0011	1.0027	1.0000	1.0000	0.9998	1.0005	0.9996	1.0000										
1997	1.0000	1.0000	1.0000	0.9980	1.0000	1.0004	0.9998	1.0000											
1998	1.0018	1.0000	1.0000	0.9996	1.0012	0.9988	1.0000												
1999	1.0162	0.9997	0.9840	1.0005	0.9996	1.0008													
2000	1.0000	1.0000	1.0000	1.0000	1.0000														
2001	1.0000	1.0000	0.9997	1.0000															
2002	1.0000	1.0000	1.0016																
2003	0.9978	1.0000																	
2004	1.0000																		
2005																			
2006																			
2007																			
2008																			
2009																			
2010																			
2011																			
2012																			
2013																			
2014																			
2015																			
2016																			
2017																			
2018																			
2019																			
2020																			
2021																			
VOL WTD 3	0.9992	1.0000	1.0004	1.0001	1.0003	0.9999	1.0001	1.0000	1.0005	1.0024	1.0003	1.0003	0.9999	0.9954	0.9963	1.0000			<u>TAIL</u>
VOL WTD 5	0.9996	1.0000	0.9977	0.9996	1.0002	0.9999	1.0000	1.0000	1.0003	1.0015	1.0002	1.0002	0.9999	0.9969					
VOL WTD ALL	1.0015	1.0008	0.9995	0.9999	1.0019	1.0026	0.9998	1.0000	1.0004	1.0008	1.0003	1.0001	1.0000	0.9969	0.9970	1.0000	1.0009	1.0000	
ARITH 3	0.9993	1.0000	1.0005	1.0002	1.0003	1.0000	1.0001	1.0000	1.0004	1.0027	1.0002	1.0003	0.9999	0.9959	0.9969	1.0000			
ARITH 5	0.9996	0.9999	0.9971	0.9996	1.0002	0.9999	1.0001	1.0000	1.0003	1.0016	1.0001	1.0002	0.9999	0.9975					
ARITH ALL	1.0025	1.0008	0.9993	0.9999	1.0019	1.0024	0.9997	1.0000	1.0005	0.9999	1.0003	1.0001	1.0000	0.9975	0.9977	1.0000	1.0008	1.0000	
EXCL. HI - LO	1.0020	1.0004	1.0002	1.0000	1.0010	1.0006	1.0000	1.0000	1.0002	1.0011	1.0001	1.0001	1.0000	1.0000	1.0000	1.0000			
INSUR INDUS	1.0020	1.0006	1.0005	1.0005	1.0004	1.0004	1.0004	1.0003	1.0003	1.0003	1.0002	1.0002	1.0002	1.0002	1.0002	1.0001	1.0001	1.0001	1.0010
SELECTED	1.0008	1.0008	1.0006	1.0005	1.0005	1.0004	1.0004	1.0003	1.0003	1.0003	1.0002	1.0002	1.0002	1.0002	1.0001	1.0001	1.0001	1.0001	1.0015
CUM SEL'D	1.0076	1.0069	1.0061	1.0055	1.0050	1.0046	1.0041	1.0038	1.0034	1.0031	1.0028	1.0026	1.0024	1.0022	1.0020	1.0018	1.0017	1.0015	1.0015
L'T YR SEL'D	1.0008	1.0008	1.0006	1.0005	1.0005	1.0004	1.0004	1.0003	1.0003	1.0003	1.0002	1.0002	1.0002	1.0002	1.0002	1.0001	1.0001	1.0015	
EXP % REP'TD	99.2%	99.3%	99.4%	99.4%	99.5%	99.5%	99.6%	99.6%	99.7%	99.7%	99.7%	99.7%	99.8%	99.8%	99.8%	99.8%	99.8%	99.8%	99.9%

NOTES: BASED ON EXHIBIT WC IND-13.

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - INDEMNITY

INCURRED LOSS DEVELOPMENT

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204
1987										13,016	12,591	12,095	11,883	11,853	12,124	12,080	12,089
1988									17,447	13,919	14,050	14,664	14,726	14,778	14,725	14,761	14,900
1989								16,926	16,883	17,182	17,247	16,956	16,843	16,850	16,847	16,790	16,781
1990							17,314	18,360	18,866	19,282	19,714	19,789	20,131	20,105	20,117	20,293	
1991						15,555	16,618	17,594	18,120	18,461	18,917	18,730	18,737	18,769	18,795	18,970	18,986
1992					15,922	17,008	18,546	19,517	20,319	21,332	21,000	20,884	21,235	21,204	21,203	21,203	21,603
1993				13,775	16,611	17,318	17,982	18,519	19,577	19,636	19,611	19,618	19,836	20,115	20,130	20,120	20,120
1994			12,186	15,702	18,133	18,521	19,574	20,843	22,072	22,386	22,211	22,039	21,944	21,974	21,980	21,941	21,941
1995		7,489	10,711	12,608	13,506	14,177	15,335	15,900	16,322	16,628	16,729	16,710	17,280	17,306	17,306	17,516	17,524
1996	3,781	7,529	9,469	10,933	12,960	14,600	15,089	15,567	16,102	16,754	16,589	16,481	16,608	16,609	16,605	16,679	16,679
1997	5,846	7,098	9,476	12,046	14,580	15,621	15,978	16,601	17,336	17,696	17,511	17,568	17,638	17,647	17,711	17,711	17,726
1998	4,796	8,379	10,972	13,861	15,404	16,339	16,841	17,923	19,017	19,182	19,018	19,196	19,141	19,166	19,159	19,168	19,608
1999	3,858	5,917	8,086	9,796	10,927	11,827	12,942	14,082	14,552	14,919	14,860	14,822	15,376	15,350	15,373	15,393	15,393
2000	4,399	6,458	8,063	9,385	10,746	13,011	14,622	15,771	16,789	17,215	17,997	17,988	17,997	17,983	17,981	17,982	18,346
2001	6,422	9,256	11,694	13,978	16,921	19,174	21,008	22,607	23,506	24,002	24,222	24,235	24,379	24,378	24,378	24,358	24,358
2002	4,300	6,862	8,488	10,921	13,092	15,103	16,414	17,685	18,337	18,729	18,725	20,252	20,241	20,242	20,248	20,291	20,291
2003	5,864	7,661	9,744	12,133	14,316	16,956	18,472	19,891	20,629	20,744	20,625	20,585	20,594	20,570	20,834	20,834	20,875
2004	4,785	6,642	8,485	10,209	13,102	14,967	16,669	17,792	18,376	18,445	19,003	18,957	18,934	18,875	18,875	18,874	18,874
2005	4,350	5,738	7,538	10,136	11,683	13,816	15,056	15,874	17,210	17,012	17,033	17,011	17,244	17,246	17,238	17,238	17,238
2006	4,546	6,161	9,013	10,471	11,954	14,601	16,288	18,364	18,392	18,428	18,490	18,601	19,320	19,289	19,310	19,310	19,298
2007	5,949	7,957	9,300	10,967	13,134	14,787	18,106	18,017	18,214	18,125	18,036	17,991	17,990	17,990	18,008	18,008	
2008	4,132	6,050	7,341	8,668	10,298	15,171	15,256	15,572	15,507	15,772	17,607	16,864	16,570	16,800	16,801		
2009	4,047	5,227	6,254	7,968	13,399	13,730	13,928	14,010	13,958	13,880	14,072	14,032	14,014	13,865			
2010	4,499	6,350	8,583	16,891	16,779	17,313	17,602	17,480	17,473	17,409	17,772	17,676	17,676				
2011	5,159	6,250	15,282	15,304	15,659	16,405	15,928	15,551	15,422	15,803	15,256	15,269					
2012	4,291	10,923	11,852	15,049	17,267	18,079	17,798	17,848	17,595	17,614	17,862						
2013	6,240	8,381	11,118	15,597	17,445	17,568	17,269	17,053	16,991	17,765							
2014	5,013	8,161	15,061	17,814	17,599	17,228	17,429	17,146	16,985								
2015	5,781	10,426	14,506	16,048	16,954	16,231	15,757	15,703									
2016	5,840	10,258	13,457	16,084	15,807	15,223	15,084										
2017	6,400	9,071	12,862	15,935	16,761	17,578											
2018	6,777	8,329	12,019	13,896	14,479												
2019	4,774	8,132	10,594	10,909													
2020	5,792	8,393	11,109														
2021	5,823	9,439															
2022	5,912																

NOTES: DATA BASED ON INFORMATION PROVIDED BY DHRM.
DATA IS GROSS OF RECOVERIES.
ALL DOLLARS ARE IN THOUSANDS.

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - INDEMNITY

INCURRED LOSS DEVELOPMENT

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																		
	216	228	240	252	264	276	288	300	312	324	336	348	360	372	384	396	408	420	
1987	12,130	12,552	12,552	12,542	12,542	12,542	12,542	12,542	12,542	12,593	12,314	12,314	12,314	12,314	12,314	12,314	12,314	12,314	12,314
1988	15,015	14,820	14,801	14,801	14,801	14,858	14,858	14,760	14,760	14,760	14,760	14,790	14,790	14,790	14,790	14,790	14,790	14,790	14,814
1989	16,551	16,547	16,547	16,547	16,547	16,547	16,646	16,646	16,646	16,646	16,646	16,646	16,646	16,646	16,646	16,646	16,646	16,646	16,646
1990	20,293	20,287	20,287	20,287	20,287	20,353	20,866	20,917	20,917	20,917	21,188	21,188	21,188	21,188	21,195	20,933	20,739		
1991	19,003	19,385	19,398	19,398	19,398	19,466	19,467	19,467	19,467	19,467	19,466	19,466	19,485	19,473	19,473				
1992	21,603	21,103	21,103	21,103	21,103	21,103	21,103	21,103	21,103	21,103	21,103	21,103	21,109	21,103	21,103				
1993	20,007	20,007	20,007	20,051	20,051	20,057	20,057	20,057	20,057	20,057	20,070	20,070	20,077						
1994	21,941	21,941	22,053	22,053	22,053	22,053	22,053	22,053	22,053	22,053	22,081	22,092							
1995	17,627	17,761	17,897	17,897	17,914	18,183	18,182	18,182	18,188	18,187	18,321								
1996	16,761	16,802	16,821	16,866	16,866	16,866	16,862	16,870	16,864	16,864									
1997	17,772	17,772	17,772	17,772	17,737	17,737	17,743	17,740	17,740										
1998	19,644	19,679	19,679	19,679	19,672	19,696	19,673	19,673											
1999	15,393	15,643	15,639	15,389	15,397	15,390	15,403												
2000	18,346	18,346	18,346	18,346	18,346	18,346													
2001	24,357	24,357	24,357	24,351	24,351														
2002	19,860	19,860	19,860	19,892															
2003	20,871	20,825	20,825																
2004	18,874	18,874																	
2005	17,392																		
2006																			
2007																			
2008																			
2009																			
2010																			
2011																			
2012																			
2013																			
2014																			
2015																			
2016																			
2017																			
2018																			
2019																			
2020																			
2021																			
2022																			

NOTES: DATA BASED ON INFORMATION PROVIDED BY DHRM.
DATA IS GROSS OF RECOVERIES.
ALL DOLLARS ARE IN THOUSANDS.

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - INDEMNITY

AGE - TO - AGE PAID LOSS DEVELOPMENT FACTORS

Accident Period Ending 6/30	MONTHS FROM / TO																
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204
1987	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204	216
1987										1.0301	1.0130	1.0012	1.0030	1.0182	1.0062	1.0044	1.0046
1988								1.0843	1.0576	1.0325	1.0383	1.0123	1.0052	1.0069	1.0071	1.0084	0.9991
1989								1.0793	1.0793	1.0330	1.0115	1.0067	1.0054	1.0025	1.0018	1.0006	0.9925
1990							1.1254	1.1032	1.0908	1.0483	1.0225	1.0120	1.0082	1.0039	1.0035	1.0137	1.0038
1991						1.1322	1.1172	1.1000	1.0865	1.0418	1.0158	1.0090	1.0023	1.0038	1.0052	1.0018	1.0027
1992					1.1393	1.1305	1.1124	1.1011	1.0843	1.0412	1.0141	1.0063	1.0024	1.0011	1.0007	1.0068	1.0007
1993				1.1733	1.1838	1.1212	1.1054	1.0818	1.0731	1.0375	1.0156	1.0143	1.0069	1.0029	1.0007	0.9947	1.0006
1994			1.2436	1.2485	1.1506	1.1299	1.1101	1.1005	1.0818	1.0468	1.0181	1.0081	1.0030	1.0017	1.0008	1.0008	1.0008
1995		1.3953	1.2856	1.1692	1.1402	1.1162	1.1063	1.0920	1.0772	1.0357	1.0105	1.0059	1.0037	1.0037	1.0037	1.0037	1.0038
1996	2.4258	1.4141	1.2447	1.1942	1.1496	1.1284	1.1141	1.0974	1.0855	1.0371	1.0135	1.0120	1.0072	1.0029	1.0030	1.0036	1.0019
1997	1.9943	1.4437	1.2882	1.2109	1.1648	1.1393	1.1120	1.1090	1.0924	1.0349	1.0146	1.0081	1.0049	1.0018	1.0010	1.0007	1.0026
1998	2.2980	1.5214	1.2845	1.2037	1.1563	1.1195	1.1151	1.0957	1.0830	1.0403	1.0104	1.0082	1.0036	1.0021	1.0021	1.0033	1.0021
1999	2.5967	1.4549	1.2929	1.1841	1.1353	1.1272	1.1037	1.0866	1.0714	1.0311	1.0094	1.0073	1.0019	1.0024	1.0086	1.0012	1.0012
2000	2.4504	1.4802	1.2934	1.2102	1.1692	1.1331	1.1176	1.1066	1.0889	1.0460	1.0139	1.0068	1.0044	1.0037	1.0017	1.0018	1.0017
2001	2.9320	1.5727	1.3348	1.2516	1.1696	1.1347	1.1131	1.1040	1.0854	1.0417	1.0150	1.0072	1.0024	1.0020	1.0015	1.0013	1.0006
2002	2.5336	1.5052	1.2963	1.1923	1.1614	1.1271	1.1114	1.0924	1.0780	1.0319	1.0117	1.0048	1.0040	1.0047	1.0036	1.0028	1.0018
2003	2.5252	1.4955	1.2886	1.1996	1.1705	1.1404	1.1175	1.0995	1.0888	1.0402	1.0106	1.0047	1.0027	1.0022	1.0018	1.0018	1.0009
2004	2.4633	1.4409	1.2983	1.2086	1.1550	1.1290	1.1100	1.1044	1.0871	1.0348	1.0120	1.0032	1.0035	1.0010	1.0010	1.0010	1.0010
2005	2.4206	1.4596	1.2941	1.2312	1.1595	1.1257	1.1091	1.1066	1.0876	1.0366	1.0113	1.0046	1.0030	1.0019	1.0015	1.0015	1.0016
2006	2.4406	1.4698	1.2986	1.2117	1.1634	1.1507	1.1171	1.0995	1.0891	1.0399	1.0143	1.0250	1.0023	1.0028	1.0022	1.0023	
2007	2.4824	1.5799	1.2795	1.1963	1.1563	1.1306	1.1033	1.0954	1.0820	1.0299	1.0035	1.0010	1.0000	1.0010	1.0000		
2008	2.6158	1.4277	1.2861	1.1913	1.1473	1.1147	1.1115	1.0975	1.0835	1.0425	1.0458	1.0091	1.0063	1.0042			
2009	2.3455	1.4131	1.2512	1.2034	1.1482	1.1272	1.1122	1.1045	1.0804	1.0387	1.0134	1.0046	1.0023				
2010	2.5297	1.4330	1.2881	1.1976	1.1598	1.1400	1.1229	1.0944	1.0776	1.0232	1.0051	1.0013					
2011	2.4388	1.4171	1.2604	1.1929	1.1549	1.1452	1.0937	1.0727	1.0603	1.0226	1.0076						
2012	2.6330	1.4517	1.2808	1.2278	1.1955	1.1382	1.1028	1.0881	1.0892	1.0317							
2013	2.4857	1.4254	1.3278	1.2380	1.1459	1.1183	1.0798	1.0703	1.0674								
2014	2.2464	1.4524	1.3156	1.1915	1.1321	1.1221	1.0810	1.0597									
2015	2.3302	1.4350	1.2458	1.1748	1.1297	1.0954	1.0773										
2016	2.3270	1.4462	1.2867	1.2589	1.1151	1.0674											
2017	2.1239	1.4159	1.3388	1.2374	1.1147												
2018	2.0610	1.3957	1.3177	1.1771													
2019	2.2304	1.3706	1.2650														
2020	1.9977	1.3790															
2021	2.3493																
VOL WTD 3	2.1871	1.3822	1.3100	1.2254	1.1197	1.0954	1.0794	1.0725	1.0727	1.0260	1.0084	1.0049	1.0028	1.0026	1.0012	1.0016	1.0011
VOL WTD 5	2.1477	1.4027	1.2908	1.2078	1.1274	1.1083	1.0867	1.0770	1.0751	1.0313	1.0144	1.0084	1.0027	1.0022	1.0013	1.0019	1.0011
VOL WTD ALL	2.3779	1.4509	1.2885	1.2073	1.1526	1.1263	1.1078	1.0942	1.0815	1.0369	1.0146	1.0077	1.0038	1.0032	1.0025	1.0027	1.0012
ARITH 3	2.1925	1.3817	1.3072	1.2244	1.1198	1.0950	1.0794	1.0727	1.0723	1.0258	1.0087	1.0050	1.0029	1.0027	1.0012	1.0016	1.0012
ARITH 5	2.1524	1.4014	1.2908	1.2079	1.1275	1.1083	1.0869	1.0770	1.0750	1.0317	1.0151	1.0082	1.0028	1.0022	1.0013	1.0019	1.0012
ARITH ALL	2.3953	1.4498	1.2880	1.2068	1.1526	1.1263	1.1078	1.0941	1.0811	1.0365	1.0149	1.0077	1.0038	1.0035	1.0027	1.0028	1.0013
EXCL. HI - LO	2.3896	1.4477	1.2877	1.2062	1.1524	1.1277	1.1083	1.0949	1.0816	1.0366	1.0140	1.0072	1.0038	1.0029	1.0026	1.0027	1.0016
INSUR INDUS	3.1190	1.5210	1.1980	1.0830	1.0460	1.0270	1.0190	1.0150	1.0110	1.0070	1.0050	1.0040	1.0030	1.0020	1.0010	1.0020	1.0010
SELECTED	2.2053	1.4027	1.2902	1.2073	1.1274	1.1119	1.0867	1.0804	1.0767	1.0313	1.0144	1.0079	1.0038	1.0032	1.0030	1.0027	1.0023
CUM SEL'D	8.3716	3.7962	2.7063	2.0976	1.7374	1.5410	1.3860	1.2754	1.1804	1.0964	1.0631	1.0480	1.0398	1.0358	1.0325	1.0294	1.0266
L'T YR SEL'D	2.1952	1.4155	1.3050	1.2117	1.1307	1.1184	1.1000	1.0900	1.0820	1.0356	1.0154	1.0086	1.0039	1.0032	1.0030	1.0027	1.0023
EXP % PAID	11.9%	26.3%	37.0%	47.7%	57.6%	64.9%	72.2%	78.4%	84.7%	91.2%	94.1%	95.4%	96.2%	96.5%	96.8%	97.1%	97.4%

NOTES: BASED ON EXHIBIT WC IND-15.

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - INDEMNITY

AGE - TO - AGE PAID LOSS DEVELOPMENT FACTORS

Accident Period Ending 6/30	MONTHS FROM / TO																		
	216	228	240	252	264	276	288	300	312	324	336	348	360	372	384	396	408	420	432
1987	1.0096	1.0010	1.0009	1.0010	1.0010	1.0010	1.0010	1.0010	1.0010	1.0010	1.0003	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
1988	1.0037	1.0014	1.0012	1.0012	1.0012	1.0012	0.9943	1.0012	1.0011	1.0012	1.0012	1.0012	1.0012	1.0012	1.0014	1.0011	1.0011	1.0011	1.0012
1989	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0060	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
1990	1.0033	1.0032	1.0027	1.0028	1.0035	1.0030	1.0029	1.0031	1.0030	1.0047	1.0037	1.0037	1.0037	1.0037	1.0023	1.0014			
1991	1.0018	1.0018	1.0018	1.0018	1.0019	1.0008	1.0007	1.0006	1.0005	1.0006	1.0006	1.0006	1.0006	1.0006	1.0008				
1992	1.0007	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000					
1993	1.0004	0.9997	1.0005	1.0005	1.0005	1.0005	1.0005	1.0005	1.0005	1.0005	1.0005	1.0006	1.0013						
1994	1.0005	1.0009	1.0005	1.0008	1.0008	1.0008	1.0007	1.0008	1.0008	1.0008	1.0008	1.0008	1.0010						
1995	1.0065	1.0045	1.0038	1.0036	1.0031	1.0031	1.0032	1.0033	1.0033	1.0033									
1996	1.0034	1.0021	1.0024	1.0014	1.0014	1.0001	1.0000	1.0000	1.0000										
1997	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0001	1.0000											
1998	1.0021	1.0021	1.0021	1.0021	1.0021	1.0022	1.0022												
1999	1.0012	1.0011	1.0012	1.0012	1.0011	1.0020													
2000	1.0017	1.0018	1.0018	1.0018	1.0019														
2001	1.0000	0.9997	1.0000	1.0000															
2002	1.0018	1.0018	1.0018																
2003	1.0109	1.0000																	
2004	1.0010																		
2005																			
2006																			
2007																			
2008																			
2009																			
2010																			
2011																			
2012																			
2013																			
2014																			
2015																			
2016																			
2017																			
2018																			
2019																			
2020																			
2021																			
																			<u>TAIL</u>
VOL WTD 3	1.0048	1.0004	1.0011	1.0009	1.0018	1.0014	1.0008	1.0011	1.0013	1.0014	1.0005	1.0006	1.0015	1.0011	1.0009	1.0004			
VOL WTD 5	1.0031	1.0008	1.0013	1.0010	1.0013	1.0015	1.0012	1.0009	1.0009	1.0010	1.0012	1.0011	1.0011	1.0010					
VOL WTD ALL	1.0025	1.0012	1.0013	1.0012	1.0013	1.0015	1.0006	1.0009	1.0010	1.0013	1.0009	1.0010	1.0010	1.0010	1.0007	1.0004	1.0006	1.0000	
ARITH 3	1.0046	1.0005	1.0012	1.0010	1.0017	1.0014	1.0008	1.0011	1.0014	1.0015	1.0005	1.0006	1.0015	1.0010	1.0009	1.0004			
ARITH 5	1.0031	1.0009	1.0014	1.0010	1.0013	1.0015	1.0012	1.0009	1.0009	1.0010	1.0012	1.0011	1.0011	1.0009					
ARITH ALL	1.0027	1.0012	1.0013	1.0012	1.0013	1.0016	1.0005	1.0010	1.0010	1.0013	1.0009	1.0010	1.0009	1.0009	1.0006	1.0004	1.0006	1.0000	
EXCL. HI - LO	1.0024	1.0011	1.0012	1.0011	1.0013	1.0013	1.0008	1.0009	1.0010	1.0006	1.0006	1.0004	1.0007	1.0006	1.0000				
INSUR INDUS	1.0010	1.0015	1.0014	1.0013	1.0012	1.0011	1.0010	1.0009	1.0009	1.0008	1.0007	1.0007	1.0006	1.0006	1.0005	1.0005	1.0005	1.0004	1.0051
SELECTED	1.0021	1.0019	1.0019	1.0019	1.0018	1.0016	1.0015	1.0013	1.0011	1.0010	1.0010	1.0010	1.0010	1.0010	1.0005	1.0002	1.0002	1.0002	1.0028
CUM SEL'D	1.0242	1.0220	1.0201	1.0181	1.0161	1.0143	1.0127	1.0112	1.0100	1.0089	1.0079	1.0069	1.0059	1.0050	1.0040	1.0035	1.0032	1.0030	1.0028
L'T YR SEL'D	1.0021	1.0019	1.0019	1.0019	1.0018	1.0016	1.0015	1.0013	1.0011	1.0010	1.0010	1.0010	1.0010	1.0010	1.0005	1.0002	1.0002	1.0030	
EXP % PAID	97.6%	97.8%	98.0%	98.2%	98.4%	98.6%	98.7%	98.9%	99.0%	99.1%	99.2%	99.3%	99.4%	99.5%	99.6%	99.7%	99.7%	99.7%	99.7%

NOTES: BASED ON EXHIBIT WC IND-15.

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - INDEMNITY

PAID LOSS DEVELOPMENT

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204
1987																	
1988																	
1989									12,139	12,838	13,256	13,763	13,933	14,005	14,102	14,202	14,321
1990								13,405	14,535	15,688	16,205	16,392	16,502	16,592	16,633	16,662	16,672
1991								12,838	14,448	15,940	17,387	18,227	18,637	18,861	19,016	19,158	19,420
1992					11,471			11,539	13,064	14,595	16,054	17,443	18,171	18,459	18,624	18,667	18,739
1993				9,219	10,816	12,805	14,357	15,869	17,168	18,422	19,114	19,412	19,689	19,825	19,883	19,897	19,792
1994			7,443	9,256	11,557	13,297	15,024	16,677	18,353	19,854	20,784	21,159	21,331	21,395	21,431	21,448	21,465
1995		4,558	6,360	8,176	9,559	10,899	12,165	13,459	14,698	15,832	16,396	16,568	16,666	16,727	16,788	16,850	16,912
1996	1,753	4,253	6,014	7,485	8,939	10,276	11,595	12,919	14,177	15,389	15,960	16,176	16,370	16,488	16,536	16,586	16,646
1997	2,064	4,116	5,943	7,655	9,270	10,797	12,302	13,679	15,171	16,572	17,151	17,401	17,542	17,629	17,661	17,679	17,691
1998	1,927	4,428	6,736	8,653	10,416	12,044	13,484	15,036	16,476	17,843	18,562	18,756	18,910	18,977	19,017	19,056	19,119
1999	1,484	3,853	5,606	7,248	8,583	9,744	10,983	12,123	13,173	14,113	14,552	14,689	14,796	14,824	14,860	14,987	15,005
2000	1,596	3,912	5,790	7,489	9,064	10,598	12,008	13,420	14,851	16,170	16,915	17,150	17,266	17,341	17,405	17,435	17,465
2001	1,664	4,880	7,674	10,244	12,821	14,995	17,015	18,939	20,909	22,696	23,641	23,995	24,169	24,226	24,273	24,311	24,342
2002	1,769	4,483	6,748	8,747	10,429	12,112	13,651	15,172	16,573	17,866	18,436	18,652	18,741	18,816	18,905	18,972	19,026
2003	1,854	4,681	7,001	9,021	10,821	12,667	14,445	16,142	17,749	19,325	20,101	20,313	20,408	20,463	20,507	20,543	20,581
2004	1,799	4,430	6,384	8,288	10,018	11,571	13,063	14,499	16,012	17,407	18,012	18,228	18,286	18,350	18,368	18,385	18,403
2005	1,623	3,929	5,735	7,422	9,138	10,595	11,927	13,228	14,639	15,921	16,504	16,689	16,766	16,817	16,849	16,874	16,899
2006	1,697	4,142	6,088	7,906	9,580	11,146	12,825	14,327	15,753	17,156	17,840	18,095	18,546	18,589	18,642	18,683	18,726
2007	1,695	4,207	6,646	8,504	10,173	11,763	13,299	14,672	16,071	17,389	17,909	17,971	17,990	17,990	18,008	18,008	
2008	1,491	3,901	5,570	7,163	8,534	9,790	10,913	12,130	13,312	14,424	15,038	15,726	15,870	15,970	16,037		
2009	1,526	3,578	5,057	6,327	7,614	8,743	9,855	10,961	12,107	13,080	13,586	13,768	13,831	13,863			
2010	1,720	4,351	6,235	8,031	9,618	11,155	12,716	14,279	15,627	16,840	17,231	17,319	17,341				
2011	1,723	4,202	5,955	7,505	8,953	10,339	11,841	12,951	13,892	14,729	15,062	15,176					
2012	1,582	4,165	6,046	7,744	9,508	11,366	12,937	14,267	15,523	16,908	17,443						
2013	1,789	4,446	6,338	8,415	10,417	11,937	13,349	14,414	15,428	16,467							
2014	2,119	4,760	6,913	9,095	10,837	12,268	13,766	14,881	15,770								
2015	2,099	4,890	7,018	8,743	10,271	11,603	12,710	13,692									
2016	1,924	4,477	6,474	8,331	10,487	11,694	12,482										
2017	2,165	4,598	6,510	8,715	10,784	12,022											
2018	2,100	4,328	6,040	7,959	9,368												
2019	1,697	3,785	5,188	6,563													
2020	2,167	4,329	5,969														
2021	2,077	4,879															
2022	1,938																

NOTES: DATA BASED ON INFORMATION PROVIDED BY DHRM.
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COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - INDEMNITY

PAID LOSS DEVELOPMENT

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																			
	216	228	240	252	264	276	288	300	312	324	336	348	360	372	384	396	408	420	432	
1987	12,098	12,215	12,227	12,238	12,250	12,262	12,274	12,286	12,298	12,310	12,314	12,314	12,314	12,314	12,314	12,314	12,314	12,314	12,314	12,314
1988	14,309	14,361	14,381	14,398	14,415	14,432	14,448	14,366	14,384	14,400	14,416	14,433	14,450	14,467	14,487	14,503	14,520	14,537		
1989	16,547	16,547	16,547	16,547	16,547	16,547	16,646	16,646	16,646	16,646	16,646	16,646	16,646	16,646	16,646	16,646	16,646	16,646		
1990	19,495	19,559	19,621	19,675	19,729	19,798	19,858	19,915	19,977	20,037	20,130	20,205	20,280	20,355	20,402	20,431				
1991	18,923	18,958	18,992	19,027	19,062	19,099	19,113	19,127	19,138	19,148	19,159	19,171	19,183	19,195	19,210					
1992	21,089	21,103	21,103	21,103	21,103	21,103	21,103	21,103	21,103	21,103	21,103	21,103	21,103	21,103	21,103					
1993	19,804	19,812	19,806	19,815	19,825	19,835	19,845	19,855	19,865	19,875	19,884	19,896	19,921							
1994	21,483	21,494	21,513	21,524	21,541	21,559	21,577	21,593	21,611	21,628	21,645	21,666								
1995	16,976	17,086	17,164	17,229	17,292	17,347	17,400	17,455	17,513	17,571	17,629									
1996	16,679	16,735	16,770	16,811	16,835	16,860	16,862	16,862	16,861	16,861										
1997	17,737	17,737	17,737	17,737	17,737	17,737	17,737	17,740	17,740											
1998	19,158	19,198	19,238	19,278	19,319	19,359	19,401	19,444												
1999	15,023	15,041	15,058	15,077	15,095	15,112	15,142													
2000	17,495	17,526	17,557	17,588	17,620	17,654														
2001	24,357	24,357	24,351	24,351	24,351															
2002	19,060	19,094	19,128	19,162																
2003	20,600	20,825	20,825																	
2004	18,420	18,438																		
2005	16,926																			
2006																				
2007																				
2008																				
2009																				
2010																				
2011																				
2012																				
2013																				
2014																				
2015																				
2016																				
2017																				
2018																				
2019																				
2020																				
2021																				
2022																				

NOTES: DATA BASED ON INFORMATION PROVIDED BY DHRM.
DATA IS GROSS OF RECOVERIES.
ALL DOLLARS ARE IN THOUSANDS.

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - INDEMNITY

PAID LOSSES (\$000's)

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204
1987										11,668	11,504	11,654	11,668	11,703	11,916	11,990	12,042
1988									12,139	12,838	13,256	13,763	13,933	14,005	14,102	14,202	14,321
1989								13,405	14,335	15,688	16,205	16,392	16,502	16,592	16,633	16,662	16,672
1990								14,448	15,940	17,387	18,227	18,637	18,861	19,016	19,091	19,158	19,200
1991						11,539	13,064	14,595	16,054	17,443	18,171	18,459	18,624	18,667	18,739	18,837	18,872
1992						11,471	13,068	14,773	16,433	18,094	19,620	20,427	20,715	20,846	20,895	20,917	20,932
1993				9,219	10,816	12,805	14,357	15,869	17,168	18,422	19,114	19,412	19,689	19,825	19,883	19,897	19,792
1994			7,443	9,256	11,557	13,297	15,024	16,677	18,353	19,854	20,784	21,159	21,331	21,395	21,411	21,448	21,465
1995		4,558	6,360	8,176	9,559	10,899	12,165	13,450	14,698	15,832	16,396	16,568	16,666	16,727	16,788	16,850	16,912
1996	1,753	4,253	6,014	7,485	8,939	10,276	11,595	12,919	14,177	15,389	15,960	16,176	16,370	16,488	16,536	16,586	16,646
1997	2,064	4,116	5,943	7,655	9,270	10,797	12,302	13,679	15,171	16,572	17,151	17,401	17,542	17,629	17,661	17,679	17,691
1998	1,927	4,428	6,736	8,653	10,416	12,044	13,484	15,036	16,476	17,843	18,562	18,756	18,910	18,977	19,017	19,056	19,119
1999	1,484	3,853	5,606	7,248	8,583	9,744	10,983	12,123	13,173	14,113	14,552	14,689	14,796	14,824	14,860	14,887	15,005
2000	1,596	3,912	5,790	7,489	9,064	10,598	12,008	13,420	14,851	16,170	16,915	17,150	17,266	17,341	17,405	17,435	17,465
2001	1,664	4,880	7,674	10,244	12,821	14,995	17,015	18,939	20,909	22,696	23,641	23,995	24,169	24,226	24,273	24,311	24,342
2002	1,769	4,483	6,748	8,747	10,429	12,112	13,651	15,172	16,573	17,866	18,436	18,652	18,741	18,816	18,865	18,902	18,926
2003	1,854	4,681	7,001	9,021	10,821	12,667	14,445	16,142	17,749	19,325	20,101	20,313	20,408	20,463	20,507	20,543	20,581
2004	1,799	4,430	6,384	8,298	10,018	11,571	13,063	14,499	16,012	17,407	18,012	18,228	18,286	18,350	18,368	18,385	18,403
2005	1,623	3,929	5,735	7,422	9,138	10,595	11,927	13,228	14,639	15,921	16,504	16,689	16,766	16,817	16,849	16,874	16,899
2006	1,697	4,142	6,088	7,906	9,580	11,146	12,825	14,327	15,753	17,156	17,840	18,095	18,546	18,589	18,642	18,683	18,726
2007	1,695	4,207	6,646	8,504	10,173	11,763	13,299	14,672	16,071	17,389	17,909	17,971	17,990	17,990	18,008	18,008	18,008
2008	1,491	3,901	5,570	7,163	8,534	9,790	10,913	12,130	13,322	14,424	15,038	15,276	15,870	15,970	16,037	16,037	16,037
2009	1,526	3,578	5,057	6,327	7,614	8,743	9,855	10,961	12,107	13,080	13,586	13,768	13,831	13,863	13,863	13,863	13,863
2010	1,720	4,351	6,235	8,031	9,618	11,155	12,716	14,279	15,627	16,840	17,231	17,319	17,341	17,341	17,341	17,341	17,341
2011	1,723	4,202	5,955	7,505	8,953	10,339	11,841	12,951	13,892	14,729	15,062	15,176	15,176	15,176	15,176	15,176	15,176
2012	1,582	4,165	6,046	7,744	9,508	11,396	12,937	14,267	15,523	16,908	17,443	17,443	17,443	17,443	17,443	17,443	17,443
2013	1,789	4,446	6,338	8,415	10,417	11,927	13,249	14,414	15,428	16,467	16,467	16,467	16,467	16,467	16,467	16,467	16,467
2014	1,219	4,760	6,913	9,095	10,837	12,268	13,766	14,881	15,770	16,467	16,467	16,467	16,467	16,467	16,467	16,467	16,467
2015	2,099	4,890	7,018	8,743	10,271	11,603	12,710	13,692	14,467	15,067	15,067	15,067	15,067	15,067	15,067	15,067	15,067
2016	1,924	4,477	6,474	8,331	10,487	11,694	12,482	13,067	13,692	14,267	14,267	14,267	14,267	14,267	14,267	14,267	14,267
2017	2,165	4,598	6,510	8,715	10,794	12,022	12,937	13,692	14,267	14,842	14,842	14,842	14,842	14,842	14,842	14,842	14,842
2018	2,100	4,328	6,040	7,959	9,368	10,794	12,022	12,937	13,692	14,267	14,267	14,267	14,267	14,267	14,267	14,267	14,267
2019	1,697	3,785	5,188	6,563	7,938	9,313	10,688	11,937	13,062	14,067	14,067	14,067	14,067	14,067	14,067	14,067	14,067
2020	2,167	4,329	5,969	7,614	9,259	10,904	12,549	14,194	15,839	17,484	17,484	17,484	17,484	17,484	17,484	17,484	17,484
2021	2,077	4,879	6,879	8,879	10,879	12,879	14,879	16,879	18,879	20,879	20,879	20,879	20,879	20,879	20,879	20,879	20,879
2022	1,938	4,879	6,879	8,879	10,879	12,879	14,879	16,879	18,879	20,879	20,879	20,879	20,879	20,879	20,879	20,879	20,879

NUMBER OF CLOSED LOST TIME CLAIMS

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204
1987															1,843	1,837	1,849
1988															1,900	2,049	2,063
1989															1,900	1,907	1,915
1990															2,031	2,051	2,066
1991															1,997	2,008	2,010
1992															2,082	2,091	2,133
1993															2,001	2,006	2,017
1994															2,001	2,042	2,073
1995															2,152	2,150	2,160
1996															1,957	1,964	1,971
1997															1,540	1,565	1,569
1998															1,448	1,460	1,470
1999															1,310	1,336	1,344
2000															1,111	1,120	1,121
2001															1,096	1,111	1,120
2002															1,015	1,019	1,026
2003															1,112	1,116	1,131
2004															1,112	1,116	1,131
2005															1,112	1,116	1,131
2006															1,112	1,116	1,131
2007															1,112	1,116	1,131
2008															1,112	1,116	1,131
2009															1,112	1,116	1,131
2010															1,112	1,116	1,131
2011															1,112	1,116	1,131
2012															1,112	1,116	1,131
2013															1,112	1,116	1,131
2014															1,112	1,116	1,131
2015															1,112	1,116	1,131
2016															1,112	1,116	1,131
2017															1,112	1,116	1,131
2018															1,112	1,116	1,131
2019															1,112	1,116	1,131
2020															1,112	1,116	1,131
2021															1,112	1,116	1,131
2022															1,112	1,116	1,131

AVERAGE PAID LOSS PER CLOSED LOST TIME CLAIM

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204
1987															6,350	6,529	6,527
1988															6,800	6,835	6,839
1989															6,865	6,700	6,686
1990															9,087	9,129	9,218
1991															8,974	9,087	9,129
1992															8,999	9,099	9,266
1993															9,193	9,266	9,241
1994															9,577	9,675	9,628
1995															9,675	9,628	9,651
1996															9,651	9,662	9,704

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - INDEMNITY

CASE RESERVES (\$000'S)

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204
1987									1,847	1,087	441	215	149	208	90	47	
1988								5,307	1,081	794	901	794	773	623	559	579	
1989								3,522	2,348	1,495	1,042	564	341	258	215	128	109
1994								4,476	2,983	2,420	1,480	1,055	1,077	928	1,114	1,015	959
1991						4,016	4,476	2,999	2,066	1,018	746	272	113	102	56	132	114
1992						3,940	3,773	3,084	2,225	1,712	573	169	390	309	286	271	529
1993				4,557	5,795	4,513	3,625	2,650	2,409	1,214	497	206	147	290	247	222	327
1994			4,743	6,446	6,577	5,225	4,551	4,166	3,719	2,532	1,427	880	613	579	549	493	476
1995		2,931	4,351	4,432	3,946	3,278	3,169	2,441	1,624	797	333	141	614	580	518	666	612
1996	2,028	3,276	3,455	3,448	4,021	4,324	3,493	2,649	1,925	1,365	629	305	238	121	69	93	32
1997	3,782	2,982	3,533	4,391	5,310	4,823	3,676	2,922	2,166	1,124	360	167	95	18	50	33	35
1998	2,869	3,951	4,236	5,208	4,988	4,295	3,357	2,887	2,541	1,339	456	440	231	189	142	112	489
1999	2,374	2,064	2,480	2,548	2,344	2,083	1,958	1,959	1,379	806	309	133	581	525	513	406	388
2000	2,803	2,546	2,272	1,895	1,682	2,434	2,634	2,351	1,938	1,044	1,082	838	731	642	576	547	880
2001	4,757	4,376	4,019	3,734	4,100	4,179	3,993	3,668	2,597	1,306	581	240	210	152	105	48	16
2002	2,530	2,379	1,740	2,174	2,663	2,991	2,764	2,513	1,764	863	289	1,600	1,500	1,426	1,343	1,318	1,264
2003	4,010	2,980	2,744	3,112	3,495	4,289	4,027	3,748	2,880	1,419	524	272	186	107	327	290	294
2004	2,986	2,232	2,101	1,900	3,085	3,307	3,606	3,293	2,363	1,038	991	729	648	525	507	489	471
2005	2,727	1,809	1,803	2,714	2,545	3,221	3,130	2,646	2,571	1,091	529	321	478	430	389	364	339
2006	2,849	2,019	2,925	2,564	2,374	3,455	3,462	4,037	2,639	1,272	650	506	773	699	668	627	571
2007	4,255	3,750	2,654	2,464	2,961	3,024	4,808	3,344	2,143	736	127	20	0	0	0	0	0
2008	2,641	2,149	1,771	1,505	1,764	5,380	4,343	3,441	2,195	1,347	2,570	1,138	700	831	764		
2009	2,521	1,649	1,198	1,641	5,784	4,587	4,073	3,049	1,851	800	486	264	183	2			
2010	2,779	1,999	2,348	8,860	7,161	6,158	4,885	3,202	1,846	568	541	357	335				
2011	3,436	2,048	9,327	7,799	6,706	6,066	4,087	2,600	1,531	1,073	194	93					
2012	2,709	6,758	5,806	7,305	7,759	6,713	4,862	3,581	2,072	706	418						
2013	4,451	3,935	4,781	7,183	7,027	5,631	3,920	2,640	1,564	1,298							
2014	2,894	3,401	8,147	8,719	6,762	4,960	3,663	2,264	1,216								
2015	3,682	5,536	7,488	7,305	6,683	4,628	3,047	2,010									
2016	3,916	5,781	6,983	7,754	5,320	3,529	2,602										
2017	4,235	4,473	6,352	7,219	5,977	5,596											
2018	4,677	4,001	5,979	5,937	5,110												
2019	3,076	4,346	5,406	4,347													
2020	3,625	4,065	5,139														
2021	3,746	4,559															
2022	3,974																

NUMBER OF OPEN LOST TIME CLAIMS

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204
1987														19	39	27	15
1988														38	38	28	27
1989														37	30	22	29
1990														41	38	41	43
1991										101				54	53	42	45
1992									122	90				63	39	39	47
1993								118	91	103				47	55	55	54
1994								133	108	127				75	62	56	60
1995								85	95	99				64	59	56	54
1996								87	102	108				67	70	68	66
1997					161	117	124	118	114	110				79	71	65	68
1998			257	183	146	136	128	117	111	101				78	70	63	62
1999		388	206	161	141	115	107	100	97	90				69	63	63	64
2000	585	306	201	149	124	115	104	97	96	92				69	64	56	61
2001	676	311	224	179	154	139	130	129	119	114				87	81	70	67
2002	629	304	203	151	133	121	117	110	103	89				76	63	56	59
2003	686	277	188	143	133	123	113	118	113	103				77	73	70	68
2004	714	281	178	148	122	114	113	105	97	95				74	68	61	59
2005	668	299	183	154	129	118	108	108	99	92				66	64	60	49
2006	668	275	190	166	144	134	127	116	117	109				95	91	79	71
2007	657	268	185	147	125	101	100	97	95	82				69	55	54	49
2008	581	277	174	135	105	97	92	88	92	83				67	54	55	52
2009	598	248	148	113	102	83	82	81	74	69				55	50	45	37
2010	638	259	175	140	119	116	117	100	92	79				64	45		
2011	626	235	165	127	106	99	90	75	73	60				45	40		
2012	503	219	167	139	130	111	96	94	75	71				52			
2013	518	234	159	130	110	91	83	74	67	55							
2014	501	231	160	115	96	80	71	64	58								
2015	628	210	133	108	90	74	67	63									
2016	459	191	143	106	78	62	54										
2017	440	181	134	95	76	59											
2018	436	158	112	81	61												
2019	349	135	94	63													
2020	324	129	86														
2021	280	121															
2022	302																

AVERAGE CASE RESERVE PER OPEN LOST TIME CLAIM

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204
1987														7,867	5,338	3,325	3,112
1988														20,886	20,338	22,245	20,717
1989														14,848	9,216	8,607	9,762
1990										10,082	14,654	26,258	24,433	27,182	29,844	21,319	20,297
1991										18,234	13,817	5,123	2,170	2,427	1,242	2,758	2,433
1992										19,027	8,072	2,684	9,995	7,912	7,336	5,773	11,495
1993								22,459	26,471	11,784	6,293	4,296	3,225	5,281	4,489	4,278	6,063
1994						30,073	34,215	38,573	29,283	21,641	19,030	14,193	10,948	9,819	8,321	8,219	6,997
1995						37,285	25,700	16,405	8,566	5,198	2,396	10,965	10,737	10,361	11,689	11,332	
1996						31,665	49,698	34,246	26,486	20,260	14,222	8,165	4,364	3,497	1,784	1,052	1,402
1997						45,285	38,898	31,157	25,634	19,687	10,908	4,552	2,352	1,468	264	788	527
1998						34,167	31,577	26,226	24,672	22,896	13,259	5,842	6,284	3,663	2,994	2,283	1,924
1999		5,319	12,039	15,824	16,627	18,109	18,303	15,992	14,220	8,960	3,906	1,927	9,217	8,338	8,022	6,245	6,605
2000	4,791	8,320	11,305	12,720	13,564	20,988	25,136	24,239	20,189	11,351	14,433	12,140	11,426	11,468	9,442	9,598	16,304
2001	7,038	14,072	17,944	20,863	26,623</												

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - INDEMNITY

IMPLIED OUTSTANDING LOSS (\$000's)

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																			
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204			
1987										1,146	810	661	646	611	388	324	272			
1988									2,697	1,998	1,581	1,074	904	832	735	634	516			
1989								3,241	2,111	1,716	1,025	727	450	314	256	241	346			
1990							7,939	6,329	4,838	3,390	2,550	2,140	1,916	1,761	1,687	1,619	1,357			
1991						7,984	6,459	4,928	3,469	2,080	1,352	1,064	898	856	784	686	651			
1992					9,632	8,034	6,329	4,669	3,009	1,483	675	388	257	208	186	171	28			
1993				10,920	9,322	7,333	5,782	4,269	2,970	1,716	1,025	727	450	314	256	241	346			
1994			14,726	12,913	10,613	8,873	7,146	5,492	3,816	2,315	1,385	1,010	839	774	739	721	704			
1995		13,815	12,013	10,197	8,813	7,473	6,207	4,914	3,675	2,541	1,977	1,805	1,707	1,646	1,584	1,523	1,461			
1996	15,113	12,613	10,852	9,380	7,927	6,590	5,270	3,947	2,688	1,477	905	690	496	378	330	279	219			
1997	15,676	13,623	11,797	10,084	8,470	6,942	5,438	4,060	2,569	1,167	589	339	197	111	79	61	49			
1998	17,827	15,326	13,017	11,100	9,338	7,709	6,270	4,717	3,278	1,911	1,191	997	844	776	736	697	634			
1999	13,992	11,623	9,870	8,228	6,893	5,712	4,693	3,354	2,304	1,363	924	787	680	652	617	489	471			
2000	16,833	14,518	12,639	10,940	9,366	7,832	6,422	5,010	3,579	2,359	1,515	1,279	1,163	1,088	1,024	995	964			
2001	22,687	19,472	16,677	14,108	11,531	9,356	7,337	5,412	3,443	1,656	711	357	183	126	78	41	9			
2002	18,244	15,531	13,266	11,267	9,585	7,902	6,363	4,842	3,440	2,148	1,578	1,361	1,272	1,197	1,109	1,041	987			
2003	18,971	16,144	13,825	11,804	10,004	8,158	6,380	4,683	3,076	1,500	724	512	417	362	318	282	244			
2004	17,241	14,609	12,656	10,751	9,022	7,469	5,977	4,541	3,027	1,633	1,008	811	753	690	672	655	637			
2005	15,901	13,596	11,790	10,103	8,387	6,930	5,598	4,296	2,886	1,604	1,021	835	759	708	676	651	625			
2006	17,822	15,377	13,431	11,613	9,939	8,374	6,694	5,193	3,767	2,363	1,680	1,425	973	930	877	837	793			
2007	16,314	13,802	11,362	9,505	7,836	6,246	4,710	3,336	1,937	619	99	37	18	19	0	0	0			
2008	15,558	13,148	11,480	9,886	8,516	7,239	6,137	4,919	3,737	2,625	2,012	1,323	1,180	1,080	1,000	948	888			
2009	12,340	10,287	8,809	7,538	6,251	5,122	4,010	2,904	1,758	785	279	98	34	3						
2010	16,197	13,566	11,682	9,886	8,299	6,762	5,201	3,638	2,290	1,077	687	598	576							
2011	13,838	11,359	9,607	8,056	6,608	5,222	3,720	2,610	1,669	832	499	385								
2012	16,656	14,072	12,191	10,494	8,730	6,871	5,301	3,971	2,714	1,330	794									
2013	16,251	13,993	11,702	9,624	7,622	6,102	4,690	3,426	2,612	1,572										
2014	15,570	12,929	10,775	8,593	6,852	5,421	3,923	2,807	1,919											
2015	14,468	11,676	9,549	7,824	6,295	4,964	3,857	2,875												
2016	14,231	11,678	9,680	7,824	5,688	4,461	3,673													
2017	15,908	13,475	11,563	9,358	7,289	6,051														
2018	13,663	11,435	9,723	7,804	6,395															
2019	11,965	9,877	8,474	7,099																
2020	13,171	11,009	9,369																	
2021	14,059	11,257																		
2022	13,592																			

IMPLIED NUMBER OF OPEN AND IBNR LOST TIME CLAIMS

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																				
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204				
1987															25	43	31	19			
1988															37	37	24	23	33		
1989															37	37	30	22	28	21	
1990															43	46	39	50	47	47	
1991										109					59	49	52	54	53	54	
1992									128	119					69	45	45	45	53	51	
1993									136	124	119	108	83	52	51	59	59	56	58	58	
1994									136	138	128	119	77	64	58	61	68	62	70	70	
1995									113	106	99	101	95	66	61	58	56	52	59	56	
1996									115	110	106	101	102	83	75	73	73	71	71	66	
1997									141	129	121	117	114	107	83	75	69	72	68	66	64
1998									150	138	128	117	111	101	78	70	63	62	58	55	55
1999									161	142	116	108	100	97	90	79	69	63	64	65	64
2000	1,055	334	216	155	127	117	106	99	98	98	91	76	70	65	57	62	58	54	54	54	
2001	885	360	229	179	164	139	120	120	120	119	118	114	87	81	73	70	67	60	67	60	
2002	800	325	205	151	132	120	116	109	102	88	76	64	57	60	63	59	53	53	53	53	
2003	828	286	188	141	131	123	112	117	112	102	88	76	73	70	68	56	54	54	54	54	
2004	867	300	183	149	123	114	113	105	97	95	75	74	68	61	59	56	51	51	51	51	
2005	797	313	182	153	128	117	108	108	99	92	80	66	64	60	60	49	45	45	39	39	
2006	816	295	202	168	143	134	127	116	117	109	95	91	80	73	66	60	52	52	52	52	
2007	766	279	186	149	126	102	101	98	96	83	70	56	55	50	46	45	45	45	45	45	
2008	714	291	179	134	105	97	91	88	92	83	67	54	55	52	50						
2009	736	258	147	112	102	82	82	81	74	69	55	50	44	37							
2010	742	269	174	140	118	115	116	99	92	81	78	60	63	45							
2011	744	253	167	129	111	101	92	76	74	61	46	40									
2012	597	229	166	139	129	110	96	94	75	71	52										
2013	622	246	160	129	109	90	83	74	67	55											
2014	611	247	164	118	98	82	72	64	58												
2015	703	211	134	109	90	74	67	63													
2016	575	204	143	106	78	62	54														
2017	508	189	135	95	76	59															
2018	530	177	117	82	61																
2019	436	143	96	64																	
2020	391	142	88																		
2021	357	132																			
2022	382																				

AVERAGE IMPLIED OUTSTANDING LOSS PER IMPLIED NUMBER OF OPEN AND IBNR LOST TIME CLAIMS

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																			
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204			
1987															24,443	9,258	10,466	14,301		
1988															24,428	22,476	30,604	27,581	15,629	
1989															6,863	3,878	1,798	581	(586)	(1,276)
1990										19,086	32,698	36,894	44,559	38,283	43,245	32,382	28,865	28,865	28,865	28,865
1991										18,771	17,444	15,228	17,462	15,074	12,698	12,283	12,283	12,283	12,283	12,283
1992										23,504	12,462	8,772	5,619	5,717	4,615	4,124	3,223	2,551	2,551	2,551
1993									34,428	24,962	15,889	12,344	13,972	8,815	5,319	4,331	4,304	5,965	5,965	5,965
1994									52,542	39,796	29,812	19,455	17,992	15,781	14,458	12,695	10,864	11,636	10,658	10,658
1995</																				

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - INDEMNITY

RATIO OF PAID LOSS TO INCURRED LOSS

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																	
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204	
	1987										0.8581	0.9137	0.9635	0.9819	0.9874	0.9828	0.9926	0.9961
1988									0.6958	0.9223	0.9435	0.9385	0.9461	0.9477	0.9577	0.9621	0.9611	
1989								0.7919	0.8609	0.9130	0.9396	0.9667	0.9798	0.9847	0.9873	0.9923	0.9935	
1990							0.7415	0.7919	0.8289	0.8682	0.9216	0.9453	0.9454	0.9531	0.9446	0.9495	0.9523	0.9570
1991						0.7418	0.7861	0.8295	0.8860	0.9448	0.9606	0.9855	0.9940	0.9946	0.9970	0.9930	0.9940	
1992					0.7204	0.7684	0.7966	0.8420	0.8905	0.9197	0.9727	0.9919	0.9816	0.9854	0.9865	0.9872	0.9755	
1993				0.6692	0.6512	0.7394	0.7984	0.8569	0.8770	0.9382	0.9747	0.9895	0.9926	0.9856	0.9877	0.9889	0.9837	
1994			0.6108	0.5895	0.6373	0.7179	0.7675	0.8001	0.8315	0.8869	0.9357	0.9601	0.9721	0.9736	0.9750	0.9775	0.9783	
1995		0.6086	0.5938	0.6485	0.7078	0.7688	0.7933	0.8464	0.9005	0.9521	0.9801	0.9915	0.9645	0.9665	0.9701	0.9620	0.9651	
1996	0.4636	0.5649	0.6351	0.6847	0.6897	0.7038	0.7685	0.8299	0.8805	0.9185	0.9621	0.9815	0.9815	0.9857	0.9927	0.9958	0.9945	0.9981
1997	0.3531	0.5799	0.6272	0.6355	0.6358	0.6912	0.7699	0.8240	0.8751	0.9365	0.9795	0.9905	0.9946	0.9990	0.9972	0.9982	0.9980	0.9980
1998	0.4018	0.5284	0.6139	0.6243	0.6762	0.7372	0.8007	0.8389	0.8664	0.9302	0.9760	0.9771	0.9879	0.9902	0.9926	0.9942	0.9750	0.9750
1999	0.3846	0.6512	0.6933	0.7399	0.7854	0.8239	0.8487	0.8609	0.9052	0.9459	0.9792	0.9910	0.9622	0.9658	0.9666	0.9736	0.9748	0.9748
2000	0.3629	0.6058	0.7182	0.7980	0.8435	0.8145	0.8212	0.8509	0.8846	0.9393	0.9399	0.9534	0.9594	0.9643	0.9680	0.9696	0.9520	0.9520
2001	0.2592	0.5272	0.6563	0.7328	0.7577	0.7821	0.8099	0.8377	0.8895	0.9456	0.9760	0.9901	0.9914	0.9938	0.9957	0.9980	0.9993	0.9993
2002	0.4115	0.6533	0.7950	0.8009	0.7966	0.8019	0.8316	0.8579	0.9038	0.9539	0.9846	0.9210	0.9259	0.9296	0.9337	0.9350	0.9377	0.9377
2003	0.3162	0.6111	0.7184	0.7435	0.7559	0.7470	0.7820	0.8115	0.8604	0.9316	0.9746	0.9868	0.9910	0.9948	0.9843	0.9861	0.9859	0.9859
2004	0.3759	0.6670	0.7524	0.8119	0.7646	0.7731	0.7837	0.8149	0.8714	0.9437	0.9478	0.9616	0.9658	0.9722	0.9731	0.9741	0.9750	0.9750
2005	0.3731	0.6848	0.7609	0.7322	0.7822	0.7669	0.7921	0.8333	0.8506	0.9359	0.9689	0.9811	0.9723	0.9751	0.9774	0.9789	0.9803	0.9803
2006	0.3733	0.6723	0.6755	0.7551	0.8014	0.7634	0.7874	0.7802	0.8565	0.9310	0.9649	0.9728	0.9600	0.9637	0.9654	0.9675	0.9704	0.9704
2007	0.2848	0.5287	0.7146	0.7754	0.7745	0.7955	0.7345	0.8144	0.8823	0.9594	0.9930	0.9989	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
2008	0.3609	0.6448	0.7587	0.8264	0.8287	0.6453	0.7153	0.7790	0.8584	0.9146	0.8541	0.9325	0.9578	0.9506	0.9545			
2009	0.3770	0.6846	0.8085	0.7941	0.5683	0.6368	0.7076	0.7824	0.8674	0.9424	0.9655	0.9812	0.9869	0.9999				
2010	0.3823	0.6852	0.7264	0.4755	0.5732	0.6443	0.7225	0.8168	0.8944	0.9673	0.9695	0.9798	0.9811					
2011	0.3340	0.6723	0.3897	0.4904	0.5717	0.6303	0.7434	0.8328	0.9008	0.9321	0.9873	0.9939						
2012	0.3687	0.3813	0.5101	0.5146	0.5506	0.6287	0.7269	0.7994	0.8823	0.9599	0.9766							
2013	0.2867	0.5305	0.5700	0.5395	0.5972	0.6795	0.7730	0.8452	0.9080	0.9269								
2014	0.4227	0.5833	0.4590	0.5106	0.6158	0.7121	0.7898	0.8679	0.9284									
2015	0.3631	0.4690	0.4838	0.5448	0.6058	0.7149	0.8066	0.8720										
2016	0.3294	0.4364	0.4811	0.5179	0.6634	0.7682	0.8275											
2017	0.3383	0.5069	0.5061	0.5469	0.6434	0.6839												
2018	0.3098	0.5196	0.5025	0.5727	0.6470													
2019	0.3555	0.4655	0.4897	0.6016														
2020	0.3741	0.5157	0.5373															
2021	0.3567	0.5170																
2022	0.3278																	

RATIO OF CLOSED LOST TIME CLAIMS TO REPORTED LOST TIME CLAIMS

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																		
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204		
	1987															0.9898	0.9791	0.9855	0.9920
1988														0.9818	0.9818	0.9866	0.9871	0.9823	
1989												0.9804	0.9809	0.9845	0.9886	0.9850	0.9886	0.9886	
1990												0.9658	0.9804	0.9819	0.9805	0.9838	0.9786	0.9796	
1991											0.9510	0.9737	0.9743	0.9748	0.9796	0.9782	0.9767	0.9772	
1992												0.9446	0.9587	0.9678	0.9714	0.9823	0.9823	0.9787	0.9791
1993									0.9443	0.9566	0.9514	0.9628	0.9774	0.9778	0.9741	0.9741	0.9755	0.9745	
1994							0.9418	0.9522	0.9445	0.9488	0.9672	0.9729	0.9755	0.9742	0.9711	0.9738	0.9703	0.9703	
1995						0.9472	0.9585	0.9540	0.9521	0.9550	0.9691	0.9715	0.9729	0.9739	0.9758	0.9724	0.9739	0.9739	
1996					0.9238	0.9472	0.9238	0.9401	0.9431	0.9425	0.9539	0.9581	0.9593	0.9593	0.9605	0.9605	0.9635	0.9635	
1997				0.8959	0.9234	0.9198	0.9238	0.9264	0.9289	0.9334	0.9489	0.9541	0.9580	0.9560	0.9586	0.9599	0.9612	0.9612	
1998			0.8377	0.8844	0.9084	0.9148	0.9199	0.9268	0.9305	0.9368	0.9512	0.9562	0.9606	0.9606	0.9612	0.9637	0.9650	0.9650	
1999		0.7244	0.8575	0.8891	0.9028	0.9207	0.9263	0.9311	0.9332	0.9380	0.9456	0.9525	0.9566	0.9566	0.9559	0.9552	0.9559	0.9559	
2000	0.2831	0.7643	0.8467	0.8871	0.9063	0.9131	0.9215	0.9267	0.9275	0.9306	0.9434	0.9479	0.9517	0.9577	0.9540	0.9570	0.9593	0.9593	
2001	0.3506	0.7410	0.8201	0.8568	0.8768	0.8888	0.8960	0.8968	0.9048	0.9088	0.9304	0.9352	0.9416	0.9440	0.9440	0.9464	0.9520	0.9520	
2002	0.3475	0.7271	0.8208	0.8670	0.8829	0.8935	0.8970	0.9032	0.9093	0.9217	0.9330	0.9444	0.9506	0.9480	0.9445	0.9480	0.9533	0.9533	
2003	0.3797	0.7764	0.8494	0.8856	0.8936	0.9014	0.9095	0.9055	0.9095	0.9175	0.9287	0.9384	0.9415	0.9439	0.9455	0.9551	0.9567	0.9567	
2004	0.3698	0.7782	0.8610	0.8848	0.9051	0.9114	0.9121	0.9184	0.9246	0.9261	0.9417	0.9425	0.9471	0.9526	0.9541	0.9565	0.9603	0.9603	
2005	0.3786	0.7487	0.8481	0.8722	0.8929	0.9021	0.9103	0.9103	0.9178	0.9236	0.9336	0.9452	0.9468	0.9502	0.9593	0.9626	0.9676	0.9676	
2006	0.3792	0.7716	0.8370	0.8642	0.8824	0.8905	0.8962	0.9052	0.9044	0.9109	0.9224	0.9257	0.9354	0.9419	0.9461	0.9510	0.9575	0.9575	
2007	0.3814	0.7690	0.8419	0.8743	0.8932	0.9137	0.9145	0.9171	0.9188	0.9299	0.9410	0.9530	0.9538	0.9581	0.9607	0.9616			
2008	0.3884	0.7409	0.8386	0.8755	0.9030	0.9104	0.9151	0.9187	0.9151	0.9234	0.9381	0.9501	0.9492	0.9520	0.9538				
2009	0.3738	0.7710	0.8647	0.8967	0.9067	0.9241	0.9250	0.9259	0.9323	0.9369	0.9497	0.9543	0.9589	0.9661					
2010	0.3751	0.7677	0.8446	0.8756	0.8943	0.8970	0.8961	0.9112	0.9183	0.9298	0.9458	0.9520	0.9600						
2011	0.3625	0.7828	0.8497	0.8843	0.9032	0.9098	0.9180	0.9318	0.9336	0.9454	0.9591	0.9636							
2012	0.4005	0.7627	0.8212	0.8510	0.8608	0.8812	0.8971	0.8992	0.9196	0.9239	0.9443								
2013	0.3789	0.7473	0.8303	0.8616	0.8829	0.9031	0.9115	0.9211	0.9286	0.9414									
2014	0.3964	0.7500	0.8291	0.8773	0.8977	0.9147	0.9244	0.9319	0.9383										
2015	0.2999	0.7815	0.8630	0.8888	0.9074	0.9239	0.9311	0.9352											
2016	0.4248	0.7880	0.8435	0.8840	0.9147	0.9322	0.9409												
2017	0.4030	0.7729	0.8333	0.															

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - INDEMNITY

RATIO OF PAID LOSS TO INCURRED LOSS

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																		
	216	228	240	252	264	276	288	300	312	324	336	348	360	372	384	396	408	420	432
1987	0.9974	0.9731	0.9741	0.9758	0.9767	0.9777	0.9786	0.9796	0.9805	0.9775	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
1988	0.9530	0.9691	0.9716	0.9728	0.9739	0.9713	0.9724	0.9733	0.9745	0.9756	0.9767	0.9759	0.9770	0.9782	0.9795	0.9806	0.9818	0.9813	1.0000
1989	0.9998	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
1990	0.9607	0.9641	0.9672	0.9698	0.9725	0.9727	0.9517	0.9521	0.9550	0.9579	0.9501	0.9536	0.9571	0.9604	0.9746	0.9851			
1991	0.9958	0.9779	0.9791	0.9809	0.9827	0.9811	0.9818	0.9825	0.9831	0.9836	0.9842	0.9848	0.9845	0.9857	0.9865				
1992	0.9762	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9997	1.0000	1.0000				
1993	0.9899	0.9902	0.9900	0.9882	0.9887	0.9889	0.9895	0.9899	0.9904	0.9909	0.9907	0.9913	0.9923						
1994	0.9791	0.9796	0.9755	0.9760	0.9768	0.9776	0.9784	0.9791	0.9799	0.9794	0.9802	0.9807							
1995	0.9631	0.9620	0.9591	0.9627	0.9653	0.9540	0.9570	0.9600	0.9629	0.9661	0.9623								
1996	0.9951	0.9960	0.9970	0.9967	0.9982	0.9996	1.0000	0.9995	0.9998	0.9998									
1997	0.9980	0.9980	0.9980	0.9980	1.0000	1.0000	0.9997	1.0000	1.0000										
1998	0.9753	0.9756	0.9776	0.9796	0.9821	0.9829	0.9862	0.9883											
1999	0.9759	0.9615	0.9629	0.9797	0.9804	0.9819	0.9831												
2000	0.9536	0.9553	0.9570	0.9587	0.9604	0.9623													
2001	1.0000	1.0000	0.9997	1.0000	1.0000														
2002	0.9597	0.9614	0.9632	0.9633															
2003	0.9870	1.0000	1.0000																
2004	0.9760	0.9769																	
2005	0.9733																		
2006																			
2007																			
2008																			
2009																			
2010																			
2011																			
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2013																			
2014																			
2015																			
2016																			
2017																			
2018																			
2019																			
2020																			
2021																			
2022																			

RATIO OF CLOSED LOST TIME CLAIMS TO REPORTED LOST TIME CLAIMS

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																		
	216	228	240	252	264	276	288	300	312	324	336	348	360	372	384	396	408	420	432
1987	0.9844	0.9828	0.9818	0.9807	0.9818	0.9845	0.9855	0.9887	0.9887	0.9887	0.9893	0.9904	0.9898	0.9914	0.9920	0.9941	0.9946	0.9941	0.9941
1988	0.9856	0.9823	0.9823	0.9842	0.9871	0.9861	0.9875	0.9909	0.9904	0.9904	0.9890	0.9904	0.9914	0.9919	0.9923	0.9928	0.9933	0.9933	0.9933
1989	0.9881	0.9860	0.9860	0.9886	0.9897	0.9917	0.9912	0.9928	0.9928	0.9933	0.9923	0.9933	0.9948	0.9938	0.9933	0.9943	0.9948		
1990	0.9791	0.9791	0.9767	0.9777	0.9772	0.9791	0.9800	0.9806	0.9810	0.9806	0.9829	0.9848	0.9872	0.9905	0.9910	0.9910			
1991	0.9762	0.9753	0.9729	0.9762	0.9777	0.9762	0.9758	0.9783	0.9758	0.9787	0.9792	0.9802	0.9812	0.9816	0.9860				
1992	0.9791	0.9796	0.9810	0.9823	0.9819	0.9805	0.9814	0.9837	0.9814	0.9846	0.9864	0.9878	0.9882	0.9905					
1993	0.9755	0.9764	0.9783	0.9778	0.9774	0.9779	0.9793	0.9812	0.9826	0.9831	0.9840	0.9845	0.9854						
1994	0.9711	0.9738	0.9746	0.9755	0.9751	0.9773	0.9764	0.9773	0.9808	0.9825	0.9843	0.9865							
1995	0.9749	0.9744	0.9758	0.9773	0.9768	0.9787	0.9792	0.9807	0.9807	0.9821	0.9855								
1996	0.9641	0.9636	0.9666	0.9654	0.9678	0.9707	0.9731	0.9743	0.9761	0.9761	0.9755								
1997	0.9620	0.9652	0.9684	0.9684	0.9736	0.9755	0.9749	0.9774	0.9794										
1998	0.9662	0.9662	0.9681	0.9675	0.9706	0.9737	0.9781	0.9787											
1999	0.9573	0.9587	0.9656	0.9697	0.9683	0.9697	0.9711												
2000	0.9563	0.9578	0.9653	0.9683	0.9721	0.9713													
2001	0.9544	0.9608	0.9616	0.9640	0.9648														
2002	0.9542	0.9551	0.9577	0.9604															
2003	0.9623	0.9639	0.9663																
2004	0.9627	0.9658																	
2005	0.9684																		
2006																			
2007																			
2008																			
2009																			
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2018																			
2019																			
2020																			
2021																			
2022																			

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - INDEMNITY

INCURRED LOSS DIVIDED BY EXPOSURE (PAYROLL IN MILLIONS)

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204
1987										6.4624	6.2516	6.0053	5.9002	5.8850	6.0199	5.9976	6.0024
1988									8.1477	6.5004	6.5613	6.8482	6.8772	6.9013	6.8766	6.8937	6.9584
1989								7.2515	7.2330	7.3612	7.3890	7.2642	7.2158	7.2187	7.2177	7.1933	7.1892
1990							6.7636	6.8090	7.1720	7.3700	7.5322	7.7010	7.7305	7.8638	7.8539	7.8586	7.9273
1991						5.2354	5.5935	5.9221	6.0991	6.2137	6.3674	6.3044	6.3067	6.3175	6.3261	6.3849	6.3905
1992					5.4510	5.8228	6.3493	6.6816	6.9561	7.3030	7.1895	7.1497	7.2699	7.2590	7.2589	7.2589	7.3959
1993				4.5150	5.4444	5.6761	5.8938	6.0700	6.4165	6.4360	6.4277	6.4300	6.5014	6.5929	6.5978	6.5945	6.5945
1994			3.7504	4.8322	5.5805	5.6999	6.0239	6.4145	6.7927	6.8893	6.8355	6.7826	6.7532	6.7625	6.7642	6.7523	6.7523
1995		2.1792	3.1167	3.6687	3.9301	4.1255	4.4623	4.6269	4.7495	4.8387	4.8680	4.8624	5.0283	5.0360	5.0360	5.0970	5.0992
1996	1.1142	2.2183	2.7900	3.2214	3.8187	4.3019	4.4459	4.5870	4.7446	4.9367	4.8880	4.8562	4.8935	4.8940	4.8928	4.9145	4.9145
1997	1.7327	2.1038	2.8085	3.5705	4.3215	4.6299	4.7358	4.9206	5.1384	5.2450	5.1901	5.2070	5.2278	5.2305	5.2496	5.2496	5.2540
1998	1.2719	2.2222	2.9098	3.6758	4.0852	4.3329	4.4661	4.7530	5.0432	5.0870	5.0435	5.0907	5.0760	5.0828	5.0808	5.0832	5.2001
1999	0.9520	1.4602	1.9954	2.4173	2.6964	2.9183	3.1935	3.4748	3.5908	3.6815	3.6670	3.6574	3.7943	3.7877	3.7934	3.7984	3.7984
2000	1.0133	1.4874	1.8570	2.1615	2.4750	2.9968	3.3679	3.6325	3.8669	3.9650	4.1453	4.1431	4.1452	4.1421	4.1415	4.1417	4.2255
2001	1.3889	2.0020	2.5291	3.0233	3.6597	4.1471	4.5437	4.8896	5.0840	5.1911	5.2387	5.2416	5.2727	5.2725	5.2725	5.2683	5.2683
2002	0.9319	1.4873	1.8397	2.3671	2.8375	3.2735	3.5577	3.8331	3.9744	4.0593	4.0585	4.3896	4.3871	4.3874	4.3885	4.3978	4.3978
2003	1.3113	1.7132	2.1791	2.7133	3.2015	3.7920	4.1309	4.4482	4.6133	4.6390	4.6123	4.6035	4.6053	4.6000	4.6592	4.6591	4.6682
2004	1.0729	1.4894	1.9027	2.2892	2.9380	3.3562	3.7377	3.9897	4.1204	4.1360	4.2611	4.2508	4.2457	4.2324	4.2324	4.2321	4.2321
2005	0.8883	1.1717	1.5392	2.0698	2.3856	2.8211	3.0745	3.2415	3.5143	3.4737	3.4781	3.4735	3.5212	3.5217	3.5200	3.5200	3.5200
2006	0.8640	1.1709	1.7128	1.9898	2.2717	2.7747	3.0952	3.4898	3.4952	3.5020	3.5137	3.5348	3.6715	3.6655	3.6695	3.6695	3.6672
2007	1.0775	1.4411	1.6844	1.9864	2.3787	2.6781	3.2793	3.2631	3.2989	3.2827	3.2666	3.2586	3.2583	3.2583	3.2616	3.2616	3.2616
2008	0.7057	1.0333	1.2538	1.4804	1.7588	2.5909	2.6055	2.6594	2.6485	2.6936	3.0071	2.8801	2.8299	2.8692	2.8694		
2009	0.6761	0.8733	1.0449	1.3312	2.2385	2.2938	2.3269	2.3407	2.3319	2.3188	2.3510	2.3443	2.3413	2.3163			
2010	0.7549	1.0654	1.4402	2.8341	2.8154	2.9048	2.9533	2.9330	2.9317	2.9210	2.9819	2.9659	2.9658				
2011	0.8652	1.0483	2.5631	2.5669	2.6263	2.7515	2.6715	2.6082	2.5867	2.6504	2.5588	2.5609					
2012	0.6872	1.7496	1.8984	2.4104	2.7657	2.8957	2.8507	2.8586	2.8182	2.8212	2.8609						
2013	0.9793	1.3154	1.7450	2.4480	2.7379	2.7573	2.7104	2.6765	2.6668	2.7882							
2014	0.7584	1.2347	2.2785	2.6950	2.6624	2.6064	2.6368	2.5939	2.5697								
2015	0.8611	1.5532	2.1609	2.3906	2.5256	2.4178	2.3472	2.3392									
2016	0.8392	1.4739	1.9336	2.3110	2.2712	2.1873	2.1673										
2017	0.9044	1.2818	1.8176	2.2518	2.3686	2.4840											
2018	0.9169	1.1268	1.6260	1.8799	1.9587												
2019	0.6316	1.0758	1.4016	1.4433													
2020	0.7364	1.0672	1.4125														
2021	0.7393	1.1983															
2022	0.7100																

PAID LOSS DIVIDED BY EXPOSURE (PAYROLL IN MILLIONS)

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204
1987										5.5452	5.7119	5.7861	5.7934	5.8107	5.9165	5.9531	5.9792
1988									5.6692	5.9954	6.1904	6.4272	6.5066	6.5403	6.5857	6.6324	6.6878
1989								5.7428	6.2270	6.7209	6.9425	7.0224	7.0697	7.1081	7.1257	7.1382	7.1427
1990							5.0150	5.6439	6.2266	6.7920	7.1200	7.2804	7.3678	7.4284	7.4575	7.4838	7.5864
1991						3.8838	4.3971	4.9125	5.4036	5.8709	6.1163	6.2130	6.2688	6.2832	6.3073	6.3404	6.3520
1992					3.9269	4.4739	5.0576	5.6260	6.1945	6.7168	6.9933	7.0918	7.1364	7.1534	7.1610	7.1660	7.2149
1993				3.0216	3.5452	4.1970	4.7056	5.2013	5.6270	6.0381	6.2648	6.3625	6.4532	6.4977	6.5168	6.5216	6.4872
1994			2.2906	2.8485	3.5565	4.0920	4.6235	5.1325	5.6482	6.1101	6.3962	6.5117	6.5645	6.5843	6.5952	6.6006	6.6059
1995		1.3263	1.8506	2.3791	2.7817	3.1716	3.5400	3.9164	4.2769	4.6069	4.7711	4.8212	4.8496	4.8673	4.8853	4.9031	4.9212
1996	0.5165	1.2530	1.7720	2.2056	2.6338	3.0278	3.4167	3.8066	4.1774	4.5344	4.7028	4.7662	4.8234	4.8582	4.8723	4.8872	4.9050
1997	0.6118	1.2201	1.7614	2.2691	2.7476	3.2003	3.6461	4.0545	4.4965	4.9120	5.0835	5.1575	5.1995	5.2252	5.2346	5.2399	5.2435
1998	0.5110	1.1743	1.7865	2.2948	2.7622	3.1940	3.5758	3.9875	4.3693	4.7318	4.9227	4.9741	5.0148	5.0327	5.0433	5.0536	5.0703
1999	0.3662	0.9509	1.3834	1.7886	2.1179	2.4044	2.7102	2.9913	3.2504	3.4825	3.5908	3.6246	3.6510	3.6581	3.6667	3.6983	3.7026
2000	0.3677	0.9010	1.3337	1.7250	2.0877	2.4409	2.7657	3.0909	3.4205	3.7244	3.8960	3.9501	3.9768	3.9941	4.0089	4.0157	4.0228
2001	0.3600	1.0554	1.6598	2.2156	2.7729	3.2433	3.6800	4.0962	4.5223	4.9086	5.1131	5.1896	5.2273	5.2396	5.2499	5.2580	5.2648
2002	0.3835	0.9716	1.4625	1.8958	2.2604	2.6251	2.9587	3.2884	3.5921	3.8723	3.9959	4.0428	4.0621	4.0783	4.0975	4.1121	4.1238
2003	0.4146	1.0468	1.5655	2.0173	2.4200	2.8327	3.2304	3.6099	3.9691	4.3216	4.4952	4.5426	4.5638	4.5761	4.5860	4.5941	4.6025
2004	0.4033	0.9934	1.4315	1.8585	2.2463	2.5945	2.9291	3.2510	3.5905	3.9032	4.0389	4.0874	4.1004	4.1147	4.1186	4.1226	4.1265
2005	0.3315	0.8023	1.1711	1.5155	1.8659	2.1635	2.4354	2.7012	2.9892	3.2510	3.3700	3.4080	3.4236	3.4339	3.4405	3.4456	3.4508
2006	0.3225	0.7872	1.1570	1.5025	1.8206	2.1181	2.4373	2.7226	2.9936	3.2603	3.3902	3.4386	3.5245	3.5326	3.5427	3.5504	3.5586
2007	0.3069	0.7619	1.2037	1.5402	1.8424	2.1304	2.4086	2.6574	2.9108	3.1495	3.2436	3.2549	3.2583	3.2582	3.2616	3.2616	3.2616
2008	0.2547	0.6663	0.9513	1.2234	1.4574	1.6720	1.8638	2.0717	2.2736	2.4635	2.5682	2.6858	2.7104	2.7274	2.7389		
2009	0.2549	0.5978	0.8448	1.0571	1.2721	1.4607	1.6465	1.8313	2.0227	2.1853	2.2698	2.3002	2.3107	2.3160			
2010	0.2886	0.7300	1.0461	1.3475	1.6138	1.8717	2.1337	2.3958	2.6220	2.8256	2.8911	2.9059	2.9097				
2011	0.2890	0.7048	0.9987	1.2588	1.5016	1.7341	1.9860	2.1722	2.3300	2.4704	2.5263	2.5454					
2012	0.2534	0.6671	0.9684	1.2403	1.5228	1.8205	2.0721	2.2851	2.4864	2.7081	2.7939						
2013	0.2807	0.6978	0.9947	1.3207	1.6350	1.8735	2.0951	2.2622	2.4214	2.5846							
2014	0.3206	0.7201	1.0459	1.3760	1.6395	1.8560	2.0826	2.2513	2.3857								
2015	0.3126	0.7285	1.0454	1.3024	1.5301	1.7285	1.8934	2.0397									
2016	0.2764	0.6433	0.9303	1.1970	1.5068	1.6802	1.7934										
2017	0.3059	0.6497	0.9199	1.2316	1.5240	1.6988											
2018	0.2841	0.5855	0.8171	1.0767	1.2674												
2019	0.2245	0.5008	0.6864	0.8683													

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - INDEMNITY

INCURRED LOSS DIVIDED BY EXPOSURE (PAYROLL IN MILLIONS)

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																			
	216	228	240	252	264	276	288	300	312	324	336	348	360	372	384	396	408	420	432	
1987	6.0227	6.2324	6.2321	6.2273	6.2272	6.2272	6.2272	6.2272	6.2272	6.2527	6.1142	6.1142	6.1142	6.1142	6.1142	6.1142	6.1142	6.1142	6.1142	6.1142
1988	7.0119	6.9208	6.9123	6.9123	6.9123	6.9389	6.9389	6.8928	6.8928	6.8928	6.8928	6.9069	6.9069	6.9069	6.9069	6.9069	6.9069	6.9069	6.9180	6.1142
1989	7.0905	7.0889	7.0889	7.0889	7.0889	7.0889	7.1312	7.1312	7.1312	7.1312	7.1315	7.1312	7.1312	7.1312	7.1312	7.1312	7.1312	7.1312	7.1312	7.1312
1990	7.9273	7.9249	7.9249	7.9249	7.9249	7.9507	8.1510	8.1709	8.1709	8.1709	8.2770	8.2770	8.2770	8.2770	8.2797	8.1772	8.1016			
1991	6.3960	6.5249	6.5292	6.5292	6.5292	6.5522	6.5523	6.5525	6.5525	6.5523	6.5522	6.5522	6.5583	6.5543	6.5544					
1992	7.3959	7.2247	7.2247	7.2247	7.2247	7.2247	7.2247	7.2247	7.2247	7.2247	7.2247	7.2247	7.2267	7.2245	7.2245					
1993	6.5575	6.5575	6.5575	6.5721	6.5721	6.5738	6.5738	6.5738	6.5738	6.5738	6.5783	6.5782	6.5804							
1994	6.7523	6.7523	6.7868	6.7868	6.7868	6.7868	6.7868	6.7868	6.7868	6.7957	6.7955	6.7988								
1995	5.1293	5.1684	5.2078	5.2078	5.2128	5.2911	5.2908	5.2908	5.2926	5.2923	5.3312									
1996	4.9387	4.9507	4.9564	4.9697	4.9696	4.9696	4.9684	4.9709	4.9691											
1997	5.2677	5.2677	5.2677	5.2677	5.2573	5.2573	5.2591	5.2580	5.2580											
1998	5.2094	5.2187	5.2187	5.2187	5.2169	5.2233	5.2172													
1999	3.7984	3.8601	3.8591	3.7974	3.7993	3.7977	3.8008													
2000	4.2255	4.2255	4.2255	4.2256	4.2255	4.2255														
2001	5.2681	5.2680	5.2680	5.2666	5.2668															
2002	4.3045	4.3045	4.3045	4.3116																
2003	4.6673	4.6571	4.6571																	
2004	4.2321	4.2321																		
2005	3.5514																			
2006																				
2007																				
2008																				
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2017																				
2018																				
2019																				
2020																				
2021																				
2022																				

PAID LOSS DIVIDED BY EXPOSURE (PAYROLL IN MILLIONS)

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																			
	216	228	240	252	264	276	288	300	312	324	336	348	360	372	384	396	408	420	432	
1987	6.0069	6.0647	6.0707	6.0764	6.0823	6.0882	6.0941	6.1000	6.1059	6.1121	6.1142	6.1142	6.1142	6.1142	6.1142	6.1142	6.1142	6.1142	6.1142	6.1142
1988	6.6821	6.7066	6.7159	6.7241	6.7319	6.7397	6.7474	6.7091	6.7172	6.7247	6.7325	6.7404	6.7482	6.7560	6.7653	6.7731	6.7809	6.7888		
1989	7.0889	7.0889	7.0889	7.0889	7.0889	7.0889	7.1312	7.1312	7.1312	7.1312	7.1312	7.1312	7.1312	7.1312	7.1312	7.1312	7.1312	7.1312	7.1312	7.1312
1990	7.6155	7.6404	7.6648	7.6858	7.7070	7.7338	7.7573	7.7797	7.8036	7.8272	7.8636	7.8927	7.9220	7.9515	7.9698	7.9810				
1991	6.3692	6.3809	6.3926	6.4043	6.4159	6.4283	6.4332	6.4378	6.4417	6.4451	6.4488	6.4527	6.4567	6.4608	6.4657					
1992	7.2199	7.2247	7.2247	7.2247	7.2247	7.2247	7.2247	7.2247	7.2247	7.2247	7.2247	7.2247	7.2247	7.2245	7.2245					
1993	6.4910	6.4935	6.4918	6.4947	6.4979	6.5011	6.5044	6.5077	6.5109	6.5141	6.5173	6.5213	6.5295							
1994	6.6112	6.6147	6.6205	6.6240	6.6293	6.6347	6.6402	6.6451	6.6507	6.6561	6.6612	6.6678								
1995	4.9398	4.9720	4.9946	5.0136	5.0319	5.0477	5.0632	5.0794	5.0961	5.1129	5.1300									
1996	4.9145	4.9310	4.9415	4.9535	4.9607	4.9678	4.9684	4.9684	4.9683											
1997	5.2573	5.2573	5.2573	5.2573	5.2573	5.2573	5.2573	5.2580	5.2580											
1998	5.0807	5.0912	5.1018	5.1125	5.1233	5.1341	5.1452	5.1564												
1999	3.7070	3.7116	3.7158	3.7203	3.7249	3.7290	3.7365													
2000	4.0296	4.0366	4.0438	4.0510	4.0583	4.0662														
2001	5.2680	5.2680	5.2666	5.2666	5.2666															
2002	4.1312	4.1385	4.1459	4.1533																
2003	4.6068	4.6571	4.6571																	
2004	4.1305	4.1344																		
2005	3.4564																			
2006																				
2007																				
2008																				
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COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - INDEMNITY

REPORTED LOST TIME CLAIMS DIVIDED BY EXPOSURE (PAYROLL IN MILLIONS)

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																	
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204	
1987																		
1988																		
1989													0.8303	0.9746	0.9746	0.9760	0.9760	0.9760
1990													0.8172	0.8219	0.8219	0.8219	0.8219	0.8219
1991										0.6937	0.6903	0.6937	0.6940	0.6940	0.6940	0.6944	0.6944	0.6944
1992									0.7545	0.7467	0.7545	0.7545	0.7545	0.7545	0.7545	0.7545	0.7549	0.7549
1993									0.6945	0.6873	0.6949	0.6952	0.6952	0.6952	0.6952	0.6952	0.6952	0.6952
1994								0.7032	0.6949	0.7038	0.7035	0.7035	0.7035	0.7035	0.7035	0.7035	0.7035	0.7035
1995						0.6012	0.5962	0.6012	0.6018	0.6018	0.6018	0.6018	0.6018	0.6018	0.6018	0.6018	0.6018	0.6018
1996					0.4912	0.4853	0.4912	0.4918	0.4918	0.4918	0.4918	0.4918	0.4921	0.4921	0.4921	0.4921	0.4921	0.4921
1997				0.4585	0.4526	0.4582	0.4588	0.4588	0.4585	0.4585	0.4585	0.4585	0.4585	0.4585	0.4585	0.4585	0.4585	0.4585
1998			0.4198	0.4198	0.4227	0.4233	0.4238	0.4238	0.4238	0.4238	0.4238	0.4238	0.4238	0.4238	0.4238	0.4238	0.4238	0.4240
1999		0.3474	0.3568	0.3583	0.3580	0.3580	0.3580	0.3583	0.3583	0.3583	0.3583	0.3583	0.3583	0.3583	0.3583	0.3583	0.3583	0.3583
2000	0.1879	0.2990	0.3020	0.3040	0.3047	0.3050	0.3050	0.3050	0.3050	0.3050	0.3052	0.3052	0.3052	0.3052	0.3052	0.3052	0.3052	0.3054
2001	0.2251	0.2598	0.2693	0.2704	0.2704	0.2704	0.2704	0.2704	0.2704	0.2704	0.2704	0.2704	0.2704	0.2704	0.2704	0.2704	0.2704	0.2704
2002	0.2089	0.2415	0.2456	0.2460	0.2462	0.2462	0.2462	0.2462	0.2462	0.2462	0.2460	0.2458	0.2458	0.2458	0.2460	0.2460	0.2460	0.2460
2003	0.2473	0.2771	0.2791	0.2795	0.2795	0.2791	0.2793	0.2793	0.2793	0.2793	0.2793	0.2793	0.2791	0.2791	0.2791	0.2791	0.2791	0.2791
2004	0.2541	0.2841	0.2872	0.2881	0.2881	0.2884	0.2884	0.2884	0.2884	0.2884	0.2884	0.2884	0.2884	0.2884	0.2884	0.2884	0.2884	0.2884
2005	0.2195	0.2430	0.2461	0.2461	0.2461	0.2459	0.2459	0.2459	0.2459	0.2459	0.2459	0.2459	0.2459	0.2459	0.2459	0.2459	0.2459	0.2459
2006	0.2045	0.2288	0.2320	0.2322	0.2328	0.2326	0.2326	0.2326	0.2326	0.2326	0.2326	0.2326	0.2324	0.2322	0.2326	0.2326	0.2326	0.2326
2007	0.1923	0.2101	0.2119	0.2117	0.2119	0.2119	0.2119	0.2119	0.2119	0.2119	0.2119	0.2119	0.2119	0.2119	0.2119	0.2121	0.2121	0.2121
2008	0.1622	0.1826	0.1841	0.1851	0.1850	0.1850	0.1851	0.1850	0.1850	0.1850	0.1850	0.1850	0.1850	0.1850	0.1850	0.1850	0.1850	0.1850
2009	0.1595	0.1809	0.1828	0.1828	0.1828	0.1826	0.1828	0.1826	0.1826	0.1826	0.1826	0.1826	0.1826	0.1826	0.1826	0.1826	0.1826	0.1826
2010	0.1713	0.1871	0.1889	0.1888	0.1889	0.1889	0.1889	0.1889	0.1889	0.1889	0.1889	0.1889	0.1889	0.1888	0.1888	0.1888	0.1888	0.1888
2011	0.1647	0.1815	0.1842	0.1842	0.1842	0.1842	0.1842	0.1842	0.1842	0.1843	0.1843	0.1843	0.1843	0.1845	0.1845	0.1845	0.1845	0.1845
2012	0.1344	0.1478	0.1496	0.1494	0.1496	0.1496	0.1496	0.1494	0.1494	0.1494	0.1494	0.1494	0.1494	0.1494	0.1494	0.1494	0.1494	0.1494
2013	0.1309	0.1453	0.1471	0.1474	0.1474	0.1474	0.1474	0.1472	0.1472	0.1472	0.1472	0.1472	0.1472	0.1472	0.1472	0.1472	0.1472	0.1472
2014	0.1256	0.1398	0.1416	0.1418	0.1418	0.1419	0.1419	0.1421	0.1422	0.1422	0.1422	0.1422	0.1422	0.1422	0.1422	0.1422	0.1422	0.1422
2015	0.1336	0.1432	0.1446	0.1446	0.1448	0.1448	0.1448	0.1448	0.1448	0.1448	0.1448	0.1448	0.1448	0.1448	0.1448	0.1448	0.1448	0.1448
2016	0.1147	0.1295	0.1313	0.1313	0.1313	0.1313	0.1313	0.1313	0.1313	0.1313	0.1313	0.1313	0.1313	0.1313	0.1313	0.1313	0.1313	0.1313
2017	0.1041	0.1126	0.1136	0.1138	0.1138	0.1138	0.1138	0.1138	0.1138	0.1138	0.1138	0.1138	0.1138	0.1138	0.1138	0.1138	0.1138	0.1138
2018	0.1005	0.1107	0.1126	0.1131	0.1132	0.1132	0.1132	0.1132	0.1132	0.1132	0.1132	0.1132	0.1132	0.1132	0.1132	0.1132	0.1132	0.1132
2019	0.0885	0.0990	0.0998	0.0999	0.0999	0.0999	0.0999	0.0999	0.0999	0.0999	0.0999	0.0999	0.0999	0.0999	0.0999	0.0999	0.0999	0.0999
2020	0.0816	0.0885	0.0899	0.0899	0.0899	0.0899	0.0899	0.0899	0.0899	0.0899	0.0899	0.0899	0.0899	0.0899	0.0899	0.0899	0.0899	0.0899
2021	0.0710	0.0793	0.0793	0.0793	0.0793	0.0793	0.0793	0.0793	0.0793	0.0793	0.0793	0.0793	0.0793	0.0793	0.0793	0.0793	0.0793	0.0793
2022	0.0728	0.0728	0.0728	0.0728	0.0728	0.0728	0.0728	0.0728	0.0728	0.0728	0.0728	0.0728	0.0728	0.0728	0.0728	0.0728	0.0728	0.0728

CLOSED LOST TIME CLAIMS DIVIDED BY EXPOSURE (PAYROLL IN MILLIONS)

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																	
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204	
1987															0.9151	0.9061	0.9121	0.9181
1988														0.9569	0.9569	0.9630	0.9634	0.9588
1989													0.8140	0.8140	0.8170	0.8204	0.8178	0.8208
1990												0.7934	0.8012	0.8071	0.8059	0.8086	0.8043	0.8055
1991										0.6597	0.6722	0.6759	0.6765	0.6799	0.6789	0.6782	0.6786	0.6786
1992									0.7128	0.7159	0.7302	0.7330	0.7412	0.7412	0.7412	0.7384	0.7391	0.7391
1993									0.6559	0.6575	0.6611	0.6693	0.6794	0.6798	0.6772	0.6772	0.6781	0.6775
1994							0.6623	0.6617	0.6647	0.6675	0.6804	0.6844	0.6863	0.6854	0.6832	0.6850	0.6826	0.6826
1995						0.5695	0.5715	0.5735	0.5730	0.5747	0.5831	0.5846	0.5855	0.5861	0.5872	0.5852	0.5861	0.5861
1996					0.4538	0.4597	0.4611	0.4623	0.4638	0.4635	0.4691	0.4714	0.4720	0.4720	0.4726	0.4726	0.4726	0.4741
1997				0.4108	0.4179	0.4215	0.4238	0.4250	0.4259	0.4280	0.4351	0.4375	0.4393	0.4384	0.4396	0.4402	0.4407	0.4407
1998			0.3517	0.3713	0.3840	0.3872	0.3898	0.3928	0.3943	0.3970	0.4031	0.4052	0.4071	0.4071	0.4073	0.4084	0.4092	0.4092
1999		0.2517	0.3060	0.3186	0.3233	0.3297	0.3316	0.3336	0.3344	0.3361	0.3388	0.3413	0.3427	0.3427	0.3425	0.3423	0.3425	0.3425
2000	0.0532	0.2285	0.2557	0.2697	0.2762	0.2785	0.2810	0.2826	0.2828	0.2840	0.2879	0.2893	0.2904	0.2923	0.2911	0.2921	0.2921	0.2930
2001	0.0789	0.1925	0.2208	0.2316	0.2370	0.2403	0.2422	0.2425	0.2446	0.2457	0.2515	0.2528	0.2546	0.2552	0.2552	0.2559	0.2574	0.2574
2002	0.0726	0.1756	0.2016	0.2133	0.2174	0.2200	0.2209	0.2224	0.2239	0.2269	0.2295	0.2321	0.2336	0.2330	0.2323	0.2332	0.2345	0.2345
2003	0.0939	0.2151	0.2370	0.2476	0.2498	0.2516	0.2540	0.2529	0.2540	0.2563	0.2594	0.2621	0.2628	0.2634	0.2639	0.2666	0.2670	0.2670
2004	0.0940	0.2211	0.2473	0.2550	0.2608	0.2628	0.2630	0.2648	0.2666	0.2671	0.2715	0.2718	0.2731	0.2747	0.2751	0.2758	0.2769	0.2769
2005	0.0831	0.1819	0.2087	0.2146	0.2197	0.2220	0.2238	0.2238	0.2256	0.2271	0.2295	0.2324	0.2328	0.2336	0.2358	0.2367	0.2379	0.2379
2006	0.0775	0.1765	0.1942	0.2007	0.2054	0.2071	0.2085	0.2106	0.2104	0.2119	0.2146	0.2153	0.2174	0.2187	0.2201	0.2212	0.2227	0.2227
2007	0.0734	0.1616	0.1784	0.1851	0.1893	0.1936	0.1938	0.1943	0.1947	0.1971	0.1994	0.2019	0.2021	0.2030	0.2038	0.2039	0.2039	0.2039
2008	0.0630	0.1353	0.1544	0.1621	0.1670	0.1684	0.1694	0.1699	0.1692	0.1708	0.1735	0.1757	0.1756	0.1761	0.1764	0.1764	0.1764	0.1764
2009	0.0596	0.1395	0.1580	0.1639	0.1656	0.1689	0.1689	0.1691	0.1702	0.1711	0.1734	0.1743	0.1753	0.1764	0.1764	0.1764	0.1764	0.1764
2010	0.0643	0.1436	0.1596	0.1653	0.1690	0.1695	0.1693	0.1721	0.1735	0.1757	0.1787	0.1799	0.1812	0.1812	0.1812	0.1812	0.1812	0.1812
2011	0.0597	0.1421	0.1565	0.1629	0.1659	0.1676	0.1691	0.1717	0.1721	0.1743	0.1768	0.1778	0.1778	0.1778	0.1778	0.1778	0.1778	0.1778
2012	0.0538	0.1128	0.1229	0.1272	0.1288	0.1318	0.1341	0.1344										

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WORKERS' COMPENSATION - INDEMNITY

REPORTED LOST TIME CLAIMS DIVIDED BY EXPOSURE (PAYROLL IN MILLIONS)

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																		
	216	228	240	252	264	276	288	300	312	324	336	348	360	372	384	396	408	420	432
1987	0.9255	0.9260	0.9260	0.9260	0.9260	0.9260	0.9260	0.9260	0.9260	0.9260	0.9275	0.9275	0.9275	0.9275	0.9275	0.9275	0.9275	0.9275	0.9275
1988	0.9756	0.9756	0.9746	0.9746	0.9746	0.9746	0.9746	0.9746	0.9742	0.9742	0.9746	0.9742	0.9742	0.9742	0.9742	0.9742	0.9742	0.9742	0.9742
1989	0.8298	0.8290	0.8290	0.8290	0.8290	0.8290	0.8294	0.8294	0.8298	0.8298	0.8298	0.8298	0.8298	0.8298	0.8298	0.8298	0.8298	0.8298	0.8298
1990	0.8223	0.8223	0.8223	0.8223	0.8223	0.8223	0.8223	0.8246	0.8242	0.8242	0.8242	0.8239	0.8239	0.8239	0.8239	0.8239	0.8239	0.8239	0.8239
1991	0.6944	0.6944	0.6944	0.6944	0.6944	0.6944	0.6967	0.6967	0.6967	0.6967	0.6967	0.6967	0.6967	0.6967	0.6964	0.6964			
1992	0.7549	0.7549	0.7549	0.7549	0.7549	0.7566	0.7566	0.7566	0.7566	0.7566	0.7566	0.7566	0.7566	0.7566	0.7566				
1993	0.6952	0.6952	0.6952	0.6952	0.6965	0.6965	0.6965	0.6965	0.6965	0.6965	0.6965	0.6965	0.6965	0.6965					
1994	0.7035	0.7035	0.7035	0.7041	0.7041	0.7041	0.7041	0.7041	0.7041	0.7041	0.7041	0.7041	0.7041	0.7041					
1995	0.6018	0.6018	0.6024	0.6024	0.6024	0.6024	0.6024	0.6024	0.6024	0.6024	0.6024	0.6024	0.6024						
1996	0.4921	0.4935	0.4935	0.4935	0.4935	0.4935	0.4935	0.4935	0.4935	0.4935	0.4935	0.4935							
1997	0.4597	0.4597	0.4597	0.4597	0.4597	0.4597	0.4597	0.4597	0.4597										
1998	0.4240	0.4240	0.4240	0.4238	0.4238	0.4238	0.4238	0.4238											
1999	0.3583	0.3583	0.3583	0.3583	0.3583	0.3583	0.3583												
2000	0.3054	0.3054	0.3054	0.3054	0.3054	0.3054													
2001	0.2704	0.2704	0.2704	0.2704	0.2704														
2002	0.2460	0.2460	0.2460	0.2460															
2003	0.2791	0.2791	0.2791																
2004	0.2884	0.2884																	
2005	0.2459																		
2006																			
2007																			
2008																			
2009																			
2010																			
2011																			
2012																			
2013																			
2014																			
2015																			
2016																			
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CLOSED LOST TIME CLAIMS DIVIDED BY EXPOSURE (PAYROLL IN MILLIONS)

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																		
	216	228	240	252	264	276	288	300	312	324	336	348	360	372	384	396	408	420	432
1987	0.9111	0.9101	0.9091	0.9081	0.9091	0.9116	0.9126	0.9156	0.9156	0.9156	0.9176	0.9185	0.9181	0.9195	0.9200	0.9220	0.9225	0.9220	0.9220
1988	0.9616	0.9583	0.9574	0.9592	0.9620	0.9611	0.9625	0.9653	0.9648	0.9653	0.9634	0.9648	0.9658	0.9662	0.9667	0.9672	0.9676	0.9676	0.9676
1989	0.8200	0.8174	0.8174	0.8196	0.8204	0.8221	0.8221	0.8234	0.8238	0.8243	0.8234	0.8243	0.8256	0.8247	0.8243	0.8251	0.8256		
1990	0.8051	0.8051	0.8032	0.8039	0.8035	0.8051	0.8059	0.8086	0.8086	0.8082	0.8102	0.8114	0.8133	0.8160	0.8164	0.8164			
1991	0.6779	0.6772	0.6755	0.6779	0.6789	0.6779	0.6799	0.6816	0.6799	0.6819	0.6823	0.6829	0.6836	0.6836	0.6836	0.6866			
1992	0.7391	0.7395	0.7405	0.7415	0.7412	0.7419	0.7426	0.7443	0.7426	0.7450	0.7463	0.7473	0.7477	0.7494					
1993	0.6781	0.6788	0.6801	0.6798	0.6808	0.6811	0.6821	0.6834	0.6844	0.6847	0.6853	0.6857	0.6863						
1994	0.6832	0.6850	0.6857	0.6869	0.6866	0.6881	0.6875	0.6881	0.6906	0.6918	0.6931	0.6946							
1995	0.5866	0.5863	0.5878	0.5887	0.5884	0.5895	0.5898	0.5907	0.5907	0.5916	0.5936								
1996	0.4744	0.4756	0.4770	0.4765	0.4776	0.4791	0.4803	0.4809	0.4818	0.4815									
1997	0.4422	0.4437	0.4452	0.4452	0.4476	0.4484	0.4482	0.4493	0.4502										
1998	0.4097	0.4097	0.4105	0.4100	0.4113	0.4126	0.4145	0.4148											
1999	0.3430	0.3435	0.3460	0.3474	0.3469	0.3474	0.3479												
2000	0.2921	0.2925	0.2948	0.2957	0.2969	0.2967													
2001	0.2580	0.2598	0.2600	0.2606	0.2608														
2002	0.2347	0.2350	0.2356	0.2363															
2003	0.2686	0.2690	0.2697																
2004	0.2776	0.2785																	
2005	0.2381																		
2006																			
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2022																			

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - INDEMNITY

RATIO OF PAID LOSS TO CLOSED LOST TIME CLAIMS

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																		
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204		
1987																	6,350	6,529	6,513
1988														6,800	6,835	6,839	6,884	6,976	
1989													8,627	8,685	8,700	8,686	8,728	8,702	
1990											8,974	9,087	9,129	9,218	9,218	9,222	9,304	9,418	
1991										8,899	9,099	9,193	9,266	9,241	9,291	9,348	9,361		
1992									8,691	9,383	9,577	9,675	9,628	9,651	9,662	9,704	9,761		
1993								7,931	8,558	9,134	9,360	9,364	9,493	9,596	9,624	9,617	9,575		
1994								6,981	7,757	8,497	9,154	9,400	9,514	9,565	9,607	9,653	9,678		
1995						5,569	6,194	6,828	7,464	8,016	8,182	8,247	8,283	8,305	8,319	8,379	8,397		
1996					5,804	6,587	7,409	8,234	9,007	9,783	10,025	10,110	10,218	10,292	10,309	10,341	10,346		
1997				5,523	6,574	7,593	8,602	9,539	10,557	11,477	11,683	11,789	11,837	11,920	11,909	11,905	11,897		
1998			5,080	6,181	7,193	8,249	9,173	10,153	11,080	11,919	12,212	12,275	12,319	12,363	12,381	12,374	12,391		
1999		3,778	4,521	5,615	6,552	7,293	8,172	9,966	9,721	10,362	10,599	10,621	10,652	10,673	10,706	10,806	10,811		
2000	6,911	3,943	5,217	6,396	7,560	8,766	9,843	10,937	12,093	13,115	13,532	13,655	13,692	13,665	13,770	13,750	13,731		
2001	4,560	5,483	7,516	9,565	11,698	13,497	15,192	16,895	18,487	19,978	20,328	20,526	20,534	20,530	20,571	20,550	20,456		
2002	5,282	5,534	7,256	8,889	10,397	11,933	13,396	14,787	16,044	17,064	17,409	17,416	17,385	17,504	17,635	17,632	17,584		
2003	4,414	4,866	6,604	8,149	9,688	11,259	12,716	14,273	15,624	16,863	17,328	17,332	17,368	17,371	17,379	17,234	17,237		
2004	4,292	4,493	5,788	7,290	8,614	9,873	11,136	12,277	13,467	14,615	14,874	15,040	15,013	14,980	14,970	14,947	14,901		
2005	3,988	4,410	5,612	7,062	8,492	9,747	10,882	12,070	13,248	14,317	14,683	14,666	14,707	14,700	14,588	14,559	14,506		
2006	4,160	4,459	5,957	7,487	8,862	10,226	11,691	12,930	14,230	15,387	15,802	15,970	16,212	16,151	16,098	16,051	15,978		
2007	4,184	4,716	6,747	8,321	9,735	11,003	12,429	13,674	14,950	15,983	16,266	16,118	16,120	16,048	16,007	15,993			
2008	4,042	4,926	6,161	7,548	8,726	9,929	11,001	12,191	13,433	14,424	14,801	15,283	15,438	15,489	15,525				
2009	4,273	4,286	5,345	6,450	7,683	8,648	9,748	10,831	11,881	12,773	13,089	13,200	13,185	13,128					
2010	4,491	5,083	6,556	8,153	9,551	11,045	12,603	13,917	15,113	16,084	16,179	16,156	16,057						
2011	4,840	4,961	6,382	7,729	9,052	10,350	11,747	12,647	13,540	14,176	14,290	14,317							
2012	4,708	5,916	7,883	9,753	11,825	13,811	15,456	17,004	18,093	19,615	19,799								
2013	5,660	6,425	8,146	10,401	12,566	14,077	15,613	16,682	17,712	18,649									
2014	6,441	6,869	8,909	11,065	12,870	14,299	15,859	16,988	17,879										
2015	7,802	6,512	8,374	10,131	11,645	12,921	14,044	15,063											
2016	5,675	6,306	8,398	10,310	12,544	13,725	14,513												
2017	7,289	7,464	9,716	12,275	14,794	16,115													
2018	6,840	6,557	8,389	10,542	12,072														
2019	5,304	6,175	7,861	9,484															
2020	6,814	7,634	9,612																
2021	7,444	9,681																	
2022	6,375																		

CLOSED LOST TIME CLAIMS DIVIDED BY ULTIMATE LOST TIME CLAIMS (DISPOSAL RATE)

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																			
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204			
1987																	0.9866	0.9770	0.9834	0.9898
1988														0.9823	0.9823	0.9885	0.9890	0.9842		
1989													0.9809	0.9809	0.9845	0.9886	0.9855	0.9892		
1990											0.9473	0.9630	0.9725	0.9796	0.9782	0.9815	0.9763	0.9777		
1991											0.9652	0.9705	0.9715	0.9763	0.9749	0.9739	0.9744			
1992										0.9421	0.9462	0.9652	0.9688	0.9796	0.9796	0.9796	0.9760	0.9769		
1993									0.9416	0.9440	0.9492	0.9609	0.9755	0.9760	0.9722	0.9722	0.9736	0.9727		
1994							0.9406	0.9397	0.9441	0.9480	0.9663	0.9720	0.9747	0.9733	0.9703	0.9729	0.9694			
1995						0.9454	0.9488	0.9522	0.9512	0.9541	0.9681	0.9705	0.9720	0.9729	0.9749	0.9715	0.9729			
1996					0.9194	0.9313	0.9343	0.9367	0.9397	0.9391	0.9504	0.9552	0.9564	0.9564	0.9576	0.9576	0.9606			
1997				0.8936	0.9091	0.9168	0.9220	0.9246	0.9265	0.9310	0.9465	0.9516	0.9555	0.9536	0.9562	0.9574	0.9587			
1998			0.8298	0.8761	0.9061	0.9136	0.9199	0.9268	0.9305	0.9368	0.9512	0.9562	0.9606	0.9606	0.9612	0.9637	0.9656			
1999		0.7025	0.8540	0.8891	0.9022	0.9201	0.9256	0.9311	0.9332	0.9380	0.9456	0.9525	0.9566	0.9566	0.9559	0.9552	0.9559			
2000	0.1742	0.7481	0.8371	0.8831	0.9042	0.9118	0.9201	0.9253	0.9261	0.9299	0.9427	0.9472	0.9510	0.9570	0.9532	0.9563	0.9593			
2001	0.2920	0.7120	0.8168	0.8568	0.8768	0.8888	0.8960	0.8968	0.9048	0.9088	0.9304	0.9352	0.9416	0.9440	0.9440	0.9464	0.9520			
2002	0.2952	0.7137	0.8194	0.8670	0.8837	0.8943	0.8978	0.9040	0.9101	0.9225	0.9330	0.9436	0.9498	0.9471	0.9445	0.9480	0.9533			
2003	0.3365	0.7708	0.8494	0.8870	0.8950	0.9014	0.9103	0.9063	0.9103	0.9183	0.9295	0.9391	0.9415	0.9439	0.9455	0.9511	0.9567			
2004	0.3258	0.7667	0.8577	0.8841	0.9044	0.9114	0.9121	0.9184	0.9246	0.9261	0.9417	0.9425	0.9471	0.9526	0.9541	0.9565	0.9603			
2005	0.3380	0.7400	0.8488	0.8729	0.8937	0.9028	0.9103	0.9103	0.9178	0.9236	0.9336	0.9452	0.9468	0.9502	0.9593	0.9626	0.9676			
2006	0.3333	0.7590	0.8350	0.8627	0.8832	0.8905	0.8962	0.9052	0.9044	0.9109	0.9224	0.9257	0.9346	0.9404	0.9461	0.9510	0.9575			
2007	0.3459	0.7617	0.8412	0.8728	0.8924	0.9129	0.9137	0.9163	0.9180	0.9291	0.9402	0.9522	0.9530	0.9573	0.9607	0.9616				
2008	0.3407	0.7313	0.8347	0.8763	0.9030	0.9104	0.9160	0.9187	0.9151	0.9234	0.9381	0.9501	0.9492	0.9520	0.9538					
2009	0.3266	0.7640	0.8655	0.8975	0.9067	0.9250	0.9250	0.9259	0.9323	0.9369	0.9497	0.9543	0.9597	0.9661						
2010	0.3404	0.7609	0.8453	0.8756	0.8951	0.8978	0.8969	0.9120	0.9191	0.9307	0.9467	0.9529	0.9600							
2011	0.3236	0.7700	0.8482	0.8827	0.8991	0.9082	0.9164	0.9309	0.9327	0.9445	0.9582	0.9636								
2012	0.3601	0.7546	0.8221	0.8510	0.8617	0.8821	0.8971	0.8992	0.9196	0.9239	0.9443									
2013	0.3369	0.7377	0.8294	0.8625	0.8838	0.9041	0.9115	0.9211	0.9286	0.9414										
2014	0.3500	0.7372	0.8255	0.8745	0.8957	0.9128	0.9234	0.9319	0.9383											
2015	0.2767	0.7726	0.8621	0.8879	0.9074	0.9239	0.9311	0.9352												
2016	0.3709	0.7768	0.8435	0.8840	0.9147	0.9322	0.9409													
2017	0.3689	0.7652	0.8323	0.8820	0.9056	0.9267														
2018	0.3668	0.7885	0.8602	0.9020	0.9271															
2019	0.4233	0.8108	0.8730	0.9153																
2020	0.4485	0.7997	0.8759																	
2021	0.4387	0.7925																		
2022	0.4431																			

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - INDEMNITY

RATIO OF PAID LOSS TO CLOSED LOST TIME CLAIMS

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																		
	216	228	240	252	264	276	288	300	312	324	336	348	360	372	384	396	408	420	432
1987	6,593	6,664	6,678	6,691	6,690	6,679	6,678	6,663	6,669	6,676	6,664	6,656	6,660	6,649	6,646	6,631	6,628	6,631	6,631
1988	6,949	6,999	7,015	7,010	6,998	7,012	7,010	6,950	6,962	6,966	6,988	6,986	6,987	6,992	6,998	7,003	7,008	7,016	
1989	8,645	8,672	8,672	8,650	8,641	8,623	8,674	8,661	8,656	8,652	8,661	8,652	8,638	8,647	8,652	8,643	8,638		
1990	9,459	9,490	9,543	9,560	9,591	9,606	9,626	9,621	9,651	9,684	9,706	9,728	9,740	9,744	9,762	9,775			
1991	9,396	9,422	9,463	9,447	9,451	9,483	9,462	9,445	9,474	9,451	9,452	9,449	9,445	9,451	9,417				
1992	9,768	9,770	9,756	9,743	9,747	9,738	9,729	9,707	9,729	9,698	9,680	9,667	9,662	9,640					
1993	9,572	9,566	9,545	9,554	9,545	9,545	9,536	9,523	9,514	9,514	9,510	9,511	9,514						
1994	9,677	9,656	9,656	9,643	9,655	9,642	9,658	9,657	9,630	9,621	9,611	9,600							
1995	8,421	8,480	8,497	8,517	8,552	8,562	8,584	8,599	8,627	8,643	8,642								
1996	10,359	10,369	10,358	10,397	10,386	10,369	10,345	10,332	10,313	10,319									
1997	11,888	11,849	11,809	11,809	11,747	11,723	11,731	11,702	11,678										
1998	12,400	12,426	12,427	12,470	12,456	12,442	12,413	12,432											
1999	10,808	10,806	10,741	10,708	10,736	10,733	10,739												
2000	13,798	13,800	13,716	13,698	13,670	13,707													
2001	20,417	20,281	20,259	20,208	20,191														
2002	17,599	17,615	17,597	17,580															
2003	17,152	17,311	17,268																
2004	14,879	14,845																	
2005	14,517																		
2006																			
2007																			
2008																			
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2019																			
2020																			
2021																			
2022																			

CLOSED LOST TIME CLAIMS DIVIDED BY ULTIMATE LOST TIME CLAIMS (DISPOSAL RATE)

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																		
	216	228	240	252	264	276	288	300	312	324	336	348	360	372	384	396	408	420	432
1987	0.9823	0.9813	0.9802	0.9791	0.9802	0.9829	0.9839	0.9872	0.9872	0.9872	0.9893	0.9904	0.9898	0.9914	0.9920	0.9941	0.9946	0.9941	0.9941
1988	0.9871	0.9837	0.9827	0.9847	0.9875	0.9866	0.9880	0.9909	0.9904	0.9909	0.9890	0.9904	0.9914	0.9919	0.9923	0.9928	0.9933	0.9933	0.9933
1989	0.9881	0.9850	0.9850	0.9876	0.9886	0.9907	0.9907	0.9923	0.9928	0.9933	0.9923	0.9933	0.9948	0.9938	0.9933	0.9943	0.9948		
1990	0.9772	0.9772	0.9749	0.9758	0.9753	0.9772	0.9782	0.9815	0.9815	0.9810	0.9834	0.9848	0.9872	0.9905	0.9910	0.9910			
1991	0.9734	0.9725	0.9700	0.9734	0.9749	0.9734	0.9763	0.9787	0.9763	0.9792	0.9797	0.9807	0.9816	0.9816	0.9860				
1992	0.9769	0.9774	0.9787	0.9801	0.9796	0.9805	0.9814	0.9837	0.9814	0.9846	0.9864	0.9878	0.9882	0.9905					
1993	0.9736	0.9746	0.9765	0.9760	0.9774	0.9779	0.9793	0.9812	0.9826	0.9831	0.9840	0.9845	0.9854						
1994	0.9703	0.9729	0.9738	0.9755	0.9751	0.9773	0.9764	0.9773	0.9808	0.9825	0.9843	0.9865							
1995	0.9739	0.9734	0.9758	0.9773	0.9768	0.9787	0.9792	0.9807	0.9807	0.9821	0.9855								
1996	0.9612	0.9636	0.9666	0.9654	0.9678	0.9707	0.9731	0.9743	0.9761	0.9755									
1997	0.9620	0.9652	0.9684	0.9684	0.9736	0.9755	0.9749	0.9774	0.9794										
1998	0.9668	0.9668	0.9687	0.9675	0.9706	0.9737	0.9781	0.9787											
1999	0.9573	0.9587	0.9656	0.9697	0.9683	0.9697	0.9711												
2000	0.9563	0.9578	0.9653	0.9683	0.9721	0.9713													
2001	0.9544	0.9608	0.9616	0.9640	0.9648														
2002	0.9542	0.9551	0.9577	0.9604															
2003	0.9623	0.9639	0.9663																
2004	0.9627	0.9658																	
2005	0.9684																		
2006																			
2007																			
2008																			
2009																			
2010																			
2011																			
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2019																			
2020																			
2021																			
2022																			

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - INDEMNITY

INCREMENTAL INCURRED LOSSES (\$000's)

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204
1987										(3,527)	(425)	(496)	(212)	(31)	272	(45)	10
1988										131	614	62	51	(53)	37	(53)	139
1989									(43)	299	65	(292)	(113)	7	(2)	(97)	(10)
1990										929	507	415	432	76	341	(25)	12
1991								1,064	976	526	340	457	(187)	7	32	26	175
1992								1,086	1,538	971	802	1,013	(332)	(116)	351	(32)	(0)
1993					2,836			707	664	537	1,057	59	(25)	7	218	279	15
1994				3,515	2,412			388	1,053	1,269	1,229	314	(175)	(172)	(95)	30	5
1995			3,222	1,897	898			672	1,157	566	424	307	101	(19)	570	27	(0)
1996	3,781	3,747	1,940	1,464	2,027			1,640	489	479	535	652	(165)	(108)	126	2	(4)
1997	5,846	1,252	2,378	2,571	2,534			1,041	357	623	735	360	(185)	57	70	9	64
1998	4,796	3,583	2,593	2,888	1,544			934	502	1,082	1,094	165	(164)	178	(95)	25	(7)
1999	3,858	2,059	2,169	1,710	1,131			899	1,115	1,140	470	368	(59)	554	(27)	23	0
2000	4,399	2,058	1,605	1,322	1,361			2,265	1,611	1,149	1,018	426	783	(10)	9	(14)	(2)
2001	6,422	2,834	2,437	2,285	2,943			2,253	1,834	1,599	899	495	220	13	144	(1)	(0)
2002	4,300	2,563	1,626	2,434	2,170			2,012	1,311	1,270	652	392	(4)	1,528	(11)	1	5
2003	5,864	1,797	2,083	2,389	2,183			2,640	1,515	1,419	738	115	(119)	(39)	8	(24)	265
2004	4,765	1,827	1,943	1,724	2,804			1,865	1,701	1,124	583	69	558	(46)	(23)	(99)	(0)
2005	4,350	1,388	1,800	2,599	1,547			2,133	1,241	818	1,336	(198)	22	(23)	233	2	(8)
2006	4,546	1,615	2,851	1,458	1,483			2,647	1,687	2,076	28	36	62	111	719	(31)	21
2007	5,949	2,008	1,343	1,667	2,166			1,653	3,319	(89)	198	(90)	(89)	(45)	(1)	0	18
2008	4,132	1,918	1,291	1,327	1,630			4,873	85	316	(64)	254	1,836	(743)	(294)	231	1
2009	4,047	1,180	1,027	1,713	5,431			331	198	83	(52)	(78)	193	(40)	(18)	(149)	0
2010	4,499	1,851	2,233	8,308	(111)			533	289	(121)	(8)	(64)	363	(96)	(0)		
2011	5,159	1,092	9,031	23	354			746	(477)	(377)	(128)	380	(546)	12			
2012	4,491	6,633	929	3,197	2,218			812	(281)	49	(252)	19	248				
2013	6,240	2,141	2,737	4,479	1,847			123	(298)	(215)	(61)	774					
2014	5,013	3,148	6,900	2,753	(216)			(370)	201	(283)	(160)						
2015	5,781	4,646	4,080	1,542	906			(724)	(474)	(54)							
2016	5,840	4,418	3,199	2,627	(277)			(584)	(139)								
2017	6,400	2,671	3,791	3,073	827			816									
2018	6,777	1,552	3,690	1,877	582												
2019	4,774	3,358	2,463	315													
2020	5,792	2,602	2,715														
2021	5,823	3,615															
2022	5,912																

CASE RESERVES (\$000's)

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204
1987										5,307	1,847	1,087	441	215	149	308	90
1988										1,081	794	901	794	773	623	559	579
1989									3,522	2,348	1,495	1,042	564	341	258	215	128
1990									4,476	2,983	2,420	1,480	1,055	1,077	928	1,114	1,015
1991						4,016			3,554	2,999	2,066	1,018	746	272	113	102	56
1992					4,452	3,940			3,773	3,084	2,225	1,712	773	169	390	309	286
1993				4,557	5,795	4,513			3,625	2,650	2,409	1,214	497	206	147	290	247
1994			4,743	6,446	6,577	5,225			4,551	4,166	3,719	2,532	1,427	880	613	579	549
1995		2,931	4,351	4,432	3,946	3,278			3,169	2,441	1,624	797	333	141	614	580	518
1996	2,038	3,276	3,455	3,448	4,021	4,324			3,493	3,640	1,925	1,365	629	305	238	121	69
1997	3,782	2,982	3,533	4,391	5,310	4,823			3,676	2,922	2,166	1,124	360	167	95	18	50
1998	2,869	3,951	4,236	5,208	4,988	4,295			3,357	2,887	2,541	1,339	456	440	231	189	142
1999	2,374	2,064	2,480	2,548	2,344	2,083			1,958	1,959	1,379	806	309	133	581	525	513
2000	2,803	2,546	2,272	1,895	1,682	2,414			2,614	2,551	1,938	1,044	1,082	838	731	642	576
2001	4,757	4,376	4,019	3,734	4,100	4,179			3,993	3,668	2,597	1,306	581	240	210	152	105
2002	2,530	2,379	1,740	2,174	2,663	2,991			2,764	2,513	1,764	863	289	1,600	1,500	1,426	1,343
2003	4,010	2,980	2,744	3,112	3,495	4,289			4,027	3,748	2,880	1,419	524	272	186	107	327
2004	2,986	2,212	2,101	1,920	3,085	3,397			3,606	3,293	2,363	1,038	991	729	648	525	507
2005	2,727	1,809	1,803	2,714	2,545	3,221			3,130	2,646	2,571	1,091	529	321	478	430	389
2006	2,849	2,019	2,925	2,564	2,374	3,455			3,462	4,037	2,639	1,272	650	506	773	699	668
2007	4,255	3,750	2,654	2,464	2,961	3,024			4,808	3,344	2,143	736	127	20	0	0	0
2008	2,641	2,149	1,771	1,505	1,764	5,380			4,343	3,441	2,195	1,347	2,570	1,138	700	831	764
2009	2,521	1,649	1,198	1,641	5,784	4,987			4,073	3,049	1,851	900	486	264	183	2	
2010	2,779	1,999	2,348	8,860	7,161	6,158			4,885	3,202	1,846	568	541	357	335		
2011	3,436	2,048	9,327	7,799	6,706	6,066			4,087	2,600	1,531	1,073	194	93			
2012	2,709	6,758	5,806	7,305	7,759	6,713			4,862	3,581	2,072	706	418				
2013	4,451	3,935	4,781	7,183	7,027	5,631			3,920	2,640	1,564	1,298					
2014	2,894	3,401	8,147	8,719	6,762	4,960			3,663	2,264	1,216						
2015	3,682	5,536	7,488	7,305	6,683	4,628			3,047	2,010							
2016	3,916	5,781	6,983	7,754	5,320	3,529			2,602								
2017	4,235	4,473	6,352	7,219	5,977	5,556											
2018	4,677	4,001	5,979	5,937	5,110												
2019	3,076	4,346	5,406	4,347													
2020	3,625	4,065	5,139														
2021	3,746	4,559															
2022	3,974																

INCURRED DEVELOPMENT TO PRIOR CASE RESERVES

Accident Period Ending 6/30	MONTHS FROM / TO																
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204
1987											(0.2299)	(0.4564)	(0.4795)	(0.1425)	1.8177	(0.2150)	0.1072
1988											(0.6546)	0.107	0.7734	0.3681	0.0648	(0.0588)	0.2479
1989									(0.0123)	0.1274	0.0435	(0.2797)	(0.1999)	0.0199	(0.0089)	(0.2660)	(0.0741)
1990						0.2649			0.0260	0.3115	0.2094	0.2807	0.4095	0.0702	0.3674	(0.0227)	0.0119
1991						0.2649			0.2747	0.1754	0.1647	0.4484	(0.2508)	0.0256	0.2825	0.2523	3.1265
1992					0.2439	0.3903			0.2573	0.2600	0.4555	(0.1937)	(0.2029)	2.0771	(0.0812)	(0.0012)	(0.0000)
1993					0.2220	0.1472			0.1483	0.3990	0.0246	(0.0047)	0.0143	1.0553	1.9017	0.0508	(0.0403)
1994			0.7411		0.3772	0.0590			0.2016	0.2789	0.3950	0.0844	(0.0691)	(0.1205)	(0.1085)	0.0497	0.0095
1995		1.0992	0.4360		0.2027	0.1702			0.3530	0.1785	0.1726	0.1888	0.1262	(0.0578)	4.0321	0.0434	(0.0000)
1996	1.8475	0.5922	0.4238		0.5880	0.4077			0.1131	0.1371	0.2019	0.3388	(0.1210)	(0.1716)	0.4141	0.0064	(0.0322)
1997	0.3311	0.7975	0.7277		0.5770	0.1960			0.0741	0.1696	0.2514	0.1661					

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - INDEMNITY

INCREMENTAL INCURRED LOSSES (\$000'S)

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																		
	216	228	240	252	264	276	288	300	312	324	336	348	360	372	384	396	408	420	432
1987	41	422	(1)	(10)	(0)	0	0	0	0	51	(279)	0	0	0	0	0	0	0	0
1988	115	(195)	(18)	(0)	0	57	0	(99)	0	0	0	30	0	0	0	0	0	0	24
1989	(230)	(4)	(0)	(0)	0	0	99	0	(0)	0	1	(1)	0	0	0	0	0	0	0
1990	0	(6)	0	0	(0)	66	513	51	0	0	272	0	0	7	(262)	(194)	0	0	0
1991	16	383	13	0	0	68	0	0	0	(0)	(0)	0	18	(12)	0	0	0	0	0
1992	0	(500)	0	0	0	0	0	(0)	0	0	0	0	6	(6)	0	0	0	0	0
1993	(113)	0	0	44	0	5	0	0	0	0	14	(0)	7	0	0	0	0	0	0
1994	(0)	0	112	0	0	(0)	0	0	0	29	(4)	11	0	0	0	0	0	0	0
1995	103	134	135	0	17	269	(1)	0	6	(1)	134	0	0	0	0	0	0	0	0
1996	82	41	19	45	(0)	0	(4)	8	(6)	0	0	0	0	0	0	0	0	0	0
1997	46	0	(0)	0	(35)	0	6	(4)	0	0	0	0	0	0	0	0	0	0	0
1998	35	35	0	0	(7)	24	(23)	0	0	0	0	0	0	0	0	0	0	0	0
1999	0	250	(4)	(250)	8	(6)	13	0	0	0	0	0	0	0	0	0	0	0	0
2000	0	0	0	0	(0)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	(1)	(0)	0	(6)	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	(431)	0	(0)	32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2003	(4)	(46)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2004	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2005	154	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2006	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2007	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2008	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2009	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2010	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2011	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2012	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2013	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2015	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2016	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2018	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2019	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

CASE RESERVES (\$000'S)

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																		
	216	228	240	252	264	276	288	300	312	324	336	348	360	372	384	396	408	420	432
1987	32	338	325	304	292	280	268	256	244	233	0	0	0	0	0	0	0	0	0
1988	706	459	421	403	386	427	410	393	376	360	343	356	340	323	303	286	270	277	0
1989	4	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
1990	798	728	666	612	558	555	1,008	1,001	940	880	1,058	984	909	840	531	309	0	0	0
1991	80	428	406	371	337	368	354	341	329	318	307	295	302	278	263	0	0	0	0
1992	514	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	203	195	200	236	226	222	212	202	192	182	186	174	156	0	0	0	0	0	0
1994	458	447	540	529	512	494	476	460	442	454	436	426	0	0	0	0	0	0	0
1995	651	675	733	667	622	836	782	726	675	616	691	0	0	0	0	0	0	0	0
1996	62	67	51	55	30	6	0	8	3	3	0	0	0	0	0	0	0	0	0
1997	35	35	35	35	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0
1998	485	481	441	401	353	337	272	229	0	0	0	0	0	0	0	0	0	0	0
1999	370	602	581	312	302	278	261	0	0	0	0	0	0	0	0	0	0	0	0
2000	851	820	789	756	726	692	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	0	0	6	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	800	766	732	730	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2003	271	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2004	453	436	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2005	465	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2006	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2007	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2008	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2009	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2010	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2011	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2012	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2013	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2015	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2016	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2018	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2019	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

INCURRED DEVELOPMENT TO PRIOR CASE RESERVES

Accident Period Ending 6/30	MONTHS FROM / TO																		
	216	228	240	252	264	276	288	300	312	324	336	348	360	372	384	396	408	420	432
1987	13.2653	(0.0017)	(0.0299)	(0.0000)	0.0000	0.0000	0.0000	0.0000	0.2096	(0.9851)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1988	(0.2763)	(0.0397)	(0.0000)	0.0000	0.1477	0.0000	(0.2407)	0.0000	0.0000	0.0000	0.0873	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0886	N/A
1989	(0.9996)	(0.0000)	(0.6972)	0.0000	0.0000	#####	0.0000	(1.0000)	N/A	N/A	(1.0000)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1990	(0.0078)	0.0000	0.0000	(0.0000)	0.1183	0.9238	0.0506	0.0000	0.0000	0.3086	0.0000	0.0000	0.0074	(0.3120)	(0.3648)	N/A	0	0	0
1991	4.8067	0.0302	0.0000	0.0000	0.2026	0.0012	0.0013	0.0000	(0.0014)	(0.0014)	0.0000	0.0617	(0.0395)	0.0009	N/A	0	0	0	0
1992	(0.9732)	N/A	1.0000	0.0000	51.5975	(1.0808)	N/A	N/A	0	0	0	0	0						
1993	0.0000	0.0000	0.2219	0.0002	0.0230	0.0000	0.0000	0.0000	0.0762	(0.0015)	0.0387	N/A	0	0	0	0	0	0	0
1994	0.0000	0.2504	0.0002	0.0000	(0.0000)	0.0000	0.0000	0.0000	0.0656	(0.0016)	0.0249	N/A	0	0	0	0	0	0	0
1995	0.2060	0.2005	0.0000	0.0260	0.4329	(0.0014)	0.0000	0.0088	(0.0016)	0.2169	N/A	0	0	0	0	0	0	0	0
1996	0.4931	0.2871	0.8937	(0.0070)	0.0000	(0.6598)	N/A												

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - EXPENSE

SUMMARY OF GROSS PAYMENTS AND REQUIRED RESERVES

ACCIDENT YEAR ENDING 6/30	(1)	(2)	(3)	(4)	(5)	(6)	(7)
	SELECTED ULTIMATE EXPENSES	PAID EXPENSE TO DATE	CASE RESERVES	SELECTED EXPENSE I.B.N.R.	PROJECTED UNDISCOUNTED RESERVE	DISCOUNT FACTOR	PROJECTED DISCOUNTED RESERVE
1987	841	790	35	16	52	0.692	36
1988	1,205	1,141	21	42	64	0.688	44
1989	1,189	1,125	4	60	64	0.728	47
1990	943	831	50	62	112	0.752	84
1991	975	858	38	79	117	0.766	90
1992	1,158	966	80	112	192	0.773	148
1993	470	219	199	53	251	0.777	195
1994	243	171	39	33	72	0.777	56
1995	339	195	75	68	143	0.776	111
1996	413	227	96	90	187	0.773	144
1997	339	218	62	60	122	0.768	94
1998	429	269	52	108	160	0.763	122
1999	568	343	70	156	225	0.757	171
2000	755	438	73	244	317	0.751	238
2001	977	622	131	224	355	0.743	264
2002	984	603	142	239	381	0.735	280
2003	1,028	637	127	264	391	0.727	284
2004	1,118	760	55	303	358	0.718	257
2005	1,326	910	39	377	416	0.709	295
2006	1,705	1,130	67	508	575	0.700	403
2007	1,977	1,203	159	616	774	0.691	535
2008	1,932	1,126	179	628	806	0.681	549
2009	1,004	829	49	126	175	0.726	127
2010	1,427	1,193	31	203	234	0.722	169
2011	1,345	1,084	68	193	261	0.718	187
2012	1,269	974	114	181	295	0.714	210
2013	1,414	996	229	189	418	0.716	299
2014	1,624	1,105	276	243	519	0.731	380
2015	1,574	900	436	237	673	0.746	502
2016	1,409	851	239	318	558	0.758	423
2017	1,822	918	448	456	904	0.765	692
2018	1,565	713	369	482	851	0.773	658
2019	1,599	590	260	749	1,009	0.780	788
2020	1,856	574	282	1,000	1,282	0.786	1,008
2021	2,141	496	368	1,277	1,645	0.793	1,305
2022	<u>2,170</u>	<u>168</u>	<u>352</u>	<u>1,650</u>	<u>2,002</u>	0.796	<u>1,594</u>
TOTALS	43,131	26,170	5,314	11,646	16,961		12,788

NOTES BY COLUMN:

- (1) EXH. WC EXP-6 COL. (6)
(2) FROM EXH. WC EXP-15
(3) EXH. WC EXP-7 COL. (8) - EXH. WC EXP-8 COL. (8)
(4) COL. (1) - COL. (2) - COL. (3)
(5) COL. (3) + COL. (4)
(6) BASED ON 2.78% DISCOUNT RATE AND PAYMENT PATTERN (EXH. WC EXP-14)
(7) COL. (5) x COL. (6)
ALL DOLLARS ARE IN THOUSANDS

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - EXPENSE

PROJECTION OF ULTIMATE LOSSES FOR ACCIDENT YEARS 2023-2027

ACCIDENT YEAR ENDING 6/30	(1) PAYROLL (MILLIONS)	(2) PROJECTED EXPENSE PER EXPOSURE	(3) PROJECTED ULTIMATE EXPENSE
2023	8,773.64	0.256	2,249
2024	9,228.64	0.256	2,366
2025	9,231.15	0.256	2,367
2026	9,231.99	0.256	2,367
2027	9,231.99	0.256	2,367

NOTES BY COLUMN:

- (1) PROVIDED BY COMMONWEALTH OF VIRGINIA
(2) EXH. WC EXP-7 COL. (3) SELECTED TIMES TREND FACTOR OF 1.000
ALSO INCLUDES ESTIMATED IMPACT OF PTSD PRESUMPTION.
(3) COL. (1) x COL. (2)
ALL DOLLARS ARE IN THOUSANDS

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - EXPENSE

PROJECTION OF REQUIRED UNDISCOUNTED RESERVE AT FISCAL YEAR END

ACCIDENT YEAR ENDING 6/30	AS OF 6/30					
	2022	2023	2024	2025	2026	2027
	1987	52	49	47	44	42
1988	64	61	57	55	52	49
1989	64	52	50	47	45	43
1990	112	95	77	73	70	66
1991	117	101	86	70	66	63
1992	192	169	147	124	101	96
1993	251	225	199	172	145	119
1994	72	65	58	52	45	38
1995	143	131	119	106	94	81
1996	187	172	158	143	128	113
1997	122	113	105	96	87	78
1998	160	149	139	128	117	106
1999	225	212	198	184	170	155
2000	317	300	282	263	244	225
2001	355	337	318	299	279	260
2002	381	363	345	326	306	286
2003	391	374	357	339	320	301
2004	358	344	329	314	298	282
2005	416	401	385	369	352	334
2006	575	556	535	514	493	470
2007	774	750	725	698	671	642
2008	806	782	758	732	705	678
2009	175	165	155	146	137	129
2010	234	221	208	196	184	173
2011	261	247	233	220	207	195
2012	295	279	264	249	235	221
2013	418	387	367	347	328	309
2014	519	457	423	401	379	358
2015	673	589	518	480	455	430
2016	558	489	428	376	349	330
2017	904	803	704	615	541	502
2018	851	751	667	585	512	450
2019	1,009	887	783	696	610	533
2020	1,282	1,129	993	876	778	682
2021	1,645	1,437	1,266	1,113	982	873
2022	<u>2,002</u>	1,773	1,549	1,364	1,200	1,059
2023		<u>2,098</u>	1,858	1,623	1,430	1,257
2024			<u>2,207</u>	1,954	1,707	1,504
2025				<u>2,207</u>	1,955	1,708
2026					<u>2,207</u>	1,955
2027						<u>2,207</u>
TOTAL	16,961	17,515	18,095	18,598	19,026	19,398

NOTES:

RESERVE PROJECTIONS BASED ON EXH. WC EXP-5
ALL DOLLARS ARE IN THOUSANDS

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - EXPENSE

PROJECTION OF REQUIRED DISCOUNTED RESERVE AT FISCAL YEAR END

ACCIDENT YEAR ENDING 6/30	AS OF 6/30					
	2022	2023	2024	2025	2026	2027
	1987	36	34	33	31	30
1988	44	42	40	38	36	35
1989	47	36	34	33	31	30
1990	84	69	53	51	48	46
1991	90	76	62	48	46	44
1992	148	130	110	90	70	66
1993	195	174	152	129	106	82
1994	56	51	45	39	34	27
1995	111	102	92	82	72	61
1996	144	134	122	111	99	86
1997	94	88	81	74	67	60
1998	122	115	107	99	91	82
1999	171	162	152	142	131	121
2000	238	227	215	202	189	175
2001	264	253	241	228	215	201
2002	280	270	259	247	234	220
2003	284	275	265	255	243	230
2004	257	250	242	234	224	213
2005	295	288	280	271	261	251
2006	403	394	385	374	362	349
2007	535	525	514	502	488	472
2008	549	541	531	519	507	493
2009	127	120	114	108	102	96
2010	169	160	152	144	136	128
2011	187	178	169	161	152	144
2012	210	200	190	181	172	163
2013	299	276	263	250	238	226
2014	380	327	302	288	274	260
2015	502	431	371	343	326	311
2016	423	365	313	269	249	237
2017	692	608	525	450	387	358
2018	658	575	506	436	374	322
2019	788	686	599	527	455	390
2020	1,008	881	767	670	590	509
2021	1,305	1,130	988	860	752	661
2022	<u>1,594</u>	1,406	1,218	1,065	927	810
2023		<u>1,670</u>	1,473	1,276	1,116	972
2024			<u>1,757</u>	1,550	1,342	1,173
2025				<u>1,757</u>	1,550	1,343
2026					<u>1,757</u>	1,550
2027						<u>1,757</u>
TOTAL	12,788	13,249	13,725	14,136	14,483	14,782

NOTES:

RESERVE PROJECTIONS BASED ON EXH. WC EXP-5, PAYMENT PATTERN (EXH. WC EXP-14), DISCOUNTED AT AN INTEREST RATE OF 2.78%
ALL DOLLARS ARE IN THOUSANDS

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - EXPENSE

PROJECTED PAYMENTS BY FISCAL YEAR

ACCIDENT YEAR ENDING 6/30	ESTIMATED RESERVE/ ULTIMATE AS OF 6/30/22					
		2022	2023	2024	2025	2026
1987	52	3	2	2	2	2
1988	64	3	3	3	3	3
1989	64	12	3	2	2	2
1990	112	17	17	4	4	3
1991	117	16	16	16	3	3
1992	192	22	23	23	23	5
1993	251	26	26	27	27	27
1994	72	7	7	7	7	7
1995	143	12	12	12	12	13
1996	187	14	15	15	15	15
1997	122	9	9	9	9	9
1998	160	10	11	11	11	11
1999	225	14	14	14	14	14
2000	317	18	18	18	19	19
2001	355	18	19	19	20	20
2002	381	18	18	19	20	20
2003	391	17	17	18	19	19
2004	358	14	15	15	16	16
2005	416	15	16	16	17	18
2006	575	19	20	21	22	23
2007	774	24	25	26	27	29
2008	806	24	25	26	27	28
2009	175	10	10	9	9	9
2010	234	13	13	12	12	11
2011	261	14	14	13	13	12
2012	295	16	15	15	14	14
2013	418	30	21	20	19	19
2014	519	63	33	22	22	21
2015	673	84	71	38	25	25
2016	558	69	61	52	27	18
2017	904	101	99	88	74	39
2018	851	100	84	82	73	62
2019	1,009	122	104	88	86	76
2020	1,282	153	136	117	98	96
2021	1,645	208	171	153	131	110
2022	2,002	229	224	185	165	141
2023	2,249	<u>152</u>	240	235	193	173
2024	2,366		<u>159</u>	252	247	203
2025	2,367			<u>160</u>	252	247
2026	2,367				<u>160</u>	252
2027	<u>2,367</u>					<u>160</u>
TOTAL	28,677	1,695	1,786	1,864	1,939	1,994

NOTES:

BASED ON EXH. WC EXP-2 COL. (3) AND EXH. WC EXP-1 COL. (5) AND PAYMENT PATTERN (EXH. WC EXP-14)
ESTIMATED RESERVE / ULTIMATE COLUMN EQUAL TO OUTSTANDING RESERVES THROUGH 2022 AND
EXPECTED ULTIMATES FROM 2023 TO 2027
ALL DOLLARS ARE IN THOUSANDS

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - EXPENSE

SUMMARY OF PROJECTIONS OF ULTIMATE EXPENSES

ACCIDENT YEAR ENDING 6/30	(1)	(2)	(3)	(4)	(5)	(6)
	BORN-FERG (INCURRED)	BORN-FERG (PAID)	INCURRED DEVELOPMENT	PAID LOSS DEVELOPMENT	OUTSTANDING EXPENSE DEVELOPMENT	SELECTED ULTIMATE EXPENSE
1987	843	872	841	869	834	841
1988	1,196	1,254	1,205	1,292	1,171	1,205
1989	1,182	1,275	1,189	1,313	1,131	1,189
1990	957	1,026	943	1,000	912	943
1991	1,004	1,119	975	1,066	922	975
1992	1,173	1,258	1,158	1,241	1,108	1,158
1993	457	306	470	291	581	470
1994	257	273	240	235	243	243
1995	327	313	315	278	339	339
1996	384	353	383	335	413	413
1997	346	353	337	334	339	339
1998	401	431	394	429	372	429
1999	506	528	516	568	483	568
2000	619	648	651	755	588	755
2001	1,024	1,144	977	1,116	895	977
2002	1,031	1,148	984	1,124	901	984
2003	1,057	1,189	1,028	1,235	907	1,028
2004	1,123	1,334	1,118	1,534	880	1,118
2005	1,304	1,563	1,326	1,908	995	1,326
2006	1,597	1,857	1,705	2,466	1,279	1,705
2007	1,800	1,990	1,977	2,729	1,561	1,977
2008	1,789	1,986	1,932	2,656	1,535	1,932
2009	1,035	1,182	979	1,079	917	1,004
2010	1,391	1,566	1,375	1,581	1,249	1,427
2011	1,331	1,478	1,305	1,463	1,208	1,345
2012	1,288	1,410	1,244	1,341	1,185	1,269
2013	1,442	1,476	1,414	1,413	1,414	1,414
2014	1,622	1,671	1,611	1,664	1,585	1,624
2015	1,628	1,557	1,611	1,461	1,685	1,574
2016	1,456	1,628	1,374	1,514	1,303	1,409
2017	1,820	1,808	1,825	1,811	1,833	1,822
2018	1,649	1,767	1,547	1,617	1,512	1,565
2019	1,527	1,815	1,311	1,619	1,172	1,599
2020	1,801	2,021	1,619	2,062	1,386	1,856
2021	2,133	2,164	2,325	2,849	2,034	2,141
2022	<u>2,174</u>	<u>2,159</u>	<u>2,304</u>	<u>2,489</u>	<u>2,242</u>	<u>2,170</u>
TOTALS	42,672	45,922	42,507	48,738	39,116	43,131

NOTES BY COLUMN:

- (1) FROM EXH. WC EXP-7 COL. (9)
(2) FROM EXH. WC EXP-8 COL. (9)
(3) FROM EXH. WC EXP-9 COL. (4)
(4) FROM EXH. WC EXP-10 COL. (4)
(5) FROM EXH. WC EXP-11 COL. (5)
(6) BASED ON COLS. (1) THROUGH (5), INCURRED EXPENSES AND JUDGMENT.
ALL DOLLARS ARE IN THOUSANDS

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - EXPENSE

ESTIMATED ULTIMATE EXPENSE - BORNHUETTNER / FERGUSON INCURRED METHOD

ACCIDENT YEAR ENDING 6/30	(1) EXPOSURE	(2) PROJECTED PURE PREMIUM	(3) TRENDED* PURE PREM AT 1/22	(4) SELECTED PURE PREMIUM	(5) EXPECTED EXPENSE	(6) PERCENTAGE UNREPORTED EXPENSE	(7) EXPECTED UNREPORTED EXPENSE	(8) INCURRED EXPENSE	(9) ESTIMATED ULTIMATE EXPENSE
1987	2,014.05	0.431	0.431	0.450	906	2.0%	18	825	843
1988	2,141.31	0.563	0.563	0.450	964	3.5%	34	1,162	1,196
1989	2,334.18	0.509	0.509	0.450	1,050	5.1%	53	1,129	1,182
1990	2,559.91	0.391	0.391	0.450	1,152	6.6%	76	880	957
1991	2,971.00	0.359	0.359	0.450	1,337	8.1%	109	895	1,004
1992	2,921.00	0.396	0.396	0.450	1,314	9.7%	127	1,046	1,173
1993	3,051.00	0.154	0.154	0.115	351	11.2%	39	418	457
1994	3,249.40	0.074	0.074	0.115	374	12.7%	47	209	257
1995	3,436.52	0.092	0.092	0.115	395	14.2%	56	271	327
1996	3,393.80	0.113	0.113	0.115	390	15.6%	61	323	384
1997	3,373.85	0.100	0.100	0.115	388	17.1%	66	280	346
1998	3,770.79	0.114	0.114	0.115	434	18.6%	81	321	401
1999	4,052.54	0.140	0.140	0.115	466	20.0%	93	412	506
2000	4,341.67	0.150	0.150	0.115	499	21.4%	107	511	619
2001	4,623.59	0.211	0.211	0.255	1,179	22.9%	270	754	1,024
2002	4,613.75	0.244	0.244	0.255	1,177	24.3%	286	745	1,031
2003	4,471.67	0.230	0.230	0.255	1,140	25.7%	293	764	1,057
2004	4,459.64	0.251	0.251	0.255	1,137	27.1%	308	816	1,123
2005	4,897.19	0.271	0.271	0.255	1,249	28.4%	355	949	1,304
2006	5,262.17	0.324	0.324	0.255	1,342	29.8%	400	1,197	1,597
2007	5,521.29	0.358	0.358	0.255	1,408	31.1%	439	1,361	1,800
2008	5,855.25	0.330	0.330	0.255	1,493	32.5%	485	1,304	1,789
2009	5,985.58	0.172	0.172	0.255	1,526	10.3%	157	878	1,035
2010	5,959.94	0.248	0.248	0.255	1,520	11.0%	168	1,224	1,391
2011	5,962.22	0.232	0.232	0.255	1,520	11.8%	179	1,152	1,331
2012	6,243.36	0.207	0.207	0.255	1,592	12.6%	200	1,088	1,288
2013	6,371.40	0.222	0.222	0.255	1,625	13.4%	218	1,225	1,442
2014	6,610.00	0.248	0.248	0.255	1,686	14.3%	240	1,382	1,622
2015	6,712.89	0.229	0.229	0.255	1,712	17.0%	292	1,337	1,628
2016	6,959.72	0.207	0.207	0.255	1,775	20.6%	366	1,090	1,456
2017	7,076.45	0.257	0.257	0.255	1,804	25.2%	454	1,366	1,820
2018	7,391.93	0.214	0.214	0.255	1,885	30.0%	566	1,082	1,649
2019	7,558.68	0.194	0.194	0.255	1,927	35.1%	677	850	1,527
2020	7,864.70	0.206	0.206	0.255	2,005	47.1%	945	856	1,801
2021	7,876.91	0.295	0.295	0.256	2,020	62.9%	1,270	864	2,133
2022	8,327.14	0.277	0.277	0.256	2,136	77.4%	1,653	520	2,174
TOTAL	180,216.48				44,879		11,187	31,485	42,672
AVERAGE SELECTED		0.250	0.250	0.255					

* Trend Factor= 1.000

NOTES BY COLUMN:

- (1) FROM COMMONWEALTH OF VIRGINIA. EXPOSURES=PAYROLL IN MILLIONS OF DOLLARS
- (2) AVERAGE OF ULT. LOSSES FROM EXH. WC EXP-6 COL. (3) AND (4)) / COL. (1)
- (3) COL.(2) x TRENDA^(2022-AY)
- (4) SELECTED TRENDED PURE PREMIUM / TRENDA ^ (2022-AY)
 2021 FORWARD INCLUDES ADJUSTMENT FOR PTSD PRESUMPTION.
 SELECTED TREND IS IN EXCESS OF WAGE INFLATION.
- ALL DOLLARS ARE IN THOUSANDS

- (5) COL. (4) x COL. (1)
- (6) 1-(1/(CUM. SELECTED FACTOR (EXH. WC EXP-12)))
- (7) COL. (5) x COL. (6)
- (8) FROM EXH. WC EXP-13
- (9) COL. (7) + COL. (8)

**COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - EXPENSE**

ESTIMATED ULTIMATE EXPENSE - BORNHUETTER / FERGUSON PAID METHOD

ACCIDENT YEAR ENDING 6/30	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
	EXPOSURE	PROJECTED PURE PREMIUM	TRENDED* PURE PREM AT 1/22	SELECTED PURE PREMIUM	EXPECTED EXPENSE	PERCENTAGE UNPAID EXPENSE	EXPECTED UNPAID EXPENSE	PAID EXPENSE	ESTIMATED ULTIMATE EXPENSE
1987	2,014.05	0.431	0.431	0.450	906	9.1%	82	790	872
1988	2,141.31	0.563	0.563	0.450	964	11.7%	113	1,141	1,254
1989	2,334.18	0.509	0.509	0.450	1,050	14.3%	151	1,125	1,275
1990	2,559.91	0.391	0.391	0.450	1,152	17.0%	195	831	1,026
1991	2,971.00	0.359	0.359	0.450	1,337	19.6%	262	858	1,119
1992	2,921.00	0.396	0.396	0.450	1,314	22.2%	292	966	1,258
1993	3,051.00	0.154	0.154	0.115	351	24.8%	87	219	306
1994	3,249.40	0.074	0.074	0.115	374	27.3%	102	171	273
1995	3,436.52	0.092	0.092	0.115	395	29.8%	118	195	313
1996	3,393.80	0.113	0.113	0.115	390	32.4%	126	227	353
1997	3,373.85	0.100	0.100	0.115	388	34.8%	135	218	353
1998	3,770.79	0.114	0.114	0.115	434	37.3%	162	269	431
1999	4,052.54	0.140	0.140	0.115	466	39.7%	185	343	528
2000	4,341.67	0.150	0.150	0.115	499	42.0%	210	438	648
2001	4,623.59	0.211	0.211	0.255	1,179	44.2%	522	622	1,144
2002	4,613.75	0.244	0.244	0.255	1,177	46.4%	546	603	1,148
2003	4,471.67	0.230	0.230	0.255	1,140	48.4%	552	637	1,189
2004	4,459.64	0.251	0.251	0.255	1,137	50.4%	573	760	1,334
2005	4,897.19	0.271	0.271	0.255	1,249	52.3%	654	910	1,563
2006	5,262.17	0.324	0.324	0.255	1,342	54.2%	727	1,130	1,857
2007	5,521.29	0.358	0.358	0.255	1,408	55.9%	787	1,203	1,990
2008	5,855.25	0.330	0.330	0.255	1,493	57.6%	860	1,126	1,986
2009	5,985.58	0.172	0.172	0.255	1,526	23.2%	353	829	1,182
2010	5,959.94	0.248	0.248	0.255	1,520	24.5%	373	1,193	1,566
2011	5,962.22	0.232	0.232	0.255	1,520	25.9%	394	1,084	1,478
2012	6,243.36	0.207	0.207	0.255	1,592	27.4%	436	974	1,410
2013	6,371.40	0.222	0.222	0.255	1,625	29.5%	480	996	1,476
2014	6,610.00	0.248	0.248	0.255	1,686	33.6%	566	1,105	1,671
2015	6,712.89	0.229	0.229	0.255	1,712	38.4%	657	900	1,557
2016	6,959.72	0.207	0.207	0.255	1,775	43.8%	777	851	1,628
2017	7,076.45	0.257	0.257	0.255	1,804	49.3%	890	918	1,808
2018	7,391.93	0.214	0.214	0.255	1,885	55.9%	1,053	713	1,767
2019	7,558.68	0.194	0.194	0.255	1,927	63.6%	1,225	590	1,815
2020	7,864.70	0.206	0.206	0.255	2,005	72.2%	1,447	574	2,021
2021	7,876.91	0.295	0.295	0.256	2,020	82.6%	1,669	496	2,164
2022	<u>8,327.14</u>	<u>0.277</u>	<u>0.277</u>	0.256	<u>2,136</u>	93.3%	<u>1,992</u>	<u>168</u>	<u>2,159</u>
TOTAL	180,216.48				44,879		19,752	26,170	45,922
AVERAGE SELECTED		0.250	0.250						

* Trend Factor= 1.000

NOTES BY COLUMN:

- (1) FROM COMMONWEALTH OF VIRGINIA. EXPOSURES=PAYROLL IN MILLIONS OF DOLLARS
- (2) AVERAGE OF ULT. LOSSES FROM EXH. WC EXP-6 COL. (3) AND (4)) / COL. (1)
- (3) COL.(2) x TREND^(2022-AY)
- (4) SELECTED TRENDED PURE PREMIUM / TREND ^ (2022-AY)
2021 FORWARD INCLUDES ADJUSTMENT FOR PTSD PRESUMPTION.
- SELECTED TREND IS IN EXCESS OF WAGE INFLATION.
- ALL DOLLARS ARE IN THOUSANDS

- (5) COL. (4) x COL. (1)
- (6) 1-(1/(CUM. SELECTED FACTOR (EXH. WC IND-14)))
- (7) COL. (5) x COL. (6)
- (8) FROM EXH. WC EXP-15
- (9) COL. (7) + COL. (8)

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - EXPENSE

ESTIMATED ULTIMATE EXPENSE
INCURRED EXPENSE DEVELOPMENT METHOD

ACCIDENT YEAR ENDING 6/30	(1)	(2)	(3)	(4)
	INCURRED EXPENSE	INCURRED EXPENSE DEV'T FACTORS	SELECTED INCURRED EXPENSE DEV'T FACTORS	ESTIMATED ULTIMATE EXPENSE
1987	825	1.0046	1.0200	841
1988	1,162	1.0072	1.0365	1,205
1989	1,129	1.0100	1.0534	1,189
1990	880	1.0129	1.0708	943
1991	895	1.0160	1.0886	975
1992	1,046	1.0193	1.1070	1,158
1993	418	1.0228	1.1258	470
1994	209	1.0264	1.1451	240
1995	271	1.0303	1.1650	315
1996	323	1.0344	1.1854	383
1997	280	1.0387	1.2064	337
1998	321	1.0432	1.2280	394
1999	412	1.0481	1.2502	516
2000	511	1.0532	1.2730	651
2001	754	1.0586	1.2965	977
2002	745	1.0643	1.3206	984
2003	764	1.0703	1.3455	1,028
2004	816	1.0767	1.3710	1,118
2005	949	1.0835	1.3974	1,326
2006	1,197	1.0906	1.4245	1,705
2007	1,361	1.0983	1.4524	1,977
2008	1,304	1.1063	1.4812	1,932
2009	878	1.1149	1.1149	979
2010	1,224	1.1239	1.1239	1,375
2011	1,152	1.1336	1.1336	1,305
2012	1,088	1.1438	1.1438	1,244
2013	1,225	1.1547	1.1547	1,414
2014	1,382	1.1662	1.1662	1,611
2015	1,337	1.2055	1.2055	1,611
2016	1,090	1.2600	1.2600	1,374
2017	1,366	1.3360	1.3360	1,825
2018	1,082	1.4295	1.4295	1,547
2019	850	1.5414	1.5414	1,311
2020	856	1.8909	1.8909	1,619
2021	864	2.6920	2.6920	2,325
2022	<u>520</u>	4.4295	4.4295	<u>2,304</u>
TOTAL	31,485			42,507

NOTES BY COLUMN:

- (1) FROM EXH. WC EXP-13
(2) FROM EXH. WC EXP-12.
(3) BASED ON COLUMN (2) AND JUDGMENT. YEARS 2008 AND PRIOR
REFLECT AN INCREASE IN THE USE OF GENEX.
(4) COL. (1) x COL. (3)
ALL DOLLARS ARE IN THOUSANDS

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - EXPENSE

ESTIMATED ULTIMATE EXPENSE
PAID EXPENSE DEVELOPMENT METHOD

ACCIDENT YEAR ENDING 6/30	(1)	(2)	(3)	(4)
	PAID EXPENSE	PAID EXPENSE DEV'T FACTORS	SELECTED PAID EXPENSE DEV'T FACTORS	ESTIMATED ULTIMATE EXPENSE
1987	790	1.0343	1.1000	869
1988	1,141	1.0403	1.1323	1,292
1989	1,125	1.0467	1.1673	1,313
1990	831	1.0534	1.2043	1,000
1991	858	1.0605	1.2435	1,066
1992	966	1.0681	1.2850	1,241
1993	219	1.0761	1.3291	291
1994	171	1.0846	1.3758	235
1995	195	1.0936	1.4254	278
1996	227	1.1032	1.4782	335
1997	218	1.1133	1.5344	334
1998	269	1.1241	1.5942	429
1999	343	1.1356	1.6580	568
2000	438	1.1478	1.7243	755
2001	622	1.1609	1.7932	1,116
2002	603	1.1747	1.8650	1,124
2003	637	1.1894	1.9396	1,235
2004	760	1.2052	2.0172	1,534
2005	910	1.2220	2.0978	1,908
2006	1,130	1.2399	2.1818	2,466
2007	1,203	1.2590	2.2690	2,729
2008	1,126	1.2795	2.3598	2,656
2009	829	1.3014	1.3014	1,079
2010	1,193	1.3249	1.3249	1,581
2011	1,084	1.3500	1.3500	1,463
2012	974	1.3770	1.3770	1,341
2013	996	1.4191	1.4191	1,413
2014	1,105	1.5057	1.5057	1,664
2015	900	1.6232	1.6232	1,461
2016	851	1.7794	1.7794	1,514
2017	918	1.9729	1.9729	1,811
2018	713	2.2665	2.2665	1,617
2019	590	2.7438	2.7438	1,619
2020	574	3.5908	3.5908	2,062
2021	496	5.7456	5.7456	2,849
2022	<u>168</u>	14.8347	14.8347	<u>2,489</u>
TOTAL	26,170			48,738

NOTES BY COLUMN:

(1) FROM EXH. WC EXP-15

(2) FROM EXH. WC EXP-14

(3) BASED ON COLUMN (2) AND JUDGMENT. YEARS 2008 AND PRIOR REFLECT AN INCREASE IN THE USE OF GENEX.

(4) COL. (1) x COL. (3)

ALL DOLLARS ARE IN THOUSANDS

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - EXPENSE

ESTIMATED ULTIMATE EXPENSE
OUTSTANDING EXPENSE DEVELOPMENT METHOD

ACCIDENT YEAR ENDING 6/30	(1)	(2)	(3)	(4)	(5)
	PAID EXPENSE	CASE RESERVES	SELECTED PAID EXPENSE DEV'T FACTORS	SELECTED INCURRED EXPENSE DEV'T FACTORS	ESTIMATED ULTIMATE EXPENSE
1987	790	35	1.1000	1.0200	834
1988	1,141	21	1.1323	1.0365	1,171
1989	1,125	4	1.1673	1.0534	1,131
1990	831	50	1.2043	1.0708	912
1991	858	38	1.2435	1.0886	922
1992	966	80	1.2850	1.1070	1,108
1993	219	199	1.3291	1.1258	581
1994	171	39	1.3758	1.1451	243
1995	195	75	1.4254	1.1650	339
1996	227	96	1.4782	1.1854	413
1997	218	62	1.5344	1.2064	339
1998	269	52	1.5942	1.2280	372
1999	343	70	1.6580	1.2502	483
2000	438	73	1.7243	1.2730	588
2001	622	131	1.7932	1.2965	895
2002	603	142	1.8650	1.3206	901
2003	637	127	1.9396	1.3455	907
2004	760	55	2.0172	1.3710	880
2005	910	39	2.0978	1.3974	995
2006	1,130	67	2.1818	1.4245	1,279
2007	1,203	159	2.2690	1.4524	1,561
2008	1,126	179	2.3598	1.4812	1,535
2009	829	49	1.3014	1.1149	917
2010	1,193	31	1.3249	1.1239	1,249
2011	1,084	68	1.3500	1.1336	1,208
2012	974	114	1.3770	1.1438	1,185
2013	996	229	1.4191	1.1547	1,414
2014	1,105	276	1.5057	1.1662	1,585
2015	900	436	1.6232	1.2055	1,685
2016	851	239	1.7794	1.2600	1,303
2017	918	448	1.9729	1.3360	1,833
2018	713	369	2.2665	1.4295	1,512
2019	590	260	2.7438	1.5414	1,172
2020	574	282	3.5908	1.8909	1,386
2021	496	368	5.7456	2.6920	2,034
2022	<u>168</u>	<u>352</u>	14.8347	4.4295	<u>2,242</u>
TOTAL	26,170	5,314			39,116

NOTES BY COLUMN:

- (1) FROM EXH. WC EXP-15
(2) EXH. WC EXP-13 - EXH. WC EXP-15
(3) FROM EXH. WC EXP-14
(4) FROM EXH. WC EXP-12
(5) COL. (1) + COL. (2) + [COL. (2) X [1.00 - 1 / COL. (4)] / [1 / COL. (4) - 1 / COL. (3)]
ALL DOLLARS ARE IN THOUSANDS

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - EXPENSE

AGE - TO - AGE INCURRED EXPENSE DEVELOPMENT FACTORS

Accident Period Ending 6/30	MONTHS FROM / TO																	
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204	216
1987	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204	216	
1987									0.8928	0.9889	1.0123	1.0226	1.0714	1.0073	1.0456	1.0392		
1988								0.9479	0.9529	1.0223	1.0183	1.0229	1.0134	1.0789	1.0213	1.0679		
1989								0.9941	0.9837	0.9684	0.9761	1.0055	0.9982	1.0244	1.0315	0.9947	1.0529	
1990							1.0033	0.9931	0.9962	0.9835	1.2441	0.8008	0.9955	0.9982	1.0076	1.0104	1.0000	
1991						1.0341	1.0533	1.0032	0.9927	0.9554	1.0041	0.9985	0.9836	1.0085	1.0002	1.0001	1.0066	
1992					1.0153	1.0340	1.0060	0.9957	1.0122	0.9838	0.9886	0.9985	0.9924	1.0000	1.0039	1.0296	1.0067	
1993				1.3440	1.1455	1.1188	1.0134	1.1066	0.8401	0.9008	1.0097	1.0011	1.0292	0.9627	1.1339	1.0038	0.9862	
1994			1.4359	1.2563	1.0650	1.1081	1.0667	1.0531	0.9996	0.7245	1.0153	1.0498	1.0279	1.1398	0.9971	1.0360	1.0330	
1995		1.3512	1.1192	0.9933	1.1148	1.0409	1.0028	0.9802	1.0352	1.0487	1.0290	1.0378	1.4817	0.7374	1.0710	1.0080	1.0124	
1996	2.0734	1.1189	1.2659	1.3847	1.0254	1.0211	1.0078	1.0440	1.2096	1.0805	1.0386	1.1064	1.0265	0.9841	1.0215	1.0239	0.9039	
1997	0.5678	1.4895	0.9949	1.2240	1.2435	0.8992	1.2902	1.8035	1.1831	1.0050	1.0414	1.0638	1.0535	0.9785	0.9995	0.9490	1.0066	
1998	1.6116	1.1189	1.2659	1.3847	1.0254	1.3073	1.4341	1.3146	1.0962	1.0633	1.0063	1.0034	1.0021	0.9971	0.9458	1.0038	1.0412	
1999	0.4175	1.6758	1.4972	1.1450	1.3778	2.0757	1.3615	1.0500	1.1207	1.1073	0.9963	1.0069	1.1014	0.9671	1.0356	1.0536	0.9865	
2000	1.9223	1.6401	1.0476	2.1492	2.2918	1.2955	1.1063	1.1261	1.0734	1.0742	0.9900	0.9812	1.0139	0.9697	1.0102	0.9832	1.0132	
2001	0.9169	1.1125	1.2183	1.4738	1.1015	1.1349	1.1005	0.9675	1.0809	0.9822	1.0002	0.9805	1.0039	1.0162	0.9949	0.9972	0.9907	
2002	3.4228	2.4938	2.0764	1.4979	1.1807	1.1247	1.1611	1.0653	0.9988	0.9957	0.9503	0.9989	1.0285	1.0013	1.0014	1.0130	0.9951	
2003	1.4725	2.4686	1.3738	1.2910	1.1039	1.0498	1.1437	1.0937	1.0339	0.9027	0.9840	1.0046	0.9839	1.0391	0.9858	1.0050	1.1442	
2004	4.0134	1.5933	1.3014	1.3622	1.2713	1.2468	1.0816	1.0504	0.9522	0.9765	0.9633	0.9765	0.9978	1.0066	1.0074	1.0559	1.1225	
2005	4.6524	1.6539	1.4917	1.3667	1.3572	1.1601	1.0627	1.0738	1.0228	0.9264	0.9902	1.0067	0.9988	1.0154	1.0114	1.0008	1.0043	
2006	2.2586	1.7920	1.3231	1.3692	1.4403	1.1324	1.1491	1.0274	0.9804	0.9398	0.9897	0.9938	1.0039	1.0382	1.0256	1.0346		
2007	1.8595	1.5841	1.4837	1.2849	1.1328	1.2347	1.0276	1.0163	0.9355	0.9626	0.9840	1.0193	1.0188	1.0691	1.0574			
2008	1.6044	1.9311	1.3313	1.2326	1.3614	1.0455	1.0331	1.0415	1.0405	0.9554	0.9993	1.0138	1.0413	1.1090				
2009	3.1766	1.6762	1.3189	1.4842	1.1153	1.0565	1.0543	1.0497	0.9781	0.9842	0.9726	1.0192	1.0119					
2010	2.6710	1.9173	1.8047	1.0813	1.0630	1.1069	1.0394	1.0261	0.9919	0.9763	1.0080	0.9996						
2011	2.2701	2.8265	1.1157	1.0258	1.1008	1.0182	0.9886	1.0291	1.0110	1.0132	0.9838							
2012	3.5575	1.3323	1.2454	1.1062	1.0652	1.0195	1.0133	1.0252	0.9934	0.9799								
2013	2.5410	1.3537	1.4199	1.1284	0.9668	1.0118	1.0692	1.0294	1.0247									
2014	1.8185	1.5692	1.3766	1.1343	1.0109	1.0183	1.0612	1.0488										
2015	2.0711	1.6692	1.1210	0.9991	1.0910	1.1249	1.0239											
2016	2.3425	1.4057	1.2405	1.0697	1.0394	1.0709												
2017	1.8670	1.4642	1.2638	1.0361	1.2030													
2018	1.5534	1.4215	1.1956	1.0731														
2019	1.8431	1.3145	1.0264															
2020	1.4738	1.0631																
2021	1.3133																	
VOL WTD 3	1.4872	1.2460	1.1637	1.0586	1.1152	1.0705	1.0502	1.0353	1.0101	0.9896	0.9898	1.0098	1.0249	1.0729	1.0339	1.0285	1.0797	
VOL WTD 5	1.5522	1.3138	1.1675	1.0619	1.0623	1.0493	1.0315	1.0322	1.0008	0.9815	0.9905	1.0086	1.0159	1.0535	1.0236	1.0227	1.0512	
VOL WTD ALL	1.8455	1.5262	1.2871	1.1592	1.1325	1.0904	1.0573	1.0362	1.0011	0.9690	1.0019	0.9937	1.0122	1.0252	1.0208	1.0158	1.0337	
ARITH 3	1.5434	1.2664	1.1619	1.0596	1.1112	1.0714	1.0514	1.0345	1.0097	0.9898	0.9881	1.0109	1.0240	1.0721	1.0315	1.0304	1.0904	
ARITH 5	1.6101	1.3338	1.1694	1.0625	1.0622	1.0491	1.0312	1.0317	0.9998	0.9818	0.9895	1.0091	1.0149	1.0477	1.0175	1.0218	1.0514	
ARITH ALL	2.1266	1.6237	1.3166	1.2466	1.2012	1.1342	1.0906	1.0773	1.0206	0.9745	1.0070	1.0040	1.0326	1.0067	1.0204	1.0135	1.0217	
EXCL. HI - LO	2.0926	1.5969	1.2983	1.2235	1.1655	1.1048	1.0805	1.0516	1.0202	0.9793	0.9992	1.0086	1.0135	1.0135	1.0183	1.0147	1.0215	
SELECTED	1.6454	1.4237	1.2267	1.0783	1.0700	1.0603	1.0453	1.0337	1.0100	1.0095	1.0090	1.0086	1.0081	1.0077	1.0073	1.0070	1.0066	
CUM SEL'D	4.4295	2.6920	1.8909	1.5414	1.4295	1.3360	1.2600	1.2055	1.1662	1.1547	1.1438	1.1336	1.1239	1.1149	1.1063	1.0983	1.0906	
L'T YR SEL'D	1.7439	1.4457	1.2276	1.0891	1.0526	1.0500	1.0406	1.0299	1.0100	1.0095	1.0090	1.0086	1.0081	1.0077	1.0073	1.0070	1.0066	
EXP % REP'TD	22.6%	37.1%	52.9%	64.9%	70.0%	74.8%	79.4%	83.0%	85.7%	86.6%	87.4%	88.2%	89.0%	89.7%	90.4%	91.1%	91.7%	

NOTES: BASED ON EXHIBIT WC EXP-13.

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - EXPENSE

AGE - TO - AGE INCURRED EXPENSE DEVELOPMENT FACTORS

Accident Period Ending 6/30	MONTHS FROM / TO																		
	216	228	240	252	264	276	288	300	312	324	336	348	360	372	384	396	408	420	432
1987	1.1353	1.1988	0.7793	0.9933	1.0013	1.0047	0.9980	1.0000	1.0000	1.0043	1.0103	1.0028	0.9914	1.0023	1.0032	1.0209	0.9995	1.0274	
1988	1.0872	0.8898	1.0020	0.9932	1.0023	1.0018	0.9862	1.0128	1.0000	1.0039	1.0078	1.0000	0.9976	1.0012	1.0080	1.0098	1.0100		
1989	0.8965	1.0030	1.0000	1.0000	1.0003	1.0166	1.0082	1.0000	1.0000	1.0028	1.0005	0.9996	1.0004	1.0044	1.0040	1.0031			
1990	1.0053	1.0161	1.0018	1.0031	1.0028	1.0094	1.0124	1.0199	1.0113	0.9995	1.0055	1.0145	1.0564	1.0297	0.9998				
1991	1.0226	1.0059	1.0147	0.9960	0.9887	0.9975	1.0027	1.0053	1.0209	1.0038	1.0050	1.0551	1.0066	1.0229					
1992	0.9922	0.9993	1.0017	1.0022	1.0130	1.0023	1.0025	1.0119	1.0143	0.9945	1.0218	1.0663	1.0095						
1993	1.0050	0.9944	1.0000	1.0330	1.0486	1.0427	1.0194	1.0573	1.1345	1.2952	2.7665	0.8445							
1994	0.9959	1.0159	1.0275	1.1908	0.9832	1.0105	1.0799	0.9476	1.1614	1.1905	1.1075								
1995	1.1050	1.0943	1.1039	0.9913	0.9801	1.0559	1.0690	1.1127	1.3273	1.0959									
1996	1.0112	1.0254	1.0425	1.0102	1.0096	1.0591	1.1233	1.1500	1.3890										
1997	1.0310	1.0265	1.0179	0.9840	1.0007	1.2309	1.2126	1.1383											
1998	1.0097	0.9946	1.0241	1.1787	1.0981	1.0684	1.0046												
1999	1.0739	1.0164	1.0456	1.1354	1.1488	1.0203													
2000	0.9869	1.0212	1.0596	1.0919	1.0892														
2001	1.0060	1.2133	1.1402	0.9903															
2002	1.1876	1.0555	1.0490																
2003	1.0900	1.0016																	
2004	0.9797																		
2005																			
2006																			
2007																			
2008																			
2009																			
2010																			
2011																			
2012																			
2013																			
2014																			
2015																			
2016																			
2017																			
2018																			
2019																			
2020																			
2021																			
																			<u>TAIL</u>
VOL WTD 3	1.0726	1.0785	1.0855	1.0493	1.1106	1.0768	1.0951	1.1352	1.3123	1.1741	1.2707	1.0144	1.0226	1.0177	1.0043	1.0102			
VOL WTD 5	1.0493	1.0632	1.0744	1.0593	1.0860	1.0717	1.0889	1.0940	1.1255	1.0399	1.1246	1.0105	1.0119	1.0112					
VOL WTD ALL	1.0290	1.0256	0.9994	1.0160	1.0181	1.0177	1.0146	1.0199	1.0369	1.0168	1.0643	1.0076	1.0091	1.0112	1.0040	1.0102	1.0056	1.0274	
ARITH 3	1.0858	1.0901	1.0829	1.0725	1.1120	1.1065	1.1135	1.1337	1.2925	1.1938	1.6319	0.9886	1.0242	1.0190	1.0039	1.0113			
ARITH 5	1.0500	1.0616	1.0637	1.0761	1.0693	1.0869	1.0979	1.0812	1.2053	1.1160	1.3813	0.9960	1.0141	1.0121					
ARITH ALL	1.0345	1.0337	1.0193	1.0396	1.0262	1.0400	1.0432	1.0414	1.1059	1.0656	1.2406	0.9975	1.0103	1.0121	1.0037	1.0113	1.0047	1.0274	
EXCL. HI - LO	1.0336	1.0313	1.0279	1.0322	1.0198	1.0265	1.0320	1.0398	1.0837	1.0430	1.0263	1.0144	1.0035	1.0098	1.0036	1.0098			
SELECTED	1.0063	1.0060	1.0057	1.0054	1.0051	1.0049	1.0046	1.0044	1.0042	1.0040	1.0038	1.0036	1.0034	1.0032	1.0031	1.0029	1.0028	1.0026	1.0046
CUM SEL'D	1.0835	1.0767	1.0703	1.0643	1.0586	1.0532	1.0481	1.0432	1.0387	1.0344	1.0303	1.0264	1.0228	1.0193	1.0160	1.0129	1.0100	1.0072	1.0046
L'T YR SEL'D	1.0063	1.0060	1.0057	1.0054	1.0051	1.0049	1.0046	1.0044	1.0042	1.0040	1.0038	1.0036	1.0034	1.0032	1.0031	1.0029	1.0028	1.0026	1.0046
EXP % REP'TD	92.3%	92.9%	93.4%	94.0%	94.5%	95.0%	95.4%	95.9%	96.3%	96.7%	97.1%	97.4%	97.8%	98.1%	98.4%	98.7%	99.0%	99.3%	99.5%

NOTES: BASED ON EXHIBIT WC EXP-13.

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - EXPENSE

AGE - TO - AGE INCURRED EXPENSE DEVELOPMENT FACTORS - ADJUSTED EXPENSES

Accident Period Ending 6/30	MONTHS FROM / TO																
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204
1987	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204	216
1987									0.8839	0.9814	1.0130	1.0073	1.0617	0.9874	1.0421	1.0311	
1988								0.9334	0.9523	0.9879	0.9961	0.9734	0.9962	1.0759	0.9967	1.0802	
1989								0.9921	0.9810	0.9568	0.9686	0.9916	0.9919	1.0185	1.0264	0.9944	1.0560
1990							1.0485	1.0344	1.0115	0.9930	1.2258	0.8192	0.9995	0.9985	1.0067	1.0092	1.0000
1991						1.0815	1.0472	1.0301	1.0107	0.9645	1.0104	1.0015	0.9884	1.0076	1.0002	1.0001	1.0059
1992					1.0659	1.0708	1.0403	1.0227	1.0237	0.9891	0.9963	0.9996	0.9936	1.0000	1.0033	1.0250	1.0056
1993				1.3198	1.1796	1.1160	1.0791	1.0656	0.9930	0.9939	1.0089	1.0002	1.0045	0.9941	1.0205	1.0007	0.9976
1994			1.3472	1.2893	1.1859	1.1384	1.0841	1.0549	1.0246	0.9586	1.0022	1.0072	1.0042	1.0216	0.9995	1.0062	1.0059
1995		1.6458	1.2941	1.2710	1.1967	1.1269	1.0751	1.0477	1.0275	1.0074	1.0046	1.0061	1.0801	0.9401	1.0127	1.0015	1.0024
1996	3.1702		1.2832	1.2323	1.2454	1.1165	1.0782	1.0463	1.0394	1.0176	1.0090	1.0255	1.0068	0.9958	1.0056	1.0063	0.9742
1997	1.8651	1.6637	1.3048	1.3068	1.1987	1.1017	1.0843	1.1009	1.0377	1.0012	1.0097	1.0155	1.0136	0.9943	0.9999	0.9867	1.0016
1998	2.9683	1.6183	1.3485	1.3204	1.1673	1.1249	1.0904	1.0862	1.0319	1.0223	1.0023	1.0012	1.0008	0.9989	0.9800	1.0014	1.0147
1999	1.8407	1.6858	1.3262	1.2814	1.1822	1.1708	1.1018	1.0174	1.0433	1.0414	0.9985	1.0028	1.0043	0.9864	1.0144	1.0222	0.9942
2000	2.6551	1.5681	1.2685	1.2818	1.3398	1.1330	1.0547	1.0681	1.0418	1.0435	0.9939	0.9887	1.0083	0.9818	1.0060	0.9900	1.0078
2001	1.2221	1.2983	1.1926	1.3027	1.0733	1.1000	1.0769	0.9746	1.0628	0.9859	1.0002	0.9847	1.0030	1.0127	0.9960	0.9978	0.9927
2002	3.2467	1.5784	1.5350	1.3347	1.1364	1.0978	1.1294	1.0539	0.9990	0.9964	0.9585	0.9991	1.0235	1.0011	1.0012	1.0108	0.9959
2003	2.0509	1.9233	1.3016	1.2479	1.0915	1.0444	1.1287	1.0850	1.0310	0.9107	0.9855	1.0042	0.9854	1.0354	0.9871	1.0045	1.1312
2004	2.5688	1.4826	1.2634	1.3261	1.2509	1.2319	1.0776	1.0481	0.9543	0.9776	0.9650	0.9776	0.9979	1.0063	1.0071	1.0532	1.1169
2005	4.6524	1.6539	1.4917	1.3667	1.3572	1.1601	1.0627	1.0738	1.0228	0.9264	0.9902	1.0067	0.9988	1.0154	1.0114	1.0008	1.0043
2006	2.2586	1.7920	1.3231	1.3692	1.4403	1.1324	1.1491	1.0274	0.9804	0.9398	0.9897	0.9938	1.0039	1.0382	1.0256	1.0346	
2007	1.8595	1.5841	1.4837	1.2849	1.1328	1.2347	1.0276	1.0163	0.9355	0.9626	0.9840	1.0193	1.0188	1.0691	1.0574		
2008	1.6044	1.9311	1.3313	1.2326	1.3614	1.0455	1.0331	1.0415	1.0405	0.9554	0.9993	1.0138	1.0413	1.1090			
2009	3.1766	1.6762	1.3189	1.4842	1.1153	1.0565	1.0543	1.0497	0.9781	0.9842	0.9726	1.0192	1.0119				
2010	2.6710	1.9173	1.8047	1.0813	1.0630	1.1069	1.0394	1.0261	0.9919	0.9763	1.0080	0.9996					
2011	2.2701	2.8265	1.1157	1.0258	1.1008	1.0182	0.9886	1.0291	1.0110	1.0132	0.9838						
2012	3.5575	1.3323	1.2454	1.1062	1.0652	1.0195	1.0133	1.0252	0.9934	0.9799							
2013	2.5410	1.3537	1.4199	1.1284	0.9668	1.0118	1.0692	1.0294	1.0247								
2014	1.8185	1.5692	1.3766	1.1343	1.0109	1.0183	1.0612	1.0488									
2015	2.0711	1.6692	1.1210	0.9991	1.0910	1.1249	1.0239										
2016	2.3425	1.4057	1.2405	1.0697	1.0394	1.0709											
2017	1.8670	1.4642	1.2638	1.0361	1.2030												
2018	1.5534	1.4215	1.1956	1.0731													
2019	1.8431	1.3145	1.0264														
2020	1.4738	1.0631															
2021	1.3133																
VOL WTD 3	1.4872	1.2460	1.1637	1.0586	1.1152	1.0705	1.0502	1.0353	1.0101	0.9896	0.9898	1.0098	1.0249	1.0729	1.0339	1.0282	1.0765
VOL WTD 5	1.5522	1.3138	1.1675	1.0619	1.0623	1.0493	1.0315	1.0322	1.0008	0.9815	0.9905	1.0086	1.0159	1.0531	1.0231	1.0216	1.0463
VOL WTD ALL	1.9252	1.5335	1.2860	1.1719	1.1380	1.0933	1.0590	1.0379	1.0037	0.9750	1.0005	0.9934	1.0064	1.0177	1.0138	1.0098	1.0240
ARITH 3	1.5434	1.2664	1.1619	1.0596	1.1112	1.0714	1.0514	1.0345	1.0097	0.9898	0.9881	1.0109	1.0240	1.0721	1.0315	1.0295	1.0841
ARITH 5	1.6101	1.3338	1.1694	1.0625	1.0622	1.0491	1.0312	1.0317	0.9998	0.9818	0.9895	1.0091	1.0149	1.0476	1.0177	1.0208	1.0482
ARITH ALL	2.3254	1.6210	1.3163	1.2271	1.1639	1.1021	1.0661	1.0421	1.0087	0.9782	1.0014	0.9952	1.0070	1.0129	1.0107	1.0092	1.0220
EXCL. HI - LO	2.2745	1.5941	1.3080	1.2259	1.1606	1.1003	1.0659	1.0425	1.0095	0.9794	0.9936	1.0019	1.0051	1.0117	1.0089	1.0080	1.0184
SELECTED	1.6454	1.4237	1.2267	1.0783	1.0700	1.0603	1.0453	1.0337	1.0100	1.0095	1.0090	1.0086	1.0081	1.0077	1.0073	1.0070	1.0066
CUM SEL'D	4.4295	2.6920	1.8909	1.5414	1.4295	1.3360	1.2600	1.2055	1.1662	1.1547	1.1438	1.1336	1.1239	1.1149	1.1063	1.0983	1.0906
L'T YR SEL'D	1.7439	1.4457	1.2276	1.0891	1.0526	1.0500	1.0406	1.0299	1.0100	1.0095	1.0090	1.0086	1.0081	1.0077	1.0073	1.0070	1.0066
EXP % REP'TD	22.6%	37.1%	52.9%	64.9%	70.0%	74.8%	79.4%	83.0%	85.7%	86.6%	87.4%	88.2%	89.0%	89.7%	90.4%	91.1%	91.7%

NOTES: BASED ON EXHIBIT WC EXP-13B.

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - EXPENSE

AGE - TO - AGE INCURRED EXPENSE DEVELOPMENT FACTORS - ADJUSTED EXPENSES

Accident Period Ending 6/30	MONTHS FROM / TO																		
	216	228	240	252	264	276	288	300	312	324	336	348	360	372	384	396	408	420	432
1987	1.1454	1.2118	0.7674	0.9928	1.0014	1.0051	0.9978	1.0000	1.0000	1.0046	1.0110	1.0030	0.9908	1.0024	1.0034	1.0224	0.9994	1.0293	
1988	1.1017	0.8731	1.0024	0.9920	1.0027	1.0021	0.9838	1.0151	1.0000	1.0045	1.0091	1.0000	0.9972	1.0014	1.0093	1.0115	1.0116		
1989	0.8909	1.0032	1.0000	1.0000	1.0003	1.0176	1.0087	1.0000	1.0000	1.0030	1.0005	0.9996	1.0005	1.0046	1.0043	1.0033			
1990	1.0047	1.0143	1.0016	1.0027	1.0025	1.0084	1.0110	1.0177	1.0101	0.9996	1.0049	1.0130	1.0506	1.0268	0.9998				
1991	1.0204	1.0053	1.0133	0.9964	0.9898	0.9978	1.0025	1.0048	1.0189	1.0035	1.0045	1.0499	1.0060	1.0208					
1992	0.9934	0.9994	1.0014	1.0019	1.0111	1.0019	1.0021	1.0101	1.0122	0.9953	1.0186	1.0567	1.0082						
1993	1.0008	0.9991	1.0000	1.0056	1.0084	1.0077	1.0036	1.0109	1.0266	1.0646	1.4706	0.9221							
1994	0.9993	1.0029	1.0050	1.0358	0.9964	1.0022	1.0171	0.9881	1.0353	1.0467	1.0300								
1995	1.0202	1.0196	1.0232	0.9979	0.9952	1.0132	1.0170	1.0291	1.0914	1.0326									
1996	1.0028	1.0064	1.0109	1.0027	1.0026	1.0159	1.0345	1.0455	1.1299										
1997	1.0078	1.0068	1.0047	0.9958	1.0002	1.0606	1.0648	1.0480											
1998	1.0036	0.9980	1.0088	1.0665	1.0404	1.0297	1.0021												
1999	1.0313	1.0072	1.0203	1.0617	1.0725	1.0106													
2000	0.9922	1.0125	1.0355	1.0560	1.0562														
2001	1.0047	1.1673	1.1143	0.9919															
2002	1.1561	1.0474	1.0422																
2003	1.0828	1.0015																	
2004	0.9805																		
2005																			
2006																			
2007																			
2008																			
2009																			
2010																			
2011																			
2012																			
2013																			
2014																			
2015																			
2016																			
2017																			
2018																			
2019																			
2020																			
2021																			
																			<u>TAIL</u>
VOL WTD 3	1.0659	1.0674	1.0656	1.0322	1.0568	1.0319	1.0331	1.0411	1.0873	1.0472	1.1449	1.0109	1.0200	1.0170	1.0044	1.0113			
VOL WTD 5	1.0408	1.0464	1.0476	1.0318	1.0362	1.0254	1.0269	1.0252	1.0548	1.0230	1.0859	1.0089	1.0116	1.0115					
VOL WTD ALL	1.0207	1.0181	0.9996	1.0109	1.0122	1.0121	1.0102	1.0144	1.0279	1.0135	1.0547	1.0069	1.0090	1.0115	1.0042	1.0113	1.0064	1.0293	
ARITH 3	1.0731	1.0721	1.0640	1.0365	1.0564	1.0336	1.0338	1.0409	1.0855	1.0480	1.1731	1.0096	1.0216	1.0174	1.0045	1.0124			
ARITH 5	1.0433	1.0472	1.0442	1.0344	1.0344	1.0260	1.0271	1.0243	1.0591	1.0285	1.1057	1.0083	1.0125	1.0112					
ARITH ALL	1.0244	1.0221	1.0032	1.0133	1.0128	1.0133	1.0121	1.0154	1.0324	1.0171	1.0687	1.0063	1.0089	1.0112	1.0042	1.0124	1.0055	1.0293	
EXCL. HI - LO	1.0245	1.0194	1.0121	1.0109	1.0098	1.0104	1.0096	1.0148	1.0243	1.0135	1.0130	1.0131	1.0030	1.0093	1.0038	1.0115			
SELECTED	1.0063	1.0060	1.0057	1.0054	1.0051	1.0049	1.0046	1.0044	1.0042	1.0040	1.0038	1.0036	1.0034	1.0032	1.0031	1.0029	1.0028	1.0026	1.0046
CUM SEL'D	1.0835	1.0767	1.0703	1.0643	1.0586	1.0532	1.0481	1.0432	1.0387	1.0344	1.0303	1.0264	1.0228	1.0193	1.0160	1.0129	1.0100	1.0072	1.0046
L'T YR SEL'D	1.0063	1.0060	1.0057	1.0054	1.0051	1.0049	1.0046	1.0044	1.0042	1.0040	1.0038	1.0036	1.0034	1.0032	1.0031	1.0029	1.0028	1.0026	1.0046
EXP % REP'TD	92.3%	92.9%	93.4%	94.0%	94.5%	95.0%	95.4%	95.9%	96.3%	96.7%	97.1%	97.4%	97.8%	98.1%	98.4%	98.7%	99.0%	99.3%	99.5%

NOTES: BASED ON EXHIBIT WC EXP-13B.

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - EXPENSE

INCURRED EXPENSE DEVELOPMENT

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204
1987										684	611	604	612	625	670	675	706
1988									1,010	958	913	933	950	972	985	1,063	1,085
1989								1,175	1,168	1,149	1,113	1,086	1,092	1,090	1,117	1,152	1,146
1990							744	746	741	738	726	903	723	720	719	724	732
1991						746	771	813	815	809	773	776	775	762	769	769	769
1992					861	875	904	910	906	917	902	892	891	884	884	887	914
1993				61	82	94	105	106	118	99	89	90	90	93	89	101	101
1994			47	68	85	90	100	107	113	113	82	83	87	89	102	101	105
1995		48	65	73	72	81	84	84	82	85	90	92	96	142	104	112	113
1996	27	56	72	83	74	100	102	103	108	130	141	146	161	166	163	167	171
1997	45	25	38	38	46	57	51	66	120	142	142	148	158	166	162	162	154
1998	24	39	44	55	76	78	102	147	193	212	225	226	227	228	227	215	216
1999	42	18	30	44	51	70	145	198	207	232	257	256	258	261	252	261	275
2000	14	27	44	46	98	225	292	323	363	390	419	415	407	413	400	404	397
2001	215	197	219	267	394	434	492	542	524	566	556	556	546	548	557	554	552
2002	13	45	113	235	351	415	467	542	577	577	574	546	545	560	561	562	569
2003	70	103	255	350	451	498	523	598	654	677	611	601	604	594	617	608	612
2004	39	156	249	324	441	560	699	756	794	756	738	711	694	693	697	702	742
2005	35	161	266	397	542	736	854	907	974	996	923	914	920	919	933	944	945
2006	85	191	342	453	620	893	1,012	1,163	1,195	1,171	1,101	1,089	1,083	1,087	1,128	1,157	1,197
2007	160	297	470	697	896	1,015	1,253	1,288	1,309	1,224	1,178	1,159	1,182	1,204	1,287	1,361	
2008	144	231	446	594	732	997	1,042	1,077	1,121	1,167	1,115	1,114	1,129	1,176	1,304		
2009	67	212	356	470	697	778	822	866	909	889	875	851	868	878			
2010	100	267	512	924	999	1,062	1,176	1,222	1,254	1,244	1,214	1,224	1,224				
2011	136	310	876	977	1,002	1,103	1,123	1,110	1,143	1,155	1,171	1,152					
2012	152	540	719	896	991	1,055	1,076	1,090	1,118	1,110	1,088						
2013	201	512	693	984	1,110	1,073	1,086	1,161	1,195	1,225							
2014	271	492	772	1,063	1,206	1,219	1,241	1,317	1,382								
2015	275	569	950	1,065	1,064	1,160	1,305	1,337									
2016	224	525	738	915	979	1,018	1,090										
2017	317	592	867	1,096	1,136	1,366											
2018	382	593	844	1,009	1,082												
2019	342	630	828	850													
2020	546	805	856														
2021	658	864															
2022	520																

NOTES: DATA BASED ON INFORMATION PROVIDED BY DHRM.
DATA IS GROSS OF RECOVERIES.
ALL DOLLARS ARE IN THOUSANDS.

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - EXPENSE

INCURRED EXPENSE DEVELOPMENT

Accident Period Ending 6/30	<u>AGE OF DEVELOPMENT IN MONTHS</u>																		
	216	228	240	252	264	276	288	300	312	324	336	348	360	372	384	396	408	420	432
1987	733	833	998	778	773	774	777	776	776	776	779	787	789	782	784	787	803	803	825
1988	1,159	1,260	1,121	1,123	1,116	1,118	1,120	1,105	1,119	1,119	1,123	1,132	1,132	1,129	1,131	1,140	1,151	1,162	
1989	1,206	1,082	1,085	1,085	1,085	1,085	1,103	1,112	1,112	1,112	1,115	1,116	1,115	1,116	1,121	1,125	1,129		
1990	732	736	748	749	751	753	760	770	785	794	794	798	810	855	881	880			
1991	774	792	796	808	805	796	794	796	800	817	820	824	870	875	895				
1992	920	912	912	913	915	927	929	932	943	956	951	972	1,036	1,046					
1993	100	101	100	100	103	108	113	115	122	138	179	495	418						
1994	109	108	110	113	134	132	134	144	137	159	189	209							
1995	114	126	138	152	151	148	156	167	186	247	271								
1996	154	156	160	167	168	170	180	202	233	323									
1997	155	160	164	167	164	165	203	246	280										
1998	224	227	225	231	272	299	319	321											
1999	272	292	296	310	352	404	412												
2000	403	397	406	430	470	511													
2001	547	550	668	761	754														
2002	567	673	710	745															
2003	700	763	764																
2004	833	816																	
2005	949																		
2006																			
2007																			
2008																			
2009																			
2010																			
2011																			
2012																			
2013																			
2014																			
2015																			
2016																			
2017																			
2018																			
2019																			
2020																			
2021																			
2022																			

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COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - EXPENSE

INCURRED EXPENSE DEVELOPMENT - ADJUSTED EXPENSES

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204
1987										684	605	594	601	606	643	635	662
1988									1,010	943	898	887	884	860	857	922	919
1989								1,175	1,166	1,143	1,094	1,060	1,051	1,042	1,062	1,090	1,084
1990								744	780	807	816	810	993	814	813	817	825
1991						746		807	845	870	880	848	857	858	848	855	855
1992					861	918	983	1,023	1,046	1,071	1,059	1,055	1,055	1,048	1,048	1,052	1,078
1993				293	386	456	509	549	585	581	577	582	583	585	582	594	594
1994			216	291	376	446	507	550	580	594	570	571	575	578	590	590	593
1995		134	220	285	362	433	488	525	550	565	569	572	575	621	584	592	592
1996	43	135	230	296	364	454	507	546	571	594	604	610	625	630	627	631	635
1997	70	130	216	282	369	442	487	528	582	604	604	610	620	628	624	624	616
1998	44	130	210	284	375	437	492	536	582	601	614	616	617	617	616	604	605
1999	71	130	219	291	372	440	515	568	578	603	628	627	628	631	623	631	645
2000	55	147	230	291	374	500	567	598	639	665	694	690	682	688	675	680	673
2001	221	270	351	418	545	585	643	693	675	717	707	707	697	699	708	705	703
2002	44	144	227	349	466	529	581	656	692	691	689	660	659	675	676	676	684
2003	80	164	315	411	512	559	584	659	715	737	672	662	665	655	678	669	672
2004	75	192	284	359	477	596	734	791	830	792	774	747	730	729	733	738	778
2005	35	161	266	397	542	736	854	907	974	996	923	914	920	919	933	944	945
2006	85	191	342	453	620	893	1,012	1,163	1,195	1,171	1,101	1,089	1,083	1,087	1,128	1,157	1,197
2007	160	297	470	697	896	1,015	1,253	1,288	1,309	1,224	1,178	1,159	1,182	1,204	1,287	1,361	
2008	144	231	446	594	732	997	1,042	1,077	1,121	1,167	1,115	1,114	1,129	1,176	1,304		
2009	67	212	356	470	697	778	822	866	909	889	875	851	868	878			
2010	100	267	512	924	999	1,062	1,176	1,222	1,254	1,244	1,214	1,224	1,224				
2011	136	310	876	977	1,002	1,103	1,123	1,110	1,143	1,155	1,171	1,152					
2012	152	540	719	896	991	1,055	1,076	1,090	1,118	1,110	1,088						
2013	201	512	693	984	1,110	1,073	1,086	1,161	1,195	1,225							
2014	271	492	772	1,063	1,206	1,219	1,241	1,317	1,382								
2015	275	569	950	1,065	1,064	1,160	1,305	1,337									
2016	224	525	738	915	979	1,018	1,090										
2017	317	592	867	1,096	1,136	1,366											
2018	382	593	844	1,009	1,082												
2019	342	630	828	850													
2020	546	805	856														
2021	658	864															
2022	520																

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COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - EXPENSE

INCURRED EXPENSE DEVELOPMENT - ADJUSTED EXPENSES

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																		
	216	228	240	252	264	276	288	300	312	324	336	348	360	372	384	396	408	420	432
1987	682	782	947	727	722	723	726	725	725	725	728	736	738	731	733	736	752	752	774
1988	993	1,094	955	957	950	952	954	939	953	953	957	966	966	963	965	974	985	996	
1989	1,144	1,019	1,023	1,023	1,023	1,023	1,041	1,050	1,050	1,050	1,053	1,054	1,053	1,054	1,059	1,063	1,067		
1990	825	829	841	842	844	846	854	863	878	887	887	891	903	948	974	974			
1991	860	878	882	894	891	882	880	882	886	903	906	910	956	961	981				
1992	1,084	1,077	1,076	1,078	1,080	1,092	1,094	1,096	1,107	1,121	1,115	1,136	1,201	1,210					
1993	593	593	593	593	596	601	606	608	614	631	671	987	910						
1994	597	597	598	601	623	621	622	633	625	647	677	698							
1995	594	606	618	632	631	628	636	647	666	727	750								
1996	618	620	624	631	632	634	644	666	697	787									
1997	617	622	626	629	626	627	665	708	742										
1998	614	616	615	620	661	688	709	710											
1999	642	662	667	680	722	774	783												
2000	678	673	681	705	745	787													
2001	698	701	819	912	905														
2002	681	787	825	859															
2003	761	824	825																
2004	868	851																	
2005	949																		
2006																			
2007																			
2008																			
2009																			
2010																			
2011																			
2012																			
2013																			
2014																			
2015																			
2016																			
2017																			
2018																			
2019																			
2020																			
2021																			
2022																			

NOTES: DATA BASED ON INFORMATION PROVIDED BY DHRM.
DATA IS GROSS OF RECOVERIES.
ALL DOLLARS ARE IN THOUSANDS.

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - EXPENSE

AGE - TO - AGE PAID EXPENSE DEVELOPMENT FACTORS

Accident Period Ending 6/30	MONTHS FROM / TO																
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204
1987	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204	216
1987									1.0236	1.0194	1.0036	1.0213	1.0157	1.0282	1.0158	1.0474	
1988									1.0400	1.0085	1.0475	1.0276	1.0564	1.0201	1.0179	1.0334	1.0605
1989								1.0317	1.0194	1.0204	1.0142	1.0171	1.0091	1.0089	1.0104	1.0097	1.0083
1990							1.0086	0.9932	1.0049	1.0006	1.0011	1.0028	1.0000	1.0025	1.0070	1.0088	0.9997
1991						1.0252	1.0604	1.0056	1.0004	1.0027	1.0010	1.0000	1.0000	1.0075	1.0038	1.0001	1.0050
1992					1.0306	1.0207	1.0063	1.0000	1.0021	1.0043	1.0000	1.0017	1.0043	1.0000	1.0039	1.0183	1.0023
1993				1.2136	1.2188	1.1769	1.0122	1.0322	1.0106	1.0078	1.0279	1.0154	1.0284	1.0000	1.1302	1.0041	1.0172
1994			1.2963	1.2922	1.0677	1.0133	1.0536	1.0345	1.0161	1.0057	1.0220	1.0514	1.0271	1.1353	1.0042	1.0370	1.0352
1995		1.2584	1.1723	1.0652	1.0881	1.0159	1.0452	1.0048	1.0430	1.1011	1.0118	1.0209	1.0346	1.0186	1.1128	1.0128	1.0136
1996	1.8298	2.4840	1.1067	1.0766	1.0782	1.0291	1.0129	1.0855	1.1724	1.0759	1.1629	1.0701	1.0413	1.0463	1.0033	1.0196	1.0000
1997	1.3450	1.2795	1.0000	1.1198	1.2005	1.0516	1.3246	1.6296	1.2316	1.0473	1.0769	1.0462	1.0846	1.0169	1.0118	1.0084	1.0002
1998	1.6247	1.1260	1.1067	1.2637	1.1388	1.3378	1.4712	1.2385	1.0735	1.0631	1.0634	1.0325	1.0277	1.0170	1.0064	1.0054	1.0169
1999	1.1119	1.2045	1.5010	1.2285	1.5827	2.0248	1.3885	1.1002	1.1094	1.1339	1.0781	1.0194	1.0118	1.0233	1.0170	1.0360	1.0293
2000	8.4359	2.7857	1.2956	2.8201	1.9389	1.3620	1.1624	1.1843	1.0881	1.0915	1.0184	1.0084	1.0276	1.0046	1.0173	1.0002	1.0059
2001	1.5140	1.4008	1.6049	1.7814	1.3001	1.1604	1.1310	1.0660	1.1434	1.0368	1.0239	1.0184	1.0247	1.0245	1.0099	1.0062	1.0073
2002	2.6101	3.2252	1.8405	1.3840	1.2699	1.1818	1.1289	1.1131	1.0558	1.0430	1.0461	1.0235	1.0067	1.0002	1.0080	1.0140	1.0033
2003	2.0703	2.4840	1.3440	1.3695	1.1880	1.1177	1.1030	1.1167	1.0592	1.0681	1.0019	1.0097	1.0002	1.0039	1.0040	1.0034	1.1204
2004	15.6934	1.6901	1.3634	1.4191	1.2312	1.2877	1.0737	1.0744	1.0572	1.0376	1.0090	1.0044	1.0030	1.0055	1.0064	1.0415	1.0597
2005	4.7580	1.7645	1.7205	1.3988	1.3554	1.1129	1.1339	1.0808	1.0835	1.0352	1.0274	1.0192	1.0088	1.0183	1.0120	1.0075	1.0040
2006	3.3235	1.9501	1.5322	1.4105	1.2555	1.1748	1.1219	1.0534	1.0629	1.0259	1.0309	1.0162	1.0117	1.0366	1.0164	1.0088	
2007	2.7974	1.7832	1.5534	1.2281	1.2001	1.1414	1.0813	1.0552	1.0651	1.0331	1.0038	1.0089	1.0178	1.0163	1.0103		
2008	3.4770	1.9955	1.4574	1.3534	1.1599	1.1468	1.0694	1.0922	1.1002	1.0475	1.0354	1.0271	1.0172	1.0164			
2009	5.0012	1.8569	1.5721	1.2717	1.1269	1.1267	1.0941	1.1336	1.0970	1.0136	1.0201	1.0153	1.0121				
2010	3.7988	2.1730	1.4227	1.2633	1.0884	1.1459	1.1224	1.1204	1.0587	1.0361	1.0135	1.0081					
2011	3.3369	1.8296	1.2903	1.2222	1.2162	1.1537	1.0746	1.0911	1.0722	1.0388	1.0168						
2012	3.2209	1.5261	1.2499	1.2110	1.2098	1.1543	1.1328	1.0822	1.0550	1.0116							
2013	2.4362	1.5415	1.4654	1.1626	1.1230	1.0797	1.1039	1.0590	1.0510								
2014	4.4466	1.6747	1.5828	1.2328	1.1295	1.0949	1.0818	1.0598									
2015	3.8727	1.9363	1.2730	1.1286	1.1369	1.1049	1.1084										
2016	3.5571	1.7028	1.3788	1.2243	1.1489	1.0829											
2017	3.3650	1.6907	1.3339	1.2263	1.1652												
2018	2.7355	1.6731	1.2758	1.1591													
2019	2.8463	1.4717	1.1978														
2020	1.8072	1.2965															
2021	2.5975																
VOL WTD 3	2.3005	1.4534	1.2686	1.2029	1.1513	1.0940	1.0971	1.0663	1.0595	1.0294	1.0164	1.0166	1.0160	1.0228	1.0129	1.0167	1.0527
VOL WTD 5	2.4833	1.5333	1.2888	1.1951	1.1412	1.1014	1.0991	1.0822	1.0651	1.0305	1.0174	1.0149	1.0139	1.0196	1.0108	1.0143	1.0372
VOL WTD ALL	2.8596	1.6815	1.3909	1.2595	1.1726	1.1261	1.0932	1.0706	1.0574	1.0300	1.0208	1.0142	1.0152	1.0147	1.0126	1.0141	1.0250
ARITH 3	2.4170	1.4804	1.2692	1.2032	1.1503	1.0942	1.0980	1.0670	1.0594	1.0289	1.0168	1.0169	1.0157	1.0231	1.0129	1.0193	1.0614
ARITH 5	2.6703	1.5670	1.2919	1.1942	1.1407	1.1034	1.1003	1.0825	1.0668	1.0295	1.0179	1.0151	1.0135	1.0186	1.0098	1.0151	1.0389
ARITH ALL	3.6005	1.7442	1.3867	1.3279	1.2173	1.1663	1.1195	1.0976	1.0682	1.0390	1.0309	1.0195	1.0207	1.0199	1.0210	1.0146	1.0230
EXCL. HI - LO	3.2003	1.7123	1.3839	1.2767	1.1950	1.1369	1.1096	1.0798	1.0642	1.0366	1.0265	1.0181	1.0187	1.0152	1.0162	1.0139	1.0186
SELECTED	2.5819	1.6001	1.3087	1.2106	1.1488	1.1087	1.0963	1.0780	1.0610	1.0305	1.0200	1.0190	1.0180	1.0171	1.0163	1.0154	1.0147
CUM SEL'D	14.8347	5.7456	3.5908	2.7438	2.2665	1.9729	1.7794	1.6232	1.5057	1.4191	1.3770	1.3500	1.3249	1.3014	1.2795	1.2590	1.2399
L'T YR SEL'D	2.5819	1.6446	1.3301	1.2190	1.1438	1.1108	1.0943	1.0830	1.0638	1.0326	1.0200	1.0190	1.0180	1.0171	1.0163	1.0154	1.0147
EXP % PAID	6.7%	17.4%	27.8%	36.4%	44.1%	50.7%	56.2%	61.6%	66.4%	70.5%	72.6%	74.1%	75.5%	76.8%	78.2%	79.4%	80.7%

NOTES: BASED ON EXHIBIT WC EXP-15.

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - EXPENSE

AGE - TO - AGE PAID EXPENSE DEVELOPMENT FACTORS

Accident Period Ending 6/30	MONTHS FROM / TO																		
	216	228	240	252	264	276	288	300	312	324	336	348	360	372	384	396	408	420	432
1987	1.1037	1.0505	1.0232	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0043	1.0000	1.0014	1.0014	1.0016	1.0028	1.0052	1.0052
1988	1.0785	1.0069	1.0011	1.0000	1.0023	1.0018	0.9870	1.0066	1.0004	1.0010	1.0014	1.0019	1.0005	1.0010	1.0091	1.0077	1.0029		
1989	1.0034	1.0030	1.0000	1.0000	1.0003	1.0157	1.0081	1.0000	1.0000	1.0025	1.0005	1.0004	1.0004	1.0044	1.0042	1.0000			
1990	1.0051	1.0131	1.0010	1.0039	1.0029	1.0095	1.0037	1.0087	1.0093	1.0051	1.0037	1.0088	1.0134	1.0318	1.0105				
1991	1.0130	1.0029	1.0069	1.0035	1.0007	1.0002	1.0027	1.0021	1.0070	1.0062	1.0020	1.0273	1.0148	1.0181					
1992	1.0043	1.0028	1.0016	1.0007	1.0074	1.0038	1.0031	1.0030	1.0098	1.0023	1.0135	1.0062	1.0072						
1993	1.0051	1.0000	1.0000	1.0220	1.0409	1.0069	1.0157	1.0357	1.1258	1.3587	1.2037	1.0802							
1994	1.0179	1.0171	1.0130	1.1228	1.0226	1.0119	1.0250	1.0095	1.0808	1.1266	1.0484								
1995	1.0544	1.0489	1.0383	1.0215	1.0142	1.0402	1.0397	1.1295	1.1521	1.0601									
1996	1.0079	1.0366	1.0573	1.0197	1.0077	1.0281	1.1385	1.1282	1.0736										
1997	1.0218	1.0079	1.0110	1.0131	1.0006	1.1485	1.1689	1.0390											
1998	1.0074	1.0047	1.0158	1.0125	1.0804	1.0627	1.0379												
1999	1.0267	1.0165	1.0211	1.0916	1.1059	1.0159													
2000	1.0101	1.0128	1.0618	1.0354	1.0290														
2001	1.0060	1.0610	1.0725	1.0250															
2002	1.0907	0.9891	1.0183																
2003	0.9652	1.0159																	
2004	1.0056																		
2005																			
2006																			
2007																			
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2019																			
2020																			
2021																			
																			<u>TAIL</u>
VOL WTD 3	1.0161	1.0205	1.0491	1.0427	1.0656	1.0595	1.1043	1.0938	1.1004	1.1631	1.0432	1.0226	1.0115	1.0165	1.0077	1.0036			
VOL WTD 5	1.0134	1.0188	1.0417	1.0359	1.0504	1.0521	1.0823	1.0715	1.0477	1.0369	1.0208	1.0134	1.0064	1.0102					
VOL WTD ALL	1.0252	1.0142	1.0158	1.0116	1.0121	1.0128	1.0117	1.0118	1.0142	1.0149	1.0111	1.0094	1.0057	1.0102	1.0065	1.0036	1.0038	1.0052	
ARITH 3	1.0205	1.0220	1.0509	1.0507	1.0718	1.0757	1.1151	1.0989	1.1022	1.1818	1.0885	1.0379	1.0118	1.0181	1.0079	1.0035			
ARITH 5	1.0155	1.0191	1.0379	1.0355	1.0447	1.0591	1.0820	1.0684	1.0884	1.1108	1.0543	1.0246	1.0073	1.0113					
ARITH ALL	1.0237	1.0170	1.0214	1.0248	1.0225	1.0266	1.0359	1.0329	1.0459	1.0625	1.0347	1.0178	1.0063	1.0113	1.0063	1.0035	1.0040	1.0052	
EXCL. HI - LO	1.0224	1.0160	1.0193	1.0192	1.0174	1.0179	1.0274	1.0259	1.0383	1.0291	1.0122	1.0089	1.0056	1.0079	1.0067	1.0028			
SELECTED	1.0139	1.0132	1.0126	1.0119	1.0113	1.0108	1.0102	1.0097	1.0092	1.0088	1.0083	1.0079	1.0075	1.0071	1.0068	1.0064	1.0061	1.0058	1.0343
CUM SEL'D	1.2220	1.2052	1.1894	1.1747	1.1609	1.1478	1.1356	1.1241	1.1133	1.1032	1.0936	1.0846	1.0761	1.0681	1.0605	1.0534	1.0467	1.0403	1.0343
L'T YR SEL'D	1.0139	1.0132	1.0126	1.0119	1.0113	1.0108	1.0102	1.0097	1.0092	1.0088	1.0083	1.0079	1.0075	1.0071	1.0068	1.0064	1.0061	1.0403	
EXP % PAID	81.8%	83.0%	84.1%	85.1%	86.1%	87.1%	88.1%	89.0%	89.8%	90.6%	91.4%	92.2%	92.9%	93.6%	94.3%	94.9%	95.5%	96.1%	96.7%

NOTES: BASED ON EXHIBIT WC EXP-15.

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - EXPENSE

AGE - TO - AGE PAID EXPENSE DEVELOPMENT FACTORS - ADJUSTED EXPENSES

Accident Period Ending 6/30	MONTHS FROM / TO																
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204
1987	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204	216
1987									1.0125	1.0116	1.0043	1.0050	1.0033	1.0067	1.0098	1.0387	
1988								1.0291	1.0206	1.0089	1.0083	1.0031	1.0036	1.0024	1.0048	1.0070	1.0731
1989								1.0162	1.0070	1.0066	1.0024	1.0028	1.0019	1.0038	1.0104	1.0088	
1990							1.0560	1.0200	1.0087	1.0081	1.0030	1.0035	1.0023	1.0062	1.0078	0.9997	
1991						1.0765	1.0534	1.0346	1.0192	1.0083	1.0077	1.0029	1.0033	1.0067	1.0034	1.0001	1.0045
1992					1.0834	1.0592	1.0420	1.0275	1.0154	1.0067	1.0062	1.0023	1.0037	1.0000	1.0033	1.0155	1.0020
1993				1.2980	1.1931	1.1243	1.0832	1.0524	1.0286	1.0122	1.0114	1.0022	1.0041	1.0000	1.0190	1.0007	1.0028
1994			1.3176	1.2980	1.1931	1.1243	1.0832	1.0524	1.0286	1.0122	1.0030	1.0073	1.0040	1.0204	1.0007	1.0062	1.0061
1995		1.6287	1.3176	1.2980	1.1931	1.1243	1.0832	1.0524	1.0286	1.0145	1.0018	1.0033	1.0055	1.0031	1.0189	1.0023	1.0025
1996	3.0238	1.6287	1.3176	1.2980	1.1931	1.1243	1.0832	1.0524	1.0255	1.0128	1.0293	1.0142	1.0088	1.0102	1.0008	1.0045	1.0000
1997	3.0238	1.6287	1.3176	1.2980	1.1931	1.1243	1.0832	1.0675	1.0379	1.0092	1.0155	1.0099	1.0187	1.0040	1.0028	1.0020	1.0001
1998	3.0238	1.6287	1.3176	1.2980	1.1931	1.1243	1.0871	1.0597	1.0215	1.0194	1.0203	1.0109	1.0094	1.0059	1.0023	1.0019	1.0060
1999	3.0238	1.6287	1.3176	1.2980	1.1931	1.1317	1.0893	1.0294	1.0343	1.0450	1.0285	1.0074	1.0046	1.0091	1.0067	1.0144	1.0119
2000	3.0238	1.6287	1.3176	1.2980	1.2131	1.1313	1.0709	1.0873	1.0455	1.0491	1.0103	1.0047	1.0156	1.0026	1.0099	1.0001	1.0034
2001	3.0238	1.6287	1.3176	1.3511	1.1778	1.1049	1.0900	1.0470	1.1040	1.0276	1.0181	1.0140	1.0189	1.0188	1.0076	1.0048	1.0057
2002	3.0238	1.6287	1.3788	1.2310	1.1825	1.1320	1.0977	1.0882	1.0445	1.0347	1.0374	1.0193	1.0055	1.0002	1.0066	1.0116	1.0027
2003	3.0238	1.7771	1.2518	1.2904	1.1568	1.1008	1.0895	1.1027	1.0528	1.0610	1.0017	1.0088	1.0002	1.0035	1.0036	1.0031	1.1089
2004	3.2478	1.5101	1.3007	1.3635	1.2087	1.2645	1.0690	1.0699	1.0540	1.0356	1.0085	1.0042	1.0028	1.0052	1.0061	1.0395	1.0568
2005	4.7580	1.7645	1.7205	1.3988	1.3554	1.1129	1.1339	1.0808	1.0835	1.0352	1.0274	1.0192	1.0088	1.0183	1.0120	1.0075	1.0040
2006	3.3235	1.9501	1.5322	1.4105	1.2555	1.1748	1.1219	1.0534	1.0629	1.0259	1.0309	1.0162	1.0117	1.0366	1.0164	1.0088	
2007	2.7974	1.7832	1.5534	1.2281	1.2001	1.1414	1.0813	1.0552	1.0651	1.0331	1.0038	1.0089	1.0178	1.0163	1.0103		
2008	3.4770	1.9955	1.4574	1.3534	1.1599	1.1468	1.0694	1.0922	1.1002	1.0475	1.0354	1.0271	1.0172	1.0164			
2009	5.0012	1.8569	1.5721	1.2717	1.1269	1.1267	1.0941	1.1336	1.0970	1.0136	1.0201	1.0153	1.0121				
2010	3.7988	2.1730	1.4227	1.2633	1.0884	1.1459	1.1224	1.1204	1.0587	1.0361	1.0135	1.0081					
2011	3.3369	1.8296	1.2903	1.2222	1.2162	1.1537	1.0746	1.0911	1.0722	1.0388	1.0168						
2012	3.2209	1.5261	1.2499	1.2110	1.2098	1.1543	1.1328	1.0822	1.0550	1.0116							
2013	2.4362	1.5415	1.4654	1.1626	1.1230	1.0797	1.1039	1.0590	1.0510								
2014	4.4466	1.6747	1.5828	1.2328	1.1295	1.0949	1.0818	1.0598									
2015	3.8727	1.9363	1.2730	1.1286	1.1369	1.1049	1.1084										
2016	3.5571	1.7028	1.3788	1.2243	1.1489	1.0829											
2017	3.3650	1.6907	1.3339	1.2263	1.1652												
2018	2.7355	1.6731	1.2758	1.1591													
2019	2.8463	1.4717	1.1978														
2020	1.8072	1.2965															
2021	2.5975																
VOL WTD 3	2.3005	1.4534	1.2686	1.2029	1.1513	1.0940	1.0971	1.0663	1.0595	1.0294	1.0164	1.0166	1.0160	1.0228	1.0129	1.0164	1.0505
VOL WTD 5	2.4833	1.5333	1.2888	1.1951	1.1412	1.1014	1.0991	1.0822	1.0651	1.0305	1.0174	1.0149	1.0139	1.0195	1.0105	1.0135	1.0335
VOL WTD ALL	2.9532	1.6669	1.3685	1.2570	1.1717	1.1223	1.0878	1.0655	1.0488	1.0242	1.0153	1.0094	1.0085	1.0094	1.0074	1.0083	1.0174
ARITH 3	2.4170	1.4804	1.2692	1.2032	1.1503	1.0942	1.0980	1.0670	1.0594	1.0289	1.0168	1.0169	1.0157	1.0231	1.0129	1.0186	1.0566
ARITH 5	2.6703	1.5670	1.2919	1.1942	1.1407	1.1034	1.1003	1.0825	1.0668	1.0295	1.0179	1.0151	1.0135	1.0186	1.0097	1.0141	1.0356
ARITH ALL	3.2621	1.6994	1.3761	1.2736	1.1804	1.1256	1.0879	1.0660	1.0478	1.0241	1.0153	1.0091	1.0082	1.0085	1.0072	1.0079	1.0178
EXCL. HI - LO	3.2503	1.6964	1.3692	1.2739	1.1771	1.1226	1.0879	1.0648	1.0468	1.0233	1.0149	1.0086	1.0080	1.0075	1.0070	1.0066	1.0135
SELECTED	2.5819	1.6001	1.3087	1.2106	1.1488	1.1087	1.0963	1.0780	1.0610	1.0305	1.0200	1.0190	1.0180	1.0171	1.0163	1.0154	1.0147
CUM SEL'D	14.8347	5.7456	3.5908	2.7438	2.2665	1.9729	1.7794	1.6232	1.5057	1.4191	1.3770	1.3500	1.3249	1.3014	1.2795	1.2590	1.2399
L'T YR SEL'D	2.5819	1.6446	1.3301	1.2190	1.1438	1.1108	1.0943	1.0830	1.0638	1.0326	1.0200	1.0190	1.0180	1.0171	1.0163	1.0154	1.0147
EXP % REP'TD	6.7%	17.4%	27.8%	36.4%	44.1%	50.7%	56.2%	61.6%	66.4%	70.5%	72.6%	74.1%	75.5%	76.8%	78.2%	79.4%	80.7%

NOTES: BASED ON EXHIBIT WC EXP-15B.

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - EXPENSE

AGE - TO - AGE PAID EXPENSE DEVELOPMENT FACTORS - ADJUSTED EXPENSES

Accident Period Ending 6/30	MONTHS FROM / TO																		
	216	228	240	252	264	276	288	300	312	324	336	348	360	372	384	396	408	420	432
1987	1.1125	1.0544	1.0249	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0046	1.0000	1.0015	1.0015	1.0017	1.0030	1.0055	1.0055	
1988	1.0936	1.0081	1.0013	1.0000	1.0027	1.0021	0.9848	1.0077	1.0004	1.0011	1.0016	1.0022	1.0006	1.0012	1.0107	1.0091	1.0034		
1989	1.0036	1.0032	1.0000	1.0000	1.0003	1.0167	1.0086	1.0000	1.0000	1.0026	1.0005	1.0005	1.0004	1.0046	1.0045	1.0000			
1990	1.0045	1.0116	1.0009	1.0034	1.0025	1.0084	1.0033	1.0077	1.0083	1.0045	1.0033	1.0079	1.0120	1.0284	1.0094				
1991	1.0117	1.0026	1.0062	1.0032	1.0007	1.0002	1.0025	1.0019	1.0063	1.0056	1.0018	1.0247	1.0134	1.0164					
1992	1.0036	1.0023	1.0014	1.0006	1.0062	1.0032	1.0027	1.0025	1.0083	1.0019	1.0115	1.0053	1.0061						
1993	1.0008	1.0000	1.0000	1.0037	1.0069	1.0012	1.0028	1.0063	1.0230	1.0722	1.0519	1.0234							
1994	1.0032	1.0031	1.0024	1.0228	1.0046	1.0025	1.0052	1.0020	1.0174	1.0289	1.0121								
1995	1.0101	1.0095	1.0077	1.0045	1.0030	1.0086	1.0088	1.0295	1.0380	1.0167									
1996	1.0018	1.0086	1.0138	1.0050	1.0020	1.0072	1.0362	1.0368	1.0230										
1997	1.0053	1.0019	1.0027	1.0033	1.0002	1.0375	1.0472	1.0122											
1998	1.0026	1.0017	1.0057	1.0045	1.0295	1.0242	1.0151												
1999	1.0111	1.0070	1.0090	1.0394	1.0478	1.0076													
2000	1.0059	1.0075	1.0361	1.0212	1.0176														
2001	1.0046	1.0475	1.0572	1.0201															
2002	1.0751	0.9908	1.0154																
2003	0.9682	1.0145																	
2004	1.0054																		
2005																			
2006																			
2007																			
2008																			
2009																			
2010																			
2011																			
2012																			
2013																			
2014																			
2015																			
2016																			
2017																			
2018																			
2019																			
2020																			
2021																			
																			<u>TAIL</u>
VOL WTD 3	1.0145	1.0173	1.0363	1.0264	1.0315	1.0224	1.0328	1.0260	1.0262	1.0386	1.0227	1.0164	1.0102	1.0158	1.0081	1.0040			
VOL WTD 5	1.0110	1.0134	1.0255	1.0181	1.0198	1.0168	1.0227	1.0176	1.0203	1.0207	1.0142	1.0112	1.0063	1.0105					
VOL WTD ALL	1.0177	1.0098	1.0108	1.0078	1.0081	1.0086	1.0081	1.0085	1.0107	1.0118	1.0094	1.0085	1.0056	1.0105	1.0068	1.0040	1.0043	1.0055	
ARITH 3	1.0162	1.0176	1.0362	1.0269	1.0316	1.0231	1.0329	1.0262	1.0261	1.0393	1.0252	1.0178	1.0105	1.0165	1.0082	1.0040			
ARITH 5	1.0118	1.0135	1.0247	1.0177	1.0194	1.0170	1.0225	1.0174	1.0219	1.0251	1.0161	1.0124	1.0065	1.0104					
ARITH ALL	1.0180	1.0103	1.0115	1.0088	1.0089	1.0092	1.0098	1.0097	1.0125	1.0148	1.0109	1.0091	1.0057	1.0104	1.0066	1.0040	1.0044	1.0055	
EXCL. HI - LO	1.0152	1.0086	1.0091	1.0071	1.0064	1.0074	1.0085	1.0078	1.0108	1.0088	1.0058	1.0078	1.0051	1.0075	1.0069	1.0030			
SELECTED	1.0139	1.0132	1.0126	1.0119	1.0113	1.0108	1.0102	1.0097	1.0092	1.0088	1.0083	1.0079	1.0075	1.0071	1.0068	1.0064	1.0061	1.0058	1.0343
CUM SEL'D	1.2220	1.2052	1.1894	1.1747	1.1609	1.1478	1.1356	1.1241	1.1133	1.1032	1.0936	1.0846	1.0761	1.0681	1.0605	1.0534	1.0467	1.0403	1.0343
L'T YR SEL'D	1.0139	1.0132	1.0126	1.0119	1.0113	1.0108	1.0102	1.0097	1.0092	1.0088	1.0083	1.0079	1.0075	1.0071	1.0068	1.0064	1.0061	1.0403	
EXP % REP'TD	81.8%	83.0%	84.1%	85.1%	86.1%	87.1%	88.1%	89.0%	89.8%	90.6%	91.4%	92.2%	92.9%	93.6%	94.3%	94.9%	95.5%	96.1%	96.7%

NOTES: BASED ON EXHIBIT WC EXP-15B.

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - EXPENSE

PAID EXPENSE DEVELOPMENT

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																	
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204	
1987																		
1988									755	786	548	561	572	574	586	595	612	622
1989								930	959	978	998	1,012	1,029	1,038	1,048	1,059	1,069	
1990							709	715	710	714	714	715	717	719	724	730		
1991						691	708	751	755	756	758	758	758	758	764	767	767	
1992					824	849	867	872	872	874	878	878	878	879	883	883	887	903
1993				42	51	63	74	75	77	78	79	81	82	84	84	95	96	
1994			39	50	65	70	71	74	77	78	79	80	84	87	98	99	102	
1995		42	53	62	66	72	73	77	77	80	88	90	91	95	96	107	109	
1996	27	49	50	61	66	71	73	74	81	94	102	118	126	132	138	138	141	
1997	17	23	30	30	33	40	42	55	90	111	117	126	131	142	145	147	148	
1998	23	37	41	46	58	66	88	130	161	173	184	195	202	207	211	212	213	
1999	14	16	19	28	34	55	111	153	169	187	212	229	233	236	242	246	255	
2000	1	8	22	29	81	157	213	248	294	320	349	355	358	368	370	376	376	
2001	36	55	77	123	220	285	331	375	399	457	473	485	494	506	518	523	527	
2002	11	29	94	173	239	304	359	405	451	476	496	519	531	535	535	539	547	
2003	32	67	166	223	306	364	406	448	501	530	566	567	573	573	575	577	579	
2004	6	101	172	234	332	409	526	565	607	642	666	672	675	677	681	685	713	
2005	20	94	166	285	398	540	601	681	736	798	826	849	865	873	888	899	906	
2006	38	125	244	374	528	663	778	873	920	978	1,003	1,034	1,051	1,063	1,102	1,120	1,130	
2007	69	194	346	538	661	793	905	979	1,033	1,100	1,136	1,141	1,151	1,171	1,190	1,203		
2008	42	145	290	422	572	663	760	813	888	977	1,024	1,060	1,089	1,107	1,126			
2009	24	122	226	355	452	509	573	627	711	780	791	807	819	829				
2010	46	174	378	537	679	739	846	950	1,064	1,127	1,168	1,183	1,193					
2011	60	202	369	476	582	707	816	877	957	1,026	1,066	1,084						
2012	72	231	352	440	533	645	744	843	913	963	974							
2013	104	255	392	575	669	751	811	895	948	996								
2014	54	239	399	632	779	880	964	1,043	1,105									
2015	60	232	450	573	647	735	812	900										
2016	67	238	405	558	684	786	851											
2017	85	285	482	643	788	918												
2018	105	288	482	616	713													
2019	118	335	493	590														
2020	245	443	574															
2021	191	496																
2022	168																	

NOTES: DATA BASED ON INFORMATION PROVIDED BY DHRM.
DATA IS GROSS OF RECOVERIES.
ALL DOLLARS ARE IN THOUSANDS.

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - EXPENSE

PAID EXPENSE DEVELOPMENT

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																		
	216	228	240	252	264	276	288	300	312	324	336	348	360	372	384	396	408	420	432
1987	651	719	755	773	773	773	773	773	773	773	773	776	776	777	778	779	782	786	790
1988	1,025	1,106	1,113	1,115	1,115	1,117	1,119	1,105	1,112	1,112	1,113	1,115	1,117	1,118	1,119	1,129	1,138	1,141	
1989	1,078	1,082	1,085	1,085	1,085	1,085	1,102	1,111	1,111	1,111	1,114	1,114	1,115	1,115	1,120	1,125	1,125		
1990	730	734	743	744	747	749	756	759	765	773	776	779	786	797	822	831			
1991	771	781	783	789	791	792	792	794	796	801	806	808	830	842	858				
1992	905	909	911	913	913	920	924	927	929	938	940	953	959	966					
1993	97	98	98	98	100	104	105	106	110	124	169	203	219						
1994	106	108	110	111	125	128	129	133	134	145	163	171							
1995	110	116	122	126	129	131	136	142	160	184	195								
1996	141	142	147	156	159	160	164	187	211	227									
1997	148	151	152	154	156	156	179	209	218										
1998	217	218	220	223	226	244	259	269											
1999	262	269	274	279	305	337	343												
2000	379	382	387	411	426	438													
2001	531	534	566	607	622														
2002	549	598	592	603															
2003	649	627	637																
2004	756	760																	
2005	910																		
2006																			
2007																			
2008																			
2009																			
2010																			
2011																			
2012																			
2013																			
2014																			
2015																			
2016																			
2017																			
2018																			
2019																			
2020																			
2021																			
2022																			

NOTES: DATA BASED ON INFORMATION PROVIDED BY DHRM.
DATA IS GROSS OF RECOVERIES.
ALL DOLLARS ARE IN THOUSANDS.

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - EXPENSE

PAID EXPENSE DEVELOPMENT - ADJUSTED EXPENSES

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204
1987										548	555	561	564	567	568	572	578
1988									755	771	778	784	787	790	791	795	801
1989									930	957	972	979	986	988	991	993	1,007
1990							709	749	776	791	798	805	807	810	812	817	823
1991						691	744	783	810	826	833	839	842	845	850	853	853
1992					824	893	946	985	1,012	1,028	1,035	1,041	1,044	1,047	1,047	1,051	1,067
1993				274	356	425	478	517	544	560	567	573	575	577	577	588	588
1994			208	274	356	425	478	517	544	560	567	569	573	575	587	587	591
1995		128	208	274	356	425	478	517	544	560	568	569	571	574	576	587	588
1996	42	128	208	274	356	425	478	517	544	558	566	582	590	596	602	602	605
1997	42	128	208	274	356	425	478	517	552	573	578	587	593	604	607	608	610
1998	42	128	208	274	356	425	478	519	550	562	573	585	591	597	600	601	603
1999	42	128	208	274	356	425	481	524	539	558	583	599	604	606	612	616	625
2000	42	128	208	274	356	432	489	523	569	595	624	631	634	643	645	652	652
2001	42	128	208	274	371	437	482	526	550	608	625	636	645	657	669	675	678
2002	42	128	208	287	353	418	473	519	565	590	611	634	646	649	649	654	661
2003	42	128	227	284	367	425	467	509	561	591	627	628	634	634	636	638	640
2004	42	137	207	270	368	444	562	601	643	678	702	708	711	713	716	721	749
2005	20	94	166	285	398	540	601	681	736	798	826	849	865	873	888	899	906
2006	38	125	244	374	528	663	778	873	920	978	1,003	1,034	1,051	1,063	1,102	1,120	1,130
2007	69	194	346	538	661	793	905	979	1,033	1,100	1,136	1,141	1,151	1,171	1,190	1,203	
2008	42	145	290	422	572	663	760	813	888	977	1,024	1,060	1,089	1,107	1,126		
2009	24	122	226	355	452	509	573	627	711	780	791	807	819	829			
2010	46	174	378	537	679	739	846	950	1,064	1,127	1,168	1,183	1,193				
2011	60	202	369	476	582	707	816	877	957	1,026	1,066	1,084					
2012	72	231	352	440	533	645	744	843	913	963	974						
2013	104	255	392	575	669	751	811	895	948	996							
2014	54	239	399	632	779	880	964	1,043	1,105								
2015	60	232	450	573	647	735	812	900									
2016	67	238	405	558	684	786	851										
2017	85	285	482	643	788	918											
2018	105	288	482	616	713												
2019	118	335	493	590													
2020	245	443	574														
2021	191	496															
2022	168																

NOTES: DATA BASED ON INFORMATION PROVIDED BY DHRM.
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COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - EXPENSE

PAID EXPENSE DEVELOPMENT - ADJUSTED EXPENSES

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																			
	216	228	240	252	264	276	288	300	312	324	336	348	360	372	384	396	408	420	432	
1987	600	668	704	722	722	722	722	722	722	722	722	722	725	725	726	727	728	731	735	739
1988	859	940	947	949	949	951	953	939	946	946	947	949	951	952	953	963	972	975		
1989	1,016	1,019	1,023	1,023	1,023	1,023	1,040	1,049	1,049	1,049	1,052	1,052	1,053	1,053	1,058	1,063	1,063			
1990	823	827	836	837	840	842	849	852	858	866	870	872	879	890	915	924				
1991	857	867	869	875	877	878	878	880	882	888	893	894	916	929	944					
1992	1,069	1,073	1,076	1,077	1,078	1,084	1,088	1,091	1,094	1,103	1,105	1,118	1,123	1,130						
1993	590	590	590	590	593	597	597	599	603	617	661	696	712							
1994	594	596	598	600	613	616	618	621	622	633	651	659								
1995	590	596	601	606	609	611	616	621	640	664	675									
1996	605	606	611	620	623	624	628	651	675	691										
1997	610	613	614	616	618	618	641	671	679											
1998	606	608	609	612	615	633	649	658												
1999	632	639	644	650	675	707	713													
2000	654	658	663	687	701	713														
2001	682	685	717	758	774															
2002	663	713	706	717																
2003	710	688	698																	
2004	792	796																		
2005	910																			
2006																				
2007																				
2008																				
2009																				
2010																				
2011																				
2012																				
2013																				
2014																				
2015																				
2016																				
2017																				
2018																				
2019																				
2020																				
2021																				
2022																				

NOTES: DATA BASED ON INFORMATION PROVIDED BY DHRM.
DATA IS GROSS OF RECOVERIES.
ALL DOLLARS ARE IN THOUSANDS.

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - EXPENSE

PAID EXPENSE (\$000'S)

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204
1987										548	561	572	574	586	595	612	622
1988									755	786	792	830	853	901	919	936	967
1989								930	959	978	998	1,012	1,029	1,038	1,048	1,059	1,069
1990							709	715	710	714	714	715	717	717	719	724	730
1991						691	708	751	755	756	758	758	758	764	767	767	767
1992					824	849	867	872	872	874	878	878	879	883	883	887	903
1993				42	51	63	74	75	77	78	79	81	82	84	84	95	96
1994			39	50	65	70	71	74	77	78	79	80	84	87	98	99	102
1995		42	53	62	66	72	73	77	77	80	88	90	91	95	96	107	109
1996	27	49	50	61	66	71	73	74	81	94	102	118	126	132	138	138	141
1997	17	23	30	30	33	40	42	55	90	111	117	126	131	142	145	147	148
1998	23	37	41	46	58	66	88	130	161	173	184	195	202	207	211	212	213
1999	14	16	19	28	34	55	111	153	169	187	212	229	233	236	242	246	255
2000	1	8	22	29	81	157	213	248	294	320	349	355	358	368	370	376	376
2001	36	55	77	123	220	285	331	375	399	457	473	485	494	506	518	523	527
2002	11	29	94	173	239	304	359	405	451	476	496	519	531	535	535	539	547
2003	32	67	166	223	306	364	406	448	501	530	566	567	573	573	575	577	579
2004	6	101	172	234	332	409	526	565	607	642	666	672	675	677	681	685	713
2005	20	94	166	285	398	540	601	681	736	798	826	849	865	873	888	899	906
2006	38	125	244	374	528	663	778	873	920	978	1,003	1,034	1,051	1,063	1,102	1,120	1,130
2007	69	194	346	538	661	793	905	979	1,033	1,100	1,136	1,141	1,151	1,171	1,190	1,203	
2008	42	145	290	422	572	663	760	813	888	977	1,024	1,060	1,089	1,107	1,126		
2009	24	122	226	355	452	509	573	627	711	780	791	807	819	829			
2010	46	174	378	537	679	739	846	950	1,064	1,127	1,168	1,183	1,193				
2011	60	202	369	476	582	707	816	877	957	1,026	1,066	1,084					
2012	72	231	352	440	533	645	744	843	913	963	974						
2013	104	255	392	575	669	751	811	895	948	996							
2014	54	239	399	632	779	880	964	1,043	1,105								
2015	60	232	450	573	647	735	812	900									
2016	67	238	405	558	684	786	851										
2017	85	285	482	643	788	918											
2018	105	288	482	616	713												
2019	118	335	493	590													
2020	245	443	574														
2021	191	496															
2022	168																

NUMBER OF CLOSED LOST TIME CLAIMS

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																				
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204				
1987															1,843	1,825	1,837	1,849			
1988															2,049	2,049	2,062	2,063	2,053		
1989															1,900	1,907	1,915	1,909	1,916		
1990															2,031	2,051	2,066	2,063	2,070	2,059	2,062
1991										1,960	1,997	2,008	2,010	2,020	2,017	2,015	2,016				
1992										2,082	2,091	2,133	2,141	2,165	2,165	2,157	2,159				
1993										2,001	2,006	2,017	2,042	2,073	2,074	2,066	2,066	2,069	2,067		
1994										2,152	2,150	2,160	2,169	2,211	2,224	2,230	2,227	2,220	2,226	2,218	
1995										1,957	1,964	1,971	1,969	1,975	2,004	2,009	2,012	2,014	2,018	2,011	2,014
1996						1,540	1,560	1,565	1,569	1,574	1,573	1,592	1,600	1,602	1,602	1,604	1,604	1,609			
1997						1,386	1,410	1,422	1,430	1,434	1,437	1,444	1,468	1,476	1,482	1,479	1,483	1,485	1,487		
1998						1,326	1,400	1,448	1,460	1,470	1,481	1,487	1,497	1,520	1,528	1,535	1,535	1,536	1,540	1,543	
1999			1,020	1,240	1,291	1,310	1,336	1,344	1,352	1,355	1,362	1,373	1,383	1,389	1,389	1,388	1,387	1,388			
2000		231	992	1,110	1,171	1,159	1,209	1,220	1,227	1,228	1,233	1,250	1,256	1,261	1,269	1,264	1,268	1,272			
2001		365	890	1,021	1,071	1,096	1,111	1,120	1,121	1,131	1,136	1,163	1,169	1,177	1,180	1,180	1,183	1,190			
2002		335	810	930	984	1,003	1,015	1,019	1,026	1,033	1,047	1,059	1,071	1,078	1,075	1,072	1,076	1,082			
2003		420	962	1,060	1,107	1,117	1,125	1,136	1,131	1,136	1,146	1,160	1,172	1,175	1,178	1,180	1,192	1,194			
2004		419	986	1,103	1,137	1,163	1,172	1,173	1,181	1,189	1,191	1,211	1,212	1,218	1,225	1,227	1,230	1,235			
2005		407	891	1,022	1,051	1,076	1,087	1,096	1,096	1,105	1,112	1,124	1,138	1,140	1,144	1,155	1,159	1,165			
2006		408	929	1,022	1,056	1,081	1,090	1,097	1,108	1,107	1,115	1,129	1,133	1,144	1,151	1,158	1,164	1,172			
2007		405	892	985	1,022	1,045	1,069	1,070	1,073	1,075	1,088	1,101	1,115	1,116	1,121	1,125	1,126				
2008		369	792	904	949	978	986	992	995	991	1,000	1,016	1,029	1,028	1,031	1,033					
2009		357	835	946	981	991	1,011	1,011	1,012	1,019	1,024	1,038	1,043	1,049	1,056						
2010		383	856	951	985	1,007	1,010	1,009	1,026	1,034	1,047	1,055	1,072								
2011		356	847	933	971	989	999	1,008	1,024	1,026	1,039	1,054	1,060								
2012		336	704	767	794	804	823	837	839	858	862	881									
2013		316	692	778	809	829	848	855	864	871	883										
2014		329	693	776	822	842	858	868	876	882											
2015		269	751	838	863	882	898	905	909												
2016		339	710	771	808	836	852	860													
2017		297	616	670	710	729	746														
2018		307	660	720	755	776															
2019		320	613	660	692																
2020		318	567	621																	
2021		279	504																		
2022		304																			

AVERAGE PAID EXPENSE PER CLOSED LOST TIME CLAIM

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																				
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204				
1987															318	326	333	336			
1988															416	440	446	454	471		
1989															533	542	545	547	555	558	
1990															352	349	347	348	347	352	354
1991															379	377	375	379	381	380	
1992										419	418	412	410	406	408	408	411	418			
1993										37	38	39	40	41	41	41	46	46			
1994										33	35	36	36	36	38	39	44	44	46		
1995										37	37	39	39	41	44	45	47	48	53	54	
1996										43	46	47	47	51	60	64	74	79	82	86</	

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - EXPENSE

INCURRED EXPENSE (\$000's)

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204
1987									1,010	684	611	604	612	625	670	675	706
1988									958	913	933	950	972	985	1,063	1,085	
1989								1,175	1,168	1,149	1,113	1,086	1,092	1,090	1,117	1,152	1,146
1990								746	741	738	726	903	723	730	719	724	732
1991						746	771	813	815	809	773	776	775	762	769	769	769
1992					861	875	904	910	906	917	902	892	891	884	884	887	914
1993				61	82	94	105	106	118	99	89	90	90	93	89	101	101
1994			47	68	85	90	100	107	113	113	82	83	87	89	102	101	105
1995		48	65	73	72	81	84	84	82	85	90	92	96	142	104	112	113
1996	27	56	72	83	74	100	102	103	108	130	141	146	161	166	163	167	171
1997	45	25	38	38	46	57	51	66	120	142	142	148	158	166	162	162	154
1998	24	39	44	55	76	78	102	147	193	212	225	226	227	228	227	215	216
1999	42	18	30	44	51	70	145	198	207	232	257	256	258	261	252	261	275
2000	14	27	44	46	98	225	292	323	363	390	419	415	407	413	400	404	397
2001	215	197	219	267	394	434	492	542	524	566	556	546	548	557	554	552	
2002	13	45	113	235	351	415	467	542	577	577	574	546	545	560	561	562	569
2003	70	103	255	350	451	498	523	598	654	677	611	601	604	594	617	608	612
2004	39	156	249	324	441	560	699	756	794	796	738	711	694	693	697	702	742
2005	35	161	266	397	542	736	854	907	974	996	923	914	920	919	933	944	945
2006	85	191	342	453	620	893	1,012	1,163	1,195	1,171	1,101	1,089	1,083	1,087	1,128	1,157	1,197
2007	160	297	470	697	896	1,015	1,253	1,288	1,309	1,224	1,178	1,159	1,182	1,204	1,287	1,361	
2008	144	231	446	594	732	997	1,042	1,077	1,121	1,167	1,115	1,114	1,129	1,176	1,304		
2009	67	212	356	470	697	778	822	866	909	889	875	851	868	878			
2010	100	267	512	924	999	1,062	1,176	1,222	1,254	1,244	1,214	1,224	1,224				
2011	136	310	876	977	1,002	1,103	1,123	1,110	1,143	1,155	1,171	1,152					
2012	152	340	719	896	991	1,055	1,076	1,090	1,118	1,110	1,088						
2013	201	512	693	984	1,110	1,073	1,086	1,161	1,195	1,225							
2014	271	492	772	1,063	1,206	1,219	1,241	1,317	1,382								
2015	275	569	950	1,065	1,064	1,160	1,305	1,337									
2016	224	525	738	915	979	1,018	1,090										
2017	317	592	867	1,096	1,116	1,366											
2018	382	593	844	1,009	1,082												
2019	342	630	828	850													
2020	546	805	856														
2021	658	864															
2022	520																

NUMBER OF REPORTED LOST TIME CLAIMS

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204
1987															1,862	1,864	1,864
1988															2,087	2,087	2,090
1989															1,938	1,937	1,938
1990											2,103	2,092	2,104	2,104	2,104	2,104	2,105
1991											2,061	2,061	2,062	2,062	2,062	2,063	2,063
1992										2,204	2,181	2,204	2,204	2,204	2,204	2,204	2,205
1993									2,119	2,097	2,120	2,121	2,121	2,121	2,121	2,121	2,121
1994									2,285	2,258	2,287	2,286	2,286	2,286	2,286	2,286	2,286
1995									2,066	2,049	2,066	2,068	2,068	2,068	2,068	2,068	2,068
1996						1,667			1,647	1,667	1,669	1,669	1,669	1,670	1,670	1,670	1,670
1997					1,547	1,527	1,546	1,548	1,548	1,547	1,547	1,547	1,547	1,547	1,547	1,547	1,547
1998				1,583	1,583	1,594	1,596	1,598	1,598	1,598	1,598	1,598	1,598	1,598	1,598	1,598	1,599
1999				1,408	1,446	1,452	1,451	1,451	1,452	1,452	1,452	1,452	1,452	1,452	1,452	1,452	1,452
2000	816	1,298	1,311	1,320	1,323	1,324	1,324	1,324	1,324	1,325	1,325	1,325	1,325	1,325	1,325	1,325	1,326
2001	1,041	1,201	1,245	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250
2002	964	1,114	1,133	1,135	1,136	1,136	1,136	1,136	1,136	1,136	1,135	1,134	1,134	1,134	1,135	1,135	1,135
2003	1,106	1,239	1,248	1,250	1,250	1,248	1,249	1,249	1,249	1,249	1,249	1,249	1,248	1,248	1,248	1,248	1,248
2004	1,133	1,267	1,281	1,285	1,285	1,286	1,286	1,286	1,286	1,286	1,286	1,286	1,286	1,286	1,286	1,286	1,286
2005	1,075	1,190	1,205	1,205	1,205	1,205	1,204	1,204	1,204	1,204	1,204	1,204	1,204	1,204	1,204	1,204	1,204
2006	1,076	1,204	1,221	1,222	1,225	1,224	1,224	1,224	1,224	1,224	1,224	1,224	1,223	1,222	1,224	1,224	1,224
2007	1,062	1,160	1,170	1,169	1,170	1,170	1,170	1,170	1,170	1,170	1,170	1,170	1,170	1,170	1,171	1,171	
2008	950	1,069	1,078	1,084	1,083	1,083	1,084	1,083	1,083	1,083	1,083	1,083	1,083	1,083	1,083	1,083	
2009	955	1,083	1,094	1,094	1,093	1,094	1,093	1,093	1,093	1,093	1,093	1,093	1,094	1,093			
2010	1,021	1,155	1,126	1,135	1,136	1,136	1,136	1,136	1,136	1,136	1,136	1,136	1,136	1,125			
2011	982	1,082	1,098	1,098	1,095	1,098	1,098	1,099	1,099	1,099	1,099	1,099					
2012	839	923	934	933	934	934	933	933	933	933	933						
2013	834	926	937	939	939	939	938	938	938	938							
2014	830	924	936	937	938	938	938	940	940								
2015	897	961	971	971	972	972	972	972									
2016	798	901	914	914	914	914	914										
2017	737	797	804	805	805	805											
2018	743	818	832	836	837												
2019	669	748	754	755													
2020	642	696	707														
2021	559	625															
2022	606																

AVERAGE INCURRED EXPENSE PER REPORTED LOST TIME CLAIM

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204
1987															336	360	379
1988															455	466	471
1989															560	564	576
1990										393	345	432	344	342	342	344	348
1991										377	377	376	376	370	373	373	373
1992										411	420	409	405	404	401	401	403
1993										56	47	42	42	42	44	42	48
1994										41	41	40	41	43	45	44	46
1995										41	41	40	41	43	45	44	46
1996										61	61	62	64	78	84	87	99
1997						45	61	61	62	64	77	92	96	102	107	105	100
1998						30	37	33	43	77	92	92	96	102	107	105	100
1999						49	64	64	92	121	132	141	142	142	142	142	135
2000						48	64	64	92	121	132	141	142	142	142	142	135
2001	17	20	33	35	74	170	220	244	274	294	316	307	311	30			

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - EXPENSE

IMPLIED OUTSTANDING EXPENSE (\$000'S)

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204
1987										293	280	269	267	255	246	229	219
1988									449	419	412	375	352	304	285	269	238
1989								259	230	211	191	177	160	151	141	130	120
1994							234	228	232	229	229	228	226	226	224	219	213
1991						284	266	224	219	219	217	216	216	216	211	208	208
1992						309	291	286	286	284	280	280	279	275	275	271	255
1993				428	419	408	397	396	393	393	392	390	388	386	386	375	375
1994			204	192	177	173	172	168	166	165	164	162	158	156	144	144	140
1995		296	285	276	272	266	265	262	261	258	250	249	247	244	242	231	230
1996	387	365	363	352	347	342	340	339	333	319	312	295	287	282	276	275	272
1997	322	316	310	306	300	298	284	249	228	223	214	208	197	195	193	192	192
1998	406	392	387	383	371	363	341	299	268	256	245	234	227	222	218	217	216
1999	554	552	540	540	533	513	457	415	399	381	356	339	335	332	326	322	313
2000	755	748	733	727	675	599	542	507	462	436	407	400	397	387	386	379	379
2001	941	923	901	854	758	692	646	603	578	521	504	493	484	471	459	454	451
2002	973	955	890	811	745	680	625	579	533	508	488	465	452	449	449	445	437
2003	995	961	861	804	722	664	621	580	527	498	462	460	455	455	453	450	448
2004	1,112	1,017	947	884	786	710	592	553	511	477	452	446	443	441	438	433	405
2005	1,306	1,232	1,160	1,041	927	786	725	644	589	528	500	477	461	453	437	426	420
2006	1,668	1,580	1,461	1,331	1,178	1,043	927	832	785	727	702	671	654	642	603	585	575
2007	1,908	1,783	1,631	1,439	1,316	1,184	1,072	998	944	877	841	836	826	806	787	774	774
2008	1,890	1,786	1,642	1,509	1,360	1,269	1,171	1,118	1,043	954	908	872	843	824	806		
2009	979	882	778	649	552	495	430	376	293	224	213	197	185	175			
2010	1,381	1,253	1,049	889	748	688	580	477	362	300	259	243	234				
2011	1,284	1,143	976	869	763	637	529	468	388	319	279	261					
2012	1,197	1,038	916	828	736	624	524	425	356	306	295						
2013	1,309	1,159	1,021	839	745	663	603	519	466	418							
2014	1,571	1,386	1,225	992	845	744	660	582	519								
2015	1,514	1,341	1,124	1,001	927	839	762	673									
2016	1,342	1,171	1,003	850	725	643	558										
2017	1,737	1,537	1,340	1,179	1,034	904											
2018	1,459	1,276	1,082	949	851												
2019	1,482	1,265	1,107	1,009													
2020	1,611	1,413	1,282														
2021	1,950	1,645															
2022	2,002																

IMPLIED NUMBER OF OPEN AND IBNR LOST TIME CLAIMS

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																			
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204			
1987															25	43	31	19		
1988															37	37	24	23	33	
1989															37	30	22	28	21	
1990													78	58	43	46	39	50	47	
1991										109			61	59	49	52	54	53	53	
1992										128	119	77	69	45	45	45	53	51	51	
1993										136	124	119	108	83	52	51	59	56	58	
1994										138	128	119	77	64	58	61	68	62	70	
1995							113	106	99	101	95	66	61	58	56	52	59	56	56	
1996						135	115	110	106	101	102	83	75	73	73	71	71	66	66	
1997					165	141	129	121	117	114	107	83	75	69	72	68	66	64	64	
1998			272	198	150	138	128	117	111	101	78	70	63	63	62	58	55	55	55	
1999		432	212	161	142	116	108	100	97	90	79	69	63	63	64	65	64	64	64	
2000		1,055	534	216	155	127	117	106	99	98	91	76	70	65	57	62	58	54	54	
2001		885	360	229	179	154	139	120	120	119	114	87	81	73	70	70	67	69	69	
2002		800	325	205	151	132	120	116	109	102	88	76	64	57	60	63	59	53	53	
2003		828	286	188	141	131	123	112	117	112	102	88	76	73	70	68	56	54	54	
2004		867	300	183	149	123	114	113	105	97	95	75	74	68	61	59	56	51	51	
2005		797	313	182	153	128	117	108	108	99	92	80	66	64	60	49	45	39	39	
2006		816	295	202	168	143	134	127	116	117	109	95	91	80	73	66	60	52	52	
2007		766	279	186	149	126	102	101	98	96	83	70	56	55	50	46	45	45	45	
2008		714	291	179	134	105	97	91	88	92	83	67	54	55	52	50				
2009		736	258	147	112	102	82	82	81	74	69	55	50	44	37					
2010		742	269	174	140	118	115	118	99	91	78	60	53	45						
2011		744	253	167	129	111	101	92	76	74	61	46	40							
2012		597	229	166	139	129	110	96	94	75	71	52								
2013		622	246	160	129	109	90	83	74	67	55									
2014		611	247	164	118	98	82	72	64	58										
2015		703	211	134	109	90	74	67	63											
2016		575	204	143	106	78	62	54												
2017		508	189	135	95	76	59													
2018		530	177	117	82	61														
2019		436	143	96	64															
2020		391	142	88																
2021		357	132																	
2022		382																		

AVERAGE IMPLIED OUTSTANDING EXPENSE PER IMPLIED NUMBER OF OPEN AND IBNR LOST TIME CLAIMS

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																					
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204					
1987															10,204	5,718	7,390	11,549				
1988															9,505	8,205	11,894	11,897	7,206			
1989															4,789	4,322	5,018	6,421	4,657	5,718		
1990															2,931	3,928	5,252	4,910	5,744	4,380	4,524	
1991															3,015	3,545	3,666	4,414	4,050	3,846	3,917	
1992										2,233	2,386	3,639	4,061	6,193	6,108	6,108	5,121	5,003				
1993										7,494	7,617	7,494	7,617	6,545	6,545	6,099	6,462					
1994										1,265	1,220	1,295	1,383	2,131	2,537	2,728	2,556	2,121	2,319	2,002		
1995										2,357	2,501	2,645	2,589	2,717	3,788	4,082	4,261	4,356	4,658	3,921	4,106	
1996										2,573	2,975	3,092	3,199	3,295	3,126	3,756	3,936	3,930	3,859	3,881	3,875	4,128
1997										2,173	2,323	2,460	2,428	2,185	2,133	2,686	2,853	3,017	2,797	2,863	2,924	2,996
1998										2,639	2,660	2,555	2,414	2,536	3,143	3,336	3,606	3,538	3,518	3,737	3,920	
1999										4,426	4,236	4,145	4,115	4,229	4,501	4,						

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - EXPENSE

RATIO OF PAID EXPENSE TO INCURRED EXPENSE

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																		
	216	228	240	252	264	276	288	300	312	324	336	348	360	372	384	396	408	420	432
1987	0.8880	0.8633	0.7565	0.9933	1.0000	0.9987	0.9940	0.9960	0.9960	0.9918	0.9859	0.9832	0.9931	0.9923	0.9907	0.9731	0.9786	0.9575	
1988	0.8848	0.8778	0.9933	0.9923	0.9991	0.9991	0.9991	1.0000	0.9939	0.9942	0.9913	0.9850	0.9868	0.9897	0.9896	0.9907	0.9886	0.9817	
1989	0.8935	1.0000	1.0000	1.0000	1.0000	1.0000	0.9991	0.9991	0.9991	0.9991	0.9987	0.9987	0.9995	0.9995	0.9995	0.9997	0.9966		
1990	0.9973	0.9971	0.9941	0.9934	0.9942	0.9942	0.9942	0.9857	0.9748	0.9729	0.9783	0.9766	0.9711	0.9316	0.9335	0.9435			
1991	0.9958	0.9864	0.9835	0.9759	0.9833	0.9952	0.9978	0.9978	0.9947	0.9811	0.9834	0.9805	0.9547	0.9625	0.9579				
1992	0.9840	0.9960	0.9995	0.9994	0.9978	0.9922	0.9938	0.9944	0.9856	0.9812	0.9889	0.9809	0.9256	0.9235					
1993	0.9726	0.9727	0.9781	0.9781	0.9677	0.9606	0.9276	0.9243	0.9054	0.8985	0.9426	0.4101	0.5246						
1994	0.9769	0.9985	0.9997	0.9856	0.9293	0.9666	0.9679	0.9187	0.9787	0.9108	0.8619	0.8159							
1995	0.9637	0.9195	0.8814	0.8290	0.8542	0.8839	0.8707	0.8469	0.8596	0.7462	0.7218								
1996	0.9136	0.9106	0.9205	0.9336	0.9424	0.9406	0.9131	0.9254	0.9079	0.7017									
1997	0.9526	0.9441	0.9269	0.9206	0.9478	0.9477	0.8843	0.8524	0.7781										
1998	0.9663	0.9641	0.9739	0.9660	0.8297	0.8163	0.8120	0.8389											
1999	0.9654	0.9229	0.9231	0.9014	0.8667	0.8343	0.8308												
2000	0.9399	0.9621	0.9542	0.9562	0.9067	0.8566													
2001	0.9698	0.9698	0.8480	0.7977	0.8257														
2002	0.9685	0.8895	0.8335	0.8091															
2003	0.9278	0.8217	0.8334																
2004	0.9080	0.9320																	
2005	0.9588																		
2006																			
2007																			
2008																			
2009																			
2010																			
2011																			
2012																			
2013																			
2014																			
2015																			
2016																			
2017																			
2018																			
2019																			
2020																			
2021																			
2022																			

RATIO OF CLOSED LOST TIME CLAIMS TO REPORTED LOST TIME CLAIMS

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																		
	216	228	240	252	264	276	288	300	312	324	336	348	360	372	384	396	408	420	432
1987	0.9844	0.9828	0.9818	0.9807	0.9818	0.9845	0.9855	0.9887	0.9887	0.9887	0.9893	0.9904	0.9898	0.9914	0.9920	0.9941	0.9946	0.9941	0.9941
1988	0.9856	0.9823	0.9823	0.9842	0.9871	0.9861	0.9875	0.9909	0.9904	0.9904	0.9890	0.9904	0.9914	0.9919	0.9923	0.9928	0.9933	0.9933	0.9933
1989	0.9881	0.9860	0.9860	0.9886	0.9897	0.9917	0.9912	0.9928	0.9928	0.9933	0.9923	0.9933	0.9948	0.9938	0.9933	0.9943	0.9948		
1990	0.9791	0.9791	0.9767	0.9777	0.9772	0.9791	0.9800	0.9806	0.9810	0.9806	0.9829	0.9848	0.9872	0.9905	0.9910	0.9910			
1991	0.9762	0.9753	0.9729	0.9762	0.9777	0.9762	0.9758	0.9783	0.9758	0.9787	0.9792	0.9802	0.9812	0.9816	0.9860				
1992	0.9791	0.9796	0.9810	0.9823	0.9819	0.9805	0.9814	0.9837	0.9814	0.9846	0.9864	0.9878	0.9882	0.9905					
1993	0.9755	0.9764	0.9783	0.9778	0.9774	0.9779	0.9793	0.9812	0.9826	0.9831	0.9840	0.9845	0.9854						
1994	0.9711	0.9738	0.9746	0.9755	0.9751	0.9773	0.9764	0.9773	0.9808	0.9825	0.9843	0.9865							
1995	0.9749	0.9744	0.9758	0.9773	0.9768	0.9787	0.9792	0.9807	0.9807	0.9821	0.9855								
1996	0.9641	0.9636	0.9666	0.9654	0.9678	0.9707	0.9731	0.9743	0.9761	0.9755									
1997	0.9620	0.9652	0.9684	0.9684	0.9736	0.9755	0.9749	0.9774	0.9794										
1998	0.9662	0.9662	0.9681	0.9675	0.9706	0.9737	0.9781	0.9787											
1999	0.9573	0.9587	0.9656	0.9697	0.9683	0.9697	0.9711												
2000	0.9563	0.9578	0.9653	0.9683	0.9721	0.9713													
2001	0.9544	0.9608	0.9616	0.9640	0.9648														
2002	0.9542	0.9551	0.9577	0.9604															
2003	0.9623	0.9639	0.9663																
2004	0.9627	0.9658																	
2005	0.9684																		
2006																			
2007																			
2008																			
2009																			
2010																			
2011																			
2012																			
2013																			
2014																			
2015																			
2016																			
2017																			
2018																			
2019																			
2020																			
2021																			
2022																			

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - EXPENSE

INCURRED EXPENSE DIVIDED BY EXPOSURE (PAYROLL IN MILLIONS)

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																	
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204	
1987										0.3398	0.3034	0.3000	0.3037	0.3105	0.3327	0.3352	0.3504	
1988									0.4718	0.4473	0.4262	0.4357	0.4437	0.4538	0.4599	0.4962	0.5068	
1989								0.5033	0.5004	0.4922	0.4766	0.4653	0.4678	0.4670	0.4784	0.4934	0.4908	
1990								0.2905	0.2915	0.2895	0.2884	0.2837	0.3529	0.2826	0.2813	0.2808	0.2830	0.2859
1991						0.2511	0.2596	0.2735	0.2744	0.2724	0.2602	0.2613	0.2609	0.2566	0.2588	0.2588	0.2588	
1992					0.2949	0.2994	0.3096	0.3115	0.3101	0.3139	0.3089	0.3053	0.3049	0.3026	0.3026	0.3038	0.3127	
1993				0.0200	0.0268	0.0307	0.0344	0.0348	0.0385	0.0324	0.0292	0.0295	0.0295	0.0303	0.0292	0.0331	0.0333	
1994			0.0145	0.0208	0.0261	0.0278	0.0308	0.0329	0.0346	0.0346	0.0251	0.0255	0.0267	0.0275	0.0313	0.0312	0.0324	
1995		0.0140	0.0189	0.0212	0.0210	0.0235	0.0244	0.0245	0.0240	0.0248	0.0261	0.0268	0.0278	0.0412	0.0304	0.0326	0.0328	
1996	0.0079	0.0164	0.0213	0.0244	0.0219	0.0295	0.0301	0.0303	0.0317	0.0383	0.0414	0.0430	0.0476	0.0488	0.0481	0.0491	0.0503	
1997	0.0132	0.0075	0.0112	0.0111	0.0136	0.0170	0.0152	0.0197	0.0355	0.0420	0.0422	0.0439	0.0467	0.0492	0.0482	0.0481	0.0457	
1998	0.0064	0.0103	0.0116	0.0146	0.0203	0.0208	0.0272	0.0390	0.0512	0.0561	0.0597	0.0601	0.0603	0.0604	0.0602	0.0569	0.0572	
1999	0.0104	0.0044	0.0073	0.0109	0.0125	0.0172	0.0358	0.0487	0.0512	0.0573	0.0635	0.0633	0.0637	0.0644	0.0622	0.0645	0.0679	
2000	0.0032	0.0061	0.0101	0.0105	0.0226	0.0519	0.0672	0.0743	0.0837	0.0899	0.0965	0.0956	0.0938	0.0951	0.0922	0.0931	0.0916	
2001	0.0465	0.0426	0.0474	0.0578	0.0851	0.0938	0.1064	0.1171	0.1133	0.1225	0.1203	0.1203	0.1180	0.1185	0.1204	0.1198	0.1194	
2002	0.0029	0.0098	0.0245	0.0509	0.0762	0.0899	0.1012	0.1175	0.1251	0.1250	0.1244	0.1183	0.1181	0.1215	0.1216	0.1218	0.1234	
2003	0.0157	0.0231	0.0569	0.0782	0.1010	0.1114	0.1170	0.1338	0.1464	0.1513	0.1366	0.1344	0.1350	0.1328	0.1380	0.1361	0.1368	
2004	0.0087	0.0350	0.0558	0.0726	0.0988	0.1257	0.1567	0.1695	0.1780	0.1695	0.1655	0.1594	0.1557	0.1553	0.1564	0.1575	0.1663	
2005	0.0071	0.0328	0.0543	0.0810	0.1107	0.1503	0.1743	0.1852	0.1989	0.2035	0.1885	0.1866	0.1879	0.1877	0.1905	0.1927	0.1929	
2006	0.0161	0.0363	0.0651	0.0861	0.1179	0.1698	0.1923	0.2210	0.2270	0.2226	0.2092	0.2070	0.2057	0.2065	0.2144	0.2199	0.2275	
2007	0.0289	0.0537	0.0851	0.1263	0.1622	0.1838	0.2269	0.2332	0.2370	0.2217	0.2134	0.2100	0.2140	0.2181	0.2332	0.2466		
2008	0.0246	0.0395	0.0762	0.1014	0.1250	0.1702	0.1780	0.1839	0.1915	0.1993	0.1904	0.1903	0.1929	0.2008	0.2227			
2009	0.0112	0.0355	0.0595	0.0785	0.1165	0.1299	0.1373	0.1447	0.1519	0.1486	0.1462	0.1422	0.1449	0.1467				
2010	0.0168	0.0448	0.0859	0.1551	0.1677	0.1783	0.1973	0.2051	0.2104	0.2087	0.2038	0.2054	0.2053					
2011	0.0229	0.0520	0.1469	0.1639	0.1681	0.1850	0.1884	0.1862	0.1917	0.1938	0.1963	0.1931						
2012	0.0243	0.0865	0.1152	0.1435	0.1587	0.1690	0.1723	0.1746	0.1790	0.1778	0.1743							
2013	0.0316	0.0803	0.1087	0.1544	0.1742	0.1684	0.1704	0.1822	0.1875	0.1922								
2014	0.0409	0.0744	0.1168	0.1608	0.1824	0.1844	0.1878	0.1993	0.2090									
2015	0.0409	0.0848	0.1415	0.1586	0.1584	0.1729	0.1945	0.1991										
2016	0.0322	0.0754	0.1060	0.1315	0.1407	0.1463	0.1566											
2017	0.0448	0.0837	0.1226	0.1549	0.1605	0.1931												
2018	0.0517	0.0803	0.1141	0.1364	0.1464													
2019	0.0452	0.0834	0.1096	0.1125														
2020	0.0695	0.1024	0.1088															
2021	0.0835	0.1096																
2022	0.0625																	

PAID EXPENSE DIVIDED BY EXPOSURE (PAYROLL IN MILLIONS)

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																	
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204	
1987										0.2721	0.2785	0.2840	0.2850	0.2911	0.2956	0.3040	0.3088	
1988										0.3528	0.3669	0.3701	0.3876	0.3984	0.4208	0.4293	0.4370	0.4515
1989									0.3983	0.4109	0.4189	0.4274	0.4335	0.4409	0.4449	0.4489	0.4535	0.4580
1990								0.2770	0.2794	0.2775	0.2788	0.2790	0.2793	0.2801	0.2801	0.2808	0.2827	0.2852
1991						0.2325	0.2384	0.2528	0.2542	0.2543	0.2550	0.2553	0.2553	0.2553	0.2572	0.2582	0.2582	
1992					0.2821	0.2907	0.2967	0.2986	0.2986	0.2992	0.3005	0.3005	0.3010	0.3023	0.3023	0.3035	0.3091	
1993				0.0139	0.0169	0.0206	0.0242	0.0245	0.0253	0.0255	0.0257	0.0265	0.0269	0.0276	0.0276	0.0312	0.0314	
1994			0.0120	0.0155	0.0201	0.0214	0.0217	0.0229	0.0237	0.0240	0.0242	0.0247	0.0260	0.0267	0.0303	0.0304	0.0315	
1995		0.0123	0.0155	0.0181	0.0193	0.0210	0.0213	0.0223	0.0224	0.0234	0.0257	0.0261	0.0266	0.0275	0.0280	0.0312	0.0316	
1996	0.0078	0.0143	0.0148	0.0181	0.0194	0.0210	0.0216	0.0219	0.0237	0.0278	0.0299	0.0348	0.0372	0.0388	0.0406	0.0407	0.0415	
1997	0.0051	0.0069	0.0088	0.0088	0.0098	0.0118	0.0124	0.0164	0.0268	0.0330	0.0345	0.0372	0.0389	0.0422	0.0429	0.0434	0.0438	
1998	0.0060	0.0098	0.0110	0.0122	0.0154	0.0175	0.0234	0.0345	0.0427	0.0458	0.0487	0.0518	0.0535	0.0550	0.0559	0.0563	0.0566	
1999	0.0034	0.0038	0.0046	0.0069	0.0085	0.0135	0.0273	0.0379	0.0417	0.0462	0.0524	0.0565	0.0576	0.0583	0.0596	0.0607	0.0628	
2000	0.0002	0.0018	0.0051	0.0066	0.0186	0.0361	0.0492	0.0571	0.0677	0.0736	0.0804	0.0818	0.0825	0.0848	0.0852	0.0867	0.0867	
2001	0.0078	0.0119	0.0166	0.0267	0.0475	0.0617	0.0717	0.0810	0.0864	0.0988	0.1024	0.1049	0.1068	0.1094	0.1121	0.1132	0.1139	
2002	0.0024	0.0063	0.0203	0.0374	0.0518	0.0658	0.0777	0.0878	0.0977	0.1031	0.1076	0.1125	0.1152	0.1160	0.1160	0.1169	0.1185	
2003	0.0072	0.0150	0.0372	0.0500	0.0684	0.0813	0.0909	0.1002	0.1119	0.1186	0.1266	0.1269	0.1281	0.1281	0.1286	0.1291	0.1296	
2004	0.0015	0.0228	0.0385	0.0524	0.0744	0.0916	0.1180	0.1267	0.1361	0.1439	0.1493	0.1507	0.1513	0.1518	0.1526	0.1536	0.1600	
2005	0.0040	0.0192	0.0338	0.0582	0.0814	0.1103	0.1227	0.1391	0.1504	0.1629	0.1687	0.1733	0.1766	0.1782	0.1814	0.1836	0.1850	
2006	0.0072	0.0238	0.0464	0.0711	0.1003	0.1259	0.1479	0.1660	0.1748	0.1858	0.1906	0.1965	0.1997	0.2020	0.2094	0.2129	0.2148	
2007	0.0126	0.0352	0.0627	0.0974	0.1197	0.1436	0.1639	0.1773	0.1870	0.1992	0.2058	0.2066	0.2084	0.2121	0.2156	0.2178		
2008	0.0071	0.0248	0.0495	0.0721	0.0976	0.1133	0.1299	0.1389	0.1517	0.1669	0.1748	0.1810	0.1859	0.1891	0.1922			
2009	0.0041	0.0203	0.0377	0.0593	0.0754	0.0850	0.0958	0.1048	0.1188	0.1303	0.1321	0.1348	0.1368	0.1385				
2010	0.0077	0.0292	0.0633	0.0901	0.1139	0.1239	0.1420	0.1594	0.1786	0.1891	0.1959	0.1986	0.2002					
2011	0.0101	0.0338	0.0619	0.0798	0.0976	0.1186	0.1369	0.1471	0.1605	0.1721	0.1787	0.1818						
2012	0.0115	0.0370	0.0564	0.0705	0.0854	0.1033	0.1192	0.1351	0.1462	0.1542	0.1560							
2013	0.0164	0.0400	0.0616	0.0903	0.1049	0.1178	0.1272	0.1405	0.1487	0.1563								
2014	0.0081	0.0361	0.0604	0.0956	0.1179	0.1332	0.1458	0.1578	0.1672									
2015	0.0089	0.0346	0.0670	0.0853	0.0963	0.1095	0.1210	0.1341										
2016	0.0096	0.0342	0.0582	0.0802	0.0982	0.1129	0.1222											
2017	0.0120	0.0403	0.0681	0.0908	0.1113	0.1297												
2018	0.0143	0.0390	0.0653	0.0833	0.0965													
2019	0.0156	0.0443	0.0652	0.0781														

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - EXPENSE

INCURRED EXPENSE DIVIDED BY EXPOSURE (PAYROLL IN MILLIONS)

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																		
	216	228	240	252	264	276	288	300	312	324	336	348	360	372	384	396	408	420	432
1987	0.3642	0.4135	0.4957	0.3863	0.3837	0.3842	0.3860	0.3852	0.3852	0.3852	0.3868	0.3908	0.3919	0.3885	0.3894	0.3906	0.3988	0.3986	0.4095
1988	0.5412	0.5884	0.5235	0.5246	0.5210	0.5222	0.5232	0.5159	0.5225	0.5225	0.5246	0.5286	0.5286	0.5274	0.5280	0.5322	0.5374	0.5428	
1989	0.5168	0.4633	0.4647	0.4647	0.4647	0.4648	0.4726	0.4764	0.4764	0.4764	0.4778	0.4780	0.4778	0.4780	0.4801	0.4821	0.4836		
1990	0.2859	0.2874	0.2921	0.2926	0.2935	0.2943	0.2971	0.3008	0.3067	0.3102	0.3101	0.3118	0.3163	0.3341	0.3440	0.3439			
1991	0.2606	0.2664	0.2680	0.2720	0.2709	0.2678	0.2672	0.2679	0.2693	0.2749	0.2760	0.2774	0.2927	0.2946	0.3013				
1992	0.3148	0.3124	0.3122	0.3127	0.3134	0.3175	0.3182	0.3190	0.3228	0.3274	0.3256	0.3327	0.3548	0.3581					
1993	0.0328	0.0330	0.0328	0.0328	0.0339	0.0355	0.0370	0.0377	0.0399	0.0453	0.0586	0.1622	0.1370						
1994	0.0334	0.0333	0.0338	0.0347	0.0414	0.0407	0.0411	0.0444	0.0421	0.0489	0.0582	0.0644							
1995	0.0332	0.0367	0.0402	0.0444	0.0440	0.0431	0.0455	0.0486	0.0541	0.0718	0.0787								
1996	0.0454	0.0460	0.0471	0.0491	0.0496	0.0501	0.0531	0.0596	0.0685	0.0952									
1997	0.0460	0.0474	0.0487	0.0495	0.0487	0.0488	0.0600	0.0728	0.0829										
1998	0.0595	0.0601	0.0598	0.0612	0.0722	0.0792	0.0847	0.0850											
1999	0.0670	0.0719	0.0731	0.0765	0.0868	0.0997	0.1018												
2000	0.0928	0.0915	0.0935	0.0991	0.1082	0.1178													
2001	0.1183	0.1190	0.1444	0.1647	0.1631														
2002	0.1228	0.1458	0.1539	0.1615															
2003	0.1565	0.1706	0.1708																
2004	0.1867	0.1829																	
2005	0.1937																		
2006																			
2007																			
2008																			
2009																			
2010																			
2011																			
2012																			
2013																			
2014																			
2015																			
2016																			
2017																			
2018																			
2019																			
2020																			
2021																			
2022																			

PAID EXPENSE DIVIDED BY EXPOSURE (PAYROLL IN MILLIONS)

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																		
	216	228	240	252	264	276	288	300	312	324	336	348	360	372	384	396	408	420	432
1987	0.3234	0.3569	0.3750	0.3837	0.3837	0.3837	0.3837	0.3837	0.3837	0.3837	0.3837	0.3853	0.3853	0.3853	0.3864	0.3870	0.3881	0.3901	0.3921
1988	0.4789	0.5164	0.5200	0.5206	0.5206	0.5218	0.5227	0.5159	0.5193	0.5195	0.5200	0.5207	0.5217	0.5220	0.5225	0.5273	0.5313	0.5329	
1989	0.4618	0.4633	0.4647	0.4647	0.4647	0.4648	0.4722	0.4760	0.4760	0.4760	0.4772	0.4774	0.4776	0.4778	0.4799	0.4819	0.4819		
1990	0.2851	0.2866	0.2903	0.2906	0.2918	0.2926	0.2954	0.2964	0.2990	0.3018	0.3033	0.3045	0.3071	0.3113	0.3211	0.3245			
1991	0.2595	0.2628	0.2636	0.2654	0.2663	0.2665	0.2666	0.2673	0.2679	0.2698	0.2714	0.2720	0.2794	0.2835	0.2887				
1992	0.3098	0.3111	0.3120	0.3125	0.3127	0.3150	0.3162	0.3172	0.3181	0.3213	0.3220	0.3263	0.3284	0.3307					
1993	0.0319	0.0321	0.0321	0.0321	0.0328	0.0341	0.0343	0.0349	0.0361	0.0407	0.0553	0.0665	0.0718						
1994	0.0327	0.0332	0.0338	0.0342	0.0384	0.0393	0.0398	0.0408	0.0412	0.0445	0.0501	0.0526							
1995	0.0320	0.0338	0.0354	0.0368	0.0376	0.0381	0.0396	0.0412	0.0465	0.0536	0.0568								
1996	0.0415	0.0418	0.0434	0.0459	0.0468	0.0471	0.0485	0.0552	0.0622	0.0668									
1997	0.0438	0.0448	0.0451	0.0456	0.0462	0.0462	0.0531	0.0621	0.0645										
1998	0.0575	0.0579	0.0582	0.0591	0.0599	0.0647	0.0687	0.0713											
1999	0.0647	0.0664	0.0675	0.0689	0.0752	0.0832	0.0845												
2000	0.0872	0.0881	0.0892	0.0947	0.0981	0.1009													
2001	0.1147	0.1154	0.1225	0.1313	0.1346														
2002	0.1189	0.1297	0.1283	0.1307															
2003	0.1452	0.1401	0.1424																
2004	0.1695	0.1705																	
2005	0.1857																		
2006																			
2007																			
2008																			
2009																			
2010																			
2011																			
2012																			
2013																			
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COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - EXPENSE

REPORTED LOST TIME CLAIMS DIVIDED BY EXPOSURE (PAYROLL IN MILLIONS)

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204
1987																	
1988																	
1989													0.8303	0.9746	0.9746	0.9760	0.9760
1990													0.8172	0.8219	0.8219	0.8219	0.8219
1991										0.6937	0.6903	0.6937	0.6940	0.6940	0.6940	0.6944	0.6944
1992									0.7545	0.7467	0.7545	0.7545	0.7545	0.7545	0.7545	0.7545	0.7549
1993									0.6945	0.6873	0.6949	0.6952	0.6952	0.6952	0.6952	0.6952	0.6952
1994								0.7032	0.6949	0.7038	0.7035	0.7035	0.7035	0.7035	0.7035	0.7035	0.7035
1995						0.6012	0.5962	0.6012	0.6018	0.6018	0.6018	0.6018	0.6018	0.6018	0.6018	0.6018	0.6018
1996					0.4912	0.4853	0.4912	0.4918	0.4918	0.4918	0.4918	0.4921	0.4921	0.4921	0.4921	0.4921	0.4921
1997				0.4585	0.4526	0.4582	0.4588	0.4588	0.4585	0.4585	0.4585	0.4585	0.4585	0.4585	0.4585	0.4585	0.4585
1998			0.4198	0.4198	0.4227	0.4233	0.4238	0.4238	0.4238	0.4238	0.4238	0.4238	0.4238	0.4238	0.4238	0.4238	0.4240
1999		0.3474	0.3568	0.3583	0.3580	0.3580	0.3580	0.3583	0.3583	0.3583	0.3583	0.3583	0.3583	0.3583	0.3583	0.3583	0.3583
2000	0.1879	0.2990	0.3020	0.3040	0.3047	0.3050	0.3050	0.3050	0.3050	0.3050	0.3052	0.3052	0.3052	0.3052	0.3052	0.3052	0.3054
2001	0.2251	0.2598	0.2693	0.2704	0.2704	0.2704	0.2704	0.2704	0.2704	0.2704	0.2704	0.2704	0.2704	0.2704	0.2704	0.2704	0.2704
2002	0.2089	0.2415	0.2456	0.2460	0.2462	0.2462	0.2462	0.2462	0.2462	0.2462	0.2460	0.2458	0.2458	0.2458	0.2460	0.2460	0.2460
2003	0.2473	0.2771	0.2791	0.2795	0.2795	0.2791	0.2793	0.2793	0.2793	0.2793	0.2793	0.2793	0.2791	0.2791	0.2791	0.2791	0.2791
2004	0.2541	0.2841	0.2872	0.2881	0.2881	0.2884	0.2884	0.2884	0.2884	0.2884	0.2884	0.2884	0.2884	0.2884	0.2884	0.2884	0.2884
2005	0.2195	0.2430	0.2461	0.2461	0.2461	0.2459	0.2459	0.2459	0.2459	0.2459	0.2459	0.2459	0.2459	0.2459	0.2459	0.2459	0.2459
2006	0.2045	0.2288	0.2320	0.2322	0.2328	0.2326	0.2326	0.2326	0.2326	0.2326	0.2326	0.2326	0.2324	0.2322	0.2326	0.2326	0.2326
2007	0.1923	0.2101	0.2119	0.2117	0.2119	0.2119	0.2119	0.2119	0.2119	0.2119	0.2119	0.2119	0.2119	0.2119	0.2121	0.2121	0.2121
2008	0.1622	0.1826	0.1841	0.1851	0.1850	0.1850	0.1851	0.1850	0.1850	0.1850	0.1850	0.1850	0.1850	0.1850	0.1850	0.1850	0.1850
2009	0.1595	0.1809	0.1828	0.1828	0.1828	0.1826	0.1828	0.1826	0.1826	0.1826	0.1826	0.1826	0.1826	0.1828	0.1826	0.1826	0.1826
2010	0.1713	0.1871	0.1889	0.1888	0.1889	0.1889	0.1889	0.1889	0.1889	0.1889	0.1889	0.1889	0.1889	0.1888	0.1888	0.1888	0.1888
2011	0.1647	0.1815	0.1842	0.1842	0.1842	0.1842	0.1842	0.1842	0.1843	0.1843	0.1843	0.1843	0.1845	0.1845	0.1845	0.1845	0.1845
2012	0.1344	0.1478	0.1496	0.1494	0.1496	0.1496	0.1494	0.1494	0.1494	0.1494	0.1494	0.1494	0.1494	0.1494	0.1494	0.1494	0.1494
2013	0.1309	0.1453	0.1471	0.1474	0.1474	0.1474	0.1474	0.1472	0.1472	0.1472	0.1472	0.1472	0.1472	0.1472	0.1472	0.1472	0.1472
2014	0.1256	0.1398	0.1416	0.1418	0.1419	0.1419	0.1419	0.1421	0.1422	0.1422	0.1422	0.1422	0.1422	0.1422	0.1422	0.1422	0.1422
2015	0.1336	0.1432	0.1446	0.1446	0.1448	0.1448	0.1448	0.1448	0.1448	0.1448	0.1448	0.1448	0.1448	0.1448	0.1448	0.1448	0.1448
2016	0.1147	0.1295	0.1313	0.1313	0.1313	0.1313	0.1313	0.1313	0.1313	0.1313	0.1313	0.1313	0.1313	0.1313	0.1313	0.1313	0.1313
2017	0.1041	0.1126	0.1136	0.1138	0.1138	0.1138	0.1138	0.1138	0.1138	0.1138	0.1138	0.1138	0.1138	0.1138	0.1138	0.1138	0.1138
2018	0.1005	0.1107	0.1126	0.1131	0.1132	0.1132	0.1132	0.1132	0.1132	0.1132	0.1132	0.1132	0.1132	0.1132	0.1132	0.1132	0.1132
2019	0.0885	0.0990	0.0998	0.0999	0.0999	0.0999	0.0999	0.0999	0.0999	0.0999	0.0999	0.0999	0.0999	0.0999	0.0999	0.0999	0.0999
2020	0.0816	0.0885	0.0899	0.0899	0.0899	0.0899	0.0899	0.0899	0.0899	0.0899	0.0899	0.0899	0.0899	0.0899	0.0899	0.0899	0.0899
2021	0.0710	0.0793	0.0793	0.0793	0.0793	0.0793	0.0793	0.0793	0.0793	0.0793	0.0793	0.0793	0.0793	0.0793	0.0793	0.0793	0.0793
2022	0.0728	0.0728	0.0728	0.0728	0.0728	0.0728	0.0728	0.0728	0.0728	0.0728	0.0728	0.0728	0.0728	0.0728	0.0728	0.0728	0.0728

CLOSED LOST TIME CLAIMS DIVIDED BY EXPOSURE (PAYROLL IN MILLIONS)

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																	
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204	
1987															0.9151	0.9061	0.9121	0.9181
1988														0.9569	0.9569	0.9630	0.9634	0.9588
1989													0.8140	0.8140	0.8170	0.8204	0.8178	0.8208
1990											0.7934	0.8012	0.8071	0.8059	0.8086	0.8043	0.8055	
1991										0.6597	0.6722	0.6759	0.6765	0.6799	0.6789	0.6782	0.6786	
1992									0.7128	0.7159	0.7302	0.7330	0.7412	0.7412	0.7412	0.7384	0.7391	
1993									0.6559	0.6575	0.6611	0.6693	0.6794	0.6798	0.6772	0.6772	0.6781	0.6775
1994							0.6623	0.6617	0.6647	0.6675	0.6804	0.6844	0.6863	0.6854	0.6832	0.6850	0.6826	
1995						0.5695	0.5715	0.5735	0.5730	0.5747	0.5831	0.5846	0.5855	0.5861	0.5872	0.5852	0.5861	
1996					0.4538	0.4597	0.4611	0.4623	0.4638	0.4635	0.4691	0.4714	0.4720	0.4720	0.4726	0.4726	0.4741	
1997				0.4108	0.4179	0.4215	0.4238	0.4250	0.4259	0.4280	0.4351	0.4375	0.4393	0.4384	0.4396	0.4402	0.4407	
1998			0.3517	0.3713	0.3840	0.3872	0.3898	0.3928	0.3943	0.3970	0.4031	0.4052	0.4071	0.4071	0.4073	0.4084	0.4092	
1999		0.2517	0.3060	0.3186	0.3233	0.3297	0.3316	0.3336	0.3344	0.3361	0.3388	0.3413	0.3427	0.3427	0.3425	0.3423	0.3425	
2000	0.0532	0.2285	0.2557	0.2697	0.2762	0.2785	0.2810	0.2826	0.2828	0.2840	0.2879	0.2893	0.2904	0.2923	0.2911	0.2921	0.2930	
2001	0.0789	0.1925	0.2208	0.2316	0.2370	0.2403	0.2422	0.2425	0.2446	0.2457	0.2515	0.2528	0.2546	0.2552	0.2552	0.2559	0.2574	
2002	0.0726	0.1756	0.2016	0.2133	0.2174	0.2200	0.2209	0.2224	0.2239	0.2269	0.2295	0.2321	0.2336	0.2330	0.2323	0.2332	0.2345	
2003	0.0939	0.2151	0.2370	0.2476	0.2498	0.2516	0.2540	0.2529	0.2540	0.2563	0.2594	0.2621	0.2628	0.2634	0.2639	0.2666	0.2670	
2004	0.0940	0.2211	0.2473	0.2550	0.2608	0.2628	0.2630	0.2648	0.2666	0.2671	0.2715	0.2718	0.2731	0.2747	0.2751	0.2758	0.2769	
2005	0.0831	0.1819	0.2087	0.2146	0.2197	0.2220	0.2238	0.2238	0.2256	0.2271	0.2295	0.2324	0.2328	0.2336	0.2358	0.2367	0.2379	
2006	0.0775	0.1765	0.1942	0.2007	0.2054	0.2071	0.2085	0.2106	0.2104	0.2119	0.2146	0.2153	0.2174	0.2187	0.2201	0.2212	0.2227	
2007	0.0734	0.1616	0.1784	0.1851	0.1893	0.1936	0.1938	0.1943	0.1947	0.1971	0.1994	0.2019	0.2021	0.2030	0.2038	0.2039	0.2039	
2008	0.0630	0.1353	0.1544	0.1621	0.1670	0.1684	0.1694	0.1699	0.1692	0.1708	0.1735	0.1757	0.1756	0.1761	0.1764	0.1764	0.1764	
2009	0.0596	0.1395	0.1580	0.1639	0.1656	0.1689	0.1689	0.1691	0.1702	0.1711	0.1734	0.1743	0.1753	0.1764	0.1764	0.1764	0.1764	
2010	0.0643	0.1436	0.1596	0.1653	0.1690	0.1695	0.1693	0.1721	0.1735	0.1757	0.1787	0.1799	0.1812	0.1812	0.1812	0.1812	0.1812	
2011	0.0597	0.1421	0.1565	0.1629	0.1659	0.1676	0.1691	0.1717	0.1721	0.1743	0.1768	0.1778	0.1778	0.1778	0.1778	0.1778	0.1778	
2012	0.0538	0.1128	0.1229	0.1272	0.1288	0.1318	0.1341	0.1344	0.1374	0.1381	0.1411	0.1411	0.1411	0.1411	0.1411	0.1411	0.1411	
2013	0.0496	0.1086	0.1221	0.1270	0.1301	0.1331	0.1342	0.1356	0.1367	0.1386	0.1386	0.1386	0.1386	0.1386	0.1386	0.1386	0.1386	
2014	0.0498	0.1048	0.1174	0.1244	0.1274	0.1298	0.1313	0.1325	0.1334	0.1334	0.1334	0.1334	0.1334	0.1334	0.1334	0.1334	0.1334	
2015	0.0401	0.1119	0.1248	0.1286	0.1314	0.1338	0.1348	0.1354	0.1									

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - EXPENSE

REPORTED LOST TIME CLAIMS DIVIDED BY EXPOSURE (PAYROLL IN MILLIONS)

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																		
	216	228	240	252	264	276	288	300	312	324	336	348	360	372	384	396	408	420	432
1987	0.9255	0.9260	0.9260	0.9260	0.9260	0.9260	0.9260	0.9260	0.9260	0.9260	0.9275	0.9275	0.9275	0.9275	0.9275	0.9275	0.9275	0.9275	0.9275
1988	0.9756	0.9756	0.9746	0.9746	0.9746	0.9746	0.9746	0.9746	0.9742	0.9742	0.9746	0.9742	0.9742	0.9742	0.9742	0.9742	0.9742	0.9742	0.9742
1989	0.8298	0.8290	0.8290	0.8290	0.8290	0.8290	0.8294	0.8294	0.8298	0.8298	0.8298	0.8298	0.8298	0.8298	0.8298	0.8298	0.8298	0.8298	0.8298
1990	0.8223	0.8223	0.8223	0.8223	0.8223	0.8223	0.8223	0.8246	0.8242	0.8242	0.8242	0.8239	0.8239	0.8239	0.8239	0.8239	0.8239	0.8239	0.8239
1991	0.6944	0.6944	0.6944	0.6944	0.6944	0.6944	0.6967	0.6967	0.6967	0.6967	0.6967	0.6967	0.6967	0.6967	0.6964	0.6964			
1992	0.7549	0.7549	0.7549	0.7549	0.7549	0.7566	0.7566	0.7566	0.7566	0.7566	0.7566	0.7566	0.7566	0.7566	0.7566				
1993	0.6952	0.6952	0.6952	0.6952	0.6965	0.6965	0.6965	0.6965	0.6965	0.6965	0.6965	0.6965	0.6965	0.6965					
1994	0.7035	0.7035	0.7035	0.7041	0.7041	0.7041	0.7041	0.7041	0.7041	0.7041	0.7041	0.7041	0.7041	0.7041					
1995	0.6018	0.6018	0.6024	0.6024	0.6024	0.6024	0.6024	0.6024	0.6024	0.6024	0.6024	0.6024	0.6024						
1996	0.4921	0.4935	0.4935	0.4935	0.4935	0.4935	0.4935	0.4935	0.4935	0.4935	0.4935	0.4935							
1997	0.4597	0.4597	0.4597	0.4597	0.4597	0.4597	0.4597	0.4597	0.4597										
1998	0.4240	0.4240	0.4240	0.4238	0.4238	0.4238	0.4238	0.4238	0.4238										
1999	0.3583	0.3583	0.3583	0.3583	0.3583	0.3583	0.3583												
2000	0.3054	0.3054	0.3054	0.3054	0.3054	0.3054													
2001	0.2704	0.2704	0.2704	0.2704	0.2704														
2002	0.2460	0.2460	0.2460	0.2460															
2003	0.2791	0.2791	0.2791																
2004	0.2884	0.2884																	
2005	0.2459																		
2006																			
2007																			
2008																			
2009																			
2010																			
2011																			
2012																			
2013																			
2014																			
2015																			
2016																			
2017																			
2018																			
2019																			
2020																			
2021																			
2022																			

CLOSED LOST TIME CLAIMS DIVIDED BY EXPOSURE (PAYROLL IN MILLIONS)

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																		
	216	228	240	252	264	276	288	300	312	324	336	348	360	372	384	396	408	420	432
1987	0.9111	0.9101	0.9091	0.9081	0.9091	0.9116	0.9126	0.9156	0.9156	0.9156	0.9176	0.9185	0.9181	0.9195	0.9200	0.9220	0.9225	0.9220	0.9220
1988	0.9616	0.9583	0.9574	0.9592	0.9620	0.9611	0.9625	0.9653	0.9648	0.9653	0.9634	0.9648	0.9658	0.9662	0.9667	0.9672	0.9676	0.9676	0.9676
1989	0.8200	0.8174	0.8174	0.8196	0.8204	0.8221	0.8221	0.8234	0.8238	0.8243	0.8234	0.8243	0.8256	0.8247	0.8243	0.8251	0.8256		
1990	0.8051	0.8051	0.8032	0.8039	0.8035	0.8051	0.8059	0.8086	0.8086	0.8082	0.8102	0.8114	0.8133	0.8160	0.8164	0.8164			
1991	0.6779	0.6772	0.6755	0.6779	0.6789	0.6779	0.6799	0.6816	0.6799	0.6819	0.6823	0.6829	0.6836	0.6836	0.6836	0.6866			
1992	0.7391	0.7395	0.7405	0.7415	0.7412	0.7419	0.7426	0.7443	0.7426	0.7450	0.7463	0.7473	0.7477	0.7494					
1993	0.6781	0.6788	0.6801	0.6798	0.6808	0.6811	0.6821	0.6834	0.6844	0.6847	0.6853	0.6857	0.6863						
1994	0.6832	0.6850	0.6857	0.6869	0.6866	0.6881	0.6875	0.6881	0.6906	0.6918	0.6931	0.6946							
1995	0.5866	0.5863	0.5878	0.5887	0.5884	0.5895	0.5898	0.5907	0.5907	0.5916	0.5936								
1996	0.4744	0.4756	0.4770	0.4765	0.4776	0.4791	0.4803	0.4809	0.4818	0.4815									
1997	0.4422	0.4437	0.4452	0.4452	0.4476	0.4484	0.4482	0.4493	0.4502										
1998	0.4097	0.4097	0.4105	0.4100	0.4113	0.4126	0.4145	0.4148											
1999	0.3430	0.3435	0.3460	0.3474	0.3469	0.3474	0.3479												
2000	0.2921	0.2925	0.2948	0.2957	0.2969	0.2967													
2001	0.2580	0.2598	0.2600	0.2606	0.2608														
2002	0.2347	0.2350	0.2356	0.2363															
2003	0.2686	0.2690	0.2697																
2004	0.2776	0.2785																	
2005	0.2381																		
2006																			
2007																			
2008																			
2009																			
2010																			
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2015																			
2016																			
2017																			
2018																			
2019																			
2020																			
2021																			
2022																			

COMMONWEALTH OF VIRGINIA
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SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - EXPENSE

RATIO OF PAID EXPENSE TO CLOSED LOST TIME CLAIMS

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																	
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204	
1987															318	326	333	336
1988														416	440	446	454	471
1989												533	542	545	547	555	558	
1990											352	349	347	348	347	352	354	
1991										386	379	378	377	375	379	381	380	
1992									419	418	412	410	406	408	408	411	418	
1993								37	38	39	38	39	40	41	41	46	46	
1994							33	35	36	36	36	36	38	39	44	44	46	
1995						37	37	39	39	41	44	45	45	47	48	53	54	
1996					43	46	47	47	51	60	64	74	79	82	86	86	88	
1997				21	24	28	29	39	63	77	79	85	89	96	98	99	99	
1998			31	33	40	45	60	88	108	115	121	128	131	135	137	138	138	
1999		15	15	22	26	41	82	114	125	138	155	166	168	170	174	177	183	
2000	4	8	20	24	67	130	175	202	239	259	279	283	284	290	293	297	296	
2001	99	62	75	115	200	257	296	334	353	402	407	415	419	429	439	442	443	
2002	33	36	101	176	238	299	352	395	436	455	469	485	493	498	499	501	505	
2003	77	70	157	202	274	323	358	396	441	463	488	484	488	486	487	484	485	
2004	15	103	156	206	285	349	449	478	511	539	550	554	554	553	555	557	578	
2005	48	105	162	271	370	497	548	622	667	718	735	746	759	763	769	776	778	
2006	92	135	239	354	488	608	710	788	831	877	889	913	919	924	952	962	964	
2007	171	218	352	526	632	742	846	912	961	1,011	1,032	1,023	1,031	1,045	1,058	1,068		
2008	113	183	321	445	585	673	767	817	896	977	1,008	1,030	1,059	1,074	1,090			
2009	68	146	239	362	456	503	567	620	698	762	762	773	781	785				
2010	119	203	397	545	674	731	839	926	1,029	1,076	1,096	1,104	1,105					
2011	170	238	395	490	588	708	810	856	933	987	1,011	1,022						
2012	213	328	459	554	663	784	889	1,005	1,064	1,117	1,106							
2013	331	368	504	711	806	885	948	1,036	1,088	1,128								
2014	163	344	515	769	926	1,026	1,111	1,190	1,253									
2015	223	309	537	664	733	819	897	990										
2016	197	335	525	691	818	922	989											
2017	285	462	719	905	1,081	1,231												
2018	343	437	670	815	919													
2019	367	546	746	853														
2020	771	781	925															
2021	684	984																
2022	552																	

CLOSED LOST TIME CLAIMS DIVIDED BY ULTIMATE LOST TIME CLAIMS (DISPOSAL RATE)

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																	
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204	
1987															0.9866	0.9770	0.9834	0.9898
1988														0.9823	0.9823	0.9885	0.9890	0.9842
1989												0.9809	0.9809	0.9845	0.9886	0.9855	0.9892	
1990											0.9630	0.9725	0.9796	0.9782	0.9815	0.9763	0.9777	
1991										0.9473	0.9652	0.9705	0.9715	0.9763	0.9749	0.9739	0.9744	
1992									0.9421	0.9462	0.9652	0.9688	0.9796	0.9796	0.9796	0.9760	0.9769	
1993								0.9416	0.9440	0.9492	0.9609	0.9755	0.9760	0.9722	0.9722	0.9736	0.9727	
1994							0.9406	0.9397	0.9441	0.9480	0.9663	0.9720	0.9747	0.9733	0.9703	0.9729	0.9694	
1995						0.9454	0.9488	0.9522	0.9512	0.9541	0.9681	0.9705	0.9720	0.9729	0.9749	0.9715	0.9729	
1996					0.9194	0.9313	0.9343	0.9367	0.9397	0.9391	0.9504	0.9552	0.9564	0.9564	0.9576	0.9576	0.9606	
1997				0.8936	0.9091	0.9168	0.9220	0.9246	0.9265	0.9310	0.9465	0.9516	0.9555	0.9536	0.9562	0.9574	0.9587	
1998			0.8298	0.8761	0.9061	0.9136	0.9199	0.9268	0.9305	0.9368	0.9512	0.9562	0.9606	0.9606	0.9612	0.9637	0.9656	
1999		0.7025	0.8540	0.8891	0.9022	0.9201	0.9256	0.9311	0.9332	0.9380	0.9456	0.9525	0.9566	0.9566	0.9559	0.9552	0.9559	
2000	0.1742	0.7481	0.8371	0.8831	0.9042	0.9118	0.9201	0.9253	0.9261	0.9299	0.9427	0.9472	0.9510	0.9570	0.9532	0.9563	0.9593	
2001	0.2920	0.7120	0.8168	0.8568	0.8768	0.8888	0.8960	0.8968	0.9048	0.9088	0.9304	0.9352	0.9416	0.9440	0.9440	0.9464	0.9520	
2002	0.2952	0.7137	0.8194	0.8670	0.8837	0.8943	0.8978	0.9040	0.9101	0.9225	0.9330	0.9436	0.9498	0.9471	0.9445	0.9480	0.9533	
2003	0.3365	0.7708	0.8494	0.8870	0.8950	0.9014	0.9103	0.9063	0.9103	0.9183	0.9295	0.9391	0.9415	0.9439	0.9455	0.9511	0.9567	
2004	0.3258	0.7667	0.8577	0.8841	0.9044	0.9114	0.9121	0.9184	0.9246	0.9261	0.9417	0.9425	0.9471	0.9526	0.9541	0.9565	0.9603	
2005	0.3380	0.7400	0.8488	0.8729	0.8937	0.9028	0.9103	0.9103	0.9178	0.9236	0.9336	0.9452	0.9468	0.9502	0.9593	0.9626	0.9676	
2006	0.3333	0.7590	0.8350	0.8627	0.8832	0.8905	0.8962	0.9052	0.9044	0.9109	0.9224	0.9257	0.9346	0.9404	0.9461	0.9510	0.9575	
2007	0.3459	0.7617	0.8412	0.8728	0.8924	0.9129	0.9137	0.9163	0.9180	0.9291	0.9402	0.9522	0.9530	0.9573	0.9607	0.9616		
2008	0.3407	0.7313	0.8347	0.8763	0.9030	0.9104	0.9160	0.9187	0.9151	0.9234	0.9381	0.9501	0.9492	0.9520	0.9538			
2009	0.3266	0.7640	0.8655	0.8975	0.9067	0.9250	0.9250	0.9259	0.9323	0.9369	0.9497	0.9543	0.9597	0.9661				
2010	0.3404	0.7609	0.8453	0.8756	0.8951	0.8978	0.8969	0.9120	0.9191	0.9307	0.9467	0.9529	0.9600					
2011	0.3236	0.7700	0.8482	0.8827	0.8991	0.9082	0.9164	0.9309	0.9327	0.9445	0.9582	0.9636						
2012	0.3601	0.7546	0.8221	0.8510	0.8617	0.8821	0.8971	0.8992	0.9196	0.9239	0.9443							
2013	0.3369	0.7377	0.8294	0.8625	0.8838	0.9041	0.9115	0.9211	0.9286	0.9414								
2014	0.3500	0.7372	0.8255	0.8745	0.8957	0.9128	0.9234	0.9319	0.9383									
2015	0.2767	0.7726	0.8621	0.8879	0.9074	0.9239	0.9311	0.9352										
2016	0.3709	0.7768	0.8435	0.8840	0.9147	0.9322	0.9409											
2017	0.3689	0.7652	0.8323	0.8820	0.9056	0.9267												
2018	0.3668	0.7885	0.8602	0.9020	0.9271													
2019	0.4233	0.8108	0.8730	0.9153														
2020	0.4485	0.7997	0.8759															
2021	0.4387	0.7925																
2022	0.4431																	

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - EXPENSE

RATIO OF PAID EXPENSE TO CLOSED LOST TIME CLAIMS

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																		
	216	228	240	252	264	276	288	300	312	324	336	348	360	372	384	396	408	420	432
1987	355	392	412	422	422	421	420	419	419	419	418	419	420	420	420	420	421	423	425
1988	498	539	543	543	541	543	543	534	538	538	540	540	540	540	540	545	549	551	
1989	563	567	569	567	566	565	574	578	578	577	580	579	579	579	582	584	584		
1990	354	356	361	362	363	363	367	367	370	373	374	375	378	381	393	397			
1991	383	388	390	392	392	393	392	392	394	396	398	398	409	415	420				
1992	419	421	421	421	422	425	426	426	428	431	431	437	439	441					
1993	47	47	47	47	48	50	50	51	53	59	81	97	105						
1994	48	49	49	50	56	57	58	59	60	64	72	76							
1995	55	58	60	62	64	65	67	70	79	91	96								
1996	88	88	91	96	98	98	101	115	129	139									
1997	99	101	101	102	103	103	118	138	143										
1998	140	141	142	144	146	157	166	172											
1999	189	193	195	198	217	239	243												
2000	299	301	303	320	330	340													
2001	445	444	471	504	516														
2002	507	552	545	553															
2003	541	521	528																
2004	611	612																	
2005	780																		
2006																			
2007																			
2008																			
2009																			
2010																			
2011																			
2012																			
2013																			
2014																			
2015																			
2016																			
2017																			
2018																			
2019																			
2020																			
2021																			
2022																			

CLOSED LOST TIME CLAIMS DIVIDED BY ULTIMATE LOST TIME CLAIMS (DISPOSAL RATE)

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																		
	216	228	240	252	264	276	288	300	312	324	336	348	360	372	384	396	408	420	432
1987	0.9823	0.9813	0.9802	0.9791	0.9802	0.9829	0.9839	0.9872	0.9872	0.9872	0.9893	0.9904	0.9898	0.9914	0.9920	0.9941	0.9946	0.9941	0.9941
1988	0.9871	0.9837	0.9827	0.9847	0.9875	0.9866	0.9880	0.9909	0.9904	0.9909	0.9890	0.9904	0.9914	0.9919	0.9923	0.9928	0.9933	0.9933	0.9933
1989	0.9881	0.9850	0.9850	0.9876	0.9886	0.9907	0.9907	0.9923	0.9928	0.9933	0.9923	0.9933	0.9948	0.9938	0.9933	0.9943	0.9948		
1990	0.9772	0.9772	0.9749	0.9758	0.9753	0.9772	0.9782	0.9815	0.9815	0.9810	0.9834	0.9848	0.9872	0.9905	0.9910	0.9910			
1991	0.9734	0.9725	0.9700	0.9734	0.9749	0.9734	0.9763	0.9787	0.9763	0.9792	0.9797	0.9807	0.9816	0.9816	0.9860				
1992	0.9769	0.9774	0.9787	0.9801	0.9796	0.9805	0.9814	0.9837	0.9814	0.9846	0.9864	0.9878	0.9882	0.9905					
1993	0.9736	0.9746	0.9765	0.9760	0.9774	0.9779	0.9793	0.9812	0.9826	0.9831	0.9840	0.9845	0.9854						
1994	0.9703	0.9729	0.9738	0.9755	0.9751	0.9773	0.9764	0.9773	0.9808	0.9825	0.9843	0.9865							
1995	0.9739	0.9734	0.9758	0.9773	0.9768	0.9787	0.9792	0.9807	0.9807	0.9821	0.9855								
1996	0.9612	0.9636	0.9666	0.9654	0.9678	0.9707	0.9731	0.9743	0.9761	0.9755									
1997	0.9620	0.9652	0.9684	0.9684	0.9736	0.9755	0.9749	0.9774	0.9794										
1998	0.9668	0.9668	0.9687	0.9675	0.9706	0.9737	0.9781	0.9787											
1999	0.9573	0.9587	0.9656	0.9697	0.9683	0.9697	0.9711												
2000	0.9563	0.9578	0.9653	0.9683	0.9721	0.9713													
2001	0.9544	0.9608	0.9616	0.9640	0.9648														
2002	0.9542	0.9551	0.9577	0.9604															
2003	0.9623	0.9639	0.9663																
2004	0.9627	0.9658																	
2005	0.9684																		
2006																			
2007																			
2008																			
2009																			
2010																			
2011																			
2012																			
2013																			
2014																			
2015																			
2016																			
2017																			
2018																			
2019																			
2020																			
2021																			
2022																			

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - EXPENSE

INCREMENTAL INCURRED EXPENSE (\$000's)

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																			
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204			
1987											(53)	(73)	(7)	7	14	45	5	31		
1988											(7)	(19)	(36)	(27)	6	(2)	27	35	(6)	
1989											(5)	(3)	(12)	177	(180)	(3)	(1)	5	8	
1990								25	41	3	(6)	(36)	3	(1)	(13)	6	0	0	0	
1991																				
1992																				
1993																				
1994																				
1995																				
1996	27	29	17	8	(0)	8	3	0	(2)	3	4	3	3	46	(37)	7	1	1	1	
1997	45	(19)	12	(0)	8	11	(6)	15	53	22	1	6	9	8	(4)	(0)	(8)	(8)	(8)	
1998	24	15	5	12	21	2	24	44	46	19	13	1	0	3	(3)	12	0	4	4	
1999	42	(25)	12	15	6	19	75	52	10	25	25	(1)	2	3	(9)	9	14	1	14	
2000	14	13	17	2	53	127	67	31	41	27	29	(4)	(8)	6	(13)	4	(7)	(7)	(7)	
2001	215	(18)	22	48	127	40	58	49	(18)	42	(10)	0	(11)	2	9	(3)	(2)	(2)	(2)	
2002	13	32	68	122	117	64	52	75	35	(1)	(2)	(29)	(1)	16	1	1	7	1	7	
2003	70	33	151	95	102	47	25	75	56	22	(86)	(10)	3	(10)	23	(9)	3	3	3	
2004	39	117	93	75	117	120	138	57	38	(38)	(18)	(27)	(17)	(2)	5	5	39	39	39	
2005	35	126	105	131	145	194	118	54	67	22	(73)	(9)	6	(1)	14	11	1	1	1	
2006	85	106	151	111	167	273	118	151	32	(23)	(71)	(11)	(7)	4	42	29	40	40	40	
2007	160	137	173	227	199	119	238	35	21	(84)	(46)	(19)	22	22	83	74	74	74	74	
2008	144	87	215	148	138	265	45	35	45	45	(52)	(1)	15	47	128					
2009	67	146	144	114	227	80	44	45	43	(20)	(14)	(24)	16	10						
2010	100	167	245	412	75	63	114	46	32	(10)	(30)	10	(1)							
2011	136	173	566	101	25	101	20	(13)	32	13	15	(19)								
2012	152	388	179	176	95	65	21	14	28	(7)	(22)									
2013	201	310	381	291	126	(27)	13	75	34	30										
2014	271	221	280	291	143	13	22	76	64											
2015	275	294	381	115	(1)	97	145	31												
2016	224	301	213	177	64	39	72													
2017	217	275	275	229	40	231														
2018	382	211	250	165	74															
2019	342	288	198	22																
2020	546	259	51																	
2021	658	206																		
2022	520																			

CASE RESERVES (\$000's)

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																			
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204			
1987											136	50	32	38	29	75	63	84	84	
1988											255	172	120	103	97	71	66	127	118	
1989											245	209	171	115	74	63	93	77	77	
1990											35	31	21	24	12	188	6	3	2	
1991											63	61	60	54	15	18	17	4	2	
1992											38	38	38	34	43	24	14	1	1	
1993											31	31	32	40	21	10	9	8	6	
1994											30	30	33	36	34	3	2	3	3	
1995											8	11	7	5	5	1	3	4	4	
1996	0										29	29	27	37	36	39	28	35	28	
1997	27	2	8	8	13	17	10	11	29	30	26	23	26	24	18	16	6	6	6	
1998	2	2	2	9	18	12	14	17	32	39	41	31	26	20	16	3	2	2	2	
1999	28	2	11	16	16	15	35	44	39	45	45	27	25	25	11	15	21	21	21	
2000	13	19	22	17	17	168	78	75	70	70	70	60	49	45	30	28	21	21	21	
2001	179	142	142	144	174	148	161	167	125	110	83	72	52	42	38	30	25	25	25	
2002	2	16	19	62	112	111	108	137	127	101	78	26	14	25	26	23	22	22	22	
2003	38	36	88	126	145	135	117	150	154	146	45	34	31	21	42	31	32	32	32	
2004	32	55	77	90	109	152	172	191	187	114	72	39	19	16	17	18	28	28	28	
2005	15	67	100	112	144	196	253	226	238	198	97	65	55	46	45	45	39	39	39	
2006	47	66	98	79	93	231	233	289	275	193	98	55	32	24	26	37	67	67	67	
2007	90	102	123	159	235	222	348	309	276	124	42	19	31	33	97	159	159	159	159	
2008	102	86	156	172	160	334	282	263	233	190	91	54	41	69	179					
2009	43	91	130	115	246	269	248	239	198	109	85	45	49	49						
2010	54	93	135	387	321	204	330	272	190	117	47	41	31							
2011	76	108	507	501	421	396	307	233	186	129	105	68								
2012	80	309	367	455	458	410	331	247	205	147	114									
2013	97	257	300	409	441	322	275	266	247	229										
2014	217	254	373	421	426	338	277	214	276											
2015	215	337	500	492	417	425	493	436												
2016	157	287	333	357	296	232	239													
2017	233	307	386	454	348	448														
2018	277	305	361	393	369															
2019	224	296	336	260																
2020	301	362	282																	
2021	467	368																		
2022	352																			

INCURRED DEVELOPMENT TO PRIOR CASE RESERVES

Accident Period Ending 6/30	MONTHS FROM / TO																											
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204	204	216									
1987											(0.5383)	(0.1354)	0.2290	0.3668	1.1386	0.0655	0.4902	0.3297	0.3297									
1988											(0.2055)	(0.0524)	0.1657	0.2246	0.1840	1.1849	0.1782	0.6234	0.6234									
1989											(0.0284)	(0.0912)	(0.2122)	(0.2312)	0.0806	(0.0314)	0.5173	0.5103	(0.0654)	0.7905								
1990											0.0718	(0.1655)	(0.0908)	(0.4962)	14.8533	(0.9550)	(0.5024)	(0.4016)	48.6189	13.5845	0.0000							
1991											0.4613	0.6519	0.0425	(0.0990)	(0.6736)	0.2030	(0.0644)	(0.7633)	1.6392	0.0272	0.0504	2.5513						
1992											1.1671	0.1431	(0.1038)	0.3284	(0.3446)	(0.4206)	(0.0958)	(0.5993)	0.0000	5.0284	38.1857	0.5988						
1993											0.3921	0.3590	0.0453	(0.1645)	(0.4696)	0.0827	0.0105	0.3253	(0.4170)	2.4699	0.0570	(0.2421)						
1994											2.8622	0.6517	(0.0467)	1.3960	1.9608	0.0221	(0.2231)	0.5342	0.8270	2.4528	1.3281	10.9027	(0.7897)	0.9089	0.1897	0.3323		
1995											108.4624	2.3593	0.4644	(0.3923)	3.1236	0.0729	0.0276	0.1574	0.8348	0.2938	1.1394	0.5582	0.1218	(0.0773)	0.1380	0.1398	(0.5517)	
1996											(0.7030)	5.5985	(0.0236)	1.8565	0.8723	(0.3316)	1.5593	4.8892	0.7476	0.0233	0.2287	0.4175	0.3204	(0.1510)	(0.0050)	(0.5212)	0.1594	
1997											9.7907	2.1683	5.4492	2.2824	0.1052	1.9547	1.1568	2.7303	0.5776	0.3444	0.0342	0.0245	0.0190	(0.0327)	(0.7558)	0.3161	3.8650	
1998											(0.8697)	5.6082	1.3517	0.3960	1.1806	4.9143	1.5188	0.2241	0.6498	0.5530	(0.0212)	0.0644						

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - TOTAL CLAIM COUNTS

ESTIMATED ULTIMATE CLAIM COUNTS

ACCIDENT YEAR ENDING 6/30	(1)	(2)	(3)	(4)	(5)	(6)
	ACTUAL REPORTED CLAIMS	DEV'T METHOD	BORN-FERG METHOD	ESTIMATED ULTIMATE CLAIMS	CLOSED CLAIM COUNTS	IMPLIED OPEN & IBNR COUNTS
1987	12,524	12,524	12,524	12,524	12,513	11
1988	13,155	13,155	13,155	13,155	13,141	14
1989	12,955	12,955	12,955	12,955	12,944	11
1990	13,849	13,849	13,849	13,849	13,829	20
1991	13,413	13,413	13,413	13,413	13,381	32
1992	14,070	14,070	14,070	14,070	14,047	23
1993	14,441	14,441	14,441	14,441	14,410	31
1994	14,854	14,854	14,854	14,854	14,821	33
1995	13,202	13,202	13,202	13,202	13,171	31
1996	12,378	12,378	12,378	12,378	12,334	44
1997	11,766	11,766	11,766	11,766	11,731	35
1998	11,475	11,475	11,475	11,475	11,439	36
1999	10,571	10,571	10,571	10,571	10,528	43
2000	11,397	11,397	11,397	11,397	11,356	41
2001	11,593	11,593	11,593	11,593	11,545	48
2002	11,083	11,083	11,083	11,083	11,036	47
2003	10,257	10,257	10,257	10,257	10,211	46
2004	10,585	10,585	10,585	10,585	10,536	49
2005	9,808	9,808	9,808	9,808	9,766	42
2006	10,432	10,432	10,432	10,432	10,377	55
2007	9,970	9,970	9,970	9,970	9,918	52
2008	9,777	9,777	9,777	9,777	9,723	54
2009	9,752	9,752	9,752	9,752	9,713	39
2010	9,780	9,780	9,780	9,780	9,728	52
2011	9,447	9,447	9,447	9,447	9,396	51
2012	9,538	9,538	9,538	9,538	9,483	55
2013	9,145	9,145	9,145	9,145	9,084	61
2014	8,988	8,988	8,988	8,988	8,923	65
2015	8,758	8,758	8,758	8,758	8,688	70
2016	8,244	8,245	8,245	8,245	8,183	62
2017	7,262	7,264	7,264	7,264	7,190	74
2018	7,493	7,496	7,496	7,496	7,421	75
2019	6,852	6,856	6,856	6,856	6,779	77
2020	6,691	6,696	6,696	6,696	6,583	113
2021	4,993	5,002	5,004	5,003	4,822	181
2022	<u>5,301</u>	<u>5,442</u>	<u>5,456</u>	<u>5,456</u>	<u>4,473</u>	<u>983</u>
TOTAL	375,799	375,964	375,980	375,979	373,223	2,756

NOTES BY COLUMN:

- (1) FROM EXH. WC COUNT-5
(2) FROM EXH. WC COUNT-3, COL. (4)
(3) FROM EXH. WC COUNT-2, COL. (9)
(4) BASED ON COLUMNS (1) THROUGH (3) AND JUDGMENT
(5) FROM EXH. WC COUNT-8
(6) COL. (4) - COL. (5)

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - TOTAL CLAIM COUNTS

ESTIMATED ULTIMATE CLAIM COUNTS - BORNHUETTER-FERGUSON METHOD

ACCIDENT YEAR ENDING 6/30	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
	PRELIMINARY ULTIMATE CLAIMS	EXPOSURE	INDICATED FREQUENCY	TRENDED* FREQUENCY AT 1/22	SELECTED FREQUENCY	EXPECTED REPORTED CLAIMS	PERCENTAGE UNREPORTED CLAIMS	EXPECTED UNREPORTED CLAIMS	ESTIMATED ULTIMATE CLAIMS
1987	12,524	2,014	6.2183	0.4061	7.4212	14,947	0.00%	0	12,524
1988	13,155	2,141	6.1434	0.4337	6.8646	14,699	0.00%	0	13,155
1989	12,955	2,334	5.5501	0.4236	6.3498	14,822	0.00%	0	12,955
1990	13,849	2,560	5.4100	0.4464	5.8736	15,036	0.00%	0	13,849
1991	13,413	2,971	4.5146	0.4027	5.4330	16,142	0.00%	0	13,413
1992	14,070	2,921	4.8168	0.4645	5.0256	14,680	0.00%	0	14,070
1993	14,441	3,051	4.7332	0.4935	4.6486	14,183	0.00%	0	14,441
1994	14,854	3,249	4.5713	0.5152	4.3000	13,972	0.00%	0	14,854
1995	13,202	3,437	3.8417	0.4681	4.1695	14,329	0.00%	0	13,202
1996	12,378	3,394	3.6472	0.4805	3.8568	13,089	0.00%	0	12,378
1997	11,766	3,374	3.4874	0.4966	3.5676	12,036	0.00%	0	11,766
1998	11,475	3,771	3.0431	0.4685	3.3000	12,444	0.00%	0	11,475
1999	10,571	4,053	2.6085	0.4342	4.3259	17,531	0.00%	0	10,571
2000	11,397	4,342	2.6250	0.4723	4.0014	17,373	0.00%	0	11,397
2001	11,593	4,624	2.5074	0.4877	3.7013	17,113	0.00%	0	11,593
2002	11,083	4,614	2.4022	0.5052	3.4237	15,796	0.00%	0	11,083
2003	10,257	4,472	2.2938	0.5215	3.1669	14,162	0.00%	0	10,257
2004	10,585	4,460	2.3735	0.5834	2.9294	13,064	0.00%	0	10,585
2005	9,808	4,897	2.0028	0.5322	2.7097	13,270	0.00%	0	9,808
2006	10,432	5,262	1.9825	0.5695	2.5065	13,190	0.00%	0	10,432
2007	9,970	5,521	1.8057	0.5608	2.3185	12,801	0.00%	0	9,970
2008	9,777	5,855	1.6698	0.5606	2.1446	12,557	0.00%	0	9,777
2009	9,752	5,986	1.6292	0.5913	1.9838	11,874	0.00%	0	9,752
2010	9,780	5,960	1.6410	0.6439	1.8350	10,936	0.00%	0	9,780
2011	9,447	5,962	1.5845	0.6721	1.6974	10,120	0.00%	0	9,447
2012	9,538	6,243	1.5277	0.7006	1.5701	9,802	0.00%	0	9,538
2013	9,145	6,371	1.4353	0.7116	1.4523	9,253	0.00%	0	9,145
2014	8,988	6,610	1.3598	0.7288	1.3434	8,880	0.00%	0	8,988
2015	8,758	6,713	1.3047	0.7559	1.2426	8,342	0.00%	0	8,758
2016	8,245	6,960	1.1847	0.7421	1.1494	8,000	0.01%	1	8,245
2017	7,264	7,076	1.0265	0.6951	1.0632	7,524	0.02%	2	7,264
2018	7,496	7,392	1.0141	0.7424	0.9835	7,270	0.04%	3	7,496
2019	6,856	7,559	0.9070	0.7179	0.9097	6,876	0.06%	4	6,856
2020	6,696	7,865	0.8514	0.7285	0.8415	6,618	0.07%	5	6,696
2021	5,002	7,877	0.6350	0.5874	0.7784	6,131	0.18%	11	5,004
2022	<u>5,442</u>	<u>8,327</u>	0.6535	<u>0.6535</u>	0.7200	<u>5,996</u>	2.58%	<u>155</u>	<u>5,456</u>
TOTAL	375,964	180,216				434,857		180	375,980
AVERAGE				0.5666					
SELECTED				0.7200					

* Trend Factor= 0.9250

NOTES BY COLUMN:

- (1) FROM EXH. WC COUNT-3, COL. (4)
- (2) FROM COMMONWEALTH OF VIRGINIA. EXPOSURES = PAYROLL IN MILLIONS OF DOLLARS
- (3) COL. (1) / COL. (2)
- (4) COL.(3) x TRENDA*(2022-AY)
- (5) SELECTED TRENDED FREQUENCY DETRENDED TO APPROPRIATE ACCIDENT YEAR LEVEL

- (6) COL. (2) x COL. (5)
- (7) 1-(1)/(CUM. SELECTED FACTOR (EXH. WC COUNT-3, COL. (3)))
- (8) COL. (6) x COL. (7)
- (9) COL. (8) + EXH. WC COUNT-3, COL. (1)

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - TOTAL CLAIM COUNTS

ESTIMATED ULTIMATE CLAIM COUNTS
DEVELOPMENT METHOD

ACCIDENT YEAR ENDING 6/30	(1)	(2)	(3)	(4)
	REPORTED CLAIMS	REPORTED CLAIM DEV'T FACTORS	SELECTED CLAIM DEV'T FACTORS	ESTIMATED ULTIMATE CLAIMS
1987	12,524	1.0000	1.0000	12,524
1988	13,155	1.0000	1.0000	13,155
1989	12,955	1.0000	1.0000	12,955
1990	13,849	1.0000	1.0000	13,849
1991	13,413	1.0000	1.0000	13,413
1992	14,070	1.0000	1.0000	14,070
1993	14,441	1.0000	1.0000	14,441
1994	14,854	1.0000	1.0000	14,854
1995	13,202	1.0000	1.0000	13,202
1996	12,378	1.0000	1.0000	12,378
1997	11,766	1.0000	1.0000	11,766
1998	11,475	1.0000	1.0000	11,475
1999	10,571	1.0000	1.0000	10,571
2000	11,397	1.0000	1.0000	11,397
2001	11,593	1.0000	1.0000	11,593
2002	11,083	1.0000	1.0000	11,083
2003	10,257	1.0000	1.0000	10,257
2004	10,585	1.0000	1.0000	10,585
2005	9,808	1.0000	1.0000	9,808
2006	10,432	1.0000	1.0000	10,432
2007	9,970	1.0000	1.0000	9,970
2008	9,777	1.0000	1.0000	9,777
2009	9,752	1.0000	1.0000	9,752
2010	9,780	1.0000	1.0000	9,780
2011	9,447	1.0000	1.0000	9,447
2012	9,538	1.0000	1.0000	9,538
2013	9,145	1.0000	1.0000	9,145
2014	8,988	1.0000	1.0000	8,988
2015	8,758	1.0000	1.0000	8,758
2016	8,244	1.0001	1.0001	8,245
2017	7,262	1.0002	1.0002	7,264
2018	7,493	1.0004	1.0004	7,496
2019	6,852	1.0006	1.0006	6,856
2020	6,691	1.0007	1.0007	6,696
2021	4,993	1.0018	1.0018	5,002
2022	<u>5,301</u>	1.0265	1.0265	<u>5,442</u>
TOTAL	375,799			375,964

NOTES BY COLUMN:

(1) FROM EXH. WC COUNT-5

(2) FROM EXH. WC COUNT-4

(3) BASED ON COLUMN (2) AND JUDGMENT

(4) COL. (1) x COL. (3)

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - TOTAL CLAIM COUNTS

AGE - TO - AGE REPORTED CLAIM COUNT DEVELOPMENT FACTORS

Accident Period Ending 6/30	MONTHS FROM / TO																	
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204	216
1987	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204	216	
1987									1.0000	1.0001	0.9998	1.0000	1.0002	1.0000	1.0000	1.0000	1.0000	
1988								1.0000	0.9999	1.0003	1.0001	0.9999	1.0000	1.0000	1.0000	1.0000	1.0000	0.9999
1989								1.0001	1.0004	0.9996	1.0000	1.0000	1.0001	1.0000	1.0001	1.0000	1.0000	0.9999
1990							1.0000	0.9999	1.0000	1.0000	1.0000	1.0001	1.0001	0.9999	1.0000	1.0001	1.0000	1.0000
1991						1.0000	1.0000	1.0000	1.0001	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
1992					0.9997	1.0004	1.0000	1.0000	1.0001	0.9999	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0001	1.0000
1993				1.0001	1.0001	0.9998	1.0000	1.0000	0.9999	1.0000	1.0001	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
1994			1.0001	1.0001	1.0002	1.0001	1.0001	1.0001	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
1995		1.0008	1.0001	1.0002	1.0002	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
1996	1.0886	1.0011	1.0001	1.0002	1.0000	0.9999	1.0000	1.0000	1.0000	1.0000	1.0001	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
1997	1.0871	1.0005	1.0004	1.0002	1.0000	1.0000	1.0001	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
1998	1.0754	1.0024	1.0004	1.0001	1.0000	1.0001	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
1999	1.0882	1.0014	1.0003	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0001	1.0000	1.0001	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
2000	1.0520	1.0020	0.9999	1.0002	0.9999	0.9999	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0001	1.0000
2001	1.0477	1.0010	1.0003	0.9999	1.0001	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0001	1.0000	1.0000	1.0000
2002	1.0470	1.0018	1.0003	1.0000	1.0001	1.0001	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
2003	1.0463	1.0013	1.0002	1.0000	1.0001	1.0001	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0001	1.0000	1.0000
2004	1.0353	1.0010	1.0003	1.0001	1.0002	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0001	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
2005	1.0413	1.0004	1.0000	1.0000	1.0000	1.0000	1.0001	1.0000	1.0000	1.0000	1.0000	1.0014	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
2006	1.0379	1.0013	1.0001	1.0001	1.0000	1.0000	1.0000	1.0000	1.0000	1.0001	1.0000	1.0000	0.9999	1.0001	1.0000	1.0000	1.0000	1.0000
2007	1.0546	1.0002	1.0000	1.0001	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0002	1.0000	1.0000	1.0000
2008	1.0278	1.0009	1.0006	1.0000	1.0001	1.0001	1.0000	1.0000	1.0000	1.0001	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
2009	1.0224	1.0015	1.0000	1.0000	1.0002	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0001	1.0000	1.0000	1.0000	1.0000	1.0000
2010	1.0175	1.0007	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
2011	1.0227	1.0008	1.0003	1.0002	1.0003	1.0000	1.0002	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
2012	1.0207	1.0003	1.0003	1.0001	1.0001	1.0002	1.0001	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
2013	1.0258	1.0004	1.0002	1.0000	1.0001	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
2014	1.0230	1.0006	1.0000	1.0002	1.0000	1.0003	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
2015	1.0238	1.0009	1.0001	1.0001	1.0005	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
2016	1.0223	1.0006	1.0001	1.0002	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
2017	1.0229	1.0012	1.0001	1.0001	1.0001	1.0001	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
2018	1.0220	1.0024	1.0003	1.0003	1.0003	1.0003	1.0003	1.0003	1.0003	1.0003	1.0003	1.0003	1.0003	1.0003	1.0003	1.0003	1.0003	1.0003
2019	1.0304	1.0007	1.0001	1.0001	1.0001	1.0001	1.0001	1.0001	1.0001	1.0001	1.0001	1.0001	1.0001	1.0001	1.0001	1.0001	1.0001	1.0001
2020	1.0150	1.0009	1.0009	1.0009	1.0009	1.0009	1.0009	1.0009	1.0009	1.0009	1.0009	1.0009	1.0009	1.0009	1.0009	1.0009	1.0009	1.0009
2021	1.0299	1.0299	1.0299	1.0299	1.0299	1.0299	1.0299	1.0299	1.0299	1.0299	1.0299	1.0299	1.0299	1.0299	1.0299	1.0299	1.0299	1.0299
VOL WTD 3	1.0247	1.0014	1.0002	1.0002	1.0002	1.0001	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0001	1.0000	1.0000	1.0000
VOL WTD 5	1.0237	1.0012	1.0002	1.0002	1.0002	1.0001	1.0001	1.0001	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0001	1.0000	1.0000
VOL WTD ALL	1.0417	1.0011	1.0002	1.0001	1.0001	1.0001	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0001	1.0000	1.0000	1.0000	1.0000	1.0000
ARITH 3	1.0251	1.0013	1.0002	1.0002	1.0002	1.0001	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0001	1.0000	1.0000	1.0000
ARITH 5	1.0240	1.0012	1.0002	1.0002	1.0002	1.0001	1.0001	1.0001	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0001	1.0000	1.0000	1.0000
ARITH ALL	1.0395	1.0011	1.0002	1.0001	1.0001	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0001	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
EXCL. HI - LO	1.0385	1.0010	1.0002	1.0001	1.0001	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
SELECTED	1.0247	1.0011	1.0002	1.0002	1.0001	1.0001	1.0001	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
CUM SEL'D	1.0265	1.0018	1.0007	1.0006	1.0004	1.0002	1.0001	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
L'T YR SEL'D	1.0225	1.0012	1.0002	1.0002	1.0001	1.0001	1.0001	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
EXP % REP'TD	97.4%	99.8%	99.9%	99.9%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

NOTES: BASED ON EXHIBIT WC COUNT-5.

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - TOTAL CLAIM COUNTS

Accident Period Ending 6/30	REPORTED CLAIM COUNTS																
	AGE OF DEVELOPMENT IN MONTHS																
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204
1987																	
1988																	
1989																	
1990																	
1991																	
1992																	
1993																	
1994																	
1995																	
1996																	
1997																	
1998																	
1999																	
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2010																	
2011																	
2012																	
2013																	
2014																	
2015																	
2016																	
2017																	
2018																	
2019																	
2020																	
2021																	
2022																	

NOTES: DATA BASED ON INFORMATION PROVIDED BY DHRM.

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - TOTAL CLAIM COUNTS

REPORTED CLAIM COUNTS

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																		
	216	228	240	252	264	276	288	300	312	324	336	348	360	372	384	396	408	420	432
1987	12,524	12,525	12,525	12,523	12,523	12,523	12,523	12,523	12,523	12,523	12,523	12,523	12,523	12,524	12,524	12,524	12,524	12,524	12,524
1988	13,155	13,155	13,156	13,156	13,156	13,156	13,156	13,155	13,155	13,155	13,155	13,155	13,155	13,155	13,155	13,155	13,155	13,155	13,155
1989	12,958	12,954	12,954	12,954	12,954	12,954	12,955	12,955	12,955	12,955	12,955	12,955	12,955	12,955	12,955	12,955	12,955	12,955	12,955
1990	13,849	13,849	13,849	13,849	13,849	13,849	13,849	13,849	13,849	13,849	13,849	13,849	13,849	13,849	13,849	13,849	13,849	13,849	13,849
1991	13,413	13,413	13,413	13,413	13,413	13,413	13,413	13,413	13,413	13,413	13,413	13,413	13,413	13,413	13,413	13,413	13,413	13,413	13,413
1992	14,070	14,070	14,070	14,070	14,070	14,070	14,070	14,070	14,070	14,070	14,070	14,070	14,070	14,070	14,070	14,070	14,070	14,070	14,070
1993	14,441	14,441	14,441	14,441	14,441	14,441	14,441	14,441	14,441	14,441	14,441	14,441	14,441	14,441	14,441	14,441	14,441	14,441	14,441
1994	14,854	14,854	14,854	14,854	14,854	14,854	14,854	14,854	14,854	14,854	14,854	14,854	14,854	14,854	14,854	14,854	14,854	14,854	14,854
1995	13,202	13,202	13,202	13,202	13,202	13,203	13,202	13,202	13,202	13,202	13,202	13,202	13,202	13,202	13,202	13,202	13,202	13,202	13,202
1996	12,377	12,377	12,378	12,378	12,378	12,378	12,378	12,378	12,378	12,378	12,378	12,378	12,378	12,378	12,378	12,378	12,378	12,378	12,378
1997	11,766	11,766	11,766	11,766	11,766	11,766	11,766	11,766	11,766	11,766	11,766	11,766	11,766	11,766	11,766	11,766	11,766	11,766	11,766
1998	11,475	11,475	11,475	11,475	11,475	11,475	11,475	11,475	11,475	11,475	11,475	11,475	11,475	11,475	11,475	11,475	11,475	11,475	11,475
1999	10,571	10,571	10,571	10,571	10,571	10,571	10,571	10,571	10,571	10,571	10,571	10,571	10,571	10,571	10,571	10,571	10,571	10,571	10,571
2000	11,397	11,397	11,397	11,397	11,397	11,397	11,397	11,397	11,397	11,397	11,397	11,397	11,397	11,397	11,397	11,397	11,397	11,397	11,397
2001	11,593	11,593	11,593	11,593	11,593	11,593	11,593	11,593	11,593	11,593	11,593	11,593	11,593	11,593	11,593	11,593	11,593	11,593	11,593
2002	11,083	11,083	11,083	11,083	11,083	11,083	11,083	11,083	11,083	11,083	11,083	11,083	11,083	11,083	11,083	11,083	11,083	11,083	11,083
2003	10,257	10,257	10,257	10,257	10,257	10,257	10,257	10,257	10,257	10,257	10,257	10,257	10,257	10,257	10,257	10,257	10,257	10,257	10,257
2004	10,585	10,585	10,585	10,585	10,585	10,585	10,585	10,585	10,585	10,585	10,585	10,585	10,585	10,585	10,585	10,585	10,585	10,585	10,585
2005	9,808	9,808	9,808	9,808	9,808	9,808	9,808	9,808	9,808	9,808	9,808	9,808	9,808	9,808	9,808	9,808	9,808	9,808	9,808
2006																			
2007																			
2008																			
2009																			
2010																			
2011																			
2012																			
2013																			
2014																			
2015																			
2016																			
2017																			
2018																			
2019																			
2020																			
2021																			
2022																			

NOTES: DATA BASED ON INFORMATION PROVIDED BY DHRM.

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - TOTAL CLAIM COUNTS

OPEN CLAIM COUNTS

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204
1987										65	41	42	46	28	48	27	15
1988									67	57	32	40	39	38	28	27	38
1989								86	82	73	52	37	37	30	22	31	23
1990							146	129	126	109	69	53	38	42	34	45	43
1991						156	133	127	109	96	64	53	53	43	49	50	49
1992					202	163	144	135	124	114	72	63	41	42	42	50	48
1993				222	173	145	125	120	115	104	79	49	48	55	55	52	54
1994			298	226	159	134	134	137	129	118	76	65	58	61	68	62	71
1995		442	218	150	116	113	104	99	101	94	66	60	57	56	52	59	56
1996	2,229	420	190	151	133	110	103	102	98	100	81	74	73	72	69	69	64
1997	1,948	344	214	160	140	128	120	117	115	106	83	75	70	72	68	66	64
1998	2,332	453	294	205	149	138	130	119	113	102	80	71	64	64	63	60	58
1999	1,489	542	271	188	151	120	113	104	100	92	81	70	66	65	65	66	65
2000	1,402	436	240	169	132	123	111	102	100	96	78	73	68	60	65	60	57
2001	1,362	395	265	193	165	145	135	134	124	119	92	87	78	75	75	72	66
2002	2,317	388	222	156	138	123	123	115	104	90	78	65	58	60	66	62	56
2003	2,738	363	208	157	138	129	121	125	120	109	96	81	77	77	74	63	58
2004	1,835	352	206	161	130	120	121	112	104	102	81	81	76	69	67	62	57
2005	1,751	405	206	163	135	121	112	112	101	95	87	70	68	64	51	49	42
2006	1,932	356	215	175	147	138	131	120	121	113	99	95	83	77	70	63	55
2007	1,856	353	206	161	134	108	109	105	104	91	78	63	62	57	54	52	
2008	1,709	336	191	147	113	105	96	96	98	89	72	59	60	56	54		
2009	1,625	303	179	135	111	87	87	85	78	71	57	52	47	39			
2010	1,634	343	203	155	131	128	128	109	100	86	67	61	52				
2011	1,843	307	188	143	122	115	103	90	84	69	55	51					
2012	1,532	278	186	153	145	117	102	101	79	74	55						
2013	1,691	310	179	146	118	98	90	80	73	61							
2014	1,518	293	187	130	109	91	82	71	65								
2015	1,954	272	161	128	106	90	75	70									
2016	1,531	260	174	125	88	69	61										
2017	1,316	236	162	119	89	72											
2018	1,378	213	138	96	72												
2019	1,104	203	112	73													
2020	886	187	108														
2021	835	171															
2022	828																

NOTES: DATA BASED ON INFORMATION PROVIDED BY DHRM.

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - TOTAL CLAIM COUNTS

OPEN CLAIM COUNTS

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																		
	216	228	240	252	264	276	288	300	312	324	336	348	360	372	384	396	408	420	432
1987	29	32	34	37	34	29	27	21	21	21	20	18	19	16	15	11	10	11	11
1988	30	38	38	34	27	29	26	19	20	20	24	20	18	17	17	15	14	14	
1989	24	28	28	23	21	17	18	15	15	14	16	14	11	13	14	12	11		
1990	44	44	50	47	48	45	42	41	41	42	38	34	28	21	20	20			
1991	50	54	56	51	48	50	52	47	52	46	45	43	41	41	32				
1992	48	47	44	41	42	45	44	39	43	36	31	29	28	23					
1993	52	50	46	47	48	47	44	40	37	36	34	33	31						
1994	68	62	60	58	59	54	56	54	46	42	38	33							
1995	54	55	51	48	49	45	44	41	41	38	31								
1996	63	64	60	62	57	52	48	47	44	44									
1997	65	59	54	54	46	43	44	39	35										
1998	56	56	53	55	50	45	38	36											
1999	63	61	51	45	47	45	43												
2000	61	59	49	45	40	41													
2001	62	54	53	50	48														
2002	55	53	49	47															
2003	51	49	46																
2004	53	49																	
2005	42																		
2006																			
2007																			
2008																			
2009																			
2010																			
2011																			
2012																			
2013																			
2014																			
2015																			
2016																			
2017																			
2018																			
2019																			
2020																			
2021																			
2022																			

NOTES: DATA BASED ON INFORMATION PROVIDED BY DHRM.

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - TOTAL CLAIM COUNTS

AGE - TO - AGE CLOSED CLAIM COUNT DEVELOPMENT FACTORS

Accident Period Ending 6/30	MONTHS FROM / TO																	
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204	216
1987	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204	216	
1988									1.0008	1.0018	1.0019	1.0000	0.9995	1.0014	0.9986	1.0017	1.0010	0.9989
1989								1.0004	1.0011	1.0012	1.0012	1.0000	1.0006	1.0006	0.9994	1.0006	0.9998	1.0005
1990							1.0012	1.0001	1.0012	1.0029	1.0012	1.0012	0.9998	1.0005	0.9992	1.0002	0.9999	1.0000
1991						1.0017	1.0005	1.0014	1.0011	1.0024	1.0008	1.0000	1.0007	0.9996	0.9999	1.0001	0.9999	1.0000
1992					1.0025	1.0017	1.0006	1.0008	1.0007	1.0032	1.0006	1.0016	0.9999	1.0000	0.9994	1.0002	1.0000	1.0000
1993				1.0035	1.0020	1.0012	1.0003	1.0003	1.0007	1.0017	1.0022	1.0001	0.9995	1.0000	1.0002	0.9999	1.0001	1.0001
1994			1.0051	1.0047	1.0019	1.0001	0.9999	1.0007	1.0007	1.0029	1.0007	1.0005	0.9998	0.9995	1.0004	0.9994	1.0002	1.0002
1995		1.0184	1.0053	1.0028	1.0005	1.0007	1.0004	0.9998	1.0005	1.0021	1.0005	1.0002	1.0001	1.0003	0.9995	1.0002	1.0002	1.0002
1996	1.3084	1.0204	1.0033	1.0016	1.0019	1.0005	1.0001	1.0003	0.9998	1.0015	1.0007	1.0001	1.0001	1.0002	1.0000	1.0004	1.0001	1.0001
1997	1.2873	1.0119	1.0051	1.0019	1.0010	1.0007	1.0003	1.0002	1.0008	1.0020	1.0007	1.0004	0.9998	1.0003	1.0002	1.0002	0.9999	1.0002
1998	1.3227	1.0169	1.0083	1.0050	1.0010	1.0008	1.0010	1.0005	1.0010	1.0019	1.0008	1.0006	1.0000	1.0001	1.0003	1.0002	1.0002	1.0002
1999	1.2196	1.0286	1.0084	1.0036	1.0030	1.0007	1.0009	1.0004	1.0008	1.0011	1.0010	1.0005	1.0001	1.0000	0.9999	1.0001	1.0002	1.0002
2000	1.1624	1.0200	1.0063	1.0035	1.0007	1.0010	1.0008	1.0002	1.0004	1.0016	1.0004	1.0004	1.0007	0.9996	1.0004	1.0004	0.9996	1.0000
2001	1.1542	1.0127	1.0066	1.0024	1.0018	1.0009	1.0001	1.0009	1.0004	1.0024	1.0004	1.0008	1.0003	1.0001	1.0003	1.0005	1.0003	1.0003
2002	1.2941	1.0174	1.0064	1.0016	1.0015	1.0001	1.0007	1.0010	1.0013	1.0011	1.0012	1.0006	0.9998	0.9995	1.0004	1.0005	1.0001	1.0001
2003	1.4012	1.0170	1.0053	1.0019	1.0010	1.0009	0.9996	1.0005	1.0011	1.0013	1.0015	1.0004	1.0000	1.0003	1.0012	1.0005	1.0007	1.0007
2004	1.2201	1.0154	1.0046	1.0031	1.0011	0.9999	1.0009	1.0008	1.0002	1.0020	1.0000	1.0006	1.0007	1.0002	1.0005	1.0005	1.0004	1.0004
2005	1.2267	1.0216	1.0045	1.0029	1.0014	1.0009	1.0001	1.0011	1.0007	1.0008	1.0018	1.0016	1.0004	1.0013	1.0002	1.0007	1.0000	1.0000
2006	1.2414	1.0154	1.0040	1.0028	1.0009	1.0007	1.0011	0.9999	1.0008	1.0015	1.0004	1.0012	1.0005	1.0008	1.0007	1.0008	1.0000	1.0000
2007	1.2659	1.0155	1.0046	1.0029	1.0026	0.9999	1.0004	1.0001	1.0013	1.0013	1.0015	1.0001	1.0005	1.0005	1.0002	1.0000	1.0000	1.0000
2008	1.2102	1.0163	1.0052	1.0035	1.0009	1.0010	1.0000	0.9998	1.0009	1.0019	1.0013	0.9999	1.0004	1.0002	1.0000	1.0000	1.0000	1.0000
2009	1.1944	1.0147	1.0046	1.0025	1.0027	1.0000	1.0002	1.0007	1.0007	1.0014	1.0005	1.0006	1.0008	1.0000	1.0000	1.0000	1.0000	1.0000
2010	1.1830	1.0156	1.0050	1.0025	1.0003	1.0000	1.0020	1.0009	1.0014	1.0020	1.0006	1.0009	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
2011	1.2365	1.0139	1.0052	1.0025	1.0011	1.0013	1.0016	1.0006	1.0016	1.0015	1.0004	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
2012	1.1855	1.0103	1.0039	1.0010	1.0031	1.0018	1.0002	1.0023	1.0005	1.0020	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
2013	1.2232	1.0153	1.0039	1.0031	1.0023	1.0009	1.0011	1.0008	1.0013	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
2014	1.1966	1.0128	1.0065	1.0026	1.0020	1.0013	1.0012	1.0007	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
2015	1.2862	1.0140	1.0040	1.0027	1.0023	1.0017	1.0006	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
2016	1.2224	1.0114	1.0062	1.0048	1.0023	1.0010	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
2017	1.2152	1.0118	1.0062	1.0043	1.0025	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
2018	1.2235	1.0128	1.0060	1.0035	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
2019	1.1991	1.0145	1.0059	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
2020	1.1400	1.0131	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
2021	1.2016	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
VOL WTD 3	1.1777	1.0134	1.0060	1.0042	1.0024	1.0014	1.0010	1.0013	1.0011	1.0018	1.0005	1.0005	1.0006	1.0005	1.0004	1.0007	1.0004	1.0004
VOL WTD 5	1.1958	1.0127	1.0056	1.0035	1.0023	1.0014	1.0009	1.0011	1.0011	1.0018	1.0009	1.0005	1.0005	1.0006	1.0006	1.0006	1.0006	1.0003
VOL WTD ALL	1.2327	1.0159	1.0054	1.0030	1.0017	1.0008	1.0006	1.0006	1.0008	1.0019	1.0008	1.0005	1.0002	1.0001	1.0002	1.0002	1.0001	1.0001
ARITH 3	1.1802	1.0134	1.0060	1.0042	1.0024	1.0014	1.0010	1.0013	1.0012	1.0018	1.0005	1.0005	1.0006	1.0005	1.0004	1.0007	1.0004	1.0004
ARITH 5	1.1959	1.0127	1.0057	1.0036	1.0023	1.0013	1.0009	1.0011	1.0011	1.0018	1.0009	1.0005	1.0005	1.0006	1.0005	1.0006	1.0006	1.0003
ARITH ALL	1.2316	1.0157	1.0054	1.0030	1.0017	1.0008	1.0006	1.0006	1.0008	1.0018	1.0008	1.0005	1.0003	1.0001	1.0002	1.0003	1.0001	1.0001
EXCL. HI - LO	1.2283	1.0154	1.0054	1.0030	1.0017	1.0008	1.0006	1.0005	1.0008	1.0018	1.0008	1.0005	1.0002	1.0002	1.0002	1.0003	1.0001	1.0001
SELECTED	1.2000	1.0127	1.0060	1.0034	1.0023	1.0013	1.0010	1.0009	1.0008	1.0017	1.0007	1.0006	1.0005	1.0005	1.0004	1.0004	1.0004	1.0004
CUM SEL'D	1.2469	1.0391	1.0261	1.0200	1.0165	1.0142	1.0129	1.0119	1.0109	1.0101	1.0084	1.0077	1.0071	1.0066	1.0061	1.0057	1.0053	1.0053
L'T YR SEL'D	1.2200	1.0135	1.0055	1.0033	1.0021	1.0013	1.0011	1.0009	1.0008	1.0017	1.0010	1.0007	1.0003	1.0003	1.0003	1.0003	1.0003	1.0002
EXP % REP'TD	80.2%	96.2%	97.5%	98.0%	98.4%	98.6%	98.7%	98.8%	98.9%	99.0%	99.2%	99.2%	99.3%	99.3%	99.4%	99.4%	99.4%	99.5%

NOTES: BASED ON EXHIBIT WC COUNT-8.

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - TOTAL CLAIM COUNTS

AGE - TO - AGE CLOSED CLAIM COUNT DEVELOPMENT FACTORS

Accident Period Ending 6/30	MONTHS FROM / TO																		
	216	228	240	252	264	276	288	300	312	324	336	348	360	372	384	396	408	420	432
1987	0.9998	0.9998	0.9996	1.0002	1.0004	1.0002	1.0005	1.0000	1.0000	1.0001	1.0002	1.0000	1.0002	1.0001	1.0003	1.0001	0.9999	1.0000	
1988	0.9994	1.0001	1.0003	1.0005	0.9998	1.0002	1.0005	0.9999	1.0000	0.9997	1.0003	1.0002	1.0001	1.0000	1.0002	1.0001	1.0000	1.0001	1.0000
1989	0.9994	1.0000	1.0004	1.0002	1.0003	1.0000	1.0002	1.0000	1.0001	0.9998	1.0002	1.0002	0.9998	0.9999	1.0002	1.0001			
1990	1.0000	0.9996	1.0002	0.9999	1.0002	1.0002	1.0001	1.0000	0.9999	1.0003	1.0003	1.0004	1.0005	1.0001	1.0000				
1991	0.9997	0.9999	1.0004	1.0002	0.9999	0.9999	1.0004	0.9996	1.0004	1.0001	1.0001	1.0001	1.0000	1.0007					
1992	1.0001	1.0002	1.0002	0.9999	0.9998	1.0001	1.0004	0.9997	1.0005	1.0004	1.0001	1.0001	1.0004						
1993	1.0001	1.0003	0.9999	0.9999	1.0001	1.0002	1.0003	1.0002	1.0001	1.0001	1.0001	1.0001							
1994	1.0004	1.0001	1.0001	0.9999	1.0003	0.9999	1.0001	1.0005	1.0003	1.0003	1.0003								
1995	0.9999	1.0003	1.0002	0.9999	1.0004	1.0000	1.0002	1.0000	1.0002	1.0005									
1996	0.9999	1.0004	0.9998	1.0004	1.0004	1.0003	1.0001	1.0002	1.0000										
1997	1.0005	1.0004	1.0000	1.0007	1.0003	0.9999	1.0004	1.0003											
1998	1.0000	1.0003	0.9998	1.0004	1.0004	1.0006	1.0002												
1999	1.0002	1.0010	1.0006	0.9998	1.0002	1.0002													
2000	1.0002	1.0009	1.0004	1.0004	0.9999														
2001	1.0007	1.0001	1.0003	1.0002															
2002	1.0002	1.0004	1.0002																
2003	1.0002	1.0003																	
2004	1.0004																		
2005																			
2006																			
2007																			
2008																			
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2016																			
2017																			
2018																			
2019																			
2020																			
2021																			
																			<u>TAIL</u>
VOL WTD 3	1.0003	1.0002	1.0003	1.0001	1.0002	1.0002	1.0002	1.0002	1.0002	1.0003	1.0002	1.0001	1.0003	1.0002	1.0001	1.0001			
VOL WTD 5	1.0003	1.0005	1.0002	1.0003	1.0002	1.0002	1.0002	1.0003	1.0002	1.0003	1.0002	1.0002	1.0002	1.0002	1.0002	1.0002			
VOL WTD ALL	1.0000	1.0002	1.0001	1.0002	1.0002	1.0001	1.0003	1.0001	1.0002	1.0001	1.0002	1.0002	1.0002	1.0002	1.0002	1.0001	1.0000	1.0000	
ARITH 3	1.0003	1.0002	1.0003	1.0001	1.0002	1.0002	1.0002	1.0002	1.0002	1.0003	1.0002	1.0001	1.0003	1.0002	1.0001	1.0001			
ARITH 5	1.0003	1.0005	1.0002	1.0003	1.0002	1.0002	1.0002	1.0003	1.0002	1.0003	1.0002	1.0002	1.0002	1.0002	1.0001				
ARITH ALL	1.0001	1.0002	1.0002	1.0002	1.0002	1.0001	1.0003	1.0001	1.0002	1.0001	1.0002	1.0002	1.0002	1.0001	1.0002	1.0001	1.0000	1.0000	
EXCL. HI - LO	1.0001	1.0002	1.0002	1.0002	1.0002	1.0001	1.0003	1.0000	1.0001	1.0002	1.0002	1.0001	1.0002	1.0001	1.0002	1.0001	1.0002	1.0001	
SELECTED	1.0003	1.0003	1.0003	1.0003	1.0002	1.0002	1.0002	1.0002	1.0002	1.0002	1.0002	1.0001	1.0001	1.0001	1.0001	1.0001	1.0001	1.0001	1.0015
CUM SEL'D	1.0049	1.0046	1.0043	1.0040	1.0037	1.0035	1.0032	1.0030	1.0028	1.0026	1.0025	1.0023	1.0022	1.0020	1.0019	1.0018	1.0017	1.0016	1.0015
L'T YR SEL'D	1.0002	1.0002	1.0002	1.0002	1.0002	1.0002	1.0002	1.0002	1.0002	1.0002	1.0002	1.0002	1.0001	1.0001	1.0001	1.0001	1.0001	1.0019	
EXP % REP'TD	99.5%	99.5%	99.6%	99.6%	99.6%	99.7%	99.7%	99.7%	99.7%	99.7%	99.7%	99.8%	99.8%	99.8%	0.9980	99.8%	99.8%	99.8%	99.8%

NOTES: BASED ON EXHIBIT WC COUNT-8.

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - TOTAL CLAIM COUNTS

CLOSED CLAIM COUNTS

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204
1987																	
1988									13,086	13,096	13,120	13,116	13,118	13,118	13,128	13,129	13,118
1989								12,870	12,875	12,889	12,905	12,920	12,920	12,928	12,936	12,928	12,936
1990							13,703	13,720	13,722	13,738	13,778	13,794	13,810	13,807	13,814	13,803	13,806
1991						13,256	13,279	13,285	13,303	13,317	13,349	13,360	13,360	13,370	13,364	13,363	13,364
1992					13,865	13,900	13,924	13,933	13,944	13,954	13,998	14,006	14,028	14,027	14,027	14,019	14,022
1993				14,220	14,270	14,299	14,316	14,321	14,326	14,336	14,361	14,392	14,393	14,386	14,386	14,389	14,387
1994			14,546	14,620	14,688	14,716	14,717	14,715	14,725	14,736	14,778	14,789	14,796	14,793	14,786	14,792	14,783
1995		12,742	12,977	13,046	13,083	13,089	13,098	13,103	13,101	13,108	13,136	13,142	13,145	13,146	13,150	13,143	13,146
1996	9,126	11,941	12,184	12,224	12,244	12,267	12,273	12,274	12,278	12,276	12,295	12,303	12,304	12,305	12,308	12,308	12,313
1997	8,862	11,408	11,544	11,603	11,625	11,637	11,645	11,649	11,651	11,660	11,683	11,691	11,696	11,694	11,698	11,700	11,702
1998	8,308	10,989	11,175	11,268	11,325	11,336	11,345	11,356	11,362	11,373	11,395	11,404	11,411	11,411	11,412	11,415	11,417
1999	8,207	10,009	10,295	10,381	10,418	10,449	10,456	10,465	10,469	10,477	10,489	10,500	10,505	10,506	10,506	10,505	10,506
2000	9,410	10,938	11,157	11,227	11,266	11,274	11,285	11,294	11,296	11,300	11,318	11,323	11,328	11,336	11,331	11,336	11,340
2001	9,688	11,182	11,324	11,399	11,426	11,447	11,457	11,458	11,468	11,473	11,500	11,505	11,514	11,517	11,518	11,521	11,527
2002	8,245	10,670	10,856	10,925	10,943	10,959	10,960	10,968	10,979	10,993	11,005	11,018	11,025	11,023	11,017	11,021	11,027
2003	7,048	9,876	10,044	10,097	10,116	10,126	10,135	10,131	10,136	10,147	10,160	10,175	10,179	10,179	10,182	10,194	10,199
2004	8,372	10,215	10,372	10,420	10,452	10,464	10,463	10,472	10,480	10,482	10,503	10,503	10,509	10,516	10,518	10,523	10,528
2005	7,649	9,383	9,586	9,629	9,657	9,671	9,680	9,681	9,692	9,699	9,707	9,724	9,740	9,744	9,757	9,759	9,766
2006	8,103	10,059	10,214	10,255	10,284	10,293	10,300	10,311	10,310	10,318	10,333	10,337	10,349	10,354	10,362	10,369	10,377
2007	7,593	9,612	9,761	9,806	9,834	9,860	9,859	9,863	9,864	9,877	9,890	9,905	9,906	9,911	9,916	9,918	
2008	7,786	9,423	9,577	9,627	9,661	9,670	9,680	9,680	9,678	9,687	9,705	9,718	9,717	9,721	9,723		
2009	7,896	9,431	9,570	9,614	9,638	9,664	9,664	9,666	9,673	9,680	9,694	9,699	9,705	9,713			
2010	7,971	9,430	9,577	9,625	9,649	9,652	9,652	9,671	9,680	9,694	9,713	9,719	9,728				
2011	7,377	9,122	9,249	9,297	9,320	9,330	9,342	9,357	9,363	9,378	9,392	9,396					
2012	7,802	9,249	9,344	9,380	9,389	9,418	9,435	9,437	9,459	9,464	9,483						
2013	7,217	8,828	8,963	8,998	9,026	9,047	9,055	9,065	9,072	9,084							
2014	7,258	8,685	8,796	8,853	8,876	8,894	8,906	8,917	8,923								
2015	6,587	8,472	8,591	8,625	8,648	8,668	8,683	8,688									
2016	6,525	7,976	8,067	8,117	8,156	8,175	8,183										
2017	5,772	7,014	7,097	7,141	7,172	7,190											
2018	5,932	7,258	7,351	7,395	7,421												
2019	5,540	6,643	6,739	6,779													
2020	5,700	6,498	6,583														
2021	4,013	4,822															
2022	4,473																

NOTES: DATA BASED ON INFORMATION PROVIDED BY DHRM.

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - TOTAL CLAIM COUNTS

CLOSED CLAIM COUNTS

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																		
	216	228	240	252	264	276	288	300	312	324	336	348	360	372	384	396	408	420	432
1987	12,495	12,493	12,491	12,486	12,489	12,494	12,496	12,502	12,502	12,502	12,503	12,505	12,505	12,508	12,509	12,513	12,514	12,513	12,513
1988	13,125	13,117	13,118	13,122	13,129	13,127	13,130	13,136	13,135	13,135	13,131	13,135	13,137	13,138	13,138	13,140	13,141	13,141	13,141
1989	12,934	12,926	12,926	12,931	12,933	12,937	12,937	12,940	12,940	12,941	12,939	12,941	12,944	12,942	12,941	12,943	12,944	12,944	12,944
1990	13,805	13,805	13,799	13,802	13,801	13,804	13,807	13,808	13,808	13,807	13,811	13,815	13,821	13,828	13,829	13,829	13,829	13,829	13,829
1991	13,363	13,359	13,357	13,362	13,365	13,363	13,361	13,366	13,361	13,367	13,368	13,370	13,372	13,372	13,381	13,381	13,381	13,381	13,381
1992	14,022	14,023	14,026	14,029	14,028	14,025	14,026	14,031	14,027	14,034	14,039	14,041	14,042	14,042	14,047	14,047	14,047	14,047	14,047
1993	14,389	14,391	14,395	14,394	14,393	14,394	14,397	14,401	14,404	14,405	14,407	14,408	14,410	14,410	14,410	14,410	14,410	14,410	14,410
1994	14,786	14,792	14,794	14,796	14,795	14,800	14,798	14,800	14,808	14,812	14,816	14,821	14,821	14,821	14,821	14,821	14,821	14,821	14,821
1995	13,148	13,147	13,151	13,154	13,153	13,158	13,158	13,161	13,161	13,164	13,171	13,171	13,171	13,171	13,171	13,171	13,171	13,171	13,171
1996	12,314	12,313	12,318	12,316	12,321	12,326	12,330	12,331	12,334	12,334	12,334	12,334	12,334	12,334	12,334	12,334	12,334	12,334	12,334
1997	11,701	11,707	11,712	11,712	11,720	11,723	11,722	11,727	11,731	11,731	11,731	11,731	11,731	11,731	11,731	11,731	11,731	11,731	11,731
1998	11,419	11,419	11,422	11,420	11,425	11,430	11,437	11,439	11,439	11,439	11,439	11,439	11,439	11,439	11,439	11,439	11,439	11,439	11,439
1999	10,508	10,510	10,520	10,526	10,524	10,526	10,528	10,528	10,528	10,528	10,528	10,528	10,528	10,528	10,528	10,528	10,528	10,528	10,528
2000	11,336	11,338	11,348	11,352	11,357	11,356	11,356	11,356	11,356	11,356	11,356	11,356	11,356	11,356	11,356	11,356	11,356	11,356	11,356
2001	11,531	11,539	11,540	11,543	11,545	11,545	11,545	11,545	11,545	11,545	11,545	11,545	11,545	11,545	11,545	11,545	11,545	11,545	11,545
2002	11,028	11,030	11,034	11,036	11,036	11,036	11,036	11,036	11,036	11,036	11,036	11,036	11,036	11,036	11,036	11,036	11,036	11,036	11,036
2003	10,206	10,208	10,211	10,211	10,211	10,211	10,211	10,211	10,211	10,211	10,211	10,211	10,211	10,211	10,211	10,211	10,211	10,211	10,211
2004	10,532	10,536	10,536	10,536	10,536	10,536	10,536	10,536	10,536	10,536	10,536	10,536	10,536	10,536	10,536	10,536	10,536	10,536	10,536
2005	9,766	9,766	9,766	9,766	9,766	9,766	9,766	9,766	9,766	9,766	9,766	9,766	9,766	9,766	9,766	9,766	9,766	9,766	9,766
2006																			
2007																			
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2014																			
2015																			
2016																			
2017																			
2018																			
2019																			
2020																			
2021																			
2022																			

NOTES: DATA BASED ON INFORMATION PROVIDED BY DHRM.

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - TOTAL CLAIM COUNTS

Accident Period Ending 6/30	INCREMENTAL CLOSING RATES																
	AGE OF DEVELOPMENT IN MONTHS																
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204
1987																	
1988										0.369	0.000	(0.150)	0.391	(0.600)	0.438	0.444	
1989									0.149	0.429	(0.111)	0.049	0.000	0.263	0.036	(0.407)	
1990									0.161	0.235	0.288	0.000	0.211	0.267	(0.348)	0.258	
1991									0.057	0.128	0.367	0.232	0.296	(0.077)	0.171	(0.324)	
1992									0.116	0.016	0.127	0.333	0.172	0.000	0.189	(0.140)	
1993									0.147	0.045	0.142	0.127	0.333	0.172	0.000	0.189	(0.140)
1994									0.177	0.143	0.063	0.081	0.081	0.379	0.113	0.349	(0.024)
1995									0.177	0.143	0.063	0.081	0.081	0.379	0.113	0.349	(0.024)
1996									0.177	0.143	0.063	0.081	0.081	0.379	0.113	0.349	(0.024)
1997									0.177	0.143	0.063	0.081	0.081	0.379	0.113	0.349	(0.024)
1998									0.177	0.143	0.063	0.081	0.081	0.379	0.113	0.349	(0.024)
1999									0.177	0.143	0.063	0.081	0.081	0.379	0.113	0.349	(0.024)
2000									0.177	0.143	0.063	0.081	0.081	0.379	0.113	0.349	(0.024)
2001									0.177	0.143	0.063	0.081	0.081	0.379	0.113	0.349	(0.024)
2002									0.177	0.143	0.063	0.081	0.081	0.379	0.113	0.349	(0.024)
2003									0.177	0.143	0.063	0.081	0.081	0.379	0.113	0.349	(0.024)
2004									0.177	0.143	0.063	0.081	0.081	0.379	0.113	0.349	(0.024)
2005									0.177	0.143	0.063	0.081	0.081	0.379	0.113	0.349	(0.024)
2006									0.177	0.143	0.063	0.081	0.081	0.379	0.113	0.349	(0.024)
2007									0.177	0.143	0.063	0.081	0.081	0.379	0.113	0.349	(0.024)
2008									0.177	0.143	0.063	0.081	0.081	0.379	0.113	0.349	(0.024)
2009									0.177	0.143	0.063	0.081	0.081	0.379	0.113	0.349	(0.024)
2010									0.177	0.143	0.063	0.081	0.081	0.379	0.113	0.349	(0.024)
2011									0.177	0.143	0.063	0.081	0.081	0.379	0.113	0.349	(0.024)
2012									0.177	0.143	0.063	0.081	0.081	0.379	0.113	0.349	(0.024)
2013									0.177	0.143	0.063	0.081	0.081	0.379	0.113	0.349	(0.024)
2014									0.177	0.143	0.063	0.081	0.081	0.379	0.113	0.349	(0.024)
2015									0.177	0.143	0.063	0.081	0.081	0.379	0.113	0.349	(0.024)
2016									0.177	0.143	0.063	0.081	0.081	0.379	0.113	0.349	(0.024)
2017									0.177	0.143	0.063	0.081	0.081	0.379	0.113	0.349	(0.024)
2018									0.177	0.143	0.063	0.081	0.081	0.379	0.113	0.349	(0.024)
2019									0.177	0.143	0.063	0.081	0.081	0.379	0.113	0.349	(0.024)
2020									0.177	0.143	0.063	0.081	0.081	0.379	0.113	0.349	(0.024)
2021									0.177	0.143	0.063	0.081	0.081	0.379	0.113	0.349	(0.024)
2022									0.177	0.143	0.063	0.081	0.081	0.379	0.113	0.349	(0.024)

NOTES: DATA BASED ON INFORMATION PROVIDED BY DHRM.

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - TOTAL CLAIM COUNTS

INCREMENTAL CLOSING RATES

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																		
	216	228	240	252	264	276	288	300	312	324	336	348	360	372	384	396	408	420	432
1987	(0.933)	(0.067)	(0.063)	(0.156)	0.081	0.147	0.069	0.222	0.000	0.000	0.048	0.100	0.000	0.158	0.063	0.267	0.091	(0.100)	0.000
1988	0.189	(0.267)	0.026	0.105	0.206	(0.074)	0.103	0.240	(0.053)	0.000	(0.200)	0.167	0.100	0.056	0.000	0.118	0.067	0.000	0.000
1989	(0.091)	(0.400)	0.000	0.179	0.087	0.190	0.000	0.167	0.000	0.067	(0.143)	0.125	0.214	(0.182)	(0.077)	0.143	0.083		
1990	(0.023)	0.000	(0.136)	0.060	(0.021)	0.063	0.067	0.024	0.000	(0.024)	0.095	0.105	0.176	0.250	0.048	0.000			
1991	(0.020)	(0.080)	(0.037)	0.089	0.059	(0.042)	(0.040)	0.096	(0.106)	0.115	0.022	0.044	0.047	0.000	0.220				
1992	0.000	0.021	0.064	0.068	(0.024)	(0.071)	0.022	0.114	(0.103)	0.163	0.139	0.065	0.034	0.179					
1993	0.037	0.038	0.080	(0.022)	(0.021)	0.021	0.064	0.091	0.075	0.027	0.056	0.029	0.061						
1994	0.042	0.088	0.032	0.033	(0.017)	0.085	(0.037)	0.036	0.148	0.087	0.095	0.132							
1995	0.036	(0.019)	0.073	0.059	(0.021)	0.100	0.000	0.068	0.000	0.073	0.184								
1996	0.016	(0.016)	0.077	(0.033)	0.081	0.088	0.077	0.021	0.064	0.000									
1997	(0.016)	0.092	0.085	0.000	0.148	0.065	(0.023)	0.114	0.103										
1998	0.034	0.000	0.054	(0.038)	0.091	0.100	0.156	0.053											
1999	0.031	0.032	0.164	0.118	(0.044)	0.043	0.044												
2000	(0.070)	0.033	0.169	0.082	0.111	(0.025)													
2001	0.061	0.129	0.019	0.057	0.040														
2002	0.018	0.036	0.075	0.041															
2003	0.121	0.039	0.061																
2004	0.070	0.075																	
2005	0.000																		
2006																			
2007																			
2008																			
2009																			
2010																			
2011																			
2012																			
2013																			
2014																			
2015																			
2016																			
2017																			
2018																			
2019																			
2020																			
2021																			
2022																			

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**COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - TOTAL CLAIM COUNTS**

ANALYSIS OF CLAIM CLOSING RATES

CALENDAR YEAR CLOSING RATE - ALL MONTHS

CALENDAR YEAR	(1)	(2)	(3)	(4)
	INCREMENTAL CLOSED CLAIMS	OPEN CLAIMS AT BEGINNING OF CALENDAR YEAR	INCREMENTAL REPORTED CLAIMS	(1) / [(2) + (3)] INCREMENTAL CLOSING RATE
7/1/01 - 6/30/02	10,254	3,234	11,120	0.714
7/1/02 - 6/30/03	9,802	4,100	10,293	0.681
7/1/03 - 6/30/04	11,634	4,591	10,688	0.761
7/1/04 - 6/30/05	9,817	3,645	9,774	0.732
7/1/05 - 6/30/06	10,136	3,602	10,436	0.722
7/1/06 - 6/30/07	9,880	3,902	9,833	0.719
7/1/07 - 6/30/08	10,094	3,855	10,029	0.727
7/1/08 - 6/30/09	9,836	3,790	9,792	0.724
7/1/09 - 6/30/10	9,786	3,746	9,828	0.721
7/1/10 - 6/30/11	9,168	3,788	9,411	0.695
7/1/11 - 6/30/12	9,883	4,031	9,551	0.728
7/1/12 - 6/30/13	8,946	3,699	9,110	0.698
7/1/13 - 6/30/14	9,124	3,863	9,016	0.708
7/1/14 - 6/30/15	8,258	3,755	8,754	0.660
7/1/15 - 6/30/16	8,640	4,251	8,274	0.690
7/1/16 - 6/30/17	7,582	3,885	7,292	0.678
7/1/17 - 6/30/18	7,509	3,595	7,486	0.678
7/1/18 - 6/30/19	7,190	3,572	6,816	0.692
7/1/19 - 6/30/20	7,137	3,198	6,817	0.713
7/1/20 - 6/30/21	5,135	2,878	4,958	0.655
7/1/21 - 6/30/22	5,581	2,701	5,456	0.684

CALENDAR YEAR CLOSING RATE EXCLUDING 12 MONTH OLD DATA

CALENDAR YEAR	(1)	(2)	(3)	(4)
	INCREMENTAL CLOSED CLAIMS	OPEN CLAIMS AT BEGINNING OF CALENDAR YEAR	INCREMENTAL REPORTED CLAIMS	(1) / [(2) + (3)] INCREMENTAL CLOSING RATE
7/1/01 - 6/30/02	2,009	3,234	558	0.530
7/1/02 - 6/30/03	2,754	4,100	507	0.598
7/1/03 - 6/30/04	3,262	4,591	481	0.643
7/1/04 - 6/30/05	2,168	3,645	374	0.539
7/1/05 - 6/30/06	2,033	3,602	401	0.508
7/1/06 - 6/30/07	2,287	3,902	384	0.534
7/1/07 - 6/30/08	2,308	3,855	534	0.526
7/1/08 - 6/30/09	1,940	3,790	271	0.478
7/1/09 - 6/30/10	1,815	3,746	223	0.457
7/1/10 - 6/30/11	1,791	3,788	191	0.450
7/1/11 - 6/30/12	2,081	4,031	217	0.490
7/1/12 - 6/30/13	1,729	3,699	202	0.443
7/1/13 - 6/30/14	1,866	3,863	240	0.455
7/1/14 - 6/30/15	1,671	3,755	213	0.421
7/1/15 - 6/30/16	2,115	4,251	218	0.473
7/1/16 - 6/30/17	1,810	3,885	204	0.443
7/1/17 - 6/30/18	1,577	3,595	176	0.418
7/1/18 - 6/30/19	1,650	3,572	172	0.441
7/1/19 - 6/30/20	1,437	3,198	231	0.419
7/1/20 - 6/30/21	1,122	2,878	110	0.376
7/1/21 - 6/30/22	1,108	2,701	155	0.388

CALENDAR YEAR CLOSING RATE EXCLUDING 12 AND 24 MONTH OLD DATA

CALENDAR YEAR	(1)	(2)	(3)	(4)
	INCREMENTAL CLOSED CLAIMS	OPEN CLAIMS AT BEGINNING OF CALENDAR YEAR	INCREMENTAL REPORTED CLAIMS	(1) / [(2) + (3)] INCREMENTAL CLOSING RATE
7/1/01 - 6/30/02	515	1,872	31	0.271
7/1/02 - 6/30/03	329	1,783	11	0.183
7/1/03 - 6/30/04	434	1,853	28	0.231
7/1/04 - 6/30/05	325	1,810	14	0.178
7/1/05 - 6/30/06	299	1,851	13	0.160
7/1/06 - 6/30/07	331	1,970	4	0.168
7/1/07 - 6/30/08	289	1,999	18	0.143
7/1/08 - 6/30/09	303	2,081	7	0.145
7/1/09 - 6/30/10	280	2,121	10	0.131
7/1/10 - 6/30/11	332	2,154	23	0.153
7/1/11 - 6/30/12	336	2,188	8	0.153
7/1/12 - 6/30/13	282	2,167	9	0.130
7/1/13 - 6/30/14	255	2,172	10	0.117
7/1/14 - 6/30/15	244	2,237	11	0.109
7/1/15 - 6/30/16	230	2,297	15	0.099
7/1/16 - 6/30/17	359	2,354	24	0.151
7/1/17 - 6/30/18	335	2,279	14	0.146
7/1/18 - 6/30/19	324	2,194	11	0.147
7/1/19 - 6/30/20	334	2,094	29	0.157
7/1/20 - 6/30/21	324	1,992	11	0.162
7/1/21 - 6/30/22	299	1,866	10	0.159

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - LOST TIME CLAIM COUNTS

ESTIMATED ULTIMATE CLAIM COUNTS

ACCIDENT YEAR ENDING 6/30	(1)	(2)	(3)	(4)	(5)	(6)
	REPORTED CLAIMS	DEV'T METHOD	BORN-FERG METHOD	ESTIMATED ULTIMATE CLAIMS	CLOSED CLAIM COUNTS	IMPLIED OPEN & IBNR COUNTS
1987	1,868	1,868	1,868	1,868	1,857	11
1988	2,086	2,086	2,086	2,086	2,072	14
1989	1,937	1,937	1,937	1,937	1,927	10
1990	2,109	2,109	2,109	2,109	2,090	19
1991	2,069	2,069	2,069	2,069	2,040	29
1992	2,210	2,210	2,210	2,210	2,189	21
1993	2,125	2,125	2,125	2,125	2,094	31
1994	2,288	2,288	2,288	2,288	2,257	31
1995	2,070	2,070	2,070	2,070	2,040	30
1996	1,675	1,675	1,675	1,675	1,634	41
1997	1,551	1,551	1,551	1,551	1,519	32
1998	1,598	1,598	1,598	1,598	1,564	34
1999	1,452	1,452	1,452	1,452	1,410	42
2000	1,326	1,326	1,326	1,326	1,288	38
2001	1,250	1,250	1,250	1,250	1,206	44
2002	1,135	1,135	1,135	1,135	1,090	45
2003	1,248	1,248	1,248	1,248	1,206	42
2004	1,286	1,286	1,286	1,286	1,242	44
2005	1,204	1,204	1,204	1,204	1,166	38
2006	1,224	1,224	1,224	1,224	1,172	52
2007	1,171	1,171	1,171	1,171	1,126	45
2008	1,083	1,083	1,083	1,083	1,033	50
2009	1,093	1,093	1,093	1,093	1,056	37
2010	1,125	1,125	1,125	1,125	1,080	45
2011	1,100	1,100	1,100	1,100	1,060	40
2012	933	933	933	933	881	52
2013	938	938	938	938	883	55
2014	940	940	940	940	882	58
2015	972	972	972	972	909	63
2016	914	914	914	914	860	54
2017	805	805	805	805	746	59
2018	837	837	837	837	776	61
2019	755	756	756	756	692	64
2020	707	709	709	709	621	88
2021	625	635	636	636	504	132
2022	<u>606</u>	<u>686</u>	<u>686</u>	<u>686</u>	<u>304</u>	<u>382</u>
TOTAL	48,315	48,408	48,409	48,409	46,476	1,933

NOTES BY COLUMN:

- (1) FROM EXH. WC LT COUNT-5
(2) FROM EXH. WC LT COUNT-3, COL. (4)
(3) FROM EXH. WC LT COUNT-2, COL. (9)
(4) BASED ON COLUMNS (1) THROUGH (3) AND JUDGMENT
(5) FROM EXH. WC LT COUNT-8
(6) COL. (4) - COL. (5)

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - LOST TIME CLAIM COUNTS

ESTIMATED ULTIMATE CLAIM COUNTS - BORNHUETTER-FERGUSON METHOD

ACCIDENT YEAR ENDING 6/30	(1) PRELIMINARY ULTIMATE CLAIMS	(2) EXPOSURE	(3) INDICATED FREQUENCY	(4) TRENDED* FREQUENCY AT 1/22	(5) SELECTED FREQUENCY	(6) EXPECTED REPORTED CLAIMS	(7) PERCENTAGE UNREPORTED CLAIMS	(8) EXPECTED UNREPORTED CLAIMS	(9) ESTIMATED ULTIMATE CLAIMS
1987	1,868	2,014	0.9275	0.0882	1.1045	2,225	0.00%	0	1,868
1988	2,086	2,141	0.9742	0.0991	1.0327	2,211	0.00%	0	2,086
1989	1,937	2,334	0.8298	0.0903	0.9656	2,254	0.00%	0	1,937
1990	2,109	2,560	0.8239	0.0959	0.9028	2,311	0.00%	0	2,109
1991	2,069	2,971	0.6964	0.0867	0.8441	2,508	0.00%	0	2,069
1992	2,210	2,921	0.7566	0.1007	0.7893	2,305	0.00%	0	2,210
1993	2,125	3,051	0.6965	0.0992	0.7380	2,252	0.00%	0	2,125
1994	2,288	3,249	0.7041	0.1072	0.6900	2,242	0.00%	0	2,288
1995	2,070	3,437	0.6024	0.0981	0.5383	1,850	0.00%	0	2,070
1996	1,675	3,394	0.4935	0.0860	0.5033	1,708	0.00%	0	1,675
1997	1,551	3,374	0.4597	0.0857	0.4706	1,588	0.00%	0	1,551
1998	1,598	3,771	0.4238	0.0845	0.4400	1,659	0.00%	0	1,598
1999	1,452	4,053	0.3583	0.0764	0.3871	1,569	0.00%	0	1,452
2000	1,326	4,342	0.3054	0.0696	0.3619	1,571	0.00%	0	1,326
2001	1,250	4,624	0.2704	0.0659	0.3384	1,565	0.00%	0	1,250
2002	1,135	4,614	0.2460	0.0641	0.3164	1,460	0.00%	0	1,135
2003	1,248	4,472	0.2791	0.0778	0.2958	1,323	0.00%	0	1,248
2004	1,286	4,460	0.2884	0.0860	0.2766	1,234	0.00%	0	1,286
2005	1,204	4,897	0.2459	0.0784	0.2586	1,266	0.00%	0	1,204
2006	1,224	5,262	0.2326	0.0794	0.2418	1,272	0.00%	0	1,224
2007	1,171	5,521	0.2121	0.0774	0.2261	1,248	0.00%	0	1,171
2008	1,083	5,855	0.1850	0.0722	0.2114	1,238	0.00%	0	1,083
2009	1,093	5,986	0.1826	0.0762	0.1977	1,183	0.00%	0	1,093
2010	1,125	5,960	0.1888	0.0843	0.1848	1,101	0.00%	0	1,125
2011	1,100	5,962	0.1845	0.0881	0.1728	1,030	0.00%	0	1,100
2012	933	6,243	0.1494	0.0763	0.1616	1,009	0.00%	0	933
2013	938	6,371	0.1472	0.0804	0.1511	962	0.00%	0	938
2014	940	6,610	0.1422	0.0831	0.1412	934	0.00%	0	940
2015	972	6,713	0.1448	0.0905	0.1321	887	0.00%	0	972
2016	914	6,960	0.1313	0.0877	0.1235	859	0.01%	0	914
2017	805	7,076	0.1138	0.0813	0.1155	817	0.03%	0	805
2018	837	7,392	0.1132	0.0865	0.1079	798	0.05%	0	837
2019	756	7,559	0.1000	0.0818	0.1009	763	0.12%	1	756
2020	709	7,865	0.0901	0.0788	0.0944	742	0.29%	2	709
2021	635	7,877	0.0806	0.0754	0.0882	695	1.64%	11	636
2022	686	8,327	0.0824	0.0824	0.0825	687	11.62%	80	686
TOTAL	48,408	180,216				51,326		95	48,409
AVERAGE SELECTED				0.0839	0.0825				

* Trend Factor= 0.9350

NOTES BY COLUMN:

- (1) FROM EXH. WC LT COUNT-3, COL. (4)
- (2) FROM COMMONWEALTH OF VIRGINIA. EXPOSURES = PAYROLL IN MILLIONS OF DOLLARS
- (3) COL. (1) / COL. (2)
- (4) COL.(3) x TRENDA*(2022-AY)
- (5) SELECTED TRENDED FREQUENCY DETRENDED TO APPROPRIATE ACCIDENT YEAR LEVEL
- (6) COL. (2) x COL. (5)
- (7) 1-(1/(CUM. SELECTED FACTOR (EXH. WC LT COUNT-3, COL. (3))))
- (8) COL. (6) x COL. (7)
- (9) COL. (8) + EXH. WC LT COUNT-3, COL. (1)

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - LOST TIME CLAIM COUNTS

ESTIMATED ULTIMATE LOST TIME CLAIM COUNTS
DEVELOPMENT METHOD

ACCIDENT YEAR ENDING 6/30	(1)	(2)	(3)	(4)
	REPORTED LOST TIME CLAIMS	REPORTED LOST TIME CLAIM DEV'T FACTORS	SELECTED LOST TIME CLAIM DEV'T FACTORS	ESTIMATED ULTIMATE CLAIMS
1987	1,868	1.0000	1.0000	1,868
1988	2,086	1.0000	1.0000	2,086
1989	1,937	1.0000	1.0000	1,937
1990	2,109	1.0000	1.0000	2,109
1991	2,069	1.0000	1.0000	2,069
1992	2,210	1.0000	1.0000	2,210
1993	2,125	1.0000	1.0000	2,125
1994	2,288	1.0000	1.0000	2,288
1995	2,070	1.0000	1.0000	2,070
1996	1,675	1.0000	1.0000	1,675
1997	1,551	1.0000	1.0000	1,551
1998	1,598	1.0000	1.0000	1,598
1999	1,452	1.0000	1.0000	1,452
2000	1,326	1.0000	1.0000	1,326
2001	1,250	1.0000	1.0000	1,250
2002	1,135	1.0000	1.0000	1,135
2003	1,248	1.0000	1.0000	1,248
2004	1,286	1.0000	1.0000	1,286
2005	1,204	1.0000	1.0000	1,204
2006	1,224	1.0000	1.0000	1,224
2007	1,171	1.0000	1.0000	1,171
2008	1,083	1.0000	1.0000	1,083
2009	1,093	1.0000	1.0000	1,093
2010	1,125	1.0000	1.0000	1,125
2011	1,100	1.0000	1.0000	1,100
2012	933	1.0000	1.0000	933
2013	938	1.0000	1.0000	938
2014	940	1.0000	1.0000	940
2015	972	1.0000	1.0000	972
2016	914	1.0001	1.0001	914
2017	805	1.0003	1.0003	805
2018	837	1.0006	1.0006	837
2019	755	1.0012	1.0012	756
2020	707	1.0029	1.0029	709
2021	625	1.0167	1.0167	635
2022	<u>606</u>	1.1315	1.1315	<u>686</u>
TOTAL	48,315			48,408

NOTES BY COLUMN:

(1) FROM EXH. WC LT COUNT-5

(2) FROM EXH. WC LT COUNT-4

(3) BASED ON COLUMN (2) AND JUDGMENT

(4) COL. (1) x COL. (3)

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - LOST TIME CLAIM COUNTS

AGE - TO - AGE REPORTED LOST TIME CLAIM COUNT DEVELOPMENT FACTORS

Accident Period Ending 6/30	MONTHS FROM / TO																	
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204	216
1987	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204	216	
1988																		1.0000
1989													0.9995	1.0000	1.0000	1.0000	1.0000	0.9995
1990											0.9948	1.0057	1.0000	1.0000	1.0000	1.0005	1.0000	0.9995
1991										0.9951	1.0049	1.0005	1.0000	1.0000	1.0005	1.0000	1.0000	1.0000
1992									0.9896	1.0105	1.0000	1.0000	1.0000	1.0000	1.0000	1.0005	1.0000	1.0000
1993									0.9896	1.0110	1.0005	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
1994								0.9882	1.0128	0.9996	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
1995							0.9918	1.0083	1.0010	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
1996						0.9880	1.0121	1.0012	1.0000	1.0000	1.0000	1.0006	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
1997				0.9871	1.0124	1.0013	1.0000	0.9994	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0026
1998			1.0000	1.0069	1.0013	1.0013	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0006	1.0000
1999		1.0270	1.0041	0.9993	1.0000	1.0000	1.0000	1.0007	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
2000	1.5907	1.0100	1.0069	1.0023	1.0008	1.0000	1.0000	1.0000	1.0000	1.0008	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0008	1.0000
2001	1.1537	1.0366	1.0040	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
2002	1.1556	1.0171	1.0018	1.0009	1.0000	1.0000	1.0000	1.0000	1.0000	0.9991	0.9991	1.0000	1.0000	1.0009	1.0000	1.0000	1.0000	1.0000
2003	1.1203	1.0073	1.0016	1.0000	0.9984	1.0008	1.0000	1.0000	1.0000	1.0000	1.0000	0.9992	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
2004	1.1183	1.0110	1.0031	1.0000	1.0008	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
2005	1.1070	1.0126	1.0000	1.0000	1.0000	0.9992	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
2006	1.1190	1.0141	1.0008	1.0025	0.9992	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9992	0.9992	1.0016	1.0000	1.0000	1.0000	1.0000
2007	1.0923	1.0086	0.9991	1.0009	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0009	1.0000	1.0000	1.0000	1.0000
2008	1.1253	1.0084	1.0056	0.9991	1.0000	1.0009	0.9991	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
2009	1.1340	1.0102	1.0000	0.9991	1.0009	0.9991	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0009	0.9991	1.0000	1.0000	1.0000	1.0000
2010	1.0921	1.0099	0.9991	1.0009	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9991	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
2011	1.1018	1.0148	1.0000	0.9973	1.0027	1.0000	1.0009	1.0000	1.0000	1.0000	1.0009	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
2012	1.1001	1.0119	0.9989	1.0011	1.0000	0.9989	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
2013	1.1103	1.0119	1.0021	1.0000	1.0000	0.9989	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
2014	1.1133	1.0130	1.0011	1.0011	1.0000	1.0011	1.0011	1.0011	1.0011	1.0011	1.0011	1.0011	1.0011	1.0011	1.0011	1.0011	1.0011	1.0011
2015	1.0713	1.0104	1.0000	1.0010	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
2016	1.1291	1.0144	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
2017	1.0814	1.0088	1.0012	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
2018	1.1009	1.0171	1.0048	1.0012	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
2019	1.1181	1.0080	1.0013	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
2020	1.0841	1.0158	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
2021	1.1181	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
VOL WTD 3	1.1064	1.0137	1.0025	1.0004	1.0000	1.0004	1.0004	1.0000	1.0000	1.0000	1.0003	1.0000	0.9997	1.0009	1.0000	1.0000	1.0000	1.0000
VOL WTD 5	1.0997	1.0129	1.0014	1.0007	1.0000	0.9998	1.0004	1.0000	1.0000	1.0000	1.0002	0.9998	0.9997	1.0005	1.0000	1.0000	1.0000	1.0000
VOL WTD ALL	1.1324	1.0139	1.0017	0.9999	1.0002	1.0002	0.9998	1.0003	1.0000	1.0004	1.0000	1.0003	0.9999	1.0003	1.0001	1.0001	1.0001	1.0001
ARITH 3	1.1068	1.0136	1.0025	1.0004	1.0000	1.0004	1.0004	1.0000	1.0000	1.0000	1.0003	1.0000	0.9997	1.0008	1.0000	1.0000	1.0000	1.0000
ARITH 5	1.1005	1.0128	1.0015	1.0007	1.0000	0.9998	1.0004	1.0000	1.0000	1.0000	1.0002	0.9998	0.9997	1.0005	1.0000	1.0000	1.0000	1.0000
ARITH ALL	1.1335	1.0136	1.0016	1.0000	1.0002	1.0002	1.0000	1.0001	1.0000	1.0002	1.0000	1.0002	0.9999	1.0003	1.0000	1.0001	1.0001	1.0001
EXCL. HI - LO	1.1137	1.0128	1.0015	1.0003	1.0002	1.0001	1.0001	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0002	1.0000	1.0001	1.0001	1.0000
SELECTED	1.1129	1.0137	1.0017	1.0007	1.0003	1.0002	1.0001	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
CUM SEL'D	1.1315	1.0167	1.0029	1.0012	1.0006	1.0003	1.0001	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
L'T YR SEL'D	1.1092	1.0129	1.0017	1.0005	1.0003	1.0002	1.0001	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
EXP % REP'TD	88.4%	98.4%	99.7%	99.9%	99.9%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

NOTES: BASED ON EXHIBIT WC LT COUNT-5.

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - LOST TIME CLAIM COUNTS

AGE - TO - AGE REPORTED LOST TIME CLAIM COUNT DEVELOPMENT FACTORS

Accident Period Ending 6/30	MONTHS FROM / TO																		
	216	228	240	252	264	276	288	300	312	324	336	348	360	372	384	396	408	420	432
1987	1.0005	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0016	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
1988	1.0000	0.9990	1.0000	1.0000	1.0000	1.0000	1.0000	0.9995	1.0000	1.0005	0.9995	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
1989	0.9990	1.0000	1.0000	1.0000	1.0000	1.0000	1.0005	1.0000	1.0005	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
1990	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0029	0.9995	1.0000	1.0000	0.9995	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
1991	1.0000	1.0000	1.0000	1.0000	1.0000	1.0034	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9995	1.0000				
1992	1.0000	1.0000	1.0000	1.0000	1.0023	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000				
1993	1.0000	1.0000	1.0000	1.0019	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000					
1994	1.0000	1.0000	1.0009	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000						
1995	1.0000	1.0010	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000								
1996	1.0030	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000									
1997	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000											
1998	1.0000	1.0000	0.9994	1.0000	1.0000	1.0000	1.0000	1.0000											
1999	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000													
2000	1.0000	1.0000	1.0000	1.0000	1.0000														
2001	1.0000	1.0000	1.0000	1.0000															
2002	1.0000	1.0000	1.0000																
2003	1.0000	1.0000																	
2004	1.0000																		
2005																			
2006																			
2007																			
2008																			
2009																			
2010																			
2011																			
2012																			
2013																			
2014																			
2015																			
2016																			
2017																			
2018																			
2019																			
2020																			
2021																			
VOL WTD 3	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9998	1.0000	1.0000	1.0000			<u>TAIL</u>
VOL WTD 5	1.0000	1.0000	0.9999	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9999	1.0000	0.9999	1.0000					
VOL WTD ALL	1.0001	1.0000	1.0000	1.0001	1.0002	1.0003	1.0002	1.0000	1.0000	1.0001	0.9999	1.0000	0.9999	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
ARITH 3	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9998	1.0000	1.0000	1.0000			
ARITH 5	1.0000	1.0000	0.9999	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9999	1.0000	0.9999	1.0000						
ARITH ALL	1.0001	1.0000	1.0000	1.0001	1.0002	1.0003	1.0002	1.0000	1.0000	1.0001	0.9999	1.0000	0.9999	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
EXCL. HI - LO	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000			
SELECTED	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
CUM SEL'D	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
L'T YR SEL'D	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
EXP % REP'TD	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

NOTES: BASED ON EXHIBIT WC LT COUNT-5.

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - LOST TIME CLAIM COUNTS

REPORTED LOST TIME CLAIM COUNTS

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																	
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204	216
1987														1,862	1,864	1,864	1,864	1,864
1988													2,087	2,087	2,090	2,090	2,090	2,089
1989												1,938	1,937	1,937	1,938	1,938	1,938	1,937
1990											2,103	2,092	2,104	2,104	2,104	2,104	2,105	2,105
1991										2,061	2,061	2,062	2,062	2,062	2,063	2,063	2,063	2,063
1992									2,204	2,181	2,204	2,204	2,204	2,204	2,204	2,204	2,205	2,205
1993								2,119	2,097	2,120	2,121	2,121	2,121	2,121	2,121	2,121	2,121	2,121
1994							2,285	2,258	2,287	2,286	2,286	2,286	2,286	2,286	2,286	2,286	2,286	2,286
1995						2,066	2,049	2,066	2,068	2,068	2,068	2,068	2,068	2,068	2,068	2,068	2,068	2,068
1996					1,667	1,647	1,667	1,669	1,669	1,669	1,669	1,670	1,670	1,670	1,670	1,670	1,670	1,670
1997				1,547	1,527	1,546	1,548	1,548	1,547	1,547	1,547	1,547	1,547	1,547	1,547	1,547	1,547	1,551
1998			1,583	1,583	1,594	1,596	1,598	1,598	1,598	1,598	1,598	1,598	1,598	1,598	1,598	1,598	1,599	1,599
1999		1,408	1,446	1,452	1,451	1,451	1,451	1,452	1,452	1,452	1,452	1,452	1,452	1,452	1,452	1,452	1,452	1,452
2000	816	1,298	1,311	1,320	1,323	1,324	1,324	1,324	1,324	1,325	1,325	1,325	1,325	1,325	1,325	1,325	1,326	1,326
2001	1,041	1,201	1,245	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250
2002	964	1,114	1,133	1,135	1,136	1,136	1,136	1,136	1,136	1,136	1,135	1,134	1,134	1,134	1,135	1,135	1,135	1,135
2003	1,106	1,239	1,248	1,250	1,250	1,248	1,249	1,249	1,249	1,249	1,249	1,249	1,248	1,248	1,248	1,248	1,248	1,248
2004	1,133	1,267	1,281	1,285	1,285	1,286	1,286	1,286	1,286	1,286	1,286	1,286	1,286	1,286	1,286	1,286	1,286	1,286
2005	1,075	1,190	1,205	1,205	1,205	1,205	1,204	1,204	1,204	1,204	1,204	1,204	1,204	1,204	1,204	1,204	1,204	1,204
2006	1,076	1,204	1,221	1,222	1,225	1,224	1,224	1,224	1,224	1,224	1,224	1,224	1,223	1,222	1,224	1,224	1,224	1,224
2007	1,062	1,160	1,170	1,169	1,170	1,170	1,170	1,170	1,170	1,170	1,170	1,170	1,170	1,170	1,171	1,171		
2008	950	1,069	1,078	1,084	1,083	1,083	1,084	1,083	1,083	1,083	1,083	1,083	1,083	1,083	1,083			
2009	955	1,083	1,094	1,094	1,093	1,094	1,093	1,093	1,093	1,093	1,093	1,093	1,094	1,093				
2010	1,021	1,115	1,126	1,125	1,126	1,126	1,126	1,126	1,126	1,126	1,126	1,126	1,126	1,125				
2011	982	1,082	1,098	1,098	1,095	1,098	1,098	1,099	1,099	1,099	1,099	1,100						
2012	839	923	934	933	934	934	933	933	933	933	933							
2013	834	926	937	939	939	939	938	938	938	938								
2014	830	924	936	937	938	938	939	940	940									
2015	897	961	971	971	972	972	972	972										
2016	798	901	914	914	914	914	914											
2017	737	797	804	805	805	805												
2018	743	818	832	836	837													
2019	669	748	754	755														
2020	642	696	707															
2021	559	625																
2022	606																	

NOTES: DATA BASED ON INFORMATION PROVIDED BY DHRM.

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - LOST TIME CLAIM COUNTS

REPORTED LOST TIME CLAIM COUNTS

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																	
	228	240	252	264	276	288	300	312	324	336	348	360	372	384	396	408	420	432
1987	1,865	1,865	1,865	1,865	1,865	1,865	1,865	1,865	1,865	1,868	1,868	1,868	1,868	1,868	1,868	1,868	1,868	1,868
1988	2,089	2,087	2,087	2,087	2,087	2,087	2,086	2,086	2,087	2,086	2,086	2,086	2,086	2,086	2,086	2,086	2,086	2,086
1989	1,935	1,935	1,935	1,935	1,935	1,936	1,936	1,937	1,937	1,937	1,937	1,937	1,937	1,937	1,937	1,937	1,937	1,937
1990	2,105	2,105	2,105	2,105	2,105	2,105	2,111	2,110	2,110	2,110	2,109	2,109	2,109	2,109	2,109	2,109	2,109	2,109
1991	2,063	2,063	2,063	2,063	2,063	2,070	2,070	2,070	2,070	2,070	2,070	2,070	2,070	2,069	2,069	2,069	2,069	2,069
1992	2,205	2,205	2,205	2,205	2,210	2,210	2,210	2,210	2,210	2,210	2,210	2,210	2,210	2,210	2,210	2,210	2,210	2,210
1993	2,121	2,121	2,121	2,125	2,125	2,125	2,125	2,125	2,125	2,125	2,125	2,125	2,125	2,125	2,125	2,125	2,125	2,125
1994	2,286	2,286	2,288	2,288	2,288	2,288	2,288	2,288	2,288	2,288	2,288	2,288	2,288	2,288	2,288	2,288	2,288	2,288
1995	2,068	2,070	2,070	2,070	2,070	2,070	2,070	2,070	2,070	2,070	2,070	2,070	2,070	2,070	2,070	2,070	2,070	2,070
1996	1,675	1,675	1,675	1,675	1,675	1,675	1,675	1,675	1,675	1,675	1,675	1,675	1,675	1,675	1,675	1,675	1,675	1,675
1997	1,551	1,551	1,551	1,551	1,551	1,551	1,551	1,551	1,551	1,551	1,551	1,551	1,551	1,551	1,551	1,551	1,551	1,551
1998	1,599	1,599	1,598	1,598	1,598	1,598	1,598	1,598	1,598	1,598	1,598	1,598	1,598	1,598	1,598	1,598	1,598	1,598
1999	1,452	1,452	1,452	1,452	1,452	1,452	1,452	1,452	1,452	1,452	1,452	1,452	1,452	1,452	1,452	1,452	1,452	1,452
2000	1,326	1,326	1,326	1,326	1,326	1,326	1,326	1,326	1,326	1,326	1,326	1,326	1,326	1,326	1,326	1,326	1,326	1,326
2001	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250
2002	1,135	1,135	1,135	1,135	1,135	1,135	1,135	1,135	1,135	1,135	1,135	1,135	1,135	1,135	1,135	1,135	1,135	1,135
2003	1,248	1,248	1,248	1,248	1,248	1,248	1,248	1,248	1,248	1,248	1,248	1,248	1,248	1,248	1,248	1,248	1,248	1,248
2004	1,286	1,286	1,286	1,286	1,286	1,286	1,286	1,286	1,286	1,286	1,286	1,286	1,286	1,286	1,286	1,286	1,286	1,286
2005																		
2006																		
2007																		
2008																		
2009																		
2010																		
2011																		
2012																		
2013																		
2014																		
2015																		
2016																		
2017																		
2018																		
2019																		
2020																		
2021																		
2022																		

NOTES: DATA BASED ON INFORMATION PROVIDED BY DHRM.

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - LOST TIME CLAIM COUNTS

OPEN LOST TIME CLAIM COUNTS

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																	
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204	216
1987														19	39	27	15	29
1988													38	38	28	27	37	30
1989												38	37	30	22	29	22	23
1990											72	41	38	41	34	45	43	44
1991										101	54	53	52	42	45	48	47	49
1992									122	90	71	63	39	39	39	47	46	46
1993								118	91	103	79	48	47	55	55	52	54	52
1994							133	108	127	117	75	62	56	59	66	60	68	66
1995						109	85	95	99	93	64	59	56	54	50	57	54	52
1996					127	87	102	100	95	96	77	70	68	68	66	66	61	60
1997				161	117	124	118	114	110	103	79	71	65	68	64	62	60	59
1998			257	183	146	136	128	117	111	101	78	70	63	63	62	58	56	54
1999		388	206	161	141	115	107	100	97	90	79	69	63	63	64	65	64	62
2000	585	306	201	149	124	115	104	97	96	92	75	69	64	56	61	57	54	58
2001	676	311	224	179	154	139	130	129	119	114	87	81	73	70	70	67	60	57
2002	629	304	203	151	133	121	117	110	103	89	76	63	56	59	63	59	53	52
2003	686	277	188	143	133	123	113	118	113	103	89	77	73	70	68	56	54	47
2004	714	281	178	148	122	114	113	105	97	95	75	74	68	61	59	56	51	48
2005	668	299	183	154	129	118	108	108	99	92	80	66	64	60	49	45	39	38
2006	668	275	199	166	144	134	127	116	117	109	95	91	79	71	66	60	52	
2007	657	268	185	147	125	101	100	97	95	82	69	55	54	49	46	45		
2008	581	277	174	135	105	97	92	88	92	83	67	54	55	52	50			
2009	598	248	148	113	102	83	82	81	74	69	55	50	45	37				
2010	638	259	175	140	119	116	117	100	92	79	61	54	45					
2011	626	235	165	127	106	99	90	75	73	60	45	40						
2012	503	219	167	139	130	111	96	94	75	71	52							
2013	518	234	159	130	110	91	83	74	67	55								
2014	501	231	160	115	96	80	71	64	58									
2015	628	210	133	108	90	74	67	63										
2016	459	191	143	106	78	62	54											
2017	440	181	134	95	76	59												
2018	436	158	112	81	61													
2019	349	135	94	63														
2020	324	129	86															
2021	280	121																
2022	302																	

NOTES: DATA BASED ON INFORMATION PROVIDED BY DHRM.

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - LOST TIME CLAIM COUNTS

OPEN LOST TIME CLAIM COUNTS

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																		
	228	240	252	264	276	288	300	312	324	336	348	360	372	384	396	408	420	432	
1987	32	34	36	34	29	27	21	21	21	20	18	19	16	15	11	10	11	11	
1988	37	37	33	27	29	26	19	20	20	23	20	18	17	16	15	14	14		
1989	27	27	22	20	16	17	14	14	13	15	13	10	12	13	11	10			
1990	44	49	47	48	44	42	41	40	41	36	32	27	20	19	19				
1991	51	56	49	46	49	50	45	50	44	43	41	39	38	29					
1992	45	42	39	40	43	41	36	41	34	30	27	26	21						
1993	50	46	47	48	47	44	40	37	36	34	33	31							
1994	60	58	56	57	52	54	52	44	40	36	31								
1995	53	50	47	48	44	43	40	40	37	30									
1996	61	56	58	54	49	45	43	40	41										
1997	54	49	49	41	38	39	35	32											
1998	54	51	52	47	42	35	34												
1999	60	50	44	46	44	42													
2000	56	46	42	37	38														
2001	49	48	45	44															
2002	51	48	45																
2003	45	42																	
2004	44																		
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2015																			
2016																			
2017																			
2018																			
2019																			
2020																			
2021																			
2022																			

NOTES: DATA BASED ON INFORMATION PROVIDED BY DHRM.

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - LOST TIME CLAIM COUNTS

AGE - TO - AGE CLOSED LOST TIME CLAIM COUNT DEVELOPMENT FACTORS

Accident Period Ending 6/30	MONTHS FROM / TO																		
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204	216	228
1987																			
1988																			
1989																			
1990																			
1991																			
1992																			
1993																			
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2019																			
2020																			
2021																			
VOL WTD 3																			
VOL WTD 5																			
VOL WTD ALL																			
ARITH 3																			
ARITH 5																			
ARITH ALL																			
EXCL HI - LO																			
SELECTED																			
CUM SEL'D																			
L'T YR SEL'D																			
EXP % REP'TD																			

NOTES: BASED ON EXHIBIT WC LT COUNT-8.

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - LOST TIME CLAIM COUNTS

AGE - TO - AGE CLOSED LOST TIME CLAIM COUNT DEVELOPMENT FACTORS

Accident Period Ending 6/30	MONTHS FROM / TO																		
	228 240	240 252	252 264	264 276	276 288	288 300	300 312	312 324	324 336	336 348	348 360	360 372	372 384	384 396	396 408	408 420	420 432	432 444	
1987	0.9989	0.9989	1.0011	1.0027	1.0011	1.0033	1.0000	1.0000	1.0022	1.0011	0.9995	1.0016	1.0005	1.0022	1.0005	0.9995	1.0000		
1988	0.9990	1.0020	1.0029	0.9990	1.0015	1.0029	0.9995	1.0005	0.9981	1.0015	1.0010	1.0005	1.0005	1.0005	1.0005	1.0005	1.0000		
1989	1.0000	1.0026	1.0010	1.0021	1.0000	1.0016	1.0005	1.0005	0.9990	1.0010	1.0016	0.9990	0.9995	1.0010	1.0005				
1990	0.9976	1.0010	0.9995	1.0019	1.0010	1.0034	1.0000	0.9995	1.0024	1.0014	1.0024	1.0034	1.0005	1.0000					
1991	0.9975	1.0035	1.0015	0.9985	1.0030	1.0025	0.9975	1.0030	1.0005	1.0010	1.0010	1.0000	1.0044						
1992	1.0014	1.0014	0.9995	1.0009	1.0009	1.0023	0.9977	1.0032	1.0018	1.0014	1.0005	1.0023							
1993	1.0019	0.9995	1.0014	1.0005	1.0014	1.0019	1.0014	1.0005	1.0010	1.0005	1.0010								
1994	1.0009	1.0018	0.9996	1.0022	0.9991	1.0009	1.0036	1.0018	1.0018	1.0022									
1995	1.0025	1.0015	0.9995	1.0020	1.0005	1.0015	1.0000	1.0015	1.0034										
1996	1.0031	0.9988	1.0025	1.0031	1.0025	1.0012	1.0018	0.9994											
1997	1.0033	1.0000	1.0053	1.0020	0.9993	1.0026	1.0020												
1998	1.0019	0.9987	1.0032	1.0032	1.0045	1.0006													
1999	1.0072	1.0043	0.9986	1.0014	1.0014														
2000	1.0079	1.0031	1.0039	0.9992															
2001	1.0008	1.0025	1.0008																
2002	1.0028	1.0028																	
2003	1.0025																		
2004																			
2005																			
2006																			
2007																			
2008																			
2009																			
2010																			
2011																			
2012																			
2013																			
2014																			
2015																			
2016																			
2017																			
2018																			
2019																			
2020																			
2021																			
VOL WTD 3	1.0028	1.0010	1.0014	1.0018	1.0015	1.0012	1.0010	1.0020	1.0014	1.0008	1.0019	1.0015	1.0005	1.0005					TAIL
VOL WTD 5	1.0044	1.0021	1.0024	1.0019	1.0016	1.0013	1.0018	1.0014	1.0017	1.0013	1.0013	1.0011	1.0011						
VOL WTD ALL	1.0013	1.0012	1.0013	1.0012	1.0021	1.0003	1.0010	1.0011	1.0013	1.0010	1.0012	1.0011	1.0009	1.0005	0.9997	1.0000			
ARITH 3	1.0020	1.0028	1.0011	1.0013	1.0018	1.0015	1.0013	1.0009	1.0021	1.0014	1.0008	1.0019	1.0015	1.0005	1.0005				
ARITH 5	1.0042	1.0023	1.0024	1.0018	1.0016	1.0014	1.0018	1.0013	1.0017	1.0013	1.0013	1.0010	1.0011						
ARITH ALL	1.0017	1.0014	1.0014	1.0013	1.0012	1.0021	1.0004	1.0010	1.0011	1.0013	1.0010	1.0011	1.0011	1.0009	1.0005	0.9997	1.0000		
EXCL. HI - LO	1.0016	1.0014	1.0013	1.0014	1.0011	1.0021	1.0003	1.0009	1.0012	1.0012	1.0010	1.0011	1.0005	1.0008	1.0005				
SELECTED	1.0021	1.0020	1.0020	1.0020	1.0015	1.0015	1.0015	1.0015	1.0014	1.0014	1.0010	1.0010	1.0010	1.0008	1.0008	1.0006	1.0004	1.0075	
CUM SEL'D	1.0303	1.0281	1.0261	1.0240	1.0220	1.0205	1.0189	1.0174	1.0159	1.0145	1.0131	1.0120	1.0110	1.0100	1.0093	1.0085	1.0079	1.0075	
L'T YR SEL'D	1.0021	1.0020	1.0020	1.0020	1.0015	1.0015	1.0015	1.0015	1.0014	1.0014	1.0010	1.0010	1.0010	1.0008	1.0008	1.0005	1.0080		
EXP % REP'TD	97.1%	97.3%	97.5%	97.7%	97.8%	98.0%	98.1%	98.3%	98.4%	98.6%	98.7%	98.8%	98.9%	99.0%	99.1%	99.2%	99.2%	99.3%	

NOTES: BASED ON EXHIBIT WC LT COUNT-8.

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - LOST TIME CLAIM COUNTS

CLOSED LOST TIME CLAIM COUNTS

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																	
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204	216
1987														1,843	1,825	1,837	1,849	1,835
1988													2,049	2,049	2,062	2,063	2,053	2,059
1989												1,900	1,900	1,907	1,915	1,909	1,916	1,914
1990											2,031	2,051	2,066	2,063	2,070	2,059	2,062	2,061
1991										1,960	1,997	2,008	2,010	2,020	2,017	2,015	2,016	2,014
1992									2,082	2,091	2,133	2,141	2,165	2,165	2,165	2,157	2,159	2,159
1993								2,001	2,006	2,017	2,042	2,073	2,074	2,066	2,066	2,069	2,067	2,069
1994							2,152	2,150	2,160	2,169	2,211	2,224	2,230	2,227	2,220	2,226	2,218	2,220
1995						1,957	1,964	1,971	1,969	1,975	2,004	2,009	2,012	2,014	2,018	2,011	2,014	2,016
1996					1,540	1,560	1,565	1,569	1,574	1,573	1,592	1,600	1,602	1,602	1,604	1,604	1,609	1,610
1997				1,386	1,410	1,422	1,430	1,434	1,437	1,444	1,468	1,476	1,482	1,479	1,483	1,485	1,487	1,492
1998			1,326	1,400	1,448	1,460	1,470	1,481	1,487	1,497	1,520	1,528	1,535	1,535	1,536	1,540	1,543	1,545
1999		1,020	1,240	1,291	1,310	1,336	1,344	1,352	1,355	1,362	1,373	1,383	1,389	1,389	1,388	1,387	1,388	1,390
2000	231	992	1,110	1,171	1,199	1,209	1,220	1,227	1,228	1,233	1,250	1,256	1,261	1,269	1,264	1,268	1,272	1,268
2001	365	890	1,021	1,071	1,096	1,111	1,120	1,121	1,131	1,136	1,163	1,169	1,177	1,180	1,180	1,183	1,190	1,193
2002	335	810	930	984	1,003	1,015	1,019	1,026	1,033	1,047	1,059	1,071	1,078	1,075	1,072	1,076	1,082	1,083
2003	420	962	1,060	1,107	1,117	1,125	1,136	1,131	1,136	1,146	1,160	1,172	1,175	1,178	1,180	1,192	1,194	1,201
2004	419	986	1,103	1,137	1,163	1,172	1,173	1,181	1,189	1,191	1,211	1,212	1,218	1,225	1,227	1,230	1,235	1,238
2005	407	891	1,022	1,051	1,076	1,087	1,096	1,096	1,105	1,112	1,124	1,138	1,140	1,144	1,155	1,159	1,165	1,166
2006	408	929	1,022	1,056	1,081	1,090	1,097	1,108	1,107	1,115	1,129	1,133	1,144	1,151	1,158	1,164	1,172	
2007	405	892	985	1,022	1,045	1,069	1,070	1,073	1,075	1,088	1,101	1,115	1,116	1,121	1,125	1,126		
2008	369	792	904	949	978	986	992	995	991	1,000	1,016	1,029	1,028	1,031	1,033			
2009	357	835	946	981	991	1,011	1,011	1,012	1,019	1,024	1,038	1,043	1,049	1,056				
2010	383	856	951	985	1,007	1,010	1,009	1,026	1,034	1,047	1,065	1,072	1,080					
2011	356	847	933	971	989	999	1,008	1,024	1,026	1,039	1,054	1,060						
2012	336	704	767	794	804	823	837	839	858	862	881							
2013	316	692	778	809	829	848	855	864	871	883								
2014	329	693	776	822	842	858	868	876	882									
2015	269	751	838	863	882	898	905	909										
2016	339	710	771	808	836	852	860											
2017	297	616	670	710	729	746												
2018	307	660	720	755	776													
2019	320	613	660	692														
2020	318	567	621															
2021	279	504																
2022	304																	

NOTES: DATA BASED ON INFORMATION PROVIDED BY DHRM.

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - LOST TIME CLAIM COUNTS

CLOSED LOST TIME CLAIM COUNTS

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																	
	228	240	252	264	276	288	300	312	324	336	348	360	372	384	396	408	420	432
1987	1,833	1,831	1,829	1,831	1,836	1,838	1,844	1,844	1,844	1,848	1,850	1,849	1,852	1,853	1,857	1,858	1,857	1,857
1988	2,052	2,050	2,054	2,060	2,058	2,061	2,067	2,066	2,067	2,063	2,066	2,068	2,069	2,070	2,071	2,072	2,072	
1989	1,908	1,908	1,913	1,915	1,919	1,919	1,922	1,923	1,924	1,922	1,924	1,927	1,925	1,924	1,926	1,927		
1990	2,061	2,056	2,058	2,057	2,061	2,063	2,070	2,070	2,069	2,074	2,077	2,082	2,089	2,090	2,090			
1991	2,012	2,007	2,014	2,017	2,014	2,020	2,025	2,020	2,026	2,027	2,029	2,031	2,031	2,040				
1992	2,160	2,163	2,166	2,165	2,167	2,169	2,174	2,169	2,176	2,180	2,183	2,184	2,189					
1993	2,071	2,075	2,074	2,077	2,078	2,081	2,085	2,088	2,089	2,091	2,092	2,094						
1994	2,226	2,228	2,232	2,231	2,236	2,234	2,236	2,244	2,248	2,252	2,257							
1995	2,015	2,020	2,023	2,022	2,026	2,027	2,030	2,030	2,033	2,040								
1996	1,614	1,619	1,617	1,621	1,626	1,630	1,632	1,635	1,634									
1997	1,497	1,502	1,502	1,510	1,513	1,512	1,516	1,519										
1998	1,545	1,548	1,546	1,551	1,556	1,563	1,564											
1999	1,392	1,402	1,408	1,406	1,408	1,410												
2000	1,270	1,280	1,284	1,289	1,288													
2001	1,201	1,202	1,205	1,206														
2002	1,084	1,087	1,090															
2003	1,203	1,206																
2004	1,242																	
2005																		
2006																		
2007																		
2008																		
2009																		
2010																		
2011																		
2012																		
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2014																		
2015																		
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2017																		
2018																		
2019																		
2020																		
2021																		
2022																		

NOTES: DATA BASED ON INFORMATION PROVIDED BY DHRM.

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - LOST TIME CLAIM COUNTS

INCREMENTAL CLOSING RATES - LOST TIME CLAIM COUNTS

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204
1987																	
1988															(0.857)	0.308	0.444
1989													0.000	0.189	0.267	(0.261)	0.241
1990												0.328	0.283	(0.079)	0.171	(0.324)	0.065
1991											0.407	0.172	0.037	0.192	(0.071)	(0.043)	0.021
1992										0.091	0.372	0.113	0.381	0.000	0.000	(0.205)	0.042
1993									0.052	0.096	0.240	0.392	0.021	(0.170)	0.000	0.055	(0.038)
1994								(0.019)	0.073	0.071	0.359	0.173	0.097	(0.054)	(0.119)	0.091	(0.133)
1995							0.076	0.069	(0.021)	0.061	0.312	0.078	0.051	0.036	0.074	(0.140)	0.053
1996						0.187	0.047	0.038	0.050	(0.011)	0.198	0.103	0.029	0.000	0.029	0.000	0.076
1997					0.170	0.088	0.063	0.034	0.027	0.064	0.233	0.101	0.085	(0.046)	0.059	0.031	0.032
1998				0.288	0.247	0.081	0.072	0.086	0.051	0.090	0.228	0.103	0.100	0.000	0.016	0.065	0.051
1999			0.516	0.241	0.119	0.184	0.070	0.074	0.030	0.072	0.122	0.127	0.087	0.000	(0.016)	(0.016)	0.015
2000	0.283	0.713	0.370	0.290	0.184	0.080	0.096	0.067	0.010	0.052	0.185	0.080	0.072	0.125	(0.089)	0.066	0.069
2001	0.351	0.628	0.369	0.218	0.140	0.097	0.065	0.008	0.078	0.042	0.237	0.069	0.099	0.041	0.000	0.043	0.104
2002	0.348	0.610	0.372	0.263	0.125	0.090	0.033	0.060	0.064	0.136	0.136	0.160	0.111	(0.054)	(0.050)	0.063	0.102
2003	0.380	0.662	0.343	0.247	0.070	0.061	0.089	(0.044)	0.042	0.088	0.136	0.135	0.039	0.041	0.029	0.176	0.036
2004	0.370	0.669	0.397	0.187	0.176	0.073	0.009	0.071	0.076	0.021	0.211	0.013	0.081	0.103	0.033	0.051	0.089
2005	0.379	0.618	0.417	0.158	0.162	0.085	0.077	0.000	0.083	0.071	0.130	0.175	0.030	0.063	0.183	0.082	0.133
2006	0.379	0.655	0.318	0.170	0.148	0.063	0.052	0.087	(0.009)	0.068	0.128	0.042	0.122	0.090	0.096	0.091	0.133
2007	0.381	0.645	0.335	0.201	0.155	0.192	0.010	0.030	0.021	0.137	0.159	0.203	0.018	0.093	0.080	0.022	
2008	0.388	0.604	0.392	0.250	0.216	0.076	0.061	0.033	(0.045)	0.098	0.193	0.194	(0.019)	0.055	0.038		
2009	0.374	0.658	0.429	0.236	0.089	0.194	0.000	0.012	0.086	0.068	0.203	0.091	0.118	0.159			
2010	0.375	0.646	0.352	0.195	0.156	0.025	(0.009)	0.145	0.080	0.141	0.228	0.115	0.151				
2011	0.363	0.676	0.343	0.230	0.145	0.092	0.091	0.176	0.027	0.178	0.250	0.130					
2012	0.400	0.627	0.274	0.163	0.071	0.146	0.127	0.021	0.202	0.053	0.268						
2013	0.379	0.616	0.351	0.193	0.154	0.173	0.078	0.108	0.095	0.179							
2014	0.396	0.612	0.342	0.286	0.172	0.167	0.123	0.111	0.094								
2015	0.300	0.697	0.395	0.188	0.174	0.178	0.095	0.060									
2016	0.425	0.660	0.299	0.259	0.264	0.205	0.129										
2017	0.403	0.638	0.287	0.296	0.200	0.224											
2018	0.413	0.691	0.349	0.302	0.256												
2019	0.478	0.685	0.333	0.337													
2020	0.495	0.659	0.386														
2021	0.499	0.650															
2022	0.502																

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COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - LOST TIME CLAIM COUNTS

INCREMENTAL CLOSING RATES - LOST TIME CLAIM COUNTS

Accident Period Ending 6/30	AGE OF DEVELOPMENT IN MONTHS																		
	216	228	240	252	264	276	288	300	312	324	336	348	360	372	384	396	408	420	432
1987	(0.933)	(0.067)	(0.063)	(0.059)	0.056	0.147	0.069	0.222	0.000	0.000	0.167	0.100	(0.056)	0.158	0.063	0.267	0.091	(0.100)	0.000
1988	0.167	(0.233)	(0.057)	0.108	0.182	(0.074)	0.103	0.240	(0.053)	0.048	(0.211)	0.130	0.100	0.056	0.059	0.063	0.067	0.000	
1989	(0.095)	(0.286)	0.000	0.185	0.091	0.200	0.000	0.176	0.067	0.071	(0.154)	0.133	0.231	(0.200)	(0.083)	0.154	0.091		
1990	(0.023)	0.000	(0.114)	0.041	(0.021)	0.083	0.045	0.146	0.000	(0.025)	0.122	0.086	0.156	0.259	0.050	0.000			
1991	(0.043)	(0.041)	(0.098)	0.125	0.061	(0.065)	0.107	0.100	(0.111)	0.120	0.023	0.047	0.049	0.000	0.237				
1992	0.000	0.022	0.067	0.071	(0.026)	0.044	0.047	0.122	(0.139)	0.171	0.118	0.100	0.037	0.192					
1993	0.037	0.038	0.080	(0.022)	0.059	0.021	0.064	0.091	0.075	0.027	0.056	0.029	0.061						
1994	0.029	0.091	0.033	0.067	(0.018)	0.088	(0.038)	0.037	0.154	0.091	0.100	0.139							
1995	0.037	(0.019)	0.091	0.060	(0.021)	0.083	0.023	0.070	0.000	0.075	0.189								
1996	0.016	0.062	0.082	(0.036)	0.069	0.093	0.082	0.044	0.070	(0.025)									
1997	0.078	0.085	0.093	0.000	0.163	0.073	(0.026)	0.103	0.086										
1998	0.036	0.000	0.056	(0.040)	0.096	0.106	0.167	0.029											
1999	0.031	0.032	0.167	0.120	(0.045)	0.043	0.045												
2000	(0.074)	0.034	0.179	0.087	0.119	(0.027)													
2001	0.050	0.140	0.020	0.063	0.022														
2002	0.019	0.019	0.059	0.063															
2003	0.130	0.043	0.067																
2004	0.059	0.083																	
2005	0.026																		
2006																			
2007																			
2008																			
2009																			
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COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HUMAN RESOURCE MANAGEMENT
OFFICE OF WORKERS' COMPENSATION
SELF INSURANCE FUND
REVIEW AS OF JUNE 30, 2022
WORKERS' COMPENSATION - LOST TIME CLAIM COUNTS

ANALYSIS OF LOST TIME CLAIM CLOSING RATES

CALENDAR YEAR CLOSING RATE - ALL MONTHS

CALENDAR YEAR	(1)	(2)	(3)	(4)
	INCREMENTAL CLOSED CLAIMS	OPEN CLAIMS AT BEGINNING OF CALENDAR YEAR	INCREMENTAL REPORTED CLAIMS	(1) / [(2) + (3)] INCREMENTAL CLOSING RATE
7/1/01 - 6/30/02	1,222	2,158	1,310	0.352
7/1/02 - 6/30/03	1,190	2,246	1,317	0.334
7/1/03 - 6/30/04	1,294	2,373	1,296	0.353
7/1/04 - 6/30/05	1,222	2,375	1,220	0.340
7/1/05 - 6/30/06	1,134	2,373	1,210	0.316
7/1/06 - 6/30/07	1,156	2,449	1,206	0.316
7/1/07 - 6/30/08	1,062	2,499	1,064	0.298
7/1/08 - 6/30/09	1,016	2,501	1,088	0.283
7/1/09 - 6/30/10	1,074	2,573	1,160	0.288
7/1/10 - 6/30/11	1,125	2,659	1,092	0.300
7/1/11 - 6/30/12	1,094	2,626	948	0.306
7/1/12 - 6/30/13	893	2,480	931	0.262
7/1/13 - 6/30/14	944	2,518	977	0.270
7/1/14 - 6/30/15	819	2,551	993	0.231
7/1/15 - 6/30/16	1,016	2,725	882	0.282
7/1/16 - 6/30/17	945	2,591	851	0.275
7/1/17 - 6/30/18	907	2,497	814	0.274
7/1/18 - 6/30/19	937	2,404	750	0.297
7/1/19 - 6/30/20	885	2,217	739	0.299
7/1/20 - 6/30/21	762	2,071	625	0.283
7/1/21 - 6/30/22	779	1,934	684	0.298

CALENDAR YEAR CLOSING RATE EXCLUDING 12 MONTH OLD DATA

CALENDAR YEAR	(1)	(2)	(3)	(4)
	INCREMENTAL CLOSED CLAIMS	OPEN CLAIMS AT BEGINNING OF CALENDAR YEAR	INCREMENTAL REPORTED CLAIMS	(1) / [(2) + (3)] INCREMENTAL CLOSING RATE
7/1/01 - 6/30/02	887	2,158	346	0.354
7/1/02 - 6/30/03	770	2,246	211	0.313
7/1/03 - 6/30/04	875	2,373	163	0.345
7/1/04 - 6/30/05	815	2,375	145	0.323
7/1/05 - 6/30/06	726	2,373	134	0.290
7/1/06 - 6/30/07	751	2,449	144	0.290
7/1/07 - 6/30/08	693	2,499	114	0.265
7/1/08 - 6/30/09	659	2,501	133	0.250
7/1/09 - 6/30/10	691	2,573	139	0.255
7/1/10 - 6/30/11	769	2,659	110	0.278
7/1/11 - 6/30/12	758	2,626	109	0.277
7/1/12 - 6/30/13	577	2,480	97	0.224
7/1/13 - 6/30/14	615	2,518	147	0.231
7/1/14 - 6/30/15	550	2,551	96	0.208
7/1/15 - 6/30/16	677	2,725	84	0.241
7/1/16 - 6/30/17	648	2,591	114	0.240
7/1/17 - 6/30/18	600	2,497	71	0.234
7/1/18 - 6/30/19	617	2,404	81	0.248
7/1/19 - 6/30/20	567	2,217	97	0.245
7/1/20 - 6/30/21	483	2,071	66	0.226
7/1/21 - 6/30/22	475	1,934	78	0.236

CALENDAR YEAR CLOSING RATE EXCLUDING 12 AND 24 MONTH OLD DATA

CALENDAR YEAR	(1)	(2)	(3)	(4)
	INCREMENTAL CLOSED CLAIMS	OPEN CLAIMS AT BEGINNING OF CALENDAR YEAR	INCREMENTAL REPORTED CLAIMS	(1) / [(2) + (3)] INCREMENTAL CLOSING RATE
7/1/01 - 6/30/02	362	1,482	186	0.217
7/1/02 - 6/30/03	295	1,617	61	0.176
7/1/03 - 6/30/04	333	1,687	30	0.194
7/1/04 - 6/30/05	248	1,661	11	0.148
7/1/05 - 6/30/06	242	1,705	19	0.140
7/1/06 - 6/30/07	230	1,781	16	0.128
7/1/07 - 6/30/08	206	1,842	16	0.111
7/1/08 - 6/30/09	236	1,920	14	0.122
7/1/09 - 6/30/10	213	1,975	11	0.107
7/1/10 - 6/30/11	296	2,021	16	0.145
7/1/11 - 6/30/12	267	2,000	9	0.133
7/1/12 - 6/30/13	209	1,977	13	0.105
7/1/13 - 6/30/14	239	2,000	55	0.116
7/1/14 - 6/30/15	186	2,050	2	0.091
7/1/15 - 6/30/16	195	2,097	20	0.092
7/1/16 - 6/30/17	277	2,132	11	0.129
7/1/17 - 6/30/18	281	2,057	11	0.136
7/1/18 - 6/30/19	264	1,968	6	0.134
7/1/19 - 6/30/20	274	1,868	18	0.145
7/1/20 - 6/30/21	234	1,747	12	0.133
7/1/21 - 6/30/22	250	1,654	12	0.150



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