

Washington State Transit Insurance Pool

**2023 Rate Level Review
As of June 30, 2022**

November 7, 2022



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Purpose

Washington State Transit Insurance Pool (the Pool or WSTIP) has retained PricewaterhouseCoopers LLP (PwC) to provide an actuarial review of the Pool's program year 2023 rates. In this report, we provide:

1. Unpaid claim estimates as of June 30, 2022, and December 31, 2022
2. Estimated capital adequacy as of December 31, 2022
3. Estimated automobile liability (AL) and general liability (GL) loss and loss rates for calendar accident year 2023 and estimated auto physical damage (APD) and property loss and loss rates for accident years ending June 30, 2023 (2022-23) and June 30, 2024 (2023-24)
4. Estimated future payments (cash flow requirements) during calendar payment year 2023
5. The indicated funding level and funding options for program year 2023
6. Projected losses and capital requirements (risk capital targets) at various alternative retention levels for program year 2023
7. Individual member contribution requirements for program year 2023
8. Individual member rating worksheets for program year 2023
9. Auto physical damage and property deductible credits at various deductible levels for accident years 2022-23 and 2023-24
10. A review of the UIM (uninsured/underinsured motorist) rate adequacy
11. An "operating year" financial schedule

Unpaid claims are estimated as of June 30, 2022, based on data valued as of June 30, 2022. We continued to receive information and supplemental data from WSTIP through October 11, 2022; none of this additional information and data reflects activity between the valuation date of the data and the date it was provided.

References to the term "loss" should be understood to mean loss and allocated loss adjustment expense (ALAE). These expenses would include the costs of adjusting claims, such as legal expense, that are assigned to specific cases. Our analysis includes unallocated loss adjustment expenses (ULAE), which are expenses not assigned to specific cases (e.g., claims administration costs).

The estimates in this report are actuarial central estimates which represent the expected value over the range of reasonably possible outcomes. This report and supporting work-papers document the procedures and results of PwC's analysis.

Our Services were performed, and this Deliverable was prepared, for the sole use and benefit of, and pursuant to a client relationship exclusively with, WSTIP. PwC is providing no audit opinion, attestation or other form of assurance and disclaims any contractual or other responsibility to others based on their access to or use of the Deliverable. Accordingly, the information in this Deliverable may not be relied upon by anyone other than WSTIP.

The procedures performed throughout this engagement were advisory in nature and were performed under the American Academy of Actuaries Code of Professional Conduct and Actuarial Standards of Practice. The procedures performed did not constitute an audit, a review, examination, or other form of attestation or assurance as those terms are defined by the AICPA. Accordingly, we do not express any form of assurance. Any use of the term "review" within this report should be interpreted in the common use of that term, and not in the definition of "review" promulgated by the AICPA. Also, this report/work product does not constitute a legal opinion or advice.

Background

The Pool began its self-insurance program on January 1, 1989, and currently consists of 25 member transit systems. Table 1 shows the dates when each member joined the Pool.

Table 1 – Current Pool members

Transit system	Join date
Ben Franklin Transit	January 1, 1989
Clallam Transit System	January 1, 1989
Community Transit	January 1, 1989
Grays Harbor Transit	January 1, 1989
Intercity Transit	January 1, 1989
Island Transit	August 13, 1992
Jefferson Transit Authority	January 1, 1989
Kitsap Transit	January 1, 1989
Link Transit	December 4, 1990
Mason Transit Authority	January 1, 1993
Pacific Transit System	January 1, 1989
Skagit Transit	August 1, 1993
Whatcom Transportation Authority	December 19, 1995
Grant Transit Authority	February 1, 1997
Pullman Transit	January 1, 2003
Spokane Transit Authority	July 1, 2004
Valley Transit	December 1, 2004
Columbia County Public Transportation	February 7, 2005
RiverCities Transit	March 13, 2005
Everett Transit	May 1, 2005
Yakima Transit	September 1, 2005
Asotin PBTA	July 1, 2007
Pierce Transit	January 1, 2009
C-Tran	January 1, 2011
Central Transit	January 1, 2020

The purpose for forming the Pool was to provide member transit systems with programs of joint self-insurance, joint purchasing of insurance and joint contracting for hiring personnel to provide risk management, claims handling, training and administrative services. Coverages provided by the Pool include: automobile liability, general liability, auto physical damage, and property.

A primary objective of the Pool is to provide stable rates and budget stability to its membership. Maintaining a sufficiently strong net position mitigates the impact to the membership of the various financial stresses inherent with insurance operations. While the Pool maintains the ability to replenish capital through a retroactive assessment, such a strategy is inconsistent with its financial goals. Capital adequacy is assessed using a capital modeling approach consistent with insurance and pooling standards.

The Pool's governing body consists of its Board of Directors, which is comprised of one representative and at least one alternate from each member system. The Board of Directors meets four times a year. The Executive Committee consists of the Pool's officers (President, Vice President, Secretary and Past President), a representative from each size transit agency group (small, medium, and large) and one additional representative (at large) which can be from any size agency. The Pool's appointed Treasurer also sits on the Executive Committee as a non-voting member. Once elected as Secretary, the positions roll up through the ranks until rolling off as Past President. The member representatives (large, medium, small, and at large) are elected annually. The Executive Committee handles the day-to-day governance of WSTIP and also serves as the Claim Review Committee in all cases involving indemnity reserves greater than \$250,000. The Executive Committee meets almost monthly. Member systems joining the Pool must remain members for a minimum of three years. A member may withdraw from the Pool at the end of any fiscal year by giving six months written notice of its intent to withdraw. No member may withdraw within its first three years of membership. Any member withdrawing from the Pool may not be allowed to rejoin the Pool for a period of three years.

The Pool has historically purchased excess insurance and reinsurance above its self-insured retentions (SIR). Loss and ALAE are combined for the purposes of establishing the Pool's retention for any one occurrence. Claims are handled internally. Historical auto and general liability amounts retained by the Pool are presented in Table 2.

Table 2 - Historical liability retentions

Loss period	Amount retained
1/1/89-12/31/92	\$250,000 per occ.
1/1/93 - 12/31/94	\$300,000 per occ.
1/1/95 - 12/31/96	\$300,000 per occ. plus \$200,000 agg. deductible of layer in excess of \$300,000
1/1/97 - 12/31/98	\$300,000 per occ. plus \$400,000 agg. deductible of layer \$200,000 excess of \$300,000
1/1/99 - 12/31/00	\$250,000 per occ.
1/1/01 - 12/31/02	\$250,000 per occ. plus \$250,000 agg. deductible of layer in excess of \$250,000
1/1/03 - 12/31/03	\$500,000 per occ.
1/1/04 - 12/31/05	\$600,000 per occ.
1/1/06 - 12/31/07	\$1 million per occ.
1/1/08 - 2/31/08	\$1 million per occ. plus 33% of losses \$3 million excess of \$1 million
1/1/09 - 12/31/10	\$1 million per occ. plus \$500,000 agg. deductible of layer in excess of \$1 million
1/1/11 - 12/31/14	\$1 million per occ. plus 17% of losses \$3 million excess of \$1 million
1/1/15 - 12/31/16	\$2 million per occ.
1/1/17 – 12/31/19	\$2.5 million per occ.
1/1/20 – present	\$2 million per occ.

For general liability losses occurring during 1996 through 1998, the aggregate corridor deductibles do not apply.

All member systems have a \$5,000 deductible for Public Officials Liability claims. These types of claims have been infrequent historically; they are included in the general liability analysis.

The Pool's more recent retention levels for first-party losses are presented in Table 3.

Table 3 – Recent first party Pool retention levels

Loss period	APD	Property
1/1/03 – 6/30/11	\$100,000	\$100,000
7/1/11 – 6/30/12	\$250,000	\$250,000
7/1/12 – 6/30/13	\$500,000	\$500,000
7/1/13 - present	\$250,000	\$250,000

Property deductibles are \$5,000 for all members except C-Tran (\$10,000 deductible), Pierce Transit (\$25,000 deductible), and Spokane Transit (\$25,000 deductible); Central Transit, Yakima Transit, Pullman Transit and Everett Transit do not purchase property coverage through the Pool.

Auto physical damage deductibles are \$5,000 for all members except C-Tran (\$10,000 deductible), Pierce Transit (\$25,000 deductible), and Spokane Transit (\$25,000 deductible); Central Transit, Pullman Transit and Everett Transit do not purchase APD coverage through the Pool. UIM is first dollar coverage.

The Pool operates with an annual planning and budgeting cycle. Fiscal years run from January 1 through December 31. The liability coverage year follows the fiscal year whereas the first party coverage year runs from July 1 through June 30.

Key findings

Unpaid claim estimate

The Pool's unpaid claim estimate net of self-insured retentions and net of deductibles as of the December 31, 2022 year-end is approximately \$22.4 million. This is roughly \$0.8 million (3.7%) higher than the December 31, 2021 year-end estimate. Table 4 presents a comparison of the components of the recent unpaid claim estimates.

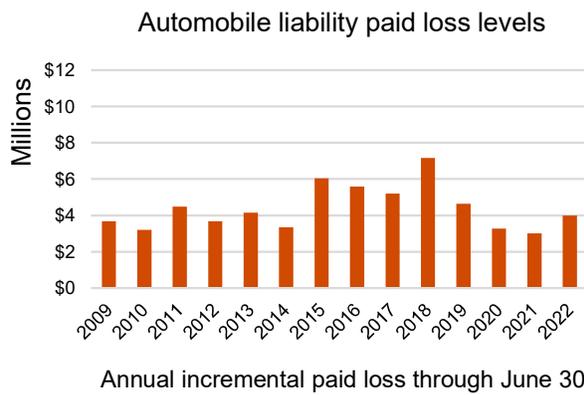
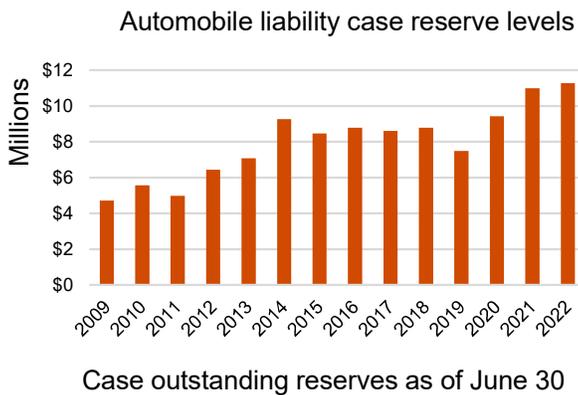
Table 4 – Summary of unpaid claim estimate

(\$000s)

Component	12/31/2021	6/30/2022	12/31/2022
1. Case reserves	13,054	14,268	
2. IBNR reserves	7,674	8,000	
3. Total unpaid case and IBNR [(1)+(2)]	20,728	22,268	21,509
4. ULAE reserves	860	920	882
5. Total unpaid claim estimate [(3)+(4)]	21,588	23,188	22,391

Case reserves have increased since the December 2021 year-end. This growth is driven by increases in two large auto liability claims from prior accident years as well as unfavorable loss experience in the most recent accident year.

Outstanding case reserve levels over the past 3 years (June 30, 2020, 2021 and 2022) are higher than those from prior years. Annual payments from recent periods continue to be lower than historical levels. The following charts display WSTIP's recent paid loss and case reserve levels for automobile liability.



Similar patterns are seen from the loss experience of all coverages combined as shown on the following graph. The indicated paid loss for 2022 is lower than the others because it represents only the first six months of the year.



Table 5 provides a reconciliation of the anticipated change in the unpaid claim estimate between the December 2021 and the December 2022 year-ends.

Table 5 – Anticipated change in unpaid claim estimate
(\$000s)

	2021	2022
Beginning claim estimate	22,016	21,588
Change in prior year loss estimates	-1,649	-298
New losses incurred	+6,074	+8,313
Net payments during period	-4,889	-7,251
Vanpool medical expense coverage case reserves	+20	+17
Change in ULAE reserves	+16	+22
Ending claim estimate	21,588	22,391

1. Case reserves associated with the vanpool medical expense coverage claims are included in the unpaid claim estimate as of 12/31/2021.
2. New losses incurred and net payments during period shown exclude vanpool medical expense coverage claims.

Losses from prior accident years (2021 and prior) have changed very little. The estimated ultimate loss for accident year 2022 (\$8.3 million) is slightly lower than what was estimated when rates were set (\$8.7 million).

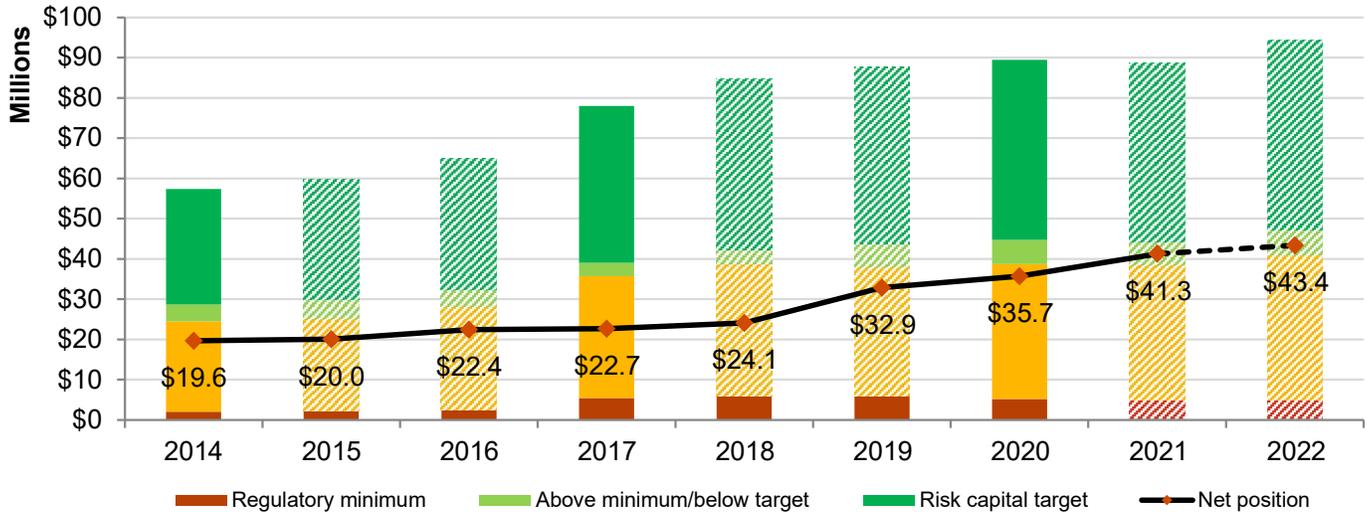
Capital adequacy as of December 31, 2022

The Board monitors its capital adequacy by comparing the net position to the following risk capital target ranges:

- Lower bound: 1-in-200 year capital event under current retentions
- Upper bound: 2 times a 1-in-200 year capital event under \$5 million liability retention
- Lighter green zone: 1-in-200 year capital event under \$5 million liability retention

The Pool's risk capital target range for the December 31, 2022 fiscal year-end (FYE) is estimated to be between \$41.0 million and \$94.4 million, with the upper end of the lighter green zone (1-in-200 year capital event under \$5 million liability retention) estimated to be \$47.2 million.

Capital adequacy



The current information indicates WSTIP's net position is expected to increase to \$43.4 million (\$2.1 million increase) as of December 31, 2022; this estimate is within the risk capital target range. The \$2.1 million increase compares to a budgeted increase in net position of \$2.0 million.

Operating year schedule

Prior year changes in unpaid claim estimates are recorded during the fiscal year when the change is made. These changes can distort the true operating result of that fiscal year.

An operating year schedule is presented in Appendix B of this report. This schedule illustrates how the net position is trending without distortions caused by adjustments in prior year unpaid claim estimates. The increase in net position during 2019 from an operating year perspective is roughly \$2.6 million. However, the change in position per the Pool's financial statements is a \$8.8 million increase. The difference is due to changes in actuarial claim estimates being reflected in the year the changes are made.

Future losses and loss rates

The projected ultimate loss for WSTIP is estimated to be roughly \$8.778 million. A breakout of the projected exposures, loss rates and ultimate losses by coverage is presented in Table 6. Projected ultimate losses for the liability coverages are for January 1, 2023 through December 31, 2023 while those for APD and property are for July 1, 2022 through June 30, 2023. The assumption in Table 6 is that the 2023 liability self-insured retention will be \$2.0 million per occurrence and the 2022-23 APD/property retention will be \$250,000.

Table 6 – Projected 2023 liability / 2022-23 first party net ultimate loss

(\$000s)

Coverage	Exposure unit	Exposures	Loss rate	Ultimate loss
Automobile liability	Mileage in thousands	90,252	71.03	6,411
General liability	Employee counts	5,956	239.93	1,429
Auto physical damage	Vehicle value in millions	263	3,125	822
Property	Property value in millions	665	175	116
Total				8,778

The 2023 estimated future losses are similar to the projected estimates from the prior year-end (\$8.778 million versus \$8.725 million).

Mileage and employee counts were provided by WSTIP management. Vehicle purchase prices and property values were also provided by the Pool. Vehicle purchase prices have been adjusted for depreciation and for APD member deductibles. Property values have been adjusted for property member deductibles.

The estimated 2023-24 (July 1, 2023 through June 30, 2024) ultimate loss and loss rates for APD and property are shown in Table 7. The APD/property self-insured retention is assumed to remain at \$250,000. Vehicle and property values are assumed to increase from 2022-23 values by 3%.

Table 7 – Projected 2023-24 APD and property net ultimate loss

(\$000s)

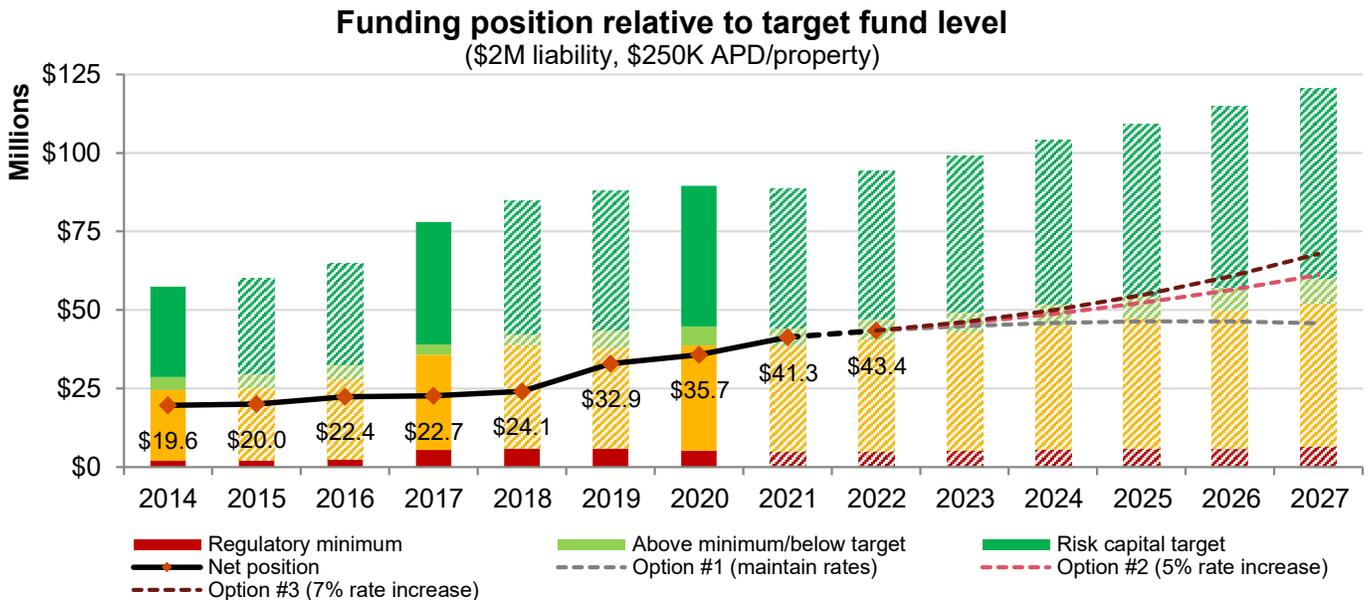
Coverage	Exposure unit	Exposures	Loss rate	Ultimate loss
Auto physical damage	Vehicle value in millions	271	3,125	847
Property	Property value in millions	685	175	116

Projected future payments during calendar year 2023

The estimated future payments over the period from July 1, 2022 to December 31, 2022 are approximately \$4.7 million. Future payments during calendar year 2023 assuming current retention levels are estimated to be \$9.4 million. Projected calendar year payments under various alternative retention and deductible scenarios for fiscal year 2023 are also estimated.

Rating options for 2023

The following graph presents WSTIP’s prior and projected net position assuming various future rate changes along with the accompanying target funding ranges. The target funding ranges presented for 2023 through 2027 assume that WSTIP continues with its liability retentions set at \$2 million and its APD and property retention remaining at \$250,000. Pool losses are assumed to increase by roughly 4% per year going forward.

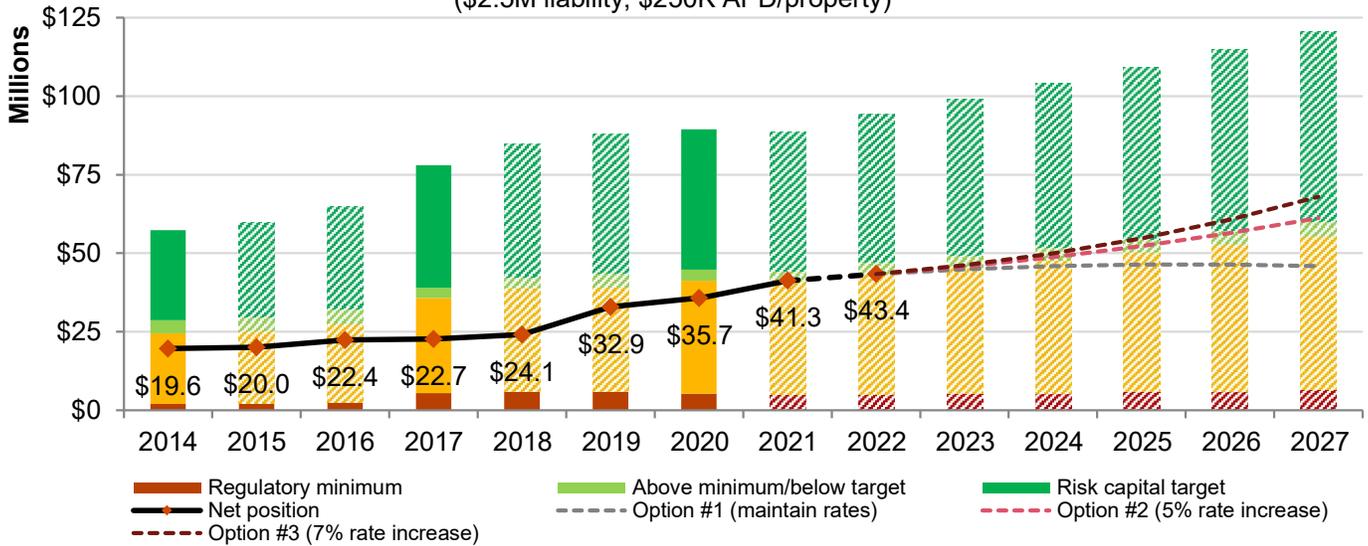


Actual program costs will vary from the estimated amounts. Accordingly, the funding plan should be reviewed and adjusted as necessary, at least annually.

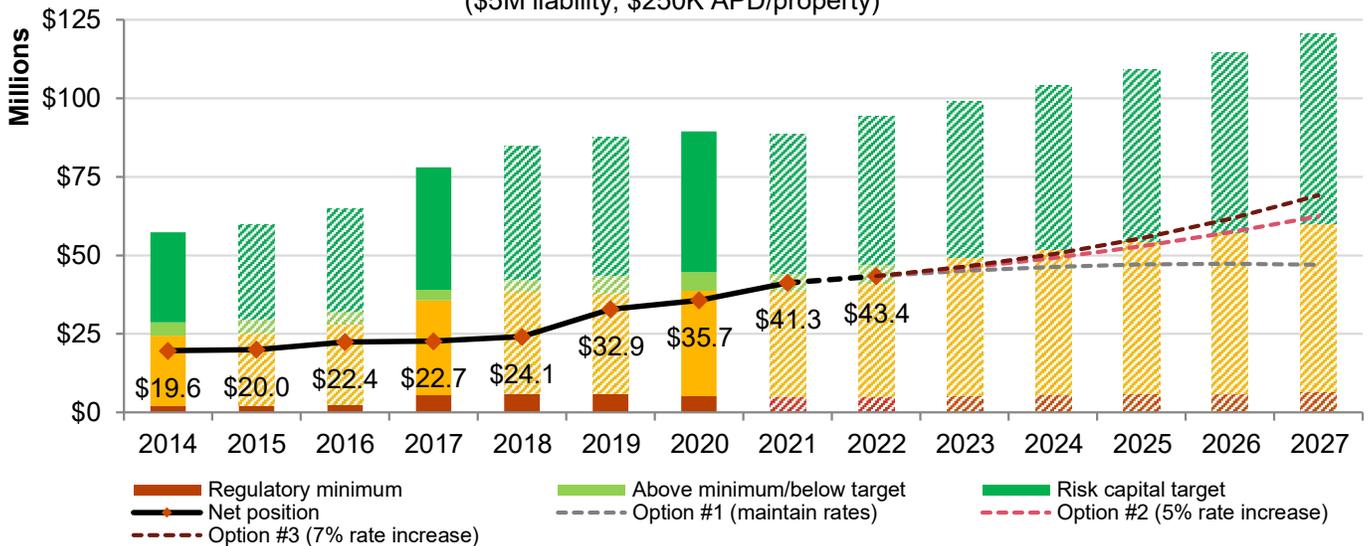
Rating options under alternative retention scenarios

Varying the program’s future retention levels will lead to different projected program costs and target funding ranges. While increasing the liability retentions decreases reinsurance program costs, projected retained loss costs and the associated variability will be significantly increased. As a result, the lower bounds of WSTIP’s target funding ranges will be increased. The following graphs show WSTIP’s projected net position levels and the accompanying future target funding ranges under alternative retention assumptions.

Funding position relative to target fund level
(\$2.5M liability, \$250K APD/property)



Funding position relative to target fund level
(\$5M liability, \$250K APD/property)



Estimation of property deductible credits

All but three members participating in the APD or property pool coverages during 2021-22 will have a \$5,000 deductible. Pierce and Spokane will have \$25,000 deductibles; C-Tran will have a \$10,000 deductible. Central, Everett and Pullman do not participate in either the property or APD pool coverages. Yakima does not participate in the property pool coverage. The 2022-23 deductible factors for each of these coverages assuming a Pool deductible of \$250,000 and a

15% risk load are presented in Table 8. The risk load is based on discussions with WSTIP management regarding the profitability of the deductible layers. Deductible factors are applied directly to base rates.

Table 8 – Estimated deductible factors for 2022-23
(to be applied to the base rates for 2022-23)

Deductible option	APD	Property
\$5,000	0.842	0.989
10,000	0.784	0.984
25,000	0.714	0.975
50,000	0.658	0.965

The 2023-24 deductible factors were estimated using the projected 2023-24 property and APD ultimate losses and assuming all other rating components remain unchanged from 2022-23.

Table 9 – Estimated deductible factors for 2023-24
(to be applied to the base rates for 2023-24)

Deductible option	APD	Property
\$5,000	0.837	0.989
10,000	0.778	0.984
25,000	0.705	0.974
50,000	0.647	0.964

Review of UIM rate adequacy

UIM contribution rates for van pool (\$0.0075 per mile) and non-van pool (\$0.0060 per mile) were mandated by WSTIP Board policy. Each year when rates are set, PwC estimates the auto physical damage (APD) losses expected to be incurred during the prospective rating year. Due to their smaller volume, all first party auto claims (including UIM) are contained within the APD grouping. The expected member contribution generated by the board mandated UIM rates is calculated; this represents the UIM portion of the overall expected APD costs. The APD base rate is calculated net of these separate UIM charges. Due to the longevity of the UIM rates currently in use, Pool management has requested PwC to review the UIM rate adequacy.

PwC compared UIM contributions with UIM incurred loss during accident years 2012 through 2021. During that period, the loss ratio for vanpool UIM coverage has been 58.0%; this is higher than the non-vanpool UIM coverage loss ratio of 43.9% over the same period. The overall loss ratio for the UIM coverage during accident years 2012 through 2021 has been 50.4%. Table 10 presents the components of this comparison.

Table 10 – Indicated UIM rates

Component	Vanpool	Non-Vanpool	Total
1. Historical loss ratios using current rates	58.0%	43.9%	50.4%
2. Permissible loss ratio	64.2%	64.2%	64.2%
3. Indicated rate change [(1) / (2) – 1]	-10%	-32%	-21%
4. Current rate	0.0075	0.0060	
5. Indicated rate (4) x [1 + (3)]	0.0068	0.0041	

Reliance on data

The data used throughout this report is the responsibility of the Pool. PwC assumes no responsibility and makes no representations with respect to the accuracy or completeness of the information provided. While our work involved reviewing the data for reasonableness and consistency, our actuarial engagement does not include an audit in accordance with generally accepted auditing standards. To the extent that any changes are noted that could potentially have a material impact on our analysis, it is the responsibility of the Pool to notify us of these changes so that they may be properly reflected.

Data provided by the Pool included the following:

- Claim listing valued as of June 30, 2022
- Historical and projected exposures (total miles, mileage by mode, number of employees, automobile values, total insured property values)
- Deductibles by transit system, and year
- Self-insured retention history
- Estimates of 2023 non-claim expenses and other costs
- Other financial information of the Pool

Disclosures

Distribution and use

This report was prepared for internal use by the management of the Pool, and not for any other party. Use of this report for other than the stated purpose may be inappropriate. Distribution of this report to the Pool's external auditors is permitted with the understanding that the report will be distributed in its entirety and that the furnishing of this report is not a substitute for the auditor's own due diligence. Judgments as to the conditions, methods, and data contained in this report should be made only after studying the report in its entirety and understanding the reliance and limitations inherent in the analysis, as described in the subsequent sections. The use of parts of this report in isolation may result in erroneous or misleading conclusions. PwC is available to explain or elaborate upon the findings presented in this report, and it is assumed that users of this report will seek out such explanation on any matter in question. Further distribution of this report is not permitted without the written permission of PwC. Other use or further distribution of this report will not result in the creation of any duty or liability by PwC to a third party, and third parties should place no reliance on this report or data contained herein that would result in the creation of any duty or liability by PwC to the third party.

Qualifications of the actuaries

Stephen Higgins is a Senior Manager with PwC and is an Associate of the Casualty Actuarial Society. Kevin Wick is a Managing Director with PwC and is a Fellow of the Casualty Actuarial Society. Christine Kogut is a Principal with PwC and is a Fellow of the Casualty Actuarial Society. They are members in good standing of the American Academy of Actuaries. As such, they each meet the Qualification Standards of the American Academy of Actuaries to render the actuarial opinion contained herein.

Christine Kogut was the peer reviewer for this engagement.

Limitations

The projected ultimate liabilities and associated reserves for loss shown in this report are actuarial central estimates. As estimates, these values are subject to inherent variability. The possibility of this variability arises from the fact that all factors affecting the ultimate liability for loss have not taken place and cannot be evaluated with absolute certainty. Such factors may include, but are not limited to, unanticipated changes in claimant attitudes toward filing claims or settling claims, the long period over which claims may persist until settlement, and the potential for large claims. We have not anticipated any extraordinary changes in the legal, social, or economic environment which might affect the claim experience. Our estimates make no provision for the future emergence of new classes of losses or types of loss not sufficiently represented by historical loss experience or which are not yet quantifiable. We have, however, used methods of estimating reserve requirements that we believe produce reasonable results given current information. No guarantee, either express or implied, should be inferred that losses and loss adjustment expenses will develop as shown in this report.

Our work, using models, has the intended purpose of estimating unpaid claims, projecting future losses and estimating contribution rates. There are various assumptions developed and used within our models. These include: the reliance on loss development factors, the selection of expected loss rates, and the selection of ultimate losses from among various methods. These assumptions are not materially inconsistent. The aggregation of assumptions within the individual models described within this report yields reasonable output for the individual models. The aggregation of the models yields reasonable output for the intended purpose.

Some assumptions material to this analysis were made concerning projected exposures. Projected mileage, number of employees, automobile values, and insured property values for accident year 2023 reflect WSTIP's expected membership and exposure levels as of June 30, 2022. To the extent the growth of the Pool is greater or less than the current projection for accident year 2023, the exposures and the associated loss estimates will need to be adjusted.

The most recent evaluation of losses available for this report is June 30, 2022. Since estimated reserves as of December 31, 2022 are desired, payments from July 1 to December 31 were estimated. To the extent these estimates vary from

actual payments, estimated reserves will vary. This estimation procedure, therefore, further increases the variability of our results.

PwC completed a target capital review for the Pool using data valued as of December 31, 2020. The target funding ranges used in this report are based on that study. We have assumed that much of WSTIP's projected risk profile as of the current actuarial study is comparable to their risk profile as of the 2020 year-end.

COVID-19 was declared a pandemic by the World Health Organization (WHO) on March 11, 2020. The degree to which WSTIP's claims are impacted is highly uncertain. The unprecedented nature of the pandemic, its potential impact on claims experience, and the uncertainty associated with actions to temper its impact increase the uncertainty.

Methodology

Ultimate loss estimation

The ultimate loss estimates in this analysis are valued as of June 30, 2022. In developing the loss reserve estimates shown in this report, PwC first projected net paid and incurred losses to estimated ultimate values using several actuarial methods. A selected ultimate value based on the results of the various projection methods was derived by reviewing the various ultimate estimates and applying actuarial judgment to achieve a reasonable point estimate for the ultimate liability.

The following actuarial methods used in estimating ultimate losses:

- Paid loss development
- Incurred loss development
- Loss per exposure
- Bornhuetter-Ferguson using exposures and paid loss
- Bornhuetter-Ferguson using exposures and incurred loss

Paid loss development assumes that the ratio of losses paid in one period to losses paid in an earlier period is approximately constant over time. For example, if, on average, paid losses at 24 months after the start of the year were 150% of losses at 12 months, loss development from 12 to 24 months is projected to be 50%. Similarly, if losses at 36 months were 120% of losses at 24 months, then the combined loss development from 12 to 36 months is projected to be 80% ($1.50 \times 1.20 = 1.80$). The process of estimating period-to-period development factors is normally continued until a level of maturity is reached at which point no additional movement is expected.

Incurred loss development is similar to paid loss development but uses incurred losses (paid loss plus case loss reserves) instead of paid losses.

Loss per exposure is used to estimate ultimate loss by multiplying the exposures to loss by estimated losses per exposure. In the loss per exposure method, loss per exposure estimates for several of the more mature years are based on ultimate losses selected from indications of the development methods. These losses are divided by loss exposures to produce losses per exposure for these older years. The losses per exposure are trended to more recent years and then multiplied by exposures to yield ultimate loss estimates for the more recent years.

The Bornhuetter-Ferguson technique based on exposures and paid loss is a variation on the traditional development approach. The basic premise underlying this technique is that loss varies proportionately with exposures. Losses per exposures are selected based on historical loss experience and resulting trends. This is balanced by assuming that only future losses will develop at this rate. The percent of paid loss to ultimate loss implied from the paid loss development method is used to determine what percentage of ultimate loss is yet to be developed. Current losses are added to losses yet to be developed, yielding an estimate for each year. This method is also performed using incurred losses instead of paid losses.

The loss per exposure and Bornhuetter-Ferguson approaches are particularly useful for the more recent years because of their relative stability compared with that of development techniques. Paid loss development factors, in particular, can be very large for the most recent years; a relatively small change in the reporting or payment pattern could significantly distort the calculated result.

The Pool's 2009 net ultimate loss for liability also incorporated Pierce Transit's estimated net losses (i.e. Pool losses net of Pierce's \$1 million deductible). The analysis of each of the coverage lines is based on data that is net of member deductibles and net of the Pool's self-insured retentions.

Unallocated loss adjustment expense estimation

Unallocated loss adjustment expenses were estimated using a method based on the ratio of paid ULAE to paid loss and ALAE. A selected ULAE to loss and ALAE ratio is applied to loss and ALAE reserves, making the assumption that some of ULAE payments are made when a claim is reported and the remaining part as the claim is paid. Therefore, the whole ratio is applied to "pure" IBNR reserves, while only a portion of the ratio is applied to development on reported claims. Two scenarios were constructed using the assumptions that 0% and 100% of the estimated IBNR loss reserves is attributable

to IBNR claims. Based on the range of estimates provided, a total ULAE reserve was selected. Once the ULAE reserve was estimated, the ratio of the ULAE reserve to the loss and ALAE reserve could be calculated.

Projected future losses

The projected future ultimate losses were estimated at several retention levels based on a loss per exposure approach. Using the Pool provided exposures and limited ultimate loss estimates from prior accident years (limited to \$1 million for auto liability and to \$250,000 for general liability), historical estimated loss rates were calculated. For auto liability (mileage) it was assumed that average costs would exceed annual increases in mileage by 3% per year. For general liability (number of employees), it was assumed that loss costs would increase at a rate of 4% per year. Based on the historical indications and trends, estimated losses per exposure were projected for the prospective year at the respective limited retention levels. Projected exposures were then multiplied by the projected loss rates and increased limits factors to estimate ultimate loss at the various retention levels.

In estimating future losses, no adjustment was made for the liability deductibles. Auto liability deductibles have not been offered since 2007. A \$5,000 deductible is available for public officials liability, but this type of claim has been infrequent historically.

For first-party losses, the method used to project losses was similar to that utilized to estimate liability losses. However, due to the fact that the first-party claims data is net of deductibles, the Pool’s estimated exposure (vehicle/property values) was adjusted for the varying deductible levels within the membership. In this manner, first-party loss rates gross of deductibles could be estimated and trended to current levels. Historical loss rates were calculated based on current estimates of ultimate loss. Based on these indications, estimated loss rates were selected for the prospective years. The exposure bases for both property (insured values) and auto physical damage (vehicle values) are inflation sensitive. As such, no other trend rate was used in the loss rate estimation. It was assumed that loss costs would increase at the same rate as the exposure bases used. The loss rates were then adjusted to the expected retention level. Multiplying the projected loss rate by the projected exposure (and increased limits factors) results in the projected ultimate loss.

Rating system

The overall framework for the Pool’s member assessments is as follows:

$$\text{Indicated assessment} = \text{Exposures} \times \text{Base rates} \times \text{Experience mod factors} \\ \times \text{Deductible factors} + \text{Other rating cost components}$$

Exposures

The exposure (mileage, number of employees, property values, and vehicle insured values) assumptions by member are provided by the Pool.

Base rates

Base rates are calculated on Exhibit 8-1 and presented in column (2) of the rate assessment calculation exhibit.

Experience modification factors

Experience modification factors are calculated on the rate assessment calculation exhibits. The experience rating formula uses the most recently completed three years of liability losses. First party losses are not experience rated. The member’s actual three-year losses are compared to their expected three-year losses. The expected loss level is determined by multiplying the member’s mileage and FTE counts during the period by the Pool average loss rate. A member’s relative loss experience (actual loss divided by expected loss) is compared to that member’s prior modification factor in order to determine the final experience modification factor.

In order to promote stability, various risk-sharing mechanisms have been implemented throughout the formula:

1. In measuring loss experience, each single claim is capped. The size of the loss cap is determined by the size of the member as measured by the number of miles driven by each member during each individual loss year. The table below presents the loss limits for the four levels of mileage. The loss limit protects the individual member

from being too adversely impacted by a single claim.

Table 11 – Loss limits by levels of mileage

Annual miles during year	Loss limit
Over 15,000,000 miles	\$250,000
5,000,000 - 15,000,000 miles	100,000
1,000,000 - 5,000,000 miles	50,000
Less than 1,000,000 miles	25,000

2. A weighting system is used with the experience rating. The amount of weight given to the member’s most recent relative loss experience is determined as $E / (E + K)$ where E is the expected three-year loss level and K is a constant which varies for each size group of members. Smaller members are expected to have more volatile loss experience due to their size. The weighting scheme is designed to allow all members to be self-rated to the extent their experience is deemed credible. Table 12 presents the K-values for each size of member.

Table 12 – K-value by levels of mileage

Annual miles during year	K-value
Over 15,000,000 miles	4,800,000
5,000,000 - 15,000,000 miles	4,000,000
1,000,000 - 5,000,000 miles	2,500,000
Less than 1,000,000 miles	1,500,000

3. The experience modification factor is based on a weighted average between the current relative loss experience (using the weight $E / (E + K)$ from point 2 above) and the prior mod factor (using the complement of $E / (E + K)$). Under this system, if a member has consistent losses either above or below the expected loss level, their mod will continue to move towards their long-term average.

Deductible factors

The first step in calculating deductible factors is to estimate deductible credits (loss elimination ratios). These are “average” credits based on WSTIP and industry experience. Deductible credits are then adjusted for a risk load of 15%. To calculate the deductible factor, the deductible credit is then applied to the loss portion of the gross rate and then added to the non-loss portion of the gross rate.

As noted, deductible credits are “average” credits. The experience for an individual member may be different. This type of variation exposes WSTIP to issues regarding adverse selection. WSTIP should consider the fact that with a deductible program, the Pool will retain the more uncertain (higher layers) of the losses.

Other rating cost components

Other rating cost components are parts of the overall rate assessment that are charged directly to specific members depending on participation. These types of costs include premium for underground storage tank liability insurance, crime and fidelity premium, Origami licenses, Driver Record Monitoring Program costs, premium for pollution liability, and UIM premium.

UIM premium rates for van pool (\$0.0075 per mile) and non-van pool (\$0.0060 per mile) are mandated by WSTIP Board policy. As part of this report, PwC reviewed the adequacy of the Pool’s current UIM rates. UIM contributions were compared with UIM incurred loss during accident years 2012 through 2021. Aggregate loss ratios were broken out for vanpool UIM, non-vanpool UIM, and the overall UIM coverage. A permissible loss ratio (PLR), which is a target loss ratio based on WSTIP’s desired return on equity for UIM, was calculated. The equation for the UIM permissible loss ratio is:

$$1 - \text{the percentage of expected UIM expenses.}$$

For UIM, the expenses included in the PLR are administrative expense, interest and other income, and a contribution to equity. Given the lower loss limits for UIM, the APD excess insurance expense was assumed to be carried entirely by the non-UIM portion of the coverage. The indicated rate change is:

[the historical loss ratio using current rates / the permissible loss ratio] – 1.

In this current report, APD losses including UIM are projected. The member contribution generated for UIM was determined using the board mandated UIM rates, and is assumed to be the UIM portion of the overall APD costs. The APD base rate is lowered accordingly to reflect these separate UIM charges.

Other rating information

The experience modification factors and the rates are rounded so that the indicated premium assessments presented in the rate assessment calculation exhibits are easier to follow.

The rates are then balanced to force the targeted overall contribution level to be collected. This year the balancing factor used in the calculation is approximately 0.6%.

Conclusion

We appreciate the opportunity to provide our services to Washington State Transit Insurance Pool. We hope this analysis provides useful guidance. We are available to answer questions on the material presented in this report.

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Washington State Transit Insurance Pool

Summary of Claim Liability Estimates

	December-21 <u>Estimate</u>	June-22 <u>Estimate</u>	December-22 <u>Estimate</u>
(1) Case Reserves	\$13,053,723	\$14,268,471	
(2) IBNR Reserves	7,674,345	7,999,994	
(3) Unpaid Loss and ALAE [(1)+(2)]	20,728,068	22,268,465	21,508,972
(4) ULAE Reserves	860,000	920,000	882,000
(5) Total Outstanding Claims Liability [(3)+(4)]	21,588,068	23,188,465	22,390,972

1. December 31, 2021 figures were from the December 2021 PwC actuarial evaluation.
2. Line (1) was provided by WSTIP.
3. Line (2) for June 2022 is from Exhibit 1-3.
4. Line (3) for December 2022 is from Exhibit 2-1.
5. Line (4) for June 2022 is from line (11) of Exhibit 1-4. Line (4) for December 2022 is estimated based on line (12) of Exhibit 1-4 and line (3) for December 2022 (\$882,000 = 0.041 x \$21,508,972). Amounts have been rounded to the nearest thousand.

Washington State Transit Insurance Pool
2023 Projected Ultimate Loss at Various Confidence Levels
As of June 30, 2022

<u>Liability Ultimate Loss at \$2M per occurrence plus Property and APD Ultimate Loss at \$250,000 SIR</u>					
<u>Year</u>	<u>Expected</u>	60% <u>Confidence</u>	70% <u>Confidence</u>	80% <u>Confidence</u>	90% <u>Confidence</u>
	(1)	(2)	(3)	(4)	(5)
2023	\$9,411,603	\$9,221,024	\$10,780,039	\$12,662,417	\$15,650,909

<u>Liability Ultimate Loss at \$2.5M per occurrence plus Property and APD Ultimate Loss at \$250,000 SIR</u>					
<u>Year</u>	<u>Expected</u>	60% <u>Confidence</u>	70% <u>Confidence</u>	80% <u>Confidence</u>	90% <u>Confidence</u>
	(1)	(2)	(3)	(4)	(5)
2023	\$9,713,603	\$9,521,136	\$11,152,402	\$13,121,119	\$16,334,184

<u>Liability Ultimate Loss at \$3M per occurrence plus Property and APD Ultimate Loss at \$250,000 SIR</u>					
<u>Year</u>	<u>Expected</u>	60% <u>Confidence</u>	70% <u>Confidence</u>	80% <u>Confidence</u>	90% <u>Confidence</u>
	(1)	(2)	(3)	(4)	(5)
2023	\$9,937,603	\$9,738,941	\$11,402,443	\$13,451,566	\$16,881,298

<u>Liability Ultimate Loss at \$5M per occurrence plus Property and APD Ultimate Loss at \$250,000 SIR</u>					
<u>Year</u>	<u>Expected</u>	60% <u>Confidence</u>	70% <u>Confidence</u>	80% <u>Confidence</u>	90% <u>Confidence</u>
	(1)	(2)	(3)	(4)	(5)
2023	\$10,331,603	\$10,058,209	\$11,802,030	\$14,131,067	\$17,955,488

<u>Liability Ultimate Loss at \$2M per occurrence plus Property and APD Ultimate Loss at \$500,000 SIR</u>					
<u>Year</u>	<u>Expected</u>	60% <u>Confidence</u>	70% <u>Confidence</u>	80% <u>Confidence</u>	90% <u>Confidence</u>
	(1)	(2)	(3)	(4)	(5)
2023	\$9,513,603	\$9,321,443	\$10,892,113	\$12,805,561	\$15,849,001

1. The expected loss in column (1) is the sum of the 2023 ultimate loss estimates from Exhibit 3 and the estimated incurred ULAE for 2023, which is presented on line 18 of Exhibit 1-4. Projected Property and APD losses are for the period July 1, 2022 through June 30, 2023.
2. Confidence levels are based on a PwC simulation model.
3. The ultimate loss estimates are based on assumed mileage of 90,252,000 for 2023 and an assumed number of employees for 2023 of 5,956. To the extent that actual miles/number of employees differ from projected amounts, these ultimate loss estimates will need to be revised.

Washington State Transit Insurance Pool
All Coverages
As of June 30, 2022
Summary of Net Losses and Reserves - Net of Deductibles

Accident Year	Paid Loss (1)	Case Loss Reserves (2)	Incurred Loss (1)+(2) (3)	Indicated	Selected Ultimate Loss (5)	Total
				IBNR Loss Reserves (5)-(3) (4)		Loss Reserves (5)-(1) (6)
1989	\$269,382	\$0	\$269,382	\$0	\$269,382	\$0
1990	382,896	-	382,896	-	382,896	-
1991	419,226	-	419,226	-	419,226	-
1992	941,269	-	941,269	-	941,269	-
1993	1,634,572	-	1,634,572	-	1,634,572	-
1994	417,689	-	417,689	-	417,689	-
1995	1,658,029	-	1,658,029	-	1,658,029	-
1996	2,020,189	-	2,020,189	-	2,020,189	-
1997	1,555,534	-	1,555,534	-	1,555,534	-
1998	1,174,205	-	1,174,205	-	1,174,205	-
1999	1,545,291	-	1,545,291	-	1,545,291	-
2000	772,466	-	772,466	-	772,466	-
2001	1,271,883	-	1,271,883	-	1,271,883	-
2002	1,251,369	-	1,251,369	-	1,251,369	-
2003	1,194,476	-	1,194,476	-	1,194,476	-
2004	2,575,273	-	2,575,273	-	2,575,273	-
2005	2,234,868	-	2,234,868	-	2,234,868	-
2006	4,594,770	-	4,594,770	-	4,594,770	-
2007	2,440,307	-	2,440,307	-	2,440,307	-
2008	6,217,745	-	6,217,745	-	6,217,745	-
2009	4,458,669	-	4,458,669	-	4,458,669	-
2010	6,106,636	-	6,106,636	-	6,106,636	-
2011	7,589,461	-	7,589,461	-	7,589,461	-
2012	4,920,898	-	4,920,898	-	4,920,898	-
2013	6,351,571	-	6,351,571	-	6,351,571	-
2014	6,040,161	-	6,040,161	-	6,040,161	-
2015	6,674,777	-	6,674,777	16,836	6,691,613	16,836
2016	4,132,246	-	4,132,246	20,000	4,152,246	20,000
2017	5,016,167	752,613	5,768,780	85,224	5,854,004	837,837
2018	5,621,999	3,912,956	9,534,955	260,369	9,795,324	4,173,325
2019	4,947,241	4,339,927	9,287,168	835,507	10,122,675	5,175,434
2020	1,570,152	2,053,637	3,623,789	1,720,285	5,344,074	3,773,922
2021	1,416,277	1,317,343	2,733,620	2,899,380	5,633,000	4,216,723
2022	355,858	1,891,995	2,247,853	2,162,393	4,410,246	4,054,388
Total	\$99,773,552	\$14,268,471	\$114,042,023	\$7,999,994	\$122,042,017	\$22,268,465

1. Ultimate loss for accident year 2022 reflects the first six months only.
2. Amounts shown are the sum of the losses on Exhibit 1 from sections 4 through 7, plus actual losses and reserves for the vanpool medical expense coverage from Appendix C.

Confidential Information for the sole benefit and use of PwC's Client

Washington State Transit Insurance Pool
All Coverages Combined
As of June 30, 2022

Unallocated Loss Adjustment Expense Estimation

Calendar Year	Total Estimated Paid ULAE (1)	Net Paid Loss & ALAE (2)	Ratio (1)/(2) (3)		
2013	331,812	3,543,837	0.094		
2014	356,641	6,507,440	0.055		
2015	368,538	7,279,285	0.051		
2016	402,229	5,229,409	0.077		
2017	448,776	9,209,709	0.049		
2018	439,891	6,648,576	0.066		
2019	421,754	4,578,493	0.092		
2020	432,000	4,931,778	0.088		
2021	475,000	4,888,821	0.097		
Total	3,676,641	52,817,348	0.070		
(4) Selected Ratio			0.070	0.070	
			<u>0% IBNR</u>	<u>100% IBNR</u>	
(5) Estimated Total Loss & ALAE Reserves (6/30/22)			\$22,268,465	\$22,268,465	
(6) Estimated Loss & ALAE Reserves for Known Claims (6/30/22)			22,268,465	14,268,471	
(7) Estimated Loss & ALAE Reserves for IBNR Claims [(5) - (6)]			-	7,999,994	
(8) Estimated ULAE Reserve for Known Claims [(4) x (6) x (.5)]			779,396	499,396	
(9) Estimated ULAE Reserve for IBNR Claims [(4) x (7)]			-	560,000	
(10) Estimated Total ULAE Reserve [(8) + (9)]			779,396	1,059,396	
(11) Selected Total ULAE Reserve as of June 30, 2022			920,000		
(12) Ratio of ULAE Reserves to Loss & ALAE Reserves [(11) / ((5))]			4.1%		
(13) Estimated 2023 Calendar Year Paid Loss			9,417,604		
(14) Estimated 2023 ULAE Payments [(4) x (13)]			659,232		
(15) Accident Year 2023 Ultimate Loss			8,792,500		
(16) Change in Reserves from January 1, 2023 through December 31, 2023 [(15) - (13)]			(625,104)		
(17) Change in ULAE Reserves during calendar year 2023 [(12) x (16)]			(25,629)		
(18) Estimated Incurred ULAE for 2023 [(14) + (17)]			633,603		

1. Column (1) was provided by WSTIP.
2. Lines (5) and (6) are from Exhibit 1-3, total column (6) and total column (2), respectively.
3. Lines (13) and (15) are from Exhibit 2-2.

Washington State Transit Insurance Pool

Summary of Net Reserves

As of June 30, 2022

(1)	Total Net Loss Reserves as of June 30, 2022:	\$22,268,465
(2)	Estimated Net Ultimate Loss July 1, 2022 through December 31, 2022:	3,962,754
(3)	Estimated Net Paid Loss July 1, 2022 through December 31, 2022:	4,722,247
(4)	Total Net Loss Reserves as of December 31, 2022 [(1)+(2)-(3)]:	21,508,972

1. Amounts are net of member deductibles.
2. Line (1) is the sum of total column (6) from Exhibits 4-1, 5-1, 6-1 and 7-1.
3. Line (2) is based on column (5), accident year 2022 of Exhibits 4-1, 5-1, 6-1 and 7-1. The estimate is not equal to one-half of the full year estimate due to property having more than expected losses during the first half of the year.
4. Line (3) is total column (4) from Exhibit 2-2.

Washington State Transit Insurance Pool
All Coverages Combined
As of June 30, 2022

Estimated Payments for Calendar Years 2022 through 2027

Accident Year	Estimated Ultimate Loss (1)	Cumulative Paid Loss (2)	Unpaid Losses (1)-(2) (3)	Calendar Payment Year					
				7/22-12/22 (4)	1/23-12/23 (5)	1/24-12/24 (6)	1/25-12/25 (7)	1/26-12/26 (8)	1/27-12/27 (9)
Prior	\$57,647,103	\$57,647,103	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2013	6,351,571	6,351,571	-	-	-	-	-	-	-
2014	6,040,161	6,040,161	-	-	-	-	-	-	-
2015	6,691,613	6,674,777	16,836	2,105	4,209	4,209	3,157	2,105	1,052
2016	4,152,246	4,132,246	20,000	2,000	4,000	4,000	4,000	3,000	2,000
2017	5,854,004	5,016,167	837,837	157,095	209,460	104,730	104,730	104,730	78,548
2018	9,795,324	5,621,999	4,173,325	1,104,704	1,472,938	490,980	245,490	245,490	245,490
2019	10,122,675	4,947,241	5,175,434	1,212,993	1,940,788	970,394	323,465	161,732	161,732
2020	5,344,074	1,570,152	3,773,922	654,660	1,232,301	924,226	462,113	154,038	77,019
2021	5,633,000	1,416,277	4,216,723	693,160	1,184,149	924,214	693,160	346,580	115,527
2022	8,373,000	355,858	8,017,142	895,532	1,918,997	1,748,419	1,364,620	1,023,465	511,733
Sub-total	126,004,771	99,773,552	26,231,219	4,722,247	7,966,841	5,171,171	3,200,734	2,041,139	1,193,100

Assuming \$2M SIR for Liability and \$250,000 SIR for Property and APD

2023	8,792,500	-	-	1,450,763	1,978,313	1,802,463	1,406,800	1,055,100
Total	134,797,271			9,417,604				

Assuming \$2.5M SIR for Liability and \$250,000 SIR for Property and APD

2023	9,094,500	-	-	1,500,593	2,046,263	1,864,373	1,455,120	1,091,340
Total	135,099,271			9,467,434				

Assuming \$3M SIR for Liability and \$250,000 SIR for Property and APD

2023	9,318,500	-	-	1,537,553	2,096,663	1,910,293	1,490,960	1,118,220
Total	135,323,271			9,504,394				

Assuming \$5M SIR for Liability and \$250,000 SIR for Property and APD

2023	9,712,500	-	-	1,602,563	2,185,313	1,991,063	1,554,000	1,165,500
Total	135,717,271			11,020,167				

Assuming \$2M SIR for Liability and \$500,000 SIR for Property and APD

2023	8,896,000	-	-	1,467,840	2,001,600	1,823,680	1,423,360	1,067,520
Total	134,900,771			9,434,681				

- Loss amounts are net of self-insured retentions and net of deductibles.
- Column (1) is the sum of the ultimate estimates from Exhibit 2 of sections 4 through 7 for all fiscal years through 2022. The 2023 line of column (1) is the sum of the estimated 2023 automobile and general liability ultimate losses from Exhibits 3-1 and 3-2 and the estimated calendar year 2023 property and APD ultimate losses based on Exhibits 3-3 and 3-4.
- Column (2) is the sum of column (1) from Exhibit 1 of sections 4 through 7.
- Columns (4) through (9) are based on columns (1) and (2) and the payment pattern on Exhibit 2-3.
- Amounts in column (4) represent expected payments during the period from 7/1/22 through 12/31/22.
- The estimated totals shown in columns (4) through (9) should be considered highly variable due to the timing and volatility of potential settlement amounts for several large, open claims.

Washington State Transit Insurance Pool
All Coverages Combined
As of June 30, 2022

Payment Pattern

<u>Months of Development</u>	<u>Payment Pattern</u>	<u>Cumulative Payment Pattern</u>
6	6.00%	6.00%
18	21.00%	27.00%
30	24.00%	51.00%
42	17.00%	68.00%
54	15.00%	83.00%
66	9.00%	92.00%
78	3.00%	95.00%
90	1.00%	96.00%
102	1.00%	97.00%
114	1.00%	98.00%
126	1.00%	99.00%
138	0.50%	99.50%
150	0.50%	100.00%

1. The payment pattern is based on a review of the historical relationship between cumulative paid loss and ultimate loss.

Washington State Transit Insurance Pool
 Automobile Liability
 As of June 30, 2022
 Estimated Ultimate Loss and Loss Rates for Accident Year 2023

Accident Year	Miles (000's) (1)	Net Ultimate Loss (2)	Loss Amounts in Excess of \$1 Million (2)-(4) (3)	Ultimate Loss Limited to \$1 Million (4)	Trend Factor to 2023 (5)	Trended Ultimate Loss (4)x(5) (6)	Trended Loss Rate (6)/(1) (7)	Loss Rate (4)/(1) (8)
1989	14,925	\$269,382	\$0	\$269,382	2.732	\$735,926	\$49.3	\$18.0
1990	17,084	346,156	0	346,156	2.652	918,122	53.7	20.3
1991	20,065	401,823	0	401,823	2.575	1,034,727	51.6	20.0
1992	20,448	841,170	0	841,170	2.500	2,102,993	102.8	41.1
1993	22,570	1,355,520	0	1,355,520	2.427	3,290,203	145.8	60.1
1994	25,778	368,177	0	368,177	2.357	867,633	33.7	14.3
1995	30,895	1,253,688	0	1,253,688	2.288	2,868,347	92.8	40.6
1996	36,939	1,595,970	0	1,595,970	2.221	3,545,111	96.0	43.2
1997	38,650	982,360	0	982,360	2.157	2,118,549	54.8	25.4
1998	41,742	654,689	0	654,689	2.094	1,370,773	32.8	15.7
1999	43,736	1,006,796	0	1,006,796	2.033	2,046,609	46.8	23.0
2000	37,129	652,955	0	652,955	1.974	1,288,663	34.7	17.6
2001	38,150	971,336	0	971,336	1.916	1,861,180	48.8	25.5
2002	40,006	1,151,646	0	1,151,646	1.860	2,142,401	53.6	28.8
2003	44,389	631,008	0	631,008	1.806	1,139,671	25.7	14.2
2004	51,857	2,398,764	0	2,398,764	1.754	4,206,247	81.1	46.3
2005	61,326	1,780,888	0	1,780,888	1.702	3,031,843	49.4	29.0
2006	67,961	3,804,889	0	3,804,889	1.653	6,288,902	92.5	56.0
2007	70,253	1,826,824	0	1,826,824	1.605	2,931,516	41.7	26.0
2008	76,286	5,585,474	1,010,995	4,574,479	1.558	7,126,889	93.4	60.0
2009	78,025	3,699,461	500,000	3,199,461	1.513	4,839,472	62.0	41.0
2010	95,229	5,018,136	0	5,018,136	1.469	7,369,302	77.4	52.7
2011	102,405	6,530,420	150,102	6,380,318	1.426	9,096,808	88.8	62.3
2012	95,224	3,569,726	241,038	3,328,688	1.384	4,607,683	48.4	35.0
2013	97,531	5,644,733	0	5,644,733	1.344	7,586,049	77.8	57.9
2014	97,397	5,234,714	623,091	4,611,623	1.305	6,017,122	61.8	47.3
2015	97,244	5,616,318	1,033,000	4,583,318	1.267	5,806,010	59.7	47.1
2016	97,845	3,650,119	20,000	3,630,119	1.230	4,464,588	45.6	37.1
2017	98,331	4,387,414	46,000	4,341,414	1.194	5,183,875	52.7	44.2
2018	100,853	7,342,907	385,000	6,957,907	1.159	8,066,121	80.0	69.0
2019	104,939	7,972,000	1,172,000	6,800,000	1.126	7,653,460	72.9	64.8
2020	79,998	3,248,000	198,000	3,050,000	1.093	3,332,817	41.7	38.1
2021	79,812	3,953,000	353,000	3,600,000	1.061	3,819,240	47.9	45.1
2022	91,326	6,072,000	722,000	5,350,000	1.030	5,510,500	60.3	58.6
Total	2,116,348	\$99,818,463	\$6,454,226	\$93,364,237		\$134,269,353		

10-Year Volume Weighted Average:	\$60.8
9-Year Volume Weighted Average:	58.8
8-Year Volume Weighted Average:	58.4
7-Year Volume Weighted Average:	58.2
6-Year Volume Weighted Average:	60.5
5-Year Volume Weighted Average:	62.1
4-Year Volume Weighted Average:	57.1
3-Year Volume Weighted Average:	50.4
Bornhuetter-Ferguson Seed:	59.7

Accident Year	Selected Loss Rate Limited to \$1 million (9)	Self-Insured Retention Assumption (10)	ILF to Retention Level (11)	Loss Layer (12)	Loss Rate In Layer (13)	WSTIP Loss Exposure (14)	Ultimate Loss In Layer (13)x(14) (15)	Cumulative Ultimate Loss By Retention Layer (16)
2023	\$61.5	\$1,000,000	1.000	\$0 to \$1M	\$61.5	90,252	5,550,000	5,550,000
2023	61.5	\$1,500,000	1.089	\$500K XS of \$1M	5.5	90,252	492,000	6,043,000
2023	61.5	\$2,000,000	1.155	\$500K XS of \$1.5M	4.1	90,252	368,000	6,411,000
2023	61.5	\$2,500,000	1.202	\$500K XS of \$2M	2.9	90,252	259,000	6,670,000
2023	61.5	\$3,000,000	1.236	\$500K XS of \$2.5M	2.1	90,252	191,000	6,861,000
2023	61.5	\$3,500,000	1.255	\$500K XS of \$3M	1.2	90,252	107,000	6,968,000
2023	61.5	\$5,000,000	1.292	\$1.5M XS of \$3.5M	2.3	90,252	204,000	7,172,000

- Column (2) is Exhibit 4-2, column (13).
- Column (4) is Exhibit 4-2, column (6).
- Column (11) is based on Pool size-of-loss information and is supplemented by industry size-of-loss information.
- Column (13) = Column (9) x [column (11) - lower layer of column (11)].
- Columns (1) and (14) were supplied by WSTIP.
- Column (16) = Column (15) + [lower layer from column (16)].
- Columns (15) and (16) are rounded to the nearest thousand.

Washington State Transit Insurance Pool
 General Liability
 As of June 30, 2022
 Estimated Ultimate Loss and Loss Rates for Accident Year 2023

Accident Year	Number of Employees (1)	Net Ultimate Loss (2)	Loss Amounts in Excess of \$250,000 (2)-(4) (3)	Ultimate Loss Limited to \$250,000 (4)	Trend Factor to 2023 (5)	Trended Ultimate Loss (4)x(5) (6)	Trended Loss Rate (6)/(1) (7)	Loss Rate (4)/(1) (8)
1990	845	\$36,740	\$0	\$36,740	3.648	\$134,042	\$158.6	\$43.5
1991	988	2,149	0	2,149	3.508	7,539	7.6	2.2
1992	1,008	97,141	0	97,141	3.373	327,670	325.1	96.4
1993	1,117	263,039	0	263,039	3.243	853,140	763.8	235.5
1994	1,275	49,255	0	49,255	3.119	153,609	120.5	38.6
1995	1,458	365,438	0	365,438	2.999	1,095,840	751.6	250.6
1996	1,835	268,985	0	268,985	2.883	775,583	422.7	146.6
1997	2,028	553,344	50,000	503,344	2.772	1,395,506	688.1	248.2
1998	2,070	459,806	45,000	414,806	2.666	1,105,805	534.2	200.4
1999	2,045	364,342	0	364,342	2.563	933,919	456.7	178.2
2000	1,841	27,970	0	27,970	2.465	68,938	37.4	15.2
2001	1,893	7,062	0	7,062	2.370	16,736	8.8	3.7
2002	2,073	96,211	0	96,211	2.279	219,243	105.8	46.4
2003	2,169	311,446	0	311,446	2.191	682,417	314.6	143.6
2004	2,743	19,087	0	19,087	2.107	40,213	14.7	7.0
2005	3,122	232,709	0	232,709	2.026	471,426	151.0	74.5
2006	3,199	315,126	0	315,126	1.948	613,834	191.9	98.5
2007	3,318	214,018	0	214,018	1.873	400,852	120.8	64.5
2008	3,444	454,330	0	454,330	1.801	818,223	237.6	131.9
2009	3,428	187,377	0	187,377	1.732	324,476	94.7	54.7
2010	4,190	480,296	85,266	395,030	1.665	657,754	157.0	94.3
2011	4,780	526,549	235,495	291,054	1.601	465,987	97.5	60.9
2012	4,521	864,448	311,363	553,085	1.539	851,449	188.3	122.3
2013	4,420	382,236	0	382,236	1.480	565,803	128.0	86.5
2014	4,477	453,848	0	453,848	1.423	645,967	144.3	101.4
2015	4,658	301,324	0	301,324	1.369	412,383	88.5	64.7
2016	4,934	187,357	0	187,357	1.316	246,549	50.0	38.0
2017	5,084	696,000	38,000	658,000	1.265	832,580	163.8	129.4
2018	5,236	1,201,000	651,000	550,000	1.217	669,159	127.8	105.0
2019	5,479	1,497,000	782,000	715,000	1.170	836,449	152.7	130.5
2020	5,252	1,793,000	913,000	880,000	1.125	989,880	188.5	167.6
2021	5,245	845,000	245,000	600,000	1.082	648,960	123.7	114.4
2022	5,672	1,011,000	311,000	700,000	1.040	728,000	128.3	123.4
Total	105,847	\$14,564,633	\$3,667,124	\$10,897,509		\$18,989,930		

10-Year Volume Weighted Average:	\$130.3
9-Year Volume Weighted Average:	130.5
8-Year Volume Weighted Average:	129.1
7-Year Volume Weighted Average:	134.2
6-Year Volume Weighted Average:	147.2
5-Year Volume Weighted Average:	144.0
4-Year Volume Weighted Average:	148.0
3-Year Volume Weighted Average:	146.4
Bornhuetter-Ferguson Seed:	145.6
4-Year Average Excluding the Most Recent Two Years:	158.2

Accident Year	Selected Loss Rate Limited to \$250,000 (9)	Self-Insured Retention Assumption (10)	ILF to Retention Level (11)	Loss Layer (12)	Loss Rate In Layer (13)	WSTIP Loss Exposure (14)	Ultimate Loss In Layer (13)x(14) (15)	Cumulative Ultimate Loss By Retention Layer (16)
2023	158.0	\$250,000	1.000	\$0 to \$250K	\$158.0	5,956	\$941,000	\$941,000
2023	158.0	\$1,000,000	1.371	\$750K XS of \$250K	58.6	5,956	349,000	1,290,000
2023	158.0	\$1,500,000	1.459	\$500K XS of \$1M	14.0	5,956	83,000	1,373,000
2023	158.0	\$2,000,000	1.519	\$500K XS of \$1.5M	9.4	5,956	56,000	1,429,000
2023	158.0	\$2,500,000	1.564	\$500K XS of \$2M	7.2	5,956	43,000	1,472,000
2023	158.0	\$3,000,000	1.599	\$500K XS of \$2.5M	5.5	5,956	33,000	1,505,000
2023	158.0	\$3,500,000	1.622	\$500K XS of \$3M	3.7	5,956	22,000	1,527,000
2023	158.0	\$5,000,000	1.687	\$1.5M XS of \$3.5M	10.3	5,956	61,000	1,588,000

- Column (2) is Exhibit 5-2, column (13).
- Column (4) is Exhibit 5-2, column (6).
- Column (11) is based on Pool size-of-loss information and is supplemented by industry size-of-loss information.
- Column (13) = Column (9) x [column (11) - lower layer of column (11)].
- Columns (1) and (14) were supplied by WSTIP.
- Column (16) = Column (15) + [lower layer from column (16)].
- Columns (15) and (16) are rounded to the nearest thousand.

Washington State Transit Insurance Pool
Auto Physical Damage
As of June 30, 2022
Estimated Ultimate Loss and Loss Rates for Accident Years 2022-23 and 2023-24

Accident Year	Vehicle Values (in millions) (1)	Net Ultimate Loss (2)	Trend Factor to 2022-23 (3)	Trended Ultimate Loss (2)x(3) (4)	Trended Loss Rate (4)/(1) (5)	Loss Rate (2)/(1) (6)
1991	73	\$15,254	1.000	\$15,254	\$209	\$209
1992	75	843	1.000	843	11	11
1993	78	12,425	1.000	12,425	159	159
1994	80	257	1.000	257	3	3
1995	82	10,352	1.000	10,352	126	126
1996	85	118,971	1.000	118,971	1,400	1,400
1997	87	14,293	1.000	14,293	164	164
1998	90	42,167	1.000	42,167	469	469
1999	93	160,070	1.000	160,070	1,721	1,721
2000	96	83,159	1.000	83,159	866	866
2001	98	274,723	1.000	274,723	2,803	2,803
2002	101	3,512	1.000	3,512	35	35
2003	104	247,908	1.000	247,908	2,384	2,384
2004	108	144,834	1.000	144,834	1,341	1,341
2005	111	221,271	1.000	221,271	1,993	1,993
2006	114	360,875	1.000	360,875	3,166	3,166
2007	118	287,471	1.000	287,471	2,436	2,436
2008	121	161,247	1.000	161,247	1,333	1,333
2009	132	530,076	1.000	530,076	4,016	4,016
2010	160	391,931	1.000	391,931	2,450	2,450
2011	185	334,946	1.000	334,946	1,811	1,811
2012	190	420,761	1.000	420,761	2,215	2,215
2013	196	202,544	1.000	202,544	1,033	1,033
2014	202	328,600	1.000	328,600	1,627	1,627
2015	208	747,192	1.000	747,192	3,592	3,592
2016	214	299,740	1.000	299,740	1,401	1,401
2017	221	425,124	1.000	425,124	1,924	1,924
2018	197	1,224,310	1.000	1,224,310	6,215	6,215
2019	199	630,544	1.000	630,544	3,169	3,169
2020	221	272,094	1.000	272,094	1,231	1,231
2021	258	815,000	1.000	815,000	3,159	3,159
2022	252	1,175,000	1.000	1,175,000	4,663	4,663
Total	4,549	\$9,957,494		\$9,957,494		

10-Year Volume Weighted Average:	\$2,823
9-Year Volume Weighted Average:	3,001
8-Year Volume Weighted Average:	3,158
7-Year Volume Weighted Average:	3,100
6-Year Volume Weighted Average:	3,369
5-Year Volume Weighted Average:	3,653
4-Year Volume Weighted Average:	3,110
3-Year Volume Weighted Average:	3,095
Bornhuetter-Ferguson Seed:	3,125

(7) Average APD Deductible Credit (\$250K Retention Level)	0.432
(8) Average APD Deductible Credit (\$500K Retention Level)	0.398

Accident Year	Selected Loss Rate Limited to \$250,000 (9)	Estimated Vehicle Values (in millions) (10)	Ultimate Loss Net of Deductible (\$250K SIR) (9)x(10) (11)	ILF to \$500K Retention Level (12)	Ultimate Loss Net of Deductible (\$500K SIR) (9)x(10)x(12) (13)	Ultimate Loss Gross of Deductible (\$250K SIR) (11)/(1-7) (14)	Ultimate Loss Gross of Deductible (\$500K SIR) (13)/(1-8) (15)
2022-23	\$3,125	263	\$822,000	1.086	\$892,000	\$1,446,296	\$1,480,663
2023-24	3,125	271	\$847,000	1.086	\$919,000	\$1,490,283	\$1,525,481

- Vehicle values in columns (1) and (10) are purchase prices adjusted for depreciation and APD deductibles. Actual and projected vehicle values were provided by the Pool.
- Column (2) is from Exhibit 6-2.
- Column (12) is based on Pool size-of-loss information and are supplemented by industry size-of-loss information.
- Columns (11) and (13) are rounded to the nearest thousand.
- Average deductible credits are estimated based on current exposure levels and deductible elections.
- 2023-24 estimated vehicle values are assumed to be 3% higher than those of 2022-23.

Washington State Transit Insurance Pool
Property
As of June 30, 2022
Estimated Ultimate Loss and Loss Rates for Accident Years 2022-23 and 2023-24

Accident Year	Property Value (in millions) (1)	Net Ultimate Loss (2)	Trend Factor to 2022-23 (3)	Trended Ultimate Loss (2)x(3) (4)	Trended Loss Rate (4)/(1) (5)	Loss Rate (2)/(1) (6)
1992	116	\$2,115	1.000	\$2,115	\$18	\$18
1993	120	3,588	1.000	3,588	30	30
1994	124	0	1.000	-	-	-
1995	127	28,551	1.000	28,551	225	225
1996	131	36,263	1.000	36,263	277	277
1997	135	5,537	1.000	5,537	41	41
1998	139	17,543	1.000	17,543	126	126
1999	143	14,083	1.000	14,083	98	98
2000	148	7,655	1.000	7,655	52	52
2001	152	18,762	1.000	18,762	123	123
2002	157	0	1.000	-	-	-
2003	161	4,114	1.000	4,114	26	26
2004	166	12,588	1.000	12,588	76	76
2005	171	0	1.000	-	-	-
2006	176	113,292	1.000	113,292	644	644
2007	181	107,728	1.000	107,728	595	595
2008	187	3,399	1.000	3,399	18	18
2009	206	32,199	1.000	32,199	156	156
2010	279	209,938	1.000	209,938	752	752
2011	311	188,334	1.000	188,334	606	606
2012	321	55,342	1.000	55,342	172	172
2013	330	118,833	1.000	118,833	360	360
2014	340	3,765	1.000	3,765	11	11
2015	350	20,830	1.000	20,830	60	60
2016	361	12,281	1.000	12,281	34	34
2017	372	327,484	1.000	327,484	880	880
2018	442	0	1.000	-	-	-
2019	460	5,657	1.000	5,657	12	12
2020	522	27,590	1.000	27,590	53	53
2021	563	0	1.000	-	-	-
2022	577	55,000	1.000	55,000	95	95
Total	7,968	\$1,432,471		\$1,432,471		

Volume Weighted Average:	\$180
10-Year Volume Weighted Average:	132
9-Year Volume Weighted Average:	114
8-Year Volume Weighted Average:	123
7-Year Volume Weighted Average:	130
6-Year Volume Weighted Average:	142
5-Year Volume Weighted Average:	34
4-Year Volume Weighted Average:	42
3-Year Volume Weighted Average:	50
Bornhuetter-Ferguson Seed:	175

(7) Average Property Deductible Credit (\$250K Retention Level)	0.246
(8) Average Property Deductible Credit (\$500K Retention Level)	0.193

Accident Year	Selected Loss Rate Limited to \$250,000 (9)	Estimated Property Value (in millions) (10)	Ultimate Loss Net of Deductible (\$250K SIR) (9)x(10) (11)	ILF to \$500K Retention Level (12)	Ultimate Loss Net of Deductible (\$500K SIR) (9)x(10)x(12) (13)	Ultimate Loss Gross of Deductible (\$250K SIR) (11)/[1-(7)] (14)	Ultimate Loss Gross of Deductible (\$500K SIR) (13)/[1-(8)] (15)
2022-23	\$175	665	\$116,000	1.273	\$148,000	\$153,781	\$183,409
2023-24	175	685	\$120,000	1.273	\$153,000	\$159,084	\$189,606

- Property values in columns (1) and (10) have been adjusted for property deductibles. Property values were provided by the Pool.
- Column (2) is from Exhibit 7-2.
- Column (12) is based on Pool size-of-loss information and are supplemented by industry size-of-loss information.
- Columns (11) and (13) are rounded to the nearest thousand.
- Average deductible credits are estimated based on current exposure levels and deductible elections.
- 2023-24 estimated property values are assumed to be 3% higher than those of 2022-23.

Washington State Transit Insurance Pool
Automobile Liability

Summary of Net Losses and Reserves - Net of Deductibles
As of June 30, 2022

Accident Year	Paid Loss	Case Loss Reserve	Incurred Loss (1) + (2)	IBNR Loss Reserves	Ultimate Loss (3) + (4)	Total Loss Reserves (2) + (4)	
						(1)	(2)
1989	\$ 269,382	\$ 0	\$ 269,382	\$ 0	\$ 269,382	\$ 0	\$ 0
1990	346,156	0	346,156	0	346,156	0	0
1991	401,823	0	401,823	0	401,823	0	0
1992	841,170	0	841,170	0	841,170	0	0
1993	1,355,520	0	1,355,520	0	1,355,520	0	0
1994	368,177	0	368,177	0	368,177	0	0
1995	1,253,688	0	1,253,688	0	1,253,688	0	0
1996	1,595,970	0	1,595,970	0	1,595,970	0	0
1997	982,360	0	982,360	0	982,360	0	0
1998	654,689	0	654,689	0	654,689	0	0
1999	1,006,796	0	1,006,796	0	1,006,796	0	0
2000	652,955	0	652,955	0	652,955	0	0
2001	971,336	0	971,336	0	971,336	0	0
2002	1,151,646	0	1,151,646	0	1,151,646	0	0
2003	631,008	0	631,008	0	631,008	0	0
2004	2,398,764	0	2,398,764	0	2,398,764	0	0
2005	1,780,888	0	1,780,888	0	1,780,888	0	0
2006	3,804,889	0	3,804,889	0	3,804,889	0	0
2007	1,826,824	0	1,826,824	0	1,826,824	0	0
2008	5,585,474	0	5,585,474	0	5,585,474	0	0
2009	3,699,461	0	3,699,461	0	3,699,461	0	0
2010	5,018,136	0	5,018,136	0	5,018,136	0	0
2011	6,530,420	0	6,530,420	0	6,530,420	0	0
2012	3,569,726	0	3,569,726	0	3,569,726	0	0
2013	5,644,733	0	5,644,733	0	5,644,733	0	0
2014	5,234,714	0	5,234,714	0	5,234,714	0	0
2015	5,599,482	0	5,599,482	16,836	5,616,318	16,836	16,836
2016	3,630,119	0	3,630,119	20,000	3,650,119	20,000	20,000
2017	3,588,801	752,613	4,341,414	46,000	4,387,414	798,613	798,613
2018	3,691,903	3,476,004	7,167,907	175,000	7,342,907	3,651,004	3,651,004
2019	3,149,157	4,188,803	7,337,960	634,040	7,972,000	4,822,843	4,822,843
2020	1,018,650	866,439	1,885,089	1,362,911	3,248,000	2,229,350	2,229,350
2021	788,031	782,134	1,570,165	2,382,835	3,953,000	3,164,969	3,164,969
2022	202,427	1,211,853	1,414,280	1,621,720	3,036,000	2,833,573	2,833,573
Total	\$ 79,245,275	\$ 11,277,846	\$ 90,523,121	\$ 6,259,342	\$ 96,782,463	\$ 17,537,188	\$ 17,537,188

1. Ultimate loss for accident year 2022 reflects the first six months only.

Confidential Information for the sole benefit and use of PwC's Client

PwC 2023 Rate Level Review as of 2022-06-30 on 2022-11-07

Washington State Transit Insurance Pool
Automobile Liability

Estimated Ultimate Loss Limited to Self-Insured Retention
As of June 30, 2022

Accident Year	Paid Loss Development	Incurred Loss Development	Loss per Exposure	Bornhuetter-Ferguson Using Exposures and Paid Loss	Bornhuetter-Ferguson Using Exposures and Incurred Loss	Selected Ultimate Loss Limited to \$1 Million	ILF to SIR	Expected Net Loss in Excess of \$1 Million (6) x [(7) - 1]	Percent of Net Loss Incurred in Excess of \$1 Million	Estimated IBNR in Excess of \$1 Million (8) x [1 - (9)]	Actual Net Incurred Loss in Excess of \$1 Million	Selected Net Loss in Excess of \$1 Million	Estimated Ultimate Loss at Pool Retention (6)+(12)
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
1989	\$ 269,382	\$ 269,382	\$ 323,873	\$ 269,382	\$ 269,382	\$ 269,382	1.000	\$ 0	100.00 %	\$ 0	\$ 0	\$ 0	\$ 269,382
1990	346,156	346,156	382,682	346,156	346,156	346,156	1.000	0	100.00 %	0	0	0	346,156
1991	401,823	401,823	463,502	401,823	401,823	401,823	1.000	0	100.00 %	0	0	0	401,823
1992	841,170	841,170	486,662	841,170	841,170	841,170	1.000	0	100.00 %	0	0	0	841,170
1993	1,355,520	1,355,520	552,965	1,355,520	1,355,520	1,355,520	1.000	0	100.00 %	0	0	0	1,355,520
1994	368,177	368,177	649,606	368,177	368,177	368,177	1.000	0	100.00 %	0	0	0	368,177
1995	1,253,688	1,253,688	803,270	1,253,688	1,253,688	1,253,688	1.000	0	100.00 %	0	0	0	1,253,688
1996	1,595,970	1,595,970	989,965	1,595,970	1,595,970	1,595,970	1.000	0	100.00 %	0	0	0	1,595,970
1997	982,360	982,360	1,066,740	982,360	982,360	982,360	1.000	0	100.00 %	0	0	0	982,360
1998	654,689	654,689	1,185,473	654,689	654,689	654,689	1.000	0	100.00 %	0	0	0	654,689
1999	1,006,796	1,006,796	1,281,465	1,006,796	1,006,796	1,006,796	1.000	0	100.00 %	0	0	0	1,006,796
2000	652,955	652,955	1,121,296	652,955	652,955	652,955	1.000	0	100.00 %	0	0	0	652,955
2001	971,336	971,336	1,186,465	971,336	971,336	971,336	1.000	0	100.00 %	0	0	0	971,336
2002	1,151,646	1,151,646	1,280,192	1,151,646	1,151,646	1,151,646	1.000	0	100.00 %	0	0	0	1,151,646
2003	631,008	631,008	1,464,837	631,008	631,008	631,008	1.000	0	100.00 %	0	0	0	631,008
2004	2,398,764	2,398,764	1,763,138	2,398,764	2,398,764	2,398,764	1.000	0	100.00 %	0	0	0	2,398,764
2005	1,780,888	1,780,888	2,146,410	1,780,888	1,780,888	1,780,888	1.000	0	100.00 %	0	0	0	1,780,888
2006	3,804,889	3,804,889	2,453,392	3,804,889	3,804,889	3,804,889	1.000	0	100.00 %	0	0	0	3,804,889
2007	1,826,824	1,826,824	2,613,412	1,826,824	1,826,824	1,826,824	1.000	0	100.00 %	0	0	0	1,826,824
2008	4,574,479	4,574,479	2,921,754	4,574,479	4,574,479	4,574,479	1.014	64,043	99.80 %	128	1,010,995	1,010,995	5,585,474
2009	3,199,461	3,199,461	3,081,988	3,199,461	3,199,461	3,199,461	1.014	44,792	99.70 %	134	500,000	500,000	3,699,461
2010	5,018,136	5,018,136	3,875,820	5,018,136	5,018,136	5,018,136	1.015	75,272	99.60 %	301	0	0	5,018,136
2011	6,380,318	6,380,318	4,290,770	6,380,318	6,380,318	6,380,318	1.003	19,141	99.40 %	115	150,102	150,102	6,530,420
2012	3,328,688	3,328,688	4,113,677	3,328,688	3,328,688	3,328,688	1.004	13,315	99.20 %	107	241,038	241,038	3,569,726
2013	5,672,957	5,644,733	4,340,130	5,666,326	5,644,733	5,644,733	1.005	28,224	98.80 %	339	0	0	5,644,733
2014	4,657,855	4,611,623	4,460,783	4,655,898	4,611,623	4,611,623	1.006	27,670	98.30 %	470	623,091	623,091	5,234,714
2015	4,661,671	4,583,318	4,589,917	4,660,465	4,583,318	4,583,318	1.146	669,164	97.50 %	16,729	1,016,164	1,033,000	5,616,318
2016	3,740,175	3,630,119	4,755,267	3,770,044	3,630,119	3,630,119	1.147	533,627	96.30 %	19,744	0	20,000	3,650,119
2017	3,827,020	4,341,414	4,926,383	3,895,452	4,341,414	4,341,414	1.195	846,576	94.60 %	45,715	0	46,000	4,387,414
2018	4,370,032	6,957,907	5,204,015	4,499,447	6,957,907	6,957,907	1.196	1,363,750	87.20 %	174,560	210,000	385,000	7,342,907
2019	4,596,124	7,001,432	5,572,261	4,903,435	6,901,722	6,800,000	1.197	1,339,600	74.10 %	346,956	825,000	1,172,000	7,972,000
2020	2,295,460	2,545,247	4,375,891	3,452,664	3,020,059	3,050,000	1.152	463,600	57.30 %	197,957	0	198,000	3,248,000
2021	2,906,944	2,762,408	4,493,416	4,063,346	3,509,503	3,600,000	1.153	550,800	36.00 %	352,512	0	353,000	3,953,000
2022	3,386,407	6,954,401	5,296,908	5,182,705	5,633,984	5,350,000	1.154	823,900	12.40 %	721,736	0	722,000	6,072,000
Total	\$ 84,909,768	\$ 93,827,725	\$ 88,514,320	\$ 89,544,905	\$ 93,629,505	\$ 93,364,237		\$ 6,863,474		\$ 1,877,504	\$ 4,576,390	\$ 6,454,226	\$ 99,818,463

1. Column (1) is from Exhibit 4-3.
2. Column (2) is from Exhibit 4-6.
3. Column (3) is from Exhibit 4-9.
4. Column (4) is from Exhibit 4-10.
5. Column (5) is from Exhibit 4-11.
6. Column (7) is based on Pool size-of-loss information and is supplemented by industry size-of-loss information.
7. Column (9) is based on the Pool's loss experience from the net layer in excess of \$1 million and on industry excess loss development patterns.
8. Column (11) was provided by the Pool.
9. Selected amounts in column (12) are based on a review of the actual experience and the excess experience that is expected to develop.

Washington State Transit Insurance Pool
Automobile Liability

Ultimate Loss Based on Paid Loss Development
As of June 30, 2022

Accident Year	Age (months)	Cumulative Paid Loss	Selected Development Factors	Cumulative Development Factors	Ultimate Loss (2) x (4)
(1)	(2)	(3)	(4)	(5)	
1989	402	\$ 269,382	1.000	1.000	\$ 269,382
1990	390	346,156	1.000	1.000	346,156
1991	378	401,823	1.000	1.000	401,823
1992	366	841,170	1.000	1.000	841,170
1993	354	1,355,520	1.000	1.000	1,355,520
1994	342	368,177	1.000	1.000	368,177
1995	330	1,253,688	1.000	1.000	1,253,688
1996	318	1,595,970	1.000	1.000	1,595,970
1997	306	982,360	1.000	1.000	982,360
1998	294	654,689	1.000	1.000	654,689
1999	282	1,006,796	1.000	1.000	1,006,796
2000	270	652,955	1.000	1.000	652,955
2001	258	971,336	1.000	1.000	971,336
2002	246	1,151,646	1.000	1.000	1,151,646
2003	234	631,008	1.000	1.000	631,008
2004	222	2,398,764	1.000	1.000	2,398,764
2005	210	1,780,888	1.000	1.000	1,780,888
2006	198	3,804,889	1.000	1.000	3,804,889
2007	186	1,826,824	1.000	1.000	1,826,824
2008	174	4,574,479	1.000	1.000	4,574,479
2009	162	3,199,461	1.000	1.000	3,199,461
2010	150	5,018,136	1.000	1.000	5,018,136
2011	138	6,380,318	1.000	1.000	6,380,318
2012	126	3,328,688	1.000	1.000	3,328,688
2013	114	5,644,733	1.005	1.005	5,672,957
2014	102	4,611,623	1.005	1.010	4,657,855
2015	90	4,583,318	1.007	1.017	4,661,671
2016	78	3,630,119	1.013	1.030	3,740,175
2017	66	3,588,801	1.035	1.066	3,827,020
2018	54	3,691,903	1.110	1.184	4,370,032
2019	42	3,149,157	1.233	1.459	4,596,124
2020	30	1,018,650	1.544	2.253	2,295,460
2021	18	788,031	1.637	3.689	2,906,944
2022	6	202,427	4.535	16.729	3,386,407
Total		\$ 75,703,885			\$ 84,909,768

1. Loss amounts are net of deductibles and limited to \$1 Million per occurrence.

Confidential Information for the sole benefit and use of PwC's Client

PwC 2023 Rate Level Review as of 2022-06-30 on 2022-11-07

Washington State Transit Insurance Pool Automobile Liability

Paid Loss - Cumulative As of June 30, 2022

Accident Year	6	18	30	42	54	66	78	90	102	114	126	138	150	162	174	186	198	210	222	234	246	258	270	282	294	306	318	330	342	354	366	378	390	402		
1989																					269,382	269,382	269,382	269,382	269,382	269,382	269,382	269,382	269,382	269,382	269,382	269,382	269,382	269,382		
1990																				346,156	346,156	346,156	346,156	346,156	346,156	346,156	346,156	346,156	346,156	346,156	346,156	346,156	346,156	346,156		
1991																			401,823	401,823	401,823	401,823	401,823	401,823	401,823	401,823	401,823	401,823	401,823	401,823	401,823	401,823	401,823	401,823		
1992																	841,169	841,169	841,170	841,170	841,170	841,170	841,170	841,170	841,170	841,170	841,170	841,170	841,170	841,170	841,170	841,170	841,170			
1993																	1,355,520	1,355,520	1,355,520	1,355,520	1,355,520	1,355,520	1,355,520	1,355,520	1,355,520	1,355,520	1,355,520	1,355,520	1,355,520	1,355,520	1,355,520	1,355,520	1,355,520			
1994																	368,178	368,178	368,177	368,177	368,177	368,177	368,177	368,177	368,177	368,177	368,177	368,177	368,177	368,177	368,177	368,177	368,177			
1995																	1,253,688	1,253,688	1,253,688	1,253,688	1,253,688	1,253,688	1,253,688	1,253,688	1,253,688	1,253,688	1,253,688	1,253,688	1,253,688	1,253,688	1,253,688	1,253,688	1,253,688			
1996																	1,595,970	1,595,970	1,595,970	1,595,970	1,595,970	1,595,970	1,595,970	1,595,970	1,595,970	1,595,970	1,595,970	1,595,970	1,595,970	1,595,970	1,595,970	1,595,970	1,595,970	1,595,970		
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1. Loss amounts are net of deductibles and limited to \$1 Million per occurrence.

Washington State Transit Insurance Pool
Automobile Liability

Ultimate Loss Based on Incurred Loss Development
As of June 30, 2022

Accident Year	Age (months)	Cumulative Incurred Loss	Selected Development Factors	Cumulative Development Factors	Ultimate Loss (2) x (4)
(1)	(2)	(3)	(4)	(5)	
1989	402	\$ 269,382	1.000	1.000	\$ 269,382
1990	390	346,156	1.000	1.000	346,156
1991	378	401,823	1.000	1.000	401,823
1992	366	841,170	1.000	1.000	841,170
1993	354	1,355,520	1.000	1.000	1,355,520
1994	342	368,177	1.000	1.000	368,177
1995	330	1,253,688	1.000	1.000	1,253,688
1996	318	1,595,970	1.000	1.000	1,595,970
1997	306	982,360	1.000	1.000	982,360
1998	294	654,689	1.000	1.000	654,689
1999	282	1,006,796	1.000	1.000	1,006,796
2000	270	652,955	1.000	1.000	652,955
2001	258	971,336	1.000	1.000	971,336
2002	246	1,151,646	1.000	1.000	1,151,646
2003	234	631,008	1.000	1.000	631,008
2004	222	2,398,764	1.000	1.000	2,398,764
2005	210	1,780,888	1.000	1.000	1,780,888
2006	198	3,804,889	1.000	1.000	3,804,889
2007	186	1,826,824	1.000	1.000	1,826,824
2008	174	4,574,479	1.000	1.000	4,574,479
2009	162	3,199,461	1.000	1.000	3,199,461
2010	150	5,018,136	1.000	1.000	5,018,136
2011	138	6,380,318	1.000	1.000	6,380,318
2012	126	3,328,688	1.000	1.000	3,328,688
2013	114	5,644,733	1.000	1.000	5,644,733
2014	102	4,611,623	1.000	1.000	4,611,623
2015	90	4,583,318	1.000	1.000	4,583,318
2016	78	3,630,119	1.000	1.000	3,630,119
2017	66	4,341,414	1.000	1.000	4,341,414
2018	54	6,957,907	1.000	1.000	6,957,907
2019	42	6,512,960	1.075	1.075	7,001,432
2020	30	1,885,089	1.256	1.350	2,545,247
2021	18	1,570,165	1.303	1.759	2,762,408
2022	6	1,414,280	2.795	4.917	6,954,401
Total		\$ 85,946,731			\$ 93,827,725

1. Loss amounts are net of deductibles and limited to \$1 Million per occurrence.

Confidential Information for the sole benefit and use of PwC's Client

PwC 2023 Rate Level Review as of 2022-06-30 on 2022-11-07

Washington State Transit Insurance Pool
Automobile Liability

Incurred Loss - Cumulative
As of June 30, 2022

Accident Year	6	18	30	42	54	66	78	90	102	114	126	138	150	162	174	186	198	210	222	234	246	258	270	282	294	306	318	330	342	354	366	378	390	402							
1989																					269,382	269,382	269,382	269,382	269,382	269,382	269,382	269,382	269,382	269,382	269,382	269,382	269,382	269,382	269,382						
1990																				346,156	346,156	346,156	346,156	346,156	346,156	346,156	346,156	346,156	346,156	346,156	346,156	346,156	346,156	346,156	346,156						
1991																			401,823	401,823	401,823	401,823	401,823	401,823	401,823	401,823	401,823	401,823	401,823	401,823	401,823	401,823	401,823	401,823	401,823						
1992																	841,169	841,169	841,170	841,170	841,170	841,170	841,170	841,170	841,170	841,170	841,170	841,170	841,170	841,170	841,170	841,170	841,170	841,170	841,170						
1993																	1,355,520	1,355,520	1,355,520	1,355,520	1,355,520	1,355,520	1,355,520	1,355,520	1,355,520	1,355,520	1,355,520	1,355,520	1,355,520	1,355,520	1,355,520	1,355,520	1,355,520	1,355,520	1,355,520						
1994																	368,178	368,178	368,177	368,177	368,177	368,177	368,177	368,177	368,177	368,177	368,177	368,177	368,177	368,177	368,177	368,177	368,177	368,177	368,177						
1995																	1,253,688	1,253,688	1,253,688	1,253,688	1,253,688	1,253,688	1,253,688	1,253,688	1,253,688	1,253,688	1,253,688	1,253,688	1,253,688	1,253,688	1,253,688	1,253,688	1,253,688	1,253,688	1,253,688	1,253,688					
1996																	1,595,970	1,595,970	1,595,970	1,595,970	1,595,970	1,595,970	1,595,970	1,595,970	1,595,970	1,595,970	1,595,970	1,595,970	1,595,970	1,595,970	1,595,970	1,595,970	1,595,970	1,595,970	1,595,970	1,595,970					
1997																				982,360	982,360	982,360	982,360	982,360	982,360	982,360	982,360	982,360	982,360	982,360	982,360	982,360	982,360	982,360	982,360	982,360	982,360				
1998																				654,689	654,689	654,689	654,689	654,689	654,689	654,689	654,689	654,689	654,689	654,689	654,689	654,689	654,689	654,689	654,689	654,689	654,689				
1999																				1,003,628	1,003,628	1,006,796	1,006,796	1,006,796	1,006,796	1,006,796	1,006,796	1,006,796	1,006,796	1,006,796	1,006,796	1,006,796	1,006,796	1,006,796	1,006,796	1,006,796	1,006,796				
2000																				652,955	652,955	652,955	652,955	652,955	652,955	652,955	652,955	652,955	652,955	652,955	652,955	652,955	652,955	652,955	652,955	652,955	652,955				
2001																				971,336	971,336	971,336	971,336	971,336	971,336	971,336	971,336	971,336	971,336	971,336	971,336	971,336	971,336	971,336	971,336	971,336	971,336				
2002																				1,161,497	1,161,679	1,181,179	1,182,029	1,187,332	1,141,911	1,151,646	1,151,646	1,151,646	1,151,646	1,151,646	1,151,646	1,151,646	1,151,646	1,151,646	1,151,646	1,151,646	1,151,646				
2003																				622,758	629,984	629,983	630,241	630,510	630,570	630,570	630,858	630,933	631,008	631,008	631,008	631,008	631,008	631,008	631,008	631,008					
2004																				2,392,984	2,393,292	2,393,679	2,396,921	2,396,921	2,396,857	2,396,857	2,398,764	2,398,764	2,398,764	2,398,764	2,398,764	2,398,764	2,398,764	2,398,764	2,398,764	2,398,764	2,398,764				
2005																				1,597,896	1,701,116	1,779,830	1,780,888	1,780,888	1,780,888	1,780,888	1,780,888	1,780,888	1,780,888	1,780,888	1,780,888	1,780,888	1,780,888	1,780,888	1,780,888	1,780,888	1,780,888	1,780,888			
2006																				2,927,931	3,558,100	3,785,448	3,851,827	3,829,728	3,874,728	3,914,932	3,834,780	3,805,476	3,805,476	3,804,889	3,804,889	3,804,889	3,804,889	3,804,889	3,804,889	3,804,889	3,804,889	3,804,889			
2007																				1,048,949	1,403,644	1,858,317	1,924,094	2,033,925	1,966,832	1,854,020	1,831,091	1,831,091	1,831,091	1,826,824	1,826,824	1,826,824	1,826,824	1,826,824	1,826,824	1,826,824	1,826,824				
2008																				1,583,011	3,011,017	3,380,299	3,412,372	3,904,587	3,607,525	3,599,289	4,657,803	4,587,773	4,576,194	4,574,479	4,574,479	4,574,479	4,574,479	4,574,479	4,574,479	4,574,479	4,574,479				
2009																				1,305,757	2,416,191	3,092,026	3,219,430	3,219,948	3,217,905	3,169,926	3,231,152	3,236,152	3,226,596	3,199,553	3,199,461	3,199,461	3,199,461	3,199,461	3,199,461	3,199,461	3,199,461	3,199,461			
2010																				1,077,976	2,980,425	3,976,497	4,968,680	5,361,125	4,990,727	5,023,396	5,024,937	5,018,790	5,018,516	5,018,152	5,018,152	5,018,152	5,018,152	5,018,152	5,018,152	5,018,152	5,018,152	5,018,152			
2011																				1,009,766	3,526,574	5,103,156	7,160,300	7,059,919	7,073,816	6,411,342	6,460,240	6,380,318	6,380,318	6,380,318	6,380,318	6,380,318	6,380,318	6,380,318	6,380,318	6,380,318	6,380,318	6,380,318			
2012																				786,408	2,110,015	2,798,430	3,267,611	3,342,491	3,441,529	3,387,627	3,328,688	3,328,688	3,328,688	3,328,688	3,328,688	3,328,688	3,328,688	3,328,688	3,328,688	3,328,688	3,328,688	3,328,688	3,328,688		
2013																				1,251,963	2,906,608	3,097,439	4,530,893	5,772,677	6,224,213	5,814,909	5,816,282	5,644,733	5,644,733	5,644,733	5,644,733	5,644,733	5,644,733	5,644,733	5,644,733	5,644,733	5,644,733	5,644,733	5,644,733		
2014																				813,298	3,919,762	4,939,242	4,986,654	4,751,220	4,699,849	4,650,351	4,611,623	4,611,623	4,611,623	4,611,623	4,611,623	4,611,623	4,611,623	4,611,623	4,611,623	4,611,623	4,611,623	4,611,623	4,611,623		
2015																				669,375	2,551,244	3,482,940	5,039,353	4,849,776	4,944,690	4,580,687	4,583,318	4,583,318	4,583,318	4,583,318	4,583,318	4,583,318	4,583,318	4,583,318	4,583,318	4,583,318	4,583,318	4,583,318	4,583,318	4,583,318	
2016																				580,974	2,365,183	3,868,586	4,048,316	3,918,195	3,678,501	3,630,119	3,630,119	3,630,119	3,630,119	3,630,119	3,630,119	3,630,119	3,630,119	3,630,119	3,630,119	3,630,119	3,630,119	3,630,119	3,630,119	3,630,119	
2017																				995,542	2,377,180	2,852,698	4,328,884	4,923,997	4,341,414	4,341,414	4,341,414	4,341,414	4,341,414	4,341,414	4,341,414	4,341,414	4,341,414	4,341,414	4,341,414	4,341,414	4,341,414	4,341,414	4,341,414	4,341,414	
2018																				973,928	3,965,241	4,529,892	5,920,413	6,957,907	6,957,907	6,957,907	6,957,907	6,957,907	6,957,907	6,957,907	6,957,907	6,957,907	6,957,907	6,957,907	6,957,907	6,957,907	6,957,907	6,957,907	6,957,907	6,957,907	6,957,907
2019																				1,485,277	3,951,651	5,391,637	6,512,960	6,512,960	6,512,960	6,512,960	6,512,960	6,512,960	6,512,960	6,512,960	6,512,960	6,512,960	6,512,960	6,512,960	6,512,960	6,512,960	6,512,960	6,512,960	6,512,960	6,512,960	6,512,960
2020																				809,681	1,553,026	1,885,089	1,885,089	1,885,089	1,885,089	1,885,089	1,885,089	1,885,089	1,885,089	1,885,089	1,885,089	1,885,089	1,885,089	1,885,089	1,885,089	1,885,089	1,885,089	1,885,089	1,885,089	1,885,089	
2021																				1,045,604	1,570,165	1,570,165	1,570,165	1,570,165	1,570,165	1,570,165	1,570,165	1,570,165	1,570,165	1,570,165	1,570,165	1,570,165	1,570,165	1,570,165	1,570,165	1,570,165	1,570,165	1,570,165	1,570,165		
2022																				1,414,280	1,414,280	1,414,280	1,414,280	1,414,280	1,414,280	1,414,280	1,414,280	1,414,280	1,414,280	1,414,280	1,414,280	1,414,280	1,414,280	1,414,280	1,414,280	1,414,280	1,414,280	1,414,280	1,414,280		

1. Loss amounts are net of deductibles and limited to \$1 Million per occurrence.

Washington State Transit Insurance Pool
Automobile Liability

Ultimate Loss Based on Loss per Exposure
As of June 30, 2022

Accident Year	Exposures	Selected Loss per Exposure	Ultimate Loss (1) x (2)
	(1)	(2)	(3)
1989	14,925	\$ 21.700	\$ 323,873
1990	17,084	22.400	382,682
1991	20,065	23.100	463,502
1992	20,448	23.800	486,662
1993	22,570	24.500	552,965
1994	25,778	25.200	649,606
1995	30,895	26.000	803,270
1996	36,939	26.800	989,965
1997	38,650	27.600	1,066,740
1998	41,742	28.400	1,185,473
1999	43,736	29.300	1,281,465
2000	37,129	30.200	1,121,296
2001	38,150	31.100	1,186,465
2002	40,006	32.000	1,280,192
2003	44,389	33.000	1,464,837
2004	51,857	34.000	1,763,138
2005	61,326	35.000	2,146,410
2006	67,961	36.100	2,453,392
2007	70,253	37.200	2,613,412
2008	76,286	38.300	2,921,754
2009	78,025	39.500	3,081,988
2010	95,229	40.700	3,875,820
2011	102,405	41.900	4,290,770
2012	95,224	43.200	4,113,677
2013	97,531	44.500	4,340,130
2014	97,397	45.800	4,460,783
2015	97,244	47.200	4,589,917
2016	97,845	48.600	4,755,267
2017	98,331	50.100	4,926,383
2018	100,853	51.600	5,204,015
2019	104,939	53.100	5,572,261
2020	79,998	54.700	4,375,891
2021	79,812	56.300	4,493,416
2022	91,326	58.000	5,296,908
Total	2,116,348		\$ 88,514,320

1. Loss amounts are net of deductibles and limited to \$1 million per occurrence.
2. Exposures are miles in thousands.

Confidential Information for the sole benefit and use of PwC's Client

PwC 2023 Rate Level Review as of 2022-06-30 on 2022-11-07

Washington State Transit Insurance Pool
Automobile Liability

Ultimate Loss Based on Bornhuetter-Ferguson Using Exposures and Paid Loss
As of June 30, 2022

Accident Year	Age (months)	Exposures	Selected Loss Rate	Expected Ultimate Loss (2) x (3)	Cumulative Development Factors	Percentage Undeveloped 1 - 1/(5)	Undeveloped Paid Loss (4) x (6)	Cumulative Paid Loss	Ultimate Loss (7) + (8)	Calculated Loss Rate (9) / (2)
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1989	402	14,925	\$ 21.700	\$ 323,873	1.000	0.00 %	\$ 0	\$ 269,382	\$ 269,382	18.049
1990	390	17,084	22.400	382,682	1.000	0.00 %	0	346,156	346,156	20.262
1991	378	20,065	23.100	463,502	1.000	0.00 %	0	401,823	401,823	20.026
1992	366	20,448	23.800	486,662	1.000	0.00 %	0	841,170	841,170	41.137
1993	354	22,570	24.500	552,965	1.000	0.00 %	0	1,355,520	1,355,520	60.058
1994	342	25,778	25.200	649,606	1.000	0.00 %	0	368,177	368,177	14.283
1995	330	30,895	26.000	803,270	1.000	0.00 %	0	1,253,688	1,253,688	40.579
1996	318	36,939	26.800	989,965	1.000	0.00 %	0	1,595,970	1,595,970	43.206
1997	306	38,650	27.600	1,066,740	1.000	0.00 %	0	982,360	982,360	25.417
1998	294	41,742	28.400	1,185,473	1.000	0.00 %	0	654,689	654,689	15.684
1999	282	43,736	29.300	1,281,465	1.000	0.00 %	0	1,006,796	1,006,796	23.020
2000	270	37,129	30.200	1,121,296	1.000	0.00 %	0	652,955	652,955	17.586
2001	258	38,150	31.100	1,186,465	1.000	0.00 %	0	971,336	971,336	25.461
2002	246	40,006	32.000	1,280,192	1.000	0.00 %	0	1,151,646	1,151,646	28.787
2003	234	44,389	33.000	1,464,837	1.000	0.00 %	0	631,008	631,008	14.215
2004	222	51,857	34.000	1,763,138	1.000	0.00 %	0	2,398,764	2,398,764	46.257
2005	210	61,326	35.000	2,146,410	1.000	0.00 %	0	1,780,888	1,780,888	29.040
2006	198	67,961	36.100	2,453,392	1.000	0.00 %	0	3,804,889	3,804,889	55.986
2007	186	70,253	37.200	2,613,412	1.000	0.00 %	0	1,826,824	1,826,824	26.004
2008	174	76,286	38.300	2,921,754	1.000	0.00 %	0	4,574,479	4,574,479	59.965
2009	162	78,025	39.500	3,081,988	1.000	0.00 %	0	3,199,461	3,199,461	41.006
2010	150	95,229	40.700	3,875,820	1.000	0.00 %	0	5,018,136	5,018,136	52.695
2011	138	102,405	41.900	4,290,770	1.000	0.00 %	0	6,380,318	6,380,318	62.305
2012	126	95,224	43.200	4,113,677	1.000	0.00 %	0	3,328,688	3,328,688	34.956
2013	114	97,531	44.500	4,340,130	1.005	0.50 %	21,593	5,644,733	5,666,326	58.098
2014	102	97,397	45.800	4,460,783	1.010	0.99 %	44,275	4,611,623	4,655,898	47.803
2015	90	97,244	47.200	4,589,917	1.017	1.68 %	77,147	4,583,318	4,660,465	47.925
2016	78	97,845	48.600	4,755,267	1.030	2.94 %	139,925	3,630,119	3,770,044	38.531
2017	66	98,331	50.100	4,926,383	1.066	6.22 %	306,651	3,588,801	3,895,452	39.616
2018	54	100,853	51.600	5,204,015	1.184	15.52 %	807,544	3,691,903	4,499,447	44.614
2019	42	104,939	53.100	5,572,261	1.459	31.48 %	1,754,278	3,149,157	4,903,435	46.727
2020	30	79,998	54.700	4,375,891	2.253	55.62 %	2,434,014	1,018,650	3,452,664	43.159
2021	18	79,812	56.300	4,493,416	3.689	72.89 %	3,275,315	788,031	4,063,346	50.911
2022	6	91,326	58.000	5,296,908	16.729	94.02 %	4,980,278	202,427	5,182,705	56.750
Total		2,116,348		\$ 88,514,320			\$ 13,841,020	\$ 75,703,885	\$ 89,544,905	

1. Loss amounts are net of deductibles and limited to \$1 million per occurrence.
2. Exposures are miles in thousands.

Washington State Transit Insurance Pool
Automobile Liability

Ultimate Loss Based on Bornhuetter-Ferguson Using Exposures and Incurred Loss
As of June 30, 2022

Accident Year	Age (months)	Exposures	Selected Loss Rate	Expected Ultimate Loss (2) x (3)	Cumulative Development Factors	Percentage Undeveloped 1 - 1/(5)	Undeveloped Incurred Loss (4) x (6)	Cumulative Incurred Loss	Ultimate Loss (7) + (8)	Calculated Loss Rate (9) / (2)
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1989	402	14,925	\$ 21.700	\$ 323,873	1.000	0.00 %	\$ 0	\$ 269,382	\$ 269,382	18.049
1990	390	17,084	22.400	382,682	1.000	0.00 %	0	346,156	346,156	20.262
1991	378	20,065	23.100	463,502	1.000	0.00 %	0	401,823	401,823	20.026
1992	366	20,448	23.800	486,662	1.000	0.00 %	0	841,170	841,170	41.137
1993	354	22,570	24.500	552,965	1.000	0.00 %	0	1,355,520	1,355,520	60.058
1994	342	25,778	25.200	649,606	1.000	0.00 %	0	368,177	368,177	14.283
1995	330	30,895	26.000	803,270	1.000	0.00 %	0	1,253,688	1,253,688	40.579
1996	318	36,939	26.800	989,965	1.000	0.00 %	0	1,595,970	1,595,970	43.206
1997	306	38,650	27.600	1,066,740	1.000	0.00 %	0	982,360	982,360	25.417
1998	294	41,742	28.400	1,185,473	1.000	0.00 %	0	654,689	654,689	15.684
1999	282	43,736	29.300	1,281,465	1.000	0.00 %	0	1,006,796	1,006,796	23.020
2000	270	37,129	30.200	1,121,296	1.000	0.00 %	0	652,955	652,955	17.586
2001	258	38,150	31.100	1,186,465	1.000	0.00 %	0	971,336	971,336	25.461
2002	246	40,006	32.000	1,280,192	1.000	0.00 %	0	1,151,646	1,151,646	28.787
2003	234	44,389	33.000	1,464,837	1.000	0.00 %	0	631,008	631,008	14.215
2004	222	51,857	34.000	1,763,138	1.000	0.00 %	0	2,398,764	2,398,764	46.257
2005	210	61,326	35.000	2,146,410	1.000	0.00 %	0	1,780,888	1,780,888	29.040
2006	198	67,961	36.100	2,453,392	1.000	0.00 %	0	3,804,889	3,804,889	55.986
2007	186	70,253	37.200	2,613,412	1.000	0.00 %	0	1,826,824	1,826,824	26.004
2008	174	76,286	38.300	2,921,754	1.000	0.00 %	0	4,574,479	4,574,479	59.965
2009	162	78,025	39.500	3,081,988	1.000	0.00 %	0	3,199,461	3,199,461	41.006
2010	150	95,229	40.700	3,875,820	1.000	0.00 %	0	5,018,136	5,018,136	52.695
2011	138	102,405	41.900	4,290,770	1.000	0.00 %	0	6,380,318	6,380,318	62.305
2012	126	95,224	43.200	4,113,677	1.000	0.00 %	0	3,328,688	3,328,688	34.956
2013	114	97,531	44.500	4,340,130	1.000	0.00 %	0	5,644,733	5,644,733	57.876
2014	102	97,397	45.800	4,460,783	1.000	0.00 %	0	4,611,623	4,611,623	47.349
2015	90	97,244	47.200	4,589,917	1.000	0.00 %	0	4,583,318	4,583,318	47.132
2016	78	97,845	48.600	4,755,267	1.000	0.00 %	0	3,630,119	3,630,119	37.101
2017	66	98,331	50.100	4,926,383	1.000	0.00 %	0	4,341,414	4,341,414	44.151
2018	54	100,853	51.600	5,204,015	1.000	0.00 %	0	6,957,907	6,957,907	68.991
2019	42	104,939	53.100	5,572,261	1.075	6.98 %	388,762	6,512,960	6,901,722	65.769
2020	30	79,998	54.700	4,375,891	1.350	25.94 %	1,134,970	1,885,089	3,020,059	37.752
2021	18	79,812	56.300	4,493,416	1.759	43.16 %	1,939,338	1,570,165	3,509,503	43.972
2022	6	91,326	58.000	5,296,908	4.917	79.66 %	4,219,704	1,414,280	5,633,984	61.691
Total		2,116,348		\$ 88,514,320			\$ 7,682,774	\$ 85,946,731	\$ 93,629,505	

1. Loss amounts are net of deductibles and limited to \$1 million per occurrence.
2. Exposures are miles in thousands.

Washington State Transit Insurance Pool
 Automobile Liability - Limited to \$1 Million per Occurrence, Net of Deductibles
 Bornhuetter-Ferguson Seed Calculation
 As of June 30, 2022

Accident Year	Paid Loss Ltd to \$1M (1)	Paid Loss Ltd to \$1M On-Level @ 3.00% to 2022 (2)	Incurred Loss Ltd to \$1M (3)	Incurred Loss Ltd to \$1M On-Level @ 3.00% to 2022 (4)	Mileage (in thousands) (5)	Paid Loss CDF (6)	Incurred Loss CDF (7)	Paid Burned Exposures (5)/(6) (8)	Incurred Burned Exposures (5)/(7) (9)	Paid Loss Rate (2)/(8) (10)	Incurred Loss Rate (4)/(9) (11)	Selected Loss Rate (12)
1989	269,382	714,491	269,382	714,491	14,925	1.000	1.000	14,925	14,925	47.9	47.9	21.7
1990	346,156	891,380	346,156	891,380	17,084	1.000	1.000	17,084	17,084	52.2	52.2	22.4
1991	401,823	1,004,590	401,823	1,004,590	20,065	1.000	1.000	20,065	20,065	50.1	50.1	23.1
1992	841,170	2,041,740	841,170	2,041,740	20,448	1.000	1.000	20,448	20,448	99.9	99.9	23.8
1993	1,355,520	3,194,372	1,355,520	3,194,372	22,570	1.000	1.000	22,570	22,570	141.5	141.5	24.5
1994	368,177	842,362	368,177	842,362	25,778	1.000	1.000	25,778	25,778	32.7	32.7	25.2
1995	1,253,688	2,784,803	1,253,688	2,784,803	30,895	1.000	1.000	30,895	30,895	90.1	90.1	26.0
1996	1,595,970	3,441,855	1,595,970	3,441,855	36,939	1.000	1.000	36,939	36,939	93.2	93.2	26.8
1997	982,360	2,056,844	982,360	2,056,844	38,650	1.000	1.000	38,650	38,650	53.2	53.2	27.6
1998	654,689	1,330,848	654,689	1,330,848	41,742	1.000	1.000	41,742	41,742	31.9	31.9	28.4
1999	1,006,796	1,986,999	1,006,796	1,986,999	43,736	1.000	1.000	43,736	43,736	45.4	45.4	29.3
2000	652,955	1,251,129	652,955	1,251,129	37,129	1.000	1.000	37,129	37,129	33.7	33.7	30.2
2001	971,336	1,806,971	971,336	1,806,971	38,150	1.000	1.000	38,150	38,150	47.4	47.4	31.1
2002	1,151,646	2,080,001	1,151,646	2,080,001	40,006	1.000	1.000	40,006	40,006	52.0	52.0	32.0
2003	631,008	1,106,476	631,008	1,106,476	44,389	1.000	1.000	44,389	44,389	24.9	24.9	33.0
2004	2,398,764	4,083,735	2,398,764	4,083,735	51,857	1.000	1.000	51,857	51,857	78.7	78.7	34.0
2005	1,780,888	2,943,537	1,780,888	2,943,537	61,326	1.000	1.000	61,326	61,326	48.0	48.0	35.0
2006	3,804,889	6,105,730	3,804,889	6,105,730	67,961	1.000	1.000	67,961	67,961	89.8	89.8	36.1
2007	1,826,824	2,846,132	1,826,824	2,846,132	70,253	1.000	1.000	70,253	70,253	40.5	40.5	37.2
2008	4,574,479	6,919,310	4,574,479	6,919,310	76,286	1.000	1.000	76,286	76,286	90.7	90.7	38.3
2009	3,199,461	4,698,516	3,199,461	4,698,516	78,025	1.000	1.000	78,025	78,025	60.2	60.2	39.5
2010	5,018,136	7,154,662	5,018,136	7,154,662	95,229	1.000	1.000	95,229	95,229	75.1	75.1	40.7
2011	6,380,318	8,831,852	6,380,318	8,831,852	102,405	1.000	1.000	102,405	102,405	86.2	86.2	41.9
2012	3,328,688	4,473,478	3,328,688	4,473,478	95,224	1.000	1.000	95,224	95,224	47.0	47.0	43.2
2013	5,644,733	7,365,096	5,644,733	7,365,096	97,531	1.005	1.000	97,046	97,531	75.9	75.5	44.5
2014	4,611,623	5,841,866	4,611,623	5,841,866	97,397	1.010	1.000	96,430	97,397	60.6	60.0	45.8
2015	4,583,318	5,636,903	4,583,318	5,636,903	97,244	1.017	1.000	95,610	97,244	59.0	58.0	47.2
2016	3,630,119	4,334,552	3,630,119	4,334,552	97,845	1.030	1.000	94,966	97,845	45.6	44.3	48.6
2017	3,588,801	4,160,404	4,341,414	5,032,889	98,331	1.066	1.000	92,210	98,331	45.1	51.2	50.1
2018	3,691,903	4,155,269	6,957,907	7,831,186	100,853	1.184	1.000	85,203	100,853	48.8	77.6	51.6
2019	3,149,157	3,441,169	6,512,960	7,116,887	104,939	1.459	1.075	71,902	97,618	47.9	72.9	53.1
2020	1,018,650	1,080,686	1,885,089	1,999,891	79,998	2.253	1.350	35,500	59,249	30.4	33.8	54.7
2021	788,031	811,672	1,570,165	1,617,270	79,812	3.689	1.759	21,636	45,365	37.5	35.6	56.3
2022	202,427	202,427	1,414,280	1,414,280	91,326	16.729	4.917	5,459	18,572	37.1	76.1	58.0
Total	75,703,885	111,621,859	85,946,731	122,782,635	2,116,348			1,867,034	1,981,078	59.8	62.0	
10 Yr Avg	30,908,762	37,030,044	41,151,608	48,190,820	945,276			695,962	810,006	53.2	59.5	
9 Yr Avg	25,264,029	29,664,948	35,506,875	40,825,723	847,745			598,916	712,475	49.5	57.3	
8 Yr Avg	20,652,406	23,823,082	30,895,252	34,983,857	750,348			502,486	615,078	47.4	56.9	
7 Yr Avg	16,069,088	18,186,179	26,311,934	29,346,954	653,104			406,876	517,834	44.7	56.7	
6 Yr Avg	12,438,969	13,851,627	22,681,815	25,012,402	555,259			311,910	419,989	44.4	59.6	
5 Yr Avg	8,850,168	9,691,223	18,340,401	19,979,514	456,928			219,700	321,658	44.1	62.1	
4 Yr Avg	5,158,265	5,535,954	11,382,494	12,148,328	356,075			134,497	220,805	41.2	55.0	
3 Yr Avg	2,009,108	2,094,785	4,869,534	5,031,441	251,136			62,596	123,187	33.5	40.8	

Selected Loss per Exposure: 58.0

- Columns (1), (3) and (5) were provided by Pool management.
- Columns (6) and (7) are from Exhibits 4-3 and 4-6.
- Loss per exposure in column (12) is selected based on the averages in columns (10) and (11). A 3% trend is used to discount the selected loss per exposure over time; this trend is based on both pool and industry experience.

Washington State Transit Insurance Pool Automobile Liability

Cumulative Paid Loss per Exposure As of June 30, 2022

Accident Year	6	18	30	42	54	66	78	90	102	114	126	138	150	162	174	186	198	210	222	234	246	258	270	282	294	306	318	330	342	354	366	378	390	402			
1989																				18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18		
1990																				20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20		
1991																			20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20		
1992																	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41		
1993																60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60		
1994															14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14		
1995															41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41		
1996															43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43		
1997															25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25		
1998															16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16		
1999															23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23		
2000															18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18		
2001															25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	
2002															29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	
2003															14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	
2004															43	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	
2005															21	25	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	
2006															14	37	47	51	53	53	55	55	56	56	56	56	56	56	56	56	56	56	56	56	56	56	
2007															6	10	17	24	25	25	25	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	
2008															6	21	30	38	43	46	47	47	50	50	60	60	60	60	60	60	60	60	60	60	60	60	
2009															3	9	28	33	37	40	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41
2010															2	12	26	33	40	52	52	52	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
2011															2	10	26	30	49	57	58	61	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62
2012															2	12	16	25	34	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35
2013															3	15	23	29	38	48	57	57	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58
2014															2	13	26	43	46	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47
2015															2	9	17	35	43	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47
2016															2	14	19	31	35	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37
2017															4	15	19	25	32	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
2018															3	12	16	26	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37
2019															2	13	18	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
2020															3	8	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
2021															2	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
2022															2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

Washington State Transit Insurance Pool
Automobile Liability

Cumulative Incurred Loss per Exposure
As of June 30, 2022

Accident Year	6	18	30	42	54	66	78	90	102	114	126	138	150	162	174	186	198	210	222	234	246	258	270	282	294	306	318	330	342	354	366	378	390	402			
1989																				18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18		
1990																				20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20		
1991																				20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20		
1992																		41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41		
1993																60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60		
1994																14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14		
1995																				41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	
1996																				43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	
1997																				25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	
1998																				16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	
1999																				23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	
2000																				18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	
2001																				25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
2002																				29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
2003																				14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
2004																				49	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46
2005																				26	28	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
2006																				43	52	56	57	56	57	58	56	56	56	56	56	56	56	56	56	56	
2007																				15	20	26	27	29	28	26	26	26	26	26	26	26	26	26	26	26	
2008																				21	39	44	45	51	47	47	61	60	60	60	60	60	60	60	60	60	60
2009																				17	31	40	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41
2010																				11	31	42	52	56	52	53	53	53	53	53	53	53	53	53	53	53	53
2011																				10	34	50	70	69	69	63	63	62	62	62	62	62	62	62	62	62	62
2012																				8	22	29	34	35	36	36	35	35	35	35	35	35	35	35	35	35	35
2013																				13	30	32	46	59	64	60	60	58	58	58	58	58	58	58	58	58	58
2014																				8	40	51	51	49	48	48	47	47	47	47	47	47	47	47	47	47	47
2015																				7	26	36	52	50	51	47	47	47	47	47	47	47	47	47	47	47	47
2016																				6	24	40	41	40	38	37	37	37	37	37	37	37	37	37	37	37	37
2017																				10	24	29	44	50	44	44	44	44	44	44	44	44	44	44	44	44	44
2018																				10	39	45	59	69	69	69	69	69	69	69	69	69	69	69	69	69	69
2019																				14	38	51	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62
2020																				10	19	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
2021																				13	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
2022																				15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15

Washington State Transit Insurance Pool
Automobile Liability

Summary of Claim Count Estimates
As of June 30, 2022

Accident Year	Ultimate Claims (1)	Selected Proportion Earned (2)	Prorated Ultimate Claims (1) x (2) (3)	Reported Claims (4)	Closed Claims (5)	Open Claims (4) - (5) (6)	IBNR Claims (3) - (4) (7)	Total Open and IBNR Claims (6) + (7) (8)
1989	121	1.000	121	121	121	0	0	0
1990	175	1.000	175	175	175	0	0	0
1991	173	1.000	173	173	173	0	0	0
1992	171	1.000	171	171	171	0	0	0
1993	196	1.000	196	196	196	0	0	0
1994	166	1.000	166	166	166	0	0	0
1995	209	1.000	209	209	209	0	0	0
1996	244	1.000	244	244	244	0	0	0
1997	202	1.000	202	202	202	0	0	0
1998	203	1.000	203	203	203	0	0	0
1999	232	1.000	232	232	232	0	0	0
2000	181	1.000	181	181	181	0	0	0
2001	199	1.000	199	199	199	0	0	0
2002	200	1.000	200	200	200	0	0	0
2003	196	1.000	196	196	196	0	0	0
2004	283	1.000	283	283	283	0	0	0
2005	334	1.000	334	334	334	0	0	0
2006	388	1.000	388	388	388	0	0	0
2007	412	1.000	412	412	412	0	0	0
2008	407	1.000	407	407	407	0	0	0
2009	444	1.000	444	444	444	0	0	0
2010	506	1.000	506	506	506	0	0	0
2011	497	1.000	497	497	497	0	0	0
2012	499	1.000	499	499	499	0	0	0
2013	539	1.000	539	539	539	0	0	0
2014	564	1.000	564	564	564	0	0	0
2015	479	1.000	479	479	479	0	0	0
2016	478	1.000	478	478	478	0	0	0
2017	551	1.000	551	551	548	3	0	3
2018	501	1.000	501	501	488	13	0	13
2019	453	1.000	453	453	436	17	0	17
2020	265	1.000	265	264	253	11	1	12
2021	228	1.000	228	225	192	33	3	36
2022	298	0.500	149	110	73	37	39	76
Total	10,994		10,845	10,802	10,688	114	43	157

1. Column (1) is from Exhibit 4-16.

Washington State Transit Insurance Pool
Automobile Liability

Comparison of Ultimate Claims Estimates
As of June 30, 2022

Accident Year	Reported Claim Development	Claim Frequency	Ultimate Claims
	(1)	(2)	(3)
1989	121	121	121
1990	175	175	175
1991	173	173	173
1992	171	171	171
1993	196	196	196
1994	166	166	166
1995	209	209	209
1996	244	244	244
1997	202	202	202
1998	203	203	203
1999	232	232	232
2000	181	181	181
2001	199	199	199
2002	200	200	200
2003	196	196	196
2004	283	283	283
2005	334	334	334
2006	388	388	388
2007	412	412	412
2008	407	407	407
2009	444	444	444
2010	506	506	506
2011	497	497	497
2012	499	499	499
2013	539	539	539
2014	564	564	564
2015	479	479	479
2016	478	478	478
2017	551	551	551
2018	501	501	501
2019	453	453	453
2020	265	265	265
2021	228	228	228
2022	248	338	298
Total	10,944	11,035	10,994

1. Column (1) is from Exhibit 4-17.
2. Column (2) is from Exhibit 4-20.

Washington State Transit Insurance Pool
Automobile Liability

Ultimate Claims Based on Reported Claim Development
As of June 30, 2022

Accident Year	Age (months)	Cumulative Reported Claims	Selected Development Factors	Cumulative Development Factors	Ultimate Claims (2) x (4)
	(1)	(2)	(3)	(4)	(5)
1989	402	121	1.000	1.000	121
1990	390	175	1.000	1.000	175
1991	378	173	1.000	1.000	173
1992	366	171	1.000	1.000	171
1993	354	196	1.000	1.000	196
1994	342	166	1.000	1.000	166
1995	330	209	1.000	1.000	209
1996	318	244	1.000	1.000	244
1997	306	202	1.000	1.000	202
1998	294	203	1.000	1.000	203
1999	282	232	1.000	1.000	232
2000	270	181	1.000	1.000	181
2001	258	199	1.000	1.000	199
2002	246	200	1.000	1.000	200
2003	234	196	1.000	1.000	196
2004	222	283	1.000	1.000	283
2005	210	334	1.000	1.000	334
2006	198	388	1.000	1.000	388
2007	186	412	1.000	1.000	412
2008	174	407	1.000	1.000	407
2009	162	444	1.000	1.000	444
2010	150	506	1.000	1.000	506
2011	138	497	1.000	1.000	497
2012	126	499	1.000	1.000	499
2013	114	539	1.000	1.000	539
2014	102	564	1.000	1.000	564
2015	90	479	1.000	1.000	479
2016	78	478	1.000	1.000	478
2017	66	551	1.000	1.000	551
2018	54	501	1.000	1.000	501
2019	42	453	1.000	1.000	453
2020	30	264	1.003	1.003	265
2021	18	225	1.011	1.014	228
2022	6	110	2.227	2.258	248
Total		10,802			10,944

Washington State Transit Insurance Pool Automobile Liability

Reported Claim Development As of June 30, 2022

Accident Year	6-18	18-30	30-42	42-54	54-66	66-78	78-90	90-102	102-114	114-126	126-138	138-150	150-162	162-174	174-186	186-198	198-210	210-222	222-234	234-246	246-258	258-270	270-282	282-294	294-306	306-318	318-330	330-342	342-354	354-366	366-378	378-390	390-402	402-Ult			
1989																																					
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Avg	2.260	1.008	1.002	1.004	1.003	1.002	1.003	1.002	1.004	1.003	1.003	1.001	1.001	1.001	1.000	0.999	1.000	1.000	1.000	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000		
Vol Wtd Avg	2.227	1.011	1.003	1.003	1.002	1.002	1.001	1.001	1.002	1.002	1.002	1.001	1.001	1.001	1.000	0.999	1.000	1.000	1.000	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000		
8 Yr Vol Wtd Avg	2.195	1.013	1.001	1.000	1.000	1.000	0.999	0.999	0.999	1.000	1.000	1.000	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000		
7 Yr Vol Wtd Avg	2.197	1.014	1.003	0.999	0.999	1.001	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000		
6 Yr Vol Wtd Avg	2.178	1.008	1.000	0.998	0.999	1.000	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000		
5 Yr Vol Wtd Avg	2.188	1.012	1.003	1.001	0.999	1.000	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000		
4 Yr Vol Wtd Avg	2.253	1.015	1.004	1.004	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000		
3 Yr Vol Wtd Avg	2.235	1.017	1.003	1.004	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000		
Selected	2.227	1.011	1.003	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000		
Cumulative	2.258	1.014	1.003	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000		
Ratio to Ultimate	0.443	0.986	0.997	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000		

Washington State Transit Insurance Pool
Automobile Liability

Reported Claims - Cumulative
As of June 30, 2022

Accident Year	6	18	30	42	54	66	78	90	102	114	126	138	150	162	174	186	198	210	222	234	246	258	270	282	294	306	318	330	342	354	366	378	390	402	
1989											121	122	122	122	122	122	122	122	122	122	122	121	121	121	121	121	121	121	121	121	121	121	121	121	
1990										178	177	178	178	178	178	178	178	178	178	178	178	175	175	175	175	175	175	175	175	175	175	175	175	175	175
1991									174	174	174	174	174	174	174	174	174	174	174	174	173	173	173	173	173	173	173	173	173	173	173	173	173	173	173
1992								171	172	172	172	172	172	172	172	172	172	172	172	171	171	171	171	171	171	171	171	171	171	171	171	171	171	171	171
1993							199	199	199	198	198	198	198	198	198	198	198	198	197	197	197	197	197	197	196	196	196	196	196	196	196	196	196	196	196
1994						168	168	168	167	167	167	167	167	167	167	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166
1995					208	208	208	207	208	208	208	208	208	208	208	209	209	209	209	209	209	209	209	209	209	209	209	209	209	209	209	209	209	209	209
1996				246	241	241	241	241	241	241	241	241	241	241	244	244	244	244	244	244	244	244	244	244	244	244	244	244	244	244	244	244	244	244	244
1997			212	202	201	201	201	201	201	201	201	201	201	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202
1998		207	198	198	199	199	199	199	199	199	199	199	203	203	203	203	203	203	203	203	203	203	203	203	203	203	203	203	203	203	203	203	203	203	203
1999	113	216	218	219	219	219	219	219	219	219	219	232	232	232	232	232	232	232	232	232	232	232	232	232	232	232	232	232	232	232	232	232	232	232	232
2000	72	166	167	167	167	167	167	167	167	167	181	181	181	181	181	181	181	181	181	181	181	181	181	181	181	181	181	181	181	181	181	181	181	181	181
2001	91	179	179	179	179	179	179	179	179	199	199	199	199	199	199	199	199	199	199	199	199	199	199	199	199	199	199	199	199	199	199	199	199	199	199
2002	78	189	189	189	190	190	190	190	200	200	200	199	200	201	201	201	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200
2003	72	181	181	182	183	183	183	196	196	196	196	196	196	196	196	196	196	196	196	196	196	196	196	196	196	196	196	196	196	196	196	196	196	196	196
2004	96	265	267	268	270	269	281	281	282	282	282	282	282	283	283	283	283	283	283	283	283	283	283	283	283	283	283	283	283	283	283	283	283	283	283
2005	133	310	313	314	314	334	334	334	334	334	334	334	334	334	334	334	334	334	334	334	334	334	334	334	334	334	334	334	334	334	334	334	334	334	334
2006	167	360	359	360	388	388	388	388	388	388	388	388	388	388	388	388	388	388	388	388	388	388	388	388	388	388	388	388	388	388	388	388	388	388	388
2007	172	389	392	412	412	412	412	412	412	412	412	412	412	412	412	412	412	412	412	412	412	412	412	412	412	412	412	412	412	412	412	412	412	412	412
2008	146	379	405	406	406	407	407	408	409	408	407	407	407	407	407	407	407	407	407	407	407	407	407	407	407	407	407	407	407	407	407	407	407	407	407
2009	200	446	447	447	447	447	446	445	445	444	444	444	444	444	444	444	444	444	444	444	444	444	444	444	444	444	444	444	444	444	444	444	444	444	444
2010	209	495	499	502	503	507	509	509	506	506	506	506	506	506	506	506	506	506	506	506	506	506	506	506	506	506	506	506	506	506	506	506	506	506	506
2011	252	487	497	497	499	499	499	497	497	497	497	497	497	497	497	497	497	497	497	497	497	497	497	497	497	497	497	497	497	497	497	497	497	497	497
2012	220	497	500	497	500	499	499	499	499	499	499	499	499	499	499	499	499	499	499	499	499	499	499	499	499	499	499	499	499	499	499	499	499	499	499
2013	244	537	540	550	542	539	539	539	539	539	539	539	539	539	539	539	539	539	539	539	539	539	539	539	539	539	539	539	539	539	539	539	539	539	539
2014	253	553	577	569	564	564	564	564	564	564	564	564	564	564	564	564	564	564	564	564	564	564	564	564	564	564	564	564	564	564	564	564	564	564	564
2015	210	482	477	477	479	479	479	479	479	479	479	479	479	479	479	479	479	479	479	479	479	479	479	479	479	479	479	479	479	479	479	479	479	479	479
2016	221	473	473	476	478	478	478	478	478	478	478	478	478	478	478	478	478	478	478	478	478	478	478	478	478	478	478	478	478	478	478	478	478	478	478
2017	267	543	549	550	551	551	551	551	551	551	551	551	551	551	551	551	551	551	551	551	551	551	551	551	551	551	551	551	551	551	551	551	551	551	551
2018	212	485	496	498	501	501	501	501	501	501	501	501	501	501	501	501	501	501	501	501	501	501	501	501	501	501	501	501	501	501	501	501	501	501	501
2019	199	444	452	453	453	453	453	453	453	453	453	453	453	453	453	453	453	453	453	453	453	453	453	453	453	453	453	453	453	453	453	453	453	453	453
2020	131	263	264	264	264	264	264	264	264	264	264	264	264	264	264	264	264	264	264	264	264	264	264	264	264	264	264	264	264	264	264	264	264	264	264
2021	87	225	225	225	225	225	225	225	225	225	225	225	225	225	225	225	225	225	225	225	225	225	225	225	225	225	225	225	225	225	225	225	225	225	225
2022	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110

Washington State Transit Insurance Pool
Automobile Liability

Ultimate Claims Based on Claim Frequency
As of June 30, 2022

Accident Year	Exposures	Selected Claim Frequency	Ultimate Claims (1) x (2)
	(1)	(2)	(3)
1989	14,925	0.008	121
1990	17,084	0.010	175
1991	20,065	0.009	173
1992	20,448	0.008	171
1993	22,570	0.009	196
1994	25,778	0.006	166
1995	30,895	0.007	209
1996	36,939	0.007	244
1997	38,650	0.005	202
1998	41,742	0.005	203
1999	43,736	0.005	232
2000	37,129	0.005	181
2001	38,150	0.005	199
2002	40,006	0.005	200
2003	44,389	0.004	196
2004	51,857	0.005	283
2005	61,326	0.005	334
2006	67,961	0.006	388
2007	70,253	0.006	412
2008	76,286	0.005	407
2009	78,025	0.006	444
2010	95,229	0.005	506
2011	102,405	0.005	497
2012	95,224	0.005	499
2013	97,531	0.006	539
2014	97,397	0.006	564
2015	97,244	0.005	479
2016	97,845	0.005	478
2017	98,331	0.006	551
2018	100,853	0.005	501
2019	104,939	0.004	453
2020	79,998	0.003	265
2021	79,812	0.003	228
2022	91,326	0.004	338
Total	2,116,348		11,035

1. Exposures are miles in thousands.

Washington State Transit Insurance Pool
General Liability

Summary of Net Losses and Reserves - Net of Deductibles
As of June 30, 2022

Accident Year	Paid Loss	Case Loss Reserve	Incurred Loss (1) + (2)	IBNR Loss Reserves	Ultimate Loss (3) + (4)	Total Loss Reserves (2) + (4)
	(1)	(2)	(3)	(4)	(5)	(6)
1989						
1990	36,740	0	36,740	0	36,740	0
1991	2,149	0	2,149	0	2,149	0
1992	97,141	0	97,141	0	97,141	0
1993	263,039	0	263,039	0	263,039	0
1994	49,255	0	49,255	0	49,255	0
1995	365,438	0	365,438	0	365,438	0
1996	268,985	0	268,985	0	268,985	0
1997	553,344	0	553,344	0	553,344	0
1998	459,806	0	459,806	0	459,806	0
1999	364,342	0	364,342	0	364,342	0
2000	27,970	0	27,970	0	27,970	0
2001	7,062	0	7,062	0	7,062	0
2002	96,211	0	96,211	0	96,211	0
2003	311,446	0	311,446	0	311,446	0
2004	19,087	0	19,087	0	19,087	0
2005	232,709	0	232,709	0	232,709	0
2006	315,126	0	315,126	0	315,126	0
2007	214,018	0	214,018	0	214,018	0
2008	454,330	0	454,330	0	454,330	0
2009	187,377	0	187,377	0	187,377	0
2010	480,296	0	480,296	0	480,296	0
2011	526,549	0	526,549	0	526,549	0
2012	864,448	0	864,448	0	864,448	0
2013	382,236	0	382,236	0	382,236	0
2014	453,848	0	453,848	0	453,848	0
2015	301,324	0	301,324	0	301,324	0
2016	187,357	0	187,357	0	187,357	0
2017	656,776	0	656,776	39,224	696,000	39,224
2018	779,253	336,378	1,115,631	85,369	1,201,000	421,747
2019	1,157,157	138,376	1,295,533	201,467	1,497,000	339,843
2020	248,428	1,187,198	1,435,626	357,374	1,793,000	1,544,572
2021	24,432	346,287	370,719	474,281	845,000	820,568
2022	257	50,000	50,257	455,243	505,500	505,243
Total	\$ 10,387,936	\$ 2,058,239	\$ 12,446,175	\$ 1,612,958	\$ 14,059,133	\$ 3,671,197

1. Ultimate loss for accident year 2022 reflects the first six months only.

Confidential Information for the sole benefit and use of PwC's Client

PwC 2023 Rate Level Review as of 2022-06-30 on 2022-11-07

Washington State Transit Insurance Pool
General Liability

Estimated Ultimate Loss Limited to the Self-Insured Retention
As of June 30, 2022

Accident Year	Paid Loss Development	Incurred Loss Development	Loss per Exposure	Bornhuetter-Ferguson Using Exposures and Paid Loss	Bornhuetter-Ferguson Using Exposures and Incurred Loss	Selected Ultimate Loss Limited to \$250,000	ILF to SIR	Expected Net Loss in Excess of \$250,000 (6) x [(7) - 1]	Percent of Net Loss Incurred in Excess of \$250,000	Estimated IBNR in Excess of \$250,000 (8) x [1 - (9)]	Actual Net Incurred Loss in Excess of \$250,000	Selected Net Loss in Excess of \$250,000	Estimated Ultimate Loss at Pool Retention (6)+(12)
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
1989													
1990	36,740	36,740	33,547	36,740	36,740	36,740	1.000	0	100.00 %	0	0	0	36,740
1991	2,149	2,149	40,804	2,149	2,149	2,149	1.000	0	100.00 %	0	0	0	2,149
1992	97,141	97,141	43,344	97,141	97,141	97,141	1.000	0	100.00 %	0	0	0	97,141
1993	263,039	263,039	49,930	263,039	263,039	263,039	1.020	5,261	99.98 %	1	0	0	263,039
1994	70,648	70,648	59,288	70,648	70,648	49,255	1.021	1,034	99.96 %	0	0	0	49,255
1995	417,438	417,438	70,567	417,438	417,438	365,438	1.022	8,040	99.93 %	6	0	0	365,438
1996	268,985	268,985	92,301	268,985	268,985	268,985	1.023	6,187	99.90 %	6	0	0	268,985
1997	503,344	503,344	106,064	503,344	503,344	503,344	1.024	12,080	99.80 %	24	50,000	50,000	553,344
1998	455,139	455,139	112,608	455,139	455,139	414,806	1.025	10,370	99.80 %	21	45,000	45,000	459,806
1999	393,516	393,516	115,747	393,516	393,516	364,342	1.000	0	99.60 %	0	0	0	364,342
2000	49,257	49,257	108,435	49,257	49,257	27,970	1.000	0	99.30 %	0	0	0	27,970
2001	139,847	139,847	116,041	139,847	139,847	7,062	1.027	191	98.80 %	2	0	0	7,062
2002	126,506	126,506	132,257	126,506	126,506	96,211	1.028	2,694	98.30 %	46	0	0	96,211
2003	353,718	353,718	143,805	353,718	353,718	311,446	1.173	53,880	97.80 %	1,185	0	0	311,446
2004	19,829	19,829	189,267	19,829	19,829	19,087	1.232	4,428	97.30 %	120	0	0	19,087
2005	337,870	337,870	224,160	337,870	337,870	232,709	1.233	54,221	96.80 %	1,735	0	0	232,709
2006	617,807	617,807	238,965	617,807	617,807	315,126	1.349	109,979	96.30 %	4,069	0	0	315,126
2007	223,417	223,417	257,809	223,417	223,417	214,018	1.350	74,906	95.80 %	3,146	0	0	214,018
2008	458,082	458,082	278,275	458,082	458,082	454,330	1.361	164,013	95.00 %	8,201	0	0	454,330
2009	189,130	189,130	287,952	189,130	189,130	187,377	1.369	69,142	94.00 %	4,149	0	0	187,377
2010	395,559	395,164	366,206	395,530	395,164	395,030	1.370	146,161	93.00 %	10,231	85,266	85,266	480,296
2011	291,636	291,054	434,502	291,922	291,054	291,054	1.360	104,779	91.90 %	8,487	235,495	235,495	526,549
2012	555,300	553,085	427,235	554,789	553,085	553,085	1.362	200,217	89.90 %	20,222	311,363	311,363	864,448
2013	385,302	382,236	434,486	385,693	382,236	382,236	1.363	138,752	87.70 %	17,066	0	0	382,236
2014	460,233	453,848	457,549	460,196	453,848	453,848	1.364	165,201	85.80 %	23,458	0	0	453,848
2015	308,313	301,324	495,145	312,549	301,324	301,324	1.507	152,771	84.00 %	24,443	0	0	301,324
2016	194,387	187,357	545,700	207,092	187,357	187,357	1.509	95,365	82.40 %	16,784	0	0	187,357
2017	710,720	657,433	584,660	701,152	657,360	658,000	1.555	365,190	79.00 %	76,690	0	38,000	696,000
2018	374,819	550,309	626,226	417,863	550,762	550,000	1.557	306,350	73.00 %	82,715	568,607	651,000	1,201,000
2019	770,822	716,729	681,588	741,374	713,694	715,000	1.558	398,970	64.60 %	141,235	640,707	782,000	1,497,000
2020	521,328	972,642	679,609	604,184	901,235	880,000	1.514	452,320	52.80 %	213,495	700,000	913,000	1,793,000
2021	102,490	550,846	705,977	562,116	615,655	600,000	1.516	309,600	37.20 %	194,429	50,000	245,000	845,000
2022	3,856	216,917	794,080	741,417	660,359	700,000	1.517	361,900	14.20 %	310,510	0	311,000	1,011,000
Total	\$ 10,098,368	\$ 11,252,545	\$ 9,934,128	\$ 11,399,477	\$ 11,686,734	\$ 10,897,509		\$ 3,774,002		\$ 1,162,477	\$ 2,686,438	\$ 3,667,124	\$ 14,564,633

1. Column (1) is from Exhibit 5-3.
2. Column (2) is from Exhibit 5-6.
3. Column (3) is from Exhibit 5-9.
4. Column (4) is from Exhibit 5-10.
5. Column (5) is from Exhibit 5-11.
6. Column (7) is based on Pool size-of-loss information and is supplemented by industry size-of-loss information.
7. Column (9) is based on the Pool's loss experience from the net layer in excess of \$250,000 and on industry excess loss development patterns.
8. Column (11) was provided by the Pool.
9. Selected amounts in column (12) are based on a review of the actual experience and the excess experience that is expected to develop.

Washington State Transit Insurance Pool
General Liability

Ultimate Loss Based on Paid Loss Development
As of June 30, 2022

Accident Year	Age (months)	Cumulative Paid Loss	Selected Development Factors	Cumulative Development Factors	Ultimate Loss (2) x (4)
(1)	(2)	(3)	(4)	(5)	
1989	402		1.000	1.000	
1990	390	36,740	1.000	1.000	36,740
1991	378	2,149	1.000	1.000	2,149
1992	366	97,141	1.000	1.000	97,141
1993	354	263,039	1.000	1.000	263,039
1994	342	70,648	1.000	1.000	70,648
1995	330	417,438	1.000	1.000	417,438
1996	318	268,985	1.000	1.000	268,985
1997	306	503,344	1.000	1.000	503,344
1998	294	455,139	1.000	1.000	455,139
1999	282	393,516	1.000	1.000	393,516
2000	270	49,257	1.000	1.000	49,257
2001	258	139,847	1.000	1.000	139,847
2002	246	126,506	1.000	1.000	126,506
2003	234	353,718	1.000	1.000	353,718
2004	222	19,829	1.000	1.000	19,829
2005	210	337,870	1.000	1.000	337,870
2006	198	617,807	1.000	1.000	617,807
2007	186	223,417	1.000	1.000	223,417
2008	174	458,082	1.000	1.000	458,082
2009	162	189,130	1.000	1.000	189,130
2010	150	395,164	1.001	1.001	395,559
2011	138	291,054	1.001	1.002	291,636
2012	126	553,085	1.002	1.004	555,300
2013	114	382,236	1.004	1.008	385,302
2014	102	453,848	1.006	1.014	460,233
2015	90	301,324	1.009	1.023	308,313
2016	78	187,357	1.014	1.038	194,387
2017	66	656,776	1.043	1.082	710,720
2018	54	310,646	1.115	1.207	374,819
2019	42	516,450	1.237	1.493	770,822
2020	30	248,428	1.406	2.099	521,328
2021	18	24,432	1.999	4.195	102,490
2022	6	257	3.577	15.005	3,856
Total		\$ 9,344,659			\$ 10,098,368

1. Loss amounts are net of deductibles and limited to \$250,000 per occurrence.

Confidential Information for the sole benefit and use of PwC's Client

PwC 2023 Rate Level Review as of 2022-06-30 on 2022-11-07

Washington State Transit Insurance Pool General Liability

Paid Loss - Cumulative As of June 30, 2022

Accident Year	6	18	30	42	54	66	78	90	102	114	126	138	150	162	174	186	198	210	222	234	246	258	270	282	294	306	318	330	342	354	366	378	390	402			
1989																																					
1990																					36,740	36,740	36,740	36,740	36,740	36,740	36,740	36,740	36,740	36,740	36,740	36,740	36,740	36,740	36,740		
1991																			2,149	2,149	2,149	2,149	2,149	2,149	2,149	2,149	2,149	2,149	2,149	2,149	2,149	2,149	2,149	2,149			
1992																	97,141	97,141	97,141	97,141	97,141	97,141	97,141	97,141	97,141	97,141	97,141	97,141	97,141	97,141	97,141	97,141	97,141	97,141			
1993																	263,038	263,038	263,039	263,039	263,039	263,039	263,039	263,039	263,039	263,039	263,039	263,039	263,039	263,039	263,039	263,039	263,039	263,039			
1994																49,255	49,255	49,255	49,255	49,255	49,255	49,255	49,255	49,255	49,255	49,255	49,255	49,255	49,255	49,255	49,255	49,255	49,255	49,255	70,648		
1995																	365,439	365,439	365,438	365,438	365,438	365,438	365,438	365,438	365,438	365,438	365,438	365,438	365,438	365,438	365,438	365,438	365,438	365,438	417,438		
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1. Loss amounts are net of deductibles and limited to \$250,000 per occurrence.

Washington State Transit Insurance Pool
General Liability

Ultimate Loss Based on Incurred Loss Development
As of June 30, 2022

Accident Year	Age (months)	Cumulative Incurred Loss	Selected Development Factors	Cumulative Development Factors	Ultimate Loss (2) x (4)
(1)	(2)	(3)	(4)	(5)	
1989	402		1.000	1.000	
1990	390	36,740	1.000	1.000	36,740
1991	378	2,149	1.000	1.000	2,149
1992	366	97,141	1.000	1.000	97,141
1993	354	263,039	1.000	1.000	263,039
1994	342	70,648	1.000	1.000	70,648
1995	330	417,438	1.000	1.000	417,438
1996	318	268,985	1.000	1.000	268,985
1997	306	503,344	1.000	1.000	503,344
1998	294	455,139	1.000	1.000	455,139
1999	282	393,516	1.000	1.000	393,516
2000	270	49,257	1.000	1.000	49,257
2001	258	139,847	1.000	1.000	139,847
2002	246	126,506	1.000	1.000	126,506
2003	234	353,718	1.000	1.000	353,718
2004	222	19,829	1.000	1.000	19,829
2005	210	337,870	1.000	1.000	337,870
2006	198	617,807	1.000	1.000	617,807
2007	186	223,417	1.000	1.000	223,417
2008	174	458,082	1.000	1.000	458,082
2009	162	189,130	1.000	1.000	189,130
2010	150	395,164	1.000	1.000	395,164
2011	138	291,054	1.000	1.000	291,054
2012	126	553,085	1.000	1.000	553,085
2013	114	382,236	1.000	1.000	382,236
2014	102	453,848	1.000	1.000	453,848
2015	90	301,324	1.000	1.000	301,324
2016	78	187,357	1.000	1.000	187,357
2017	66	656,776	1.001	1.001	657,433
2018	54	547,024	1.005	1.006	550,309
2019	42	654,826	1.088	1.095	716,729
2020	30	735,626	1.208	1.322	972,642
2021	18	320,719	1.299	1.718	550,846
2022	6	50,257	2.513	4.316	216,917
Total		\$ 10,552,898			\$ 11,252,545

1. Loss amounts are net of deductibles and limited to \$250,000 per occurrence.

Confidential Information for the sole benefit and use of PwC's Client

PwC 2023 Rate Level Review as of 2022-06-30 on 2022-11-07

Washington State Transit Insurance Pool
General Liability

Incurred Loss - Cumulative
As of June 30, 2022

Accident Year	6	18	30	42	54	66	78	90	102	114	126	138	150	162	174	186	198	210	222	234	246	258	270	282	294	306	318	330	342	354	366	378	390	402				
1989																																						
1990																					36,740	36,740	36,740	36,740	36,740	36,740	36,740	36,740	36,740	36,740	36,740	36,740	36,740	36,740	36,740			
1991																			2,149	2,149	2,149	2,149	2,149	2,149	2,149	2,149	2,149	2,149	2,149	2,149	2,149	2,149	2,149	2,149				
1992																	97,141	97,141	97,141	97,141	97,141	97,141	97,141	97,141	97,141	97,141	97,141	97,141	97,141	97,141	97,141	97,141	97,141	97,141				
1993																					263,038	263,038	263,039	263,039	263,039	263,039	263,039	263,039	263,039	263,039	263,039	263,039	263,039	263,039	263,039			
1994																						49,255	49,255	49,255	49,255	49,255	49,255	49,255	49,255	49,255	49,255	49,255	49,255	49,255	49,255	70,648		
1995																						365,439	365,439	365,438	365,438	365,438	365,438	365,438	365,438	365,438	365,438	365,438	365,438	365,438	365,438	417,438		
1996																							268,985	268,985	268,985	268,985	268,985	268,985	268,985	268,985	268,985	268,985	268,985	268,985	268,985	268,985		
1997																							503,344	503,344	503,344	503,344	503,344	503,344	503,344	503,344	503,344	503,344	503,344	503,344	503,344	503,344		
1998																								409,806	409,806	409,806	409,806	409,806	409,806	409,806	409,806	409,806	409,806	409,806	409,806	409,806		
1999																									364,342	364,342	364,342	364,342	364,342	364,342	364,342	364,342	364,342	364,342	364,342	364,342	393,516	
2000																										27,970	27,970	27,970	27,970	27,970	27,970	27,970	27,970	27,970	27,970	27,970	27,970	49,257
2001																																						
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2021																																						
2022																																						

1. Loss amounts are net of deductibles and limited to \$250,000 per occurrence.

Washington State Transit Insurance Pool
General Liability

Ultimate Loss Based on Loss per Exposure
As of June 30, 2022

Accident Year	Exposures	Selected Loss per Exposure	Ultimate Loss (1) x (2)
	(1)	(2)	(3)
1989			
1990	845	39.700	33,547
1991	988	41.300	40,804
1992	1,008	43.000	43,344
1993	1,117	44.700	49,930
1994	1,275	46.500	59,288
1995	1,458	48.400	70,567
1996	1,835	50.300	92,301
1997	2,028	52.300	106,064
1998	2,070	54.400	112,608
1999	2,045	56.600	115,747
2000	1,841	58.900	108,435
2001	1,893	61.300	116,041
2002	2,073	63.800	132,257
2003	2,169	66.300	143,805
2004	2,743	69.000	189,267
2005	3,122	71.800	224,160
2006	3,199	74.700	238,965
2007	3,318	77.700	257,809
2008	3,444	80.800	278,275
2009	3,428	84.000	287,952
2010	4,190	87.400	366,206
2011	4,780	90.900	434,502
2012	4,521	94.500	427,235
2013	4,420	98.300	434,486
2014	4,477	102.200	457,549
2015	4,658	106.300	495,145
2016	4,934	110.600	545,700
2017	5,084	115.000	584,660
2018	5,236	119.600	626,226
2019	5,479	124.400	681,588
2020	5,252	129.400	679,609
2021	5,245	134.600	705,977
2022	5,672	140.000	794,080
Total	105,847		\$ 9,934,128

1. Loss amounts are net of deductibles and limited to \$250,000 per occurrence.
2. Exposures are number of employees.

Confidential Information for the sole benefit and use of PwC's Client

PwC 2023 Rate Level Review as of 2022-06-30 on 2022-11-07

Washington State Transit Insurance Pool
General Liability

Ultimate Loss Based on Bornhuetter-Ferguson Using Exposures and Paid Loss
As of June 30, 2022

Accident Year	Age (months)	Exposures	Selected Loss Rate	Expected Ultimate Loss (2) x (3)	Cumulative Development Factors	Percentage Undeveloped 1 - 1/(5)	Undeveloped Paid Loss (4) x (6)	Cumulative Paid Loss	Ultimate Loss (7) + (8)	Calculated Loss Rate (9) / (2)
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1989	402				1.000	0.00 %				
1990	390	845	39.700	33,547	1.000	0.00 %	0	36,740	36,740	43.479
1991	378	988	41.300	40,804	1.000	0.00 %	0	2,149	2,149	2.175
1992	366	1,008	43.000	43,344	1.000	0.00 %	0	97,141	97,141	96.370
1993	354	1,117	44.700	49,930	1.000	0.00 %	0	263,039	263,039	235.487
1994	342	1,275	46.500	59,288	1.000	0.00 %	0	70,648	70,648	55.410
1995	330	1,458	48.400	70,567	1.000	0.00 %	0	417,438	417,438	286.309
1996	318	1,835	50.300	92,301	1.000	0.00 %	0	268,985	268,985	146.586
1997	306	2,028	52.300	106,064	1.000	0.00 %	0	503,344	503,344	248.197
1998	294	2,070	54.400	112,608	1.000	0.00 %	0	455,139	455,139	219.874
1999	282	2,045	56.600	115,747	1.000	0.00 %	0	393,516	393,516	192.428
2000	270	1,841	58.900	108,435	1.000	0.00 %	0	49,257	49,257	26.756
2001	258	1,893	61.300	116,041	1.000	0.00 %	0	139,847	139,847	73.876
2002	246	2,073	63.800	132,257	1.000	0.00 %	0	126,506	126,506	61.026
2003	234	2,169	66.300	143,805	1.000	0.00 %	0	353,718	353,718	163.079
2004	222	2,743	69.000	189,267	1.000	0.00 %	0	19,829	19,829	7.229
2005	210	3,122	71.800	224,160	1.000	0.00 %	0	337,870	337,870	108.222
2006	198	3,199	74.700	238,965	1.000	0.00 %	0	617,807	617,807	193.125
2007	186	3,318	77.700	257,809	1.000	0.00 %	0	223,417	223,417	67.335
2008	174	3,444	80.800	278,275	1.000	0.00 %	0	458,082	458,082	133.009
2009	162	3,428	84.000	287,952	1.000	0.00 %	0	189,130	189,130	55.172
2010	150	4,190	87.400	366,206	1.001	0.10 %	366	395,164	395,530	94.399
2011	138	4,780	90.900	434,502	1.002	0.20 %	868	291,054	291,922	61.071
2012	126	4,521	94.500	427,235	1.004	0.40 %	1,704	553,085	554,789	122.714
2013	114	4,420	98.300	434,486	1.008	0.80 %	3,457	382,236	385,693	87.261
2014	102	4,477	102.200	457,549	1.014	1.39 %	6,348	453,848	460,196	102.791
2015	90	4,658	106.300	495,145	1.023	2.27 %	11,225	301,324	312,549	67.099
2016	78	4,934	110.600	545,700	1.038	3.62 %	19,735	187,357	207,092	41.972
2017	66	5,084	115.000	584,660	1.082	7.59 %	44,376	656,776	701,152	137.913
2018	54	5,236	119.600	626,226	1.207	17.12 %	107,217	310,646	417,863	79.806
2019	42	5,479	124.400	681,588	1.493	33.00 %	224,924	516,450	741,374	135.312
2020	30	5,252	129.400	679,609	2.099	52.35 %	355,756	248,428	604,184	115.039
2021	18	5,245	134.600	705,977	4.195	76.16 %	537,684	24,432	562,116	107.172
2022	6	5,672	140.000	794,080	15.005	93.34 %	741,160	257	741,417	130.715
Total		105,847		\$ 9,934,128			\$ 2,054,818	\$ 9,344,659	\$ 11,399,477	

1. Loss amounts are net of deductibles and limited to \$250,000 per occurrence.
2. Exposures are number of employees.
3. Selected development factors are based on industry trends in the State of Washington.

Washington State Transit Insurance Pool
General Liability

Ultimate Loss Based on Bornhuetter-Ferguson Using Exposures and Incurred Loss
As of June 30, 2022

Accident Year	Age (months)	Exposures	Selected Loss Rate	Expected Ultimate Loss (2) x (3)	Cumulative Development Factors	Percentage Undeveloped 1 - 1/(5)	Undeveloped Incurred Loss (4) x (6)	Cumulative Incurred Loss	Ultimate Loss (7) + (8)	Calculated Loss Rate (9) / (2)
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1989	402				1.000	0.00 %				
1990	390	845	39.700	33,547	1.000	0.00 %	0	36,740	36,740	43.479
1991	378	988	41.300	40,804	1.000	0.00 %	0	2,149	2,149	2.175
1992	366	1,008	43.000	43,344	1.000	0.00 %	0	97,141	97,141	96.370
1993	354	1,117	44.700	49,930	1.000	0.00 %	0	263,039	263,039	235.487
1994	342	1,275	46.500	59,288	1.000	0.00 %	0	70,648	70,648	55.410
1995	330	1,458	48.400	70,567	1.000	0.00 %	0	417,438	417,438	286.309
1996	318	1,835	50.300	92,301	1.000	0.00 %	0	268,985	268,985	146.586
1997	306	2,028	52.300	106,064	1.000	0.00 %	0	503,344	503,344	248.197
1998	294	2,070	54.400	112,608	1.000	0.00 %	0	455,139	455,139	219.874
1999	282	2,045	56.600	115,747	1.000	0.00 %	0	393,516	393,516	192.428
2000	270	1,841	58.900	108,435	1.000	0.00 %	0	49,257	49,257	26.756
2001	258	1,893	61.300	116,041	1.000	0.00 %	0	139,847	139,847	73.876
2002	246	2,073	63.800	132,257	1.000	0.00 %	0	126,506	126,506	61.026
2003	234	2,169	66.300	143,805	1.000	0.00 %	0	353,718	353,718	163.079
2004	222	2,743	69.000	189,267	1.000	0.00 %	0	19,829	19,829	7.229
2005	210	3,122	71.800	224,160	1.000	0.00 %	0	337,870	337,870	108.222
2006	198	3,199	74.700	238,965	1.000	0.00 %	0	617,807	617,807	193.125
2007	186	3,318	77.700	257,809	1.000	0.00 %	0	223,417	223,417	67.335
2008	174	3,444	80.800	278,275	1.000	0.00 %	0	458,082	458,082	133.009
2009	162	3,428	84.000	287,952	1.000	0.00 %	0	189,130	189,130	55.172
2010	150	4,190	87.400	366,206	1.000	0.00 %	0	395,164	395,164	94.311
2011	138	4,780	90.900	434,502	1.000	0.00 %	0	291,054	291,054	60.890
2012	126	4,521	94.500	427,235	1.000	0.00 %	0	553,085	553,085	122.337
2013	114	4,420	98.300	434,486	1.000	0.00 %	0	382,236	382,236	86.479
2014	102	4,477	102.200	457,549	1.000	0.00 %	0	453,848	453,848	101.373
2015	90	4,658	106.300	495,145	1.000	0.00 %	0	301,324	301,324	64.690
2016	78	4,934	110.600	545,700	1.000	0.00 %	0	187,357	187,357	37.973
2017	66	5,084	115.000	584,660	1.001	0.10 %	584	656,776	657,360	129.300
2018	54	5,236	119.600	626,226	1.006	0.60 %	3,738	547,024	550,762	105.188
2019	42	5,479	124.400	681,588	1.095	8.64 %	58,868	654,826	713,694	130.260
2020	30	5,252	129.400	679,609	1.322	24.37 %	165,609	735,626	901,235	171.598
2021	18	5,245	134.600	705,977	1.718	41.78 %	294,936	320,719	615,655	117.379
2022	6	5,672	140.000	794,080	4.316	76.83 %	610,102	50,257	660,359	116.424
Total		105,847		\$ 9,934,128			\$ 1,133,836	\$ 10,552,898	\$ 11,686,734	

1. Loss amounts are net of deductibles and limited to \$250,000 per occurrence.
2. Exposures are number of employees.
3. Selected development factors are based on industry trends in the State of Washington.

Washington State Transit Insurance Pool
 General Liability - Limited to \$250,000 per Occurrence, Net of Deductibles
 Bornhuetter-Ferguson Seed Calculation
 As of June 30, 2022

Accident Year	Paid Loss Ltd to \$250K (1)	Paid Loss Ltd to \$250K On-Level @ 4.00% to 2022 (2)	Incurred Loss Ltd to \$250K (3)	Incurred Loss Ltd to \$250K On-Level @ 4.00% to 2022 (4)	FTEs (5)	Paid Loss CDF (6)	Incurred Loss CDF (7)	Paid Burned Exposures (5)/(6) (8)	Incurred Burned Exposures (5)/(7) (9)	Paid Loss Rate (2)/(8) (10)	Incurred Loss Rate (4)/(9) (11)	Selected Loss Rate (12)
1990	36,740	128,886	36,740	128,886	845	1.000	1.000	845	845	152.5	152.5	39.7
1991	2,149	7,249	2,149	7,249	988	1.000	1.000	988	988	7.3	7.3	41.3
1992	97,141	315,067	97,141	315,067	1,008	1.000	1.000	1,008	1,008	312.6	312.6	43.0
1993	263,039	820,327	263,039	820,327	1,117	1.000	1.000	1,117	1,117	734.4	734.4	44.7
1994	49,255	147,701	49,255	147,701	1,275	1.000	1.000	1,275	1,275	115.8	115.8	46.5
1995	365,438	1,053,692	365,438	1,053,692	1,458	1.000	1.000	1,458	1,458	722.7	722.7	48.4
1996	268,985	745,753	268,985	745,753	1,835	1.000	1.000	1,835	1,835	406.4	406.4	50.3
1997	503,344	1,341,833	503,344	1,341,833	2,028	1.000	1.000	2,028	2,028	661.7	661.7	52.3
1998	414,806	1,063,274	414,806	1,063,274	2,070	1.000	1.000	2,070	2,070	513.7	513.7	54.4
1999	364,342	897,999	364,342	897,999	2,045	1.000	1.000	2,045	2,045	439.1	439.1	56.6
2000	27,970	66,287	27,970	66,287	1,841	1.000	1.000	1,841	1,841	36.0	36.0	58.9
2001	7,062	16,093	7,062	16,093	1,893	1.000	1.000	1,893	1,893	8.5	8.5	61.3
2002	96,211	210,810	96,211	210,810	2,073	1.000	1.000	2,073	2,073	101.7	101.7	63.8
2003	311,446	656,170	311,446	656,170	2,169	1.000	1.000	2,169	2,169	302.5	302.5	66.3
2004	19,087	38,667	19,087	38,667	2,743	1.000	1.000	2,743	2,743	14.1	14.1	69.0
2005	232,709	453,294	232,709	453,294	3,122	1.000	1.000	3,122	3,122	145.2	145.2	71.8
2006	315,126	590,225	315,126	590,225	3,199	1.000	1.000	3,199	3,199	184.5	184.5	74.7
2007	214,018	385,434	214,018	385,434	3,318	1.000	1.000	3,318	3,318	116.2	116.2	77.7
2008	454,330	786,753	454,330	786,753	3,444	1.000	1.000	3,444	3,444	228.4	228.4	80.8
2009	187,377	311,996	187,377	311,996	3,428	1.000	1.000	3,428	3,428	91.0	91.0	84.0
2010	395,030	632,456	395,030	632,456	4,190	1.001	1.000	4,186	4,190	151.1	150.9	87.4
2011	291,054	448,064	291,054	448,064	4,780	1.002	1.000	4,770	4,780	93.9	93.7	90.9
2012	553,085	818,701	553,085	818,701	4,521	1.004	1.000	4,503	4,521	181.8	181.1	94.5
2013	382,236	544,041	382,236	544,041	4,420	1.008	1.000	4,385	4,420	124.1	123.1	98.3
2014	453,848	621,122	453,848	621,122	4,477	1.014	1.000	4,415	4,477	140.7	138.7	102.2
2015	301,324	396,522	301,324	396,522	4,658	1.023	1.000	4,552	4,658	87.1	85.1	106.3
2016	187,357	237,066	187,357	237,066	4,934	1.038	1.000	4,756	4,934	49.9	48.0	110.6
2017	656,776	799,068	656,776	799,068	5,084	1.082	1.001	4,698	5,079	170.1	157.3	115.0
2018	310,646	363,412	310,646	363,412	5,236	1.207	1.006	4,340	5,205	83.7	123.0	119.6
2019	516,450	580,936	516,450	580,936	5,479	1.493	1.095	3,671	5,006	158.3	147.1	124.4
2020	248,428	268,700	248,428	268,700	735,626	2.099	1.322	2,503	3,972	107.4	200.3	129.4
2021	24,432	25,409	24,432	25,409	320,719	333,548	4.195	1,718	3,054	20.3	109.2	134.6
2022	257	257	50,257	50,257	5,672	15,005	4,316	378	1,314	0.7	38.2	140.0
Total	8,551,498	15,773,264	9,759,737	17,090,539	105,847			90,306	97,509	174.7	175.3	
10 Yr Avg	3,081,754	3,836,534	4,289,993	5,153,809	50,457			34,947	42,119	109.8	122.4	
9 Yr Avg	2,699,518	3,292,493	3,907,757	4,609,768	46,037			30,563	37,699	107.7	122.3	
8 Yr Avg	2,245,670	2,671,371	3,453,909	3,988,645	41,560			26,148	33,222	102.2	120.1	
7 Yr Avg	1,944,346	2,274,849	3,152,585	3,592,124	36,902			21,595	28,564	105.3	125.8	
6 Yr Avg	1,756,989	2,037,782	2,965,228	3,355,057	31,968			16,840	23,630	121.0	142.0	
5 Yr Avg	1,100,213	1,238,714	2,308,452	2,555,989	26,884			12,142	18,551	102.0	137.8	
4 Yr Avg	789,567	875,302	1,761,428	1,916,048	21,648			7,802	13,346	112.2	143.6	
3 Yr Avg	273,117	294,366	1,106,602	1,179,458	16,169			4,131	8,340	71.3	141.4	

Selected Loss per Exposure: 140.0

- Columns (1), (3) and (5) were provided by Pool management.
- Columns (6) and (7) are from Exhibits 5-3 and 5-6.
- Loss per exposure in column (12) is selected based on the averages in columns (10) and (11). A 4% trend is used to discount the selected loss per exposure over time.

Washington State Transit Insurance Pool General Liability

Cumulative Paid Loss per Exposure As of June 30, 2022

Accident Year	6	18	30	42	54	66	78	90	102	114	126	138	150	162	174	186	198	210	222	234	246	258	270	282	294	306	318	330	342	354	366	378	390	402		
1989																																				
1990																			43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	
1991																			2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
1992																	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	
1993																235	235	235	235	235	235	235	235	235	235	235	235	235	235	235	235	235	235	235	235	
1994															39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	
1995															251	251	251	251	251	251	251	251	251	251	251	251	251	251	251	251	251	251	251	251	251	
1996															147	147	147	147	147	147	147	147	147	147	147	147	147	147	147	147	147	147	147	147	147	
1997															248	248	248	248	248	248	248	248	248	248	248	248	248	248	248	248	248	248	248	248	248	
1998															198	198	198	198	198	198	198	198	198	198	198	198	198	198	198	198	198	198	198	198	198	
1999															178	178	178	178	178	178	178	178	178	178	178	178	178	178	178	178	178	178	178	178	178	
2000															15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	
2001															4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
2002															46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46
2003															135	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144
2004															7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
2005															52	67	74	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75
2006															57	65	65	67	71	89	89	98	99	99	99	99	99	99	99	99	99	99	99	99	99	99
2007															16	28	47	51	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65
2008															4	57	94	149	148	148	148	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132
2009															2	9	23	53	53	53	53	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
2010															3	19	22	41	94	93	93	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94
2011															2	6	9	59	59	59	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61
2012															5	25	34	79	119	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122
2013															0	7	37	79	83	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86
2014															2	14	63	92	97	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101
2015															3	26	49	48	54	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65
2016															7	10	22	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
2017															57	73	88	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129
2018															6	21	57	58	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59
2019															6	53	72	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94
2020															1	31	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47
2021															0	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
2022															0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Washington State Transit Insurance Pool
General Liability

Cumulative Incurred Loss per Exposure
As of June 30, 2022

Accident Year	6	18	30	42	54	66	78	90	102	114	126	138	150	162	174	186	198	210	222	234	246	258	270	282	294	306	318	330	342	354	366	378	390	402		
1989																																				
1990																				43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	
1991																				2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
1992																		96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	
1993																	235	235	235	235	235	235	235	235	235	235	235	235	235	235	235	235	235	235	235	
1994																39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	
1995																	251	251	251	251	251	251	251	251	251	251	251	251	251	251	251	251	251	251	251	
1996																147	147	147	147	147	147	147	147	147	147	147	147	147	147	147	147	147	147	147	147	
1997																	248	248	248	248	248	248	248	248	248	248	248	248	248	248	248	248	248	248	248	
1998																	198	198	198	198	198	198	198	198	198	198	198	198	198	198	198	198	198	198	198	
1999																	178	178	178	178	178	178	178	178	178	178	178	178	178	178	178	178	178	178	178	
2000																	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	
2001																	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
2002																		46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46
2003																		170	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144
2004																			7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
2005																				57	72	74	75	75	75	75	75	75	75	75	75	75	75	75	75	75
2006																					72	71	84	89	101	98	104	98	99	99	99	99	99	99	99	99
2007																					31	49	58	76	65	65	65	65	65	65	65	65	65	65	65	65
2008																					22	113	141	149	148	148	148	148	132	132	132	132	132	132	132	133
2009																					2	34	39	53	53	53	53	55	55	55	55	55	55	55	55	55
2010																					12	39	34	65	94	93	93	94	94	94	94	94	94	94	94	94
2011																					5	10	109	61	59	59	61	61	61	61	61	61	61	61	61	61
2012																					37	79	104	133	119	122	122	122	122	122	122	122	122	122	122	122
2013																					3	30	71	79	109	86	86	86	86	86	86	86	86	86	86	86
2014																					13	46	88	118	112	101	101	101	101	101	101	101	101	101	101	101
2015																					23	49	60	106	101	65	65	65	65	65	65	65	65	65	65	65
2016																					13	22	38	41	38	38	38	38	38	38	38	38	38	38	38	38
2017																					115	124	126	134	129	129	129	129	129	129	129	129	129	129	129	129
2018																					16	70	77	130	104	104	104	104	104	104	104	104	104	104	104	104
2019																					27	90	130	120	120	120	120	120	120	120	120	120	120	120	120	120
2020																					70	134	140	140	140	140	140	140	140	140	140	140	140	140	140	140
2021																					25	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61
2022																					9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	

Washington State Transit Insurance Pool
General Liability

Summary of Claim Count Estimates
As of June 30, 2022

Accident Year	Ultimate Claims <u>(1)</u>	Selected Proportion Earned <u>(2)</u>	Prorated Ultimate Claims (1) x (2) <u>(3)</u>	Reported Claims <u>(4)</u>	Closed Claims <u>(5)</u>	Open Claims (4) - (5) <u>(6)</u>	IBNR Claims (3) - (4) <u>(7)</u>	Total Open and IBNR Claims (6) + (7) <u>(8)</u>
1989								
1990	6	1.000	6	6	6	0	0	0
1991	5	1.000	5	5	5	0	0	0
1992	15	1.000	15	15	15	0	0	0
1993	7	1.000	7	7	7	0	0	0
1994	8	1.000	8	8	8	0	0	0
1995	11	1.000	11	11	11	0	0	0
1996	20	1.000	20	20	20	0	0	0
1997	20	1.000	20	20	20	0	0	0
1998	14	1.000	14	14	14	0	0	0
1999	17	1.000	17	17	17	0	0	0
2000	13	1.000	13	13	13	0	0	0
2001	16	1.000	16	16	16	0	0	0
2002	18	1.000	18	18	18	0	0	0
2003	18	1.000	18	18	18	0	0	0
2004	16	1.000	16	16	16	0	0	0
2005	21	1.000	21	21	21	0	0	0
2006	23	1.000	23	23	23	0	0	0
2007	12	1.000	12	12	12	0	0	0
2008	25	1.000	25	25	25	0	0	0
2009	21	1.000	21	21	21	0	0	0
2010	21	1.000	21	21	21	0	0	0
2011	23	1.000	23	23	23	0	0	0
2012	25	1.000	25	25	25	0	0	0
2013	29	1.000	29	29	29	0	0	0
2014	21	1.000	21	21	21	0	0	0
2015	29	1.000	29	29	29	0	0	0
2016	19	1.000	19	19	19	0	0	0
2017	16	1.000	16	16	16	0	0	0
2018	16	1.000	16	16	15	1	0	1
2019	23	1.000	23	23	21	2	0	2
2020	25	1.000	25	24	20	4	1	5
2021	11	1.000	11	10	3	7	1	8
2022	16	0.500	8	5	3	2	3	5
Total	580		572	567	551	16	5	21

1. Column (1) is from Exhibit 5-16.

Washington State Transit Insurance Pool
General Liability

Comparison of Ultimate Claims Estimates
As of June 30, 2022

Accident Year	Reported Claim Development	Claim Frequency	Ultimate Claims
	(1)	(2)	(3)
1989			
1990	6	6	6
1991	5	5	5
1992	15	15	15
1993	7	7	7
1994	8	8	8
1995	11	11	11
1996	20	20	20
1997	20	20	20
1998	14	14	14
1999	17	17	17
2000	13	13	13
2001	16	16	16
2002	18	18	18
2003	18	18	18
2004	16	16	16
2005	21	21	21
2006	23	23	23
2007	12	12	12
2008	25	25	25
2009	21	21	21
2010	21	21	21
2011	23	23	23
2012	25	25	25
2013	29	29	29
2014	21	21	21
2015	29	29	29
2016	19	19	19
2017	16	16	16
2018	16	16	16
2019	23	23	23
2020	25	25	25
2021	11	11	11
2022	12	19	16
Total	576	583	580

1. Column (1) is from Exhibit 5-17.
2. Column (2) is from Exhibit 5-20.

Washington State Transit Insurance Pool
General Liability

Ultimate Claims Based on Reported Claim Development
As of June 30, 2022

Accident Year	Age (months)	Cumulative Reported Claims	Selected Development Factors	Cumulative Development Factors	Ultimate Claims (2) x (4)
(1)	(2)	(3)	(4)	(5)	
1989	402		1.000	1.000	
1990	390	6	1.000	1.000	6
1991	378	5	1.000	1.000	5
1992	366	15	1.000	1.000	15
1993	354	7	1.000	1.000	7
1994	342	8	1.000	1.000	8
1995	330	11	1.000	1.000	11
1996	318	20	1.000	1.000	20
1997	306	20	1.000	1.000	20
1998	294	14	1.000	1.000	14
1999	282	17	1.000	1.000	17
2000	270	13	1.000	1.000	13
2001	258	16	1.000	1.000	16
2002	246	18	1.000	1.000	18
2003	234	18	1.000	1.000	18
2004	222	16	1.000	1.000	16
2005	210	21	1.000	1.000	21
2006	198	23	1.000	1.000	23
2007	186	12	1.000	1.000	12
2008	174	25	1.000	1.000	25
2009	162	21	1.000	1.000	21
2010	150	21	1.000	1.000	21
2011	138	23	1.000	1.000	23
2012	126	25	1.000	1.000	25
2013	114	29	1.000	1.000	29
2014	102	21	1.000	1.000	21
2015	90	29	1.000	1.000	29
2016	78	19	1.000	1.000	19
2017	66	16	1.000	1.000	16
2018	54	16	1.000	1.000	16
2019	42	23	1.011	1.011	23
2020	30	24	1.028	1.039	25
2021	18	10	1.043	1.084	11
2022	6	5	2.286	2.478	12
Total		567			576

Washington State Transit Insurance Pool General Liability

Reported Claims - Cumulative As of June 30, 2022

Accident Year	6	18	30	42	54	66	78	90	102	114	126	138	150	162	174	186	198	210	222	234	246	258	270	282	294	306	318	330	342	354	366	378	390	402	
1989																																			
1990										4	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
1991									0	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
1992								15	15	15	15	15	15	15	15	15	15	15	15	14	14	14	14	14	14	14	15	15	15	15	15	15	15	15	15
1993							7	8	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
1994						7	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
1995					13	12	12	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
1996				19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
1997			19	19	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
1998		14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
1999	8	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
2000	7	11	12	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
2001	6	14	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
2002	5	17	17	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
2003	5	14	15	16	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
2004	10	17	17	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
2005	9	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21
2006	4	21	22	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
2007	4	10	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
2008	9	22	24	26	26	26	26	26	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
2009	4	16	17	17	17	17	20	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21
2010	7	19	19	20	20	21	20	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21
2011	9	18	20	22	22	21	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
2012	10	22	23	24	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
2013	14	26	28	27	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
2014	9	20	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21
2015	15	28	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
2016	8	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
2017	12	15	15	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
2018	7	15	16	17	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
2019	8	22	21	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
2020	10	23	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
2021	2	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
2022	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5

Washington State Transit Insurance Pool
General Liability

Ultimate Claims Based on Claim Frequency
As of June 30, 2022

Accident Year	Exposures	Selected Claim Frequency	Ultimate Claims (1) x (2)
	(1)	(2)	(3)
1989			
1990	845	0.007	6
1991	988	0.005	5
1992	1,008	0.015	15
1993	1,117	0.006	7
1994	1,275	0.006	8
1995	1,458	0.008	11
1996	1,835	0.011	20
1997	2,028	0.010	20
1998	2,070	0.007	14
1999	2,045	0.008	17
2000	1,841	0.007	13
2001	1,893	0.008	16
2002	2,073	0.009	18
2003	2,169	0.008	18
2004	2,743	0.006	16
2005	3,122	0.007	21
2006	3,199	0.007	23
2007	3,318	0.004	12
2008	3,444	0.007	25
2009	3,428	0.006	21
2010	4,190	0.005	21
2011	4,780	0.005	23
2012	4,521	0.006	25
2013	4,420	0.007	29
2014	4,477	0.005	21
2015	4,658	0.006	29
2016	4,934	0.004	19
2017	5,084	0.003	16
2018	5,236	0.003	16
2019	5,479	0.004	23
2020	5,252	0.005	25
2021	5,245	0.002	11
2022	5,672	0.003	19
Total	105,847		583

1. Exposures are number of employees.

Washington State Transit Insurance Pool
Auto Physical Damage

Summary of Net Losses and Reserves - Net of Deductibles
As of June 30, 2022

Accident Year	Paid Loss	Case Loss Reserve	Incurred Loss (1) + (2)	IBNR Loss Reserves	Ultimate Loss (3) + (4)	Total Loss Reserves (2) + (4)
	(1)	(2)	(3)	(4)	(5)	(6)
1989						
1990						
1991	15,254	0	15,254	0	15,254	0
1992	843	0	843	0	843	0
1993	12,425	0	12,425	0	12,425	0
1994	257	0	257	0	257	0
1995	10,352	0	10,352	0	10,352	0
1996	118,971	0	118,971	0	118,971	0
1997	14,293	0	14,293	0	14,293	0
1998	42,167	0	42,167	0	42,167	0
1999	160,070	0	160,070	0	160,070	0
2000	83,159	0	83,159	0	83,159	0
2001	274,723	0	274,723	0	274,723	0
2002	3,512	0	3,512	0	3,512	0
2003	247,908	0	247,908	0	247,908	0
2004	144,834	0	144,834	0	144,834	0
2005	221,271	0	221,271	0	221,271	0
2006	360,875	0	360,875	0	360,875	0
2007	287,471	0	287,471	0	287,471	0
2008	161,247	0	161,247	0	161,247	0
2009	530,076	0	530,076	0	530,076	0
2010	391,931	0	391,931	0	391,931	0
2011	334,946	0	334,946	0	334,946	0
2012	420,761	0	420,761	0	420,761	0
2013	202,544	0	202,544	0	202,544	0
2014	328,600	0	328,600	0	328,600	0
2015	747,192	0	747,192	0	747,192	0
2016	299,740	0	299,740	0	299,740	0
2017	425,124	0	425,124	0	425,124	0
2018	1,123,736	100,574	1,224,310	0	1,224,310	100,574
2019	620,544	10,000	630,544	0	630,544	10,000
2020	272,094	0	272,094	0	272,094	0
2021	592,545	180,191	772,736	42,264	815,000	222,455
2022	118,560	604,756	723,316	67,494	790,810	672,250
Total	\$ 8,568,025	\$ 895,521	\$ 9,463,546	\$ 109,758	\$ 9,573,304	\$ 1,005,279

1. Column (5) is from Exhibit 6-2. Ultimate loss for accident year 2022 reflects the first six months only.

Confidential Information for the sole benefit and use of PwC's Client

PwC 2023 Rate Level Review as of 2022-06-30 on 2022-11-07

Washington State Transit Insurance Pool
Auto Physical Damage

Comparison of Ultimate Loss Estimates
As of June 30, 2022

Accident Year	Paid Loss Development	Incurred Loss Development	Loss per Exposure	Bornhuetter- Ferguson Using Exposures and Paid Loss	Bornhuetter- Ferguson Using Exposures and Incurred Loss	Ultimate Loss
	(1)	(2)	(3)	(4)	(5)	(6)
1989						
1990						
1991	15,254	15,254	228,125	15,254	15,254	15,254
1992	843	843	234,375	843	843	843
1993	12,425	12,425	243,750	12,425	12,425	12,425
1994	257	257	250,000	257	257	257
1995	10,352	10,352	256,250	10,352	10,352	10,352
1996	118,971	118,971	265,625	118,971	118,971	118,971
1997	14,293	14,293	271,875	14,293	14,293	14,293
1998	42,167	42,167	281,250	42,167	42,167	42,167
1999	160,070	160,070	290,625	160,070	160,070	160,070
2000	83,159	83,159	300,000	83,159	83,159	83,159
2001	274,723	274,723	306,250	274,723	274,723	274,723
2002	3,512	3,512	315,625	3,512	3,512	3,512
2003	247,908	247,908	325,000	247,908	247,908	247,908
2004	144,834	144,834	337,500	144,834	144,834	144,834
2005	221,271	221,271	346,875	221,271	221,271	221,271
2006	360,875	360,875	356,250	360,875	360,875	360,875
2007	287,471	287,471	368,750	287,471	287,471	287,471
2008	161,247	161,247	378,125	161,247	161,247	161,247
2009	530,076	530,076	412,500	530,076	530,076	530,076
2010	391,931	391,931	500,000	391,931	391,931	391,931
2011	334,946	334,946	578,125	334,946	334,946	334,946
2012	420,761	420,761	593,750	420,761	420,761	420,761
2013	202,544	202,544	612,500	202,544	202,544	202,544
2014	328,600	328,600	631,250	328,600	328,600	328,600
2015	747,192	747,192	650,000	747,192	747,192	747,192
2016	299,740	299,740	668,750	299,740	299,740	299,740
2017	425,124	425,124	690,625	425,124	425,124	425,124
2018	1,129,355	1,224,310	615,625	1,126,799	1,224,310	1,224,310
2019	643,603	630,544	621,875	642,825	630,544	630,544
2020	327,076	272,094	690,625	388,188	272,094	272,094
2021	867,557	805,191	806,250	848,123	805,234	815,000
2022	877,824	1,774,952	787,500	799,699	1,189,900	1,175,000
Total	\$ 9,685,961	\$ 10,547,637	\$ 14,215,625	\$ 9,646,180	\$ 9,962,627	\$ 9,957,494

1. Loss amounts are net of self-insured retentions and net of deductibles.
2. Column (1) is from Exhibit 6-3.
3. Column (2) is from Exhibit 6-6.
4. Column (3) is from Exhibit 6-9.
5. Column (4) is from Exhibit 6-10.
6. Column (5) is from Exhibit 6-11.

Confidential Information for the sole benefit and use of PwC's Client

PwC 2023 Rate Level Review as of 2022-06-30 on 2022-11-07

Washington State Transit Insurance Pool
Auto Physical Damage

Ultimate Loss Based on Paid Loss Development
As of June 30, 2022

Accident Year	Age (months)	Cumulative Paid Loss	Selected Development Factors	Cumulative Development Factors	Ultimate Loss (2) x (4)
(1)	(2)	(3)	(4)	(5)	
1989	402		1.000	1.000	
1990	390		1.000	1.000	
1991	378	15,254	1.000	1.000	15,254
1992	366	843	1.000	1.000	843
1993	354	12,425	1.000	1.000	12,425
1994	342	257	1.000	1.000	257
1995	330	10,352	1.000	1.000	10,352
1996	318	118,971	1.000	1.000	118,971
1997	306	14,293	1.000	1.000	14,293
1998	294	42,167	1.000	1.000	42,167
1999	282	160,070	1.000	1.000	160,070
2000	270	83,159	1.000	1.000	83,159
2001	258	274,723	1.000	1.000	274,723
2002	246	3,512	1.000	1.000	3,512
2003	234	247,908	1.000	1.000	247,908
2004	222	144,834	1.000	1.000	144,834
2005	210	221,271	1.000	1.000	221,271
2006	198	360,875	1.000	1.000	360,875
2007	186	287,471	1.000	1.000	287,471
2008	174	161,247	1.000	1.000	161,247
2009	162	530,076	1.000	1.000	530,076
2010	150	391,931	1.000	1.000	391,931
2011	138	334,946	1.000	1.000	334,946
2012	126	420,761	1.000	1.000	420,761
2013	114	202,544	1.000	1.000	202,544
2014	102	328,600	1.000	1.000	328,600
2015	90	747,192	1.000	1.000	747,192
2016	78	299,740	1.000	1.000	299,740
2017	66	425,124	1.000	1.000	425,124
2018	54	1,123,736	1.005	1.005	1,129,355
2019	42	620,544	1.032	1.037	643,603
2020	30	272,094	1.159	1.202	327,076
2021	18	592,545	1.218	1.464	867,557
2022	6	118,560	5.057	7.404	877,824
Total		\$ 8,568,025			\$ 9,685,961

Washington State Transit Insurance Pool Auto Physical Damage

Paid Loss Development As of June 30, 2022

Accident Year	6-18	18-30	30-42	42-54	54-66	66-78	78-90	90-102	102-114	114-126	126-138	138-150	150-162	162-174	174-186	186-198	198-210	210-222	222-234	234-246	246-258	258-270	270-282	282-294	294-306	306-318	318-330	330-342	342-354	354-366	366-378	378-390	390-402	402-Ult		
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Avg	10.387	1.225	1.540	1.034	0.991	1.008	0.999	1.160	1.003	1.004	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.001	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000			
Vol Wtd Avg	5.057	1.218	1.159	1.032	1.011	1.012	0.999	1.001	1.005	1.003	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.001	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000		
8 Yr Vol Wtd Avg	6.030	1.308	1.134	1.069	0.988	1.001	0.998	0.998	1.007	1.004	0.996	0.998	1.000	1.000	1.000	1.000	1.000	1.001	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000		
7 Yr Vol Wtd Avg	6.629	1.326	1.123	1.077	0.981	1.001	0.998	0.998	1.008	1.005	0.996	0.998	1.000	1.000	1.000	1.000	1.000	1.001	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000		
6 Yr Vol Wtd Avg	5.196	1.291	1.121	1.060	0.992	1.001	0.997	0.995	1.002	1.002	0.996	0.998	1.000	1.000	1.000	1.000	1.000	1.001	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000		
5 Yr Vol Wtd Avg	5.190	1.394	1.108	1.058	0.989	1.002	0.997	0.994	1.002	1.002	0.995	0.998	1.000	1.000	1.000	1.000	1.000	1.001	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000		
4 Yr Vol Wtd Avg	5.822	1.398	1.140	1.055	0.986	0.996	0.992	0.987	0.995	0.994	0.991	0.997	1.000	1.000	1.000	1.000	1.000	1.000	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000		
3 Yr Vol Wtd Avg	10.476	1.466	1.134	1.053	0.997	0.998	0.997	0.994	1.000	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000		
Selected	5.057	1.218	1.159	1.032	1.005	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000		
Cumulative	7.404	1.464	1.202	1.037	1.005	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000		
Ratio to Ultimate	0.135	0.683	0.832	0.964	0.995	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000		

Washington State Transit Insurance Pool
Auto Physical Damage

Ultimate Loss Based on Incurred Loss Development
As of June 30, 2022

Accident Year	Age (months)	Cumulative Incurred Loss	Selected Development Factors	Cumulative Development Factors	Ultimate Loss (2) x (4)
(1)	(2)	(3)	(4)	(5)	
1989	402		1.000	1.000	
1990	390		1.000	1.000	
1991	378	15,254	1.000	1.000	15,254
1992	366	843	1.000	1.000	843
1993	354	12,425	1.000	1.000	12,425
1994	342	257	1.000	1.000	257
1995	330	10,352	1.000	1.000	10,352
1996	318	118,971	1.000	1.000	118,971
1997	306	14,293	1.000	1.000	14,293
1998	294	42,167	1.000	1.000	42,167
1999	282	160,070	1.000	1.000	160,070
2000	270	83,159	1.000	1.000	83,159
2001	258	274,723	1.000	1.000	274,723
2002	246	3,512	1.000	1.000	3,512
2003	234	247,908	1.000	1.000	247,908
2004	222	144,834	1.000	1.000	144,834
2005	210	221,271	1.000	1.000	221,271
2006	198	360,875	1.000	1.000	360,875
2007	186	287,471	1.000	1.000	287,471
2008	174	161,247	1.000	1.000	161,247
2009	162	530,076	1.000	1.000	530,076
2010	150	391,931	1.000	1.000	391,931
2011	138	334,946	1.000	1.000	334,946
2012	126	420,761	1.000	1.000	420,761
2013	114	202,544	1.000	1.000	202,544
2014	102	328,600	1.000	1.000	328,600
2015	90	747,192	1.000	1.000	747,192
2016	78	299,740	1.000	1.000	299,740
2017	66	425,124	1.000	1.000	425,124
2018	54	1,224,310	1.000	1.000	1,224,310
2019	42	630,544	1.000	1.000	630,544
2020	30	272,094	1.000	1.000	272,094
2021	18	772,736	1.042	1.042	805,191
2022	6	723,316	2.355	2.454	1,774,952
Total		\$ 9,463,546			\$ 10,547,637

Confidential Information for the sole benefit and use of PwC's Client

PwC 2023 Rate Level Review as of 2022-06-30 on 2022-11-07

Washington State Transit Insurance Pool Auto Physical Damage

Incurred Loss Development As of June 30, 2022

Accident Year	6-18	18-30	30-42	42-54	54-66	66-78	78-90	90-102	102-114	114-126	126-138	138-150	150-162	162-174	174-186	186-198	198-210	210-222	222-234	234-246	246-258	258-270	270-282	282-294	294-306	306-318	318-330	330-342	342-354	354-366	366-378	378-390	390-402	402-Ult		
1989																																				
1990																																				
1991								4.685	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
1992							0.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
1993						0.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
1994					0.000	0.000	0.000	0.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
1995				1.359	0.264	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
1996			1.621	0.422	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
1997		0.541	1.034	0.906	0.978	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
1998	10.715	4.372	0.628	1.000	1.045	0.957	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
1999	3.119	1.637	0.999	0.942	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
2000	3.505	1.014	0.982	0.993	0.998	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
2001	2.042	0.911	1.001	0.962	1.000	1.000	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
2002	0.654	0.583	0.761	1.000	1.101	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
2003	3.079	0.872	1.406	1.005	1.027	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
2004	3.504	1.013	1.404	0.999	0.999	1.000	1.000	1.000	1.002	0.998	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
2005	1.346	0.986	0.976	1.002	0.993	0.994	0.999	1.001	0.998	1.000	1.000	1.000	1.000	1.002	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
2006	1.628	1.172	1.140	0.992	1.082	1.151	1.001	1.000	1.022	1.000	1.002	0.998	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
2007	5.210	1.063	1.166	1.004	1.009	1.001	1.000	1.000	1.080	1.000	1.015	0.984	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
2008	1.487	0.879	1.223	1.072	0.955	0.997	0.994	1.030	1.000	1.087	0.924	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
2009	3.351	0.957	1.010	1.004	1.070	1.000	1.001	1.000	1.020	0.982	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
2010	1.582	1.004	1.083	0.879	1.033	1.000	0.997	1.016	0.983	0.998	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
2011	1.394	1.185	0.904	0.995	0.911	0.999	1.026	0.970	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
2012	1.460	1.024	1.217	1.045	1.009	1.025	0.975	0.993	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
2013	2.185	0.971	1.165	1.085	1.011	0.979	0.994	0.993	0.997	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
2014	1.757	1.352	1.008	1.070	0.942	0.996	0.995	0.995	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
2015	21.464	0.929	1.073	0.999	0.998	0.998	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
2016	8.355	0.986	0.956	0.956	1.000	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
2017	2.391	0.989	1.026	0.871	0.992	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
2018	2.121	1.238	1.018	1.046	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
2019	4.640	0.932	0.981	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
2020	2.676	0.924	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
2021	1.482	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
2022																																				
Avg	3.798	1.147	1.074	0.984	0.975	1.004	0.999	1.160	1.003	1.004	0.997	0.999	1.000	1.000</																						

Washington State Transit Insurance Pool
Auto Physical Damage

Ultimate Loss Based on Loss per Exposure
As of June 30, 2022

Accident Year	Exposures	Selected Loss per Exposure	Ultimate Loss (1) x (2)
	(1)	(2)	(3)
1989			
1990			
1991	73	3,125.000	228,125
1992	75	3,125.000	234,375
1993	78	3,125.000	243,750
1994	80	3,125.000	250,000
1995	82	3,125.000	256,250
1996	85	3,125.000	265,625
1997	87	3,125.000	271,875
1998	90	3,125.000	281,250
1999	93	3,125.000	290,625
2000	96	3,125.000	300,000
2001	98	3,125.000	306,250
2002	101	3,125.000	315,625
2003	104	3,125.000	325,000
2004	108	3,125.000	337,500
2005	111	3,125.000	346,875
2006	114	3,125.000	356,250
2007	118	3,125.000	368,750
2008	121	3,125.000	378,125
2009	132	3,125.000	412,500
2010	160	3,125.000	500,000
2011	185	3,125.000	578,125
2012	190	3,125.000	593,750
2013	196	3,125.000	612,500
2014	202	3,125.000	631,250
2015	208	3,125.000	650,000
2016	214	3,125.000	668,750
2017	221	3,125.000	690,625
2018	197	3,125.000	615,625
2019	199	3,125.000	621,875
2020	221	3,125.000	690,625
2021	258	3,125.000	806,250
2022	252	3,125.000	787,500
Total	4,549		\$ 14,215,625

1. Exposures are adjusted vehicle values in millions.

Washington State Transit Insurance Pool
Auto Physical Damage

Ultimate Loss Based on Bornhuetter-Ferguson Using Exposures and Paid Loss
As of June 30, 2022

Accident Year	Age (months)	Exposures	Selected Loss Rate	Expected Ultimate Loss (2) x (3)	Cumulative Development Factors	Percentage Undeveloped 1 - 1/(5)	Undeveloped Paid Loss (4) x (6)	Cumulative Paid Loss	Ultimate Loss (7) + (8)	Calculated Loss Rate (9) / (2)
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1989	402				1.000	0.00 %				
1990	390				1.000	0.00 %				
1991	378	73	3,125.000	228,125	1.000	0.00 %	0	15,254	15,254	208.959
1992	366	75	3,125.000	234,375	1.000	0.00 %	0	843	843	11.240
1993	354	78	3,125.000	243,750	1.000	0.00 %	0	12,425	12,425	159.295
1994	342	80	3,125.000	250,000	1.000	0.00 %	0	257	257	3.213
1995	330	82	3,125.000	256,250	1.000	0.00 %	0	10,352	10,352	126.244
1996	318	85	3,125.000	265,625	1.000	0.00 %	0	118,971	118,971	1,399.659
1997	306	87	3,125.000	271,875	1.000	0.00 %	0	14,293	14,293	164.287
1998	294	90	3,125.000	281,250	1.000	0.00 %	0	42,167	42,167	468.522
1999	282	93	3,125.000	290,625	1.000	0.00 %	0	160,070	160,070	1,721.183
2000	270	96	3,125.000	300,000	1.000	0.00 %	0	83,159	83,159	866.240
2001	258	98	3,125.000	306,250	1.000	0.00 %	0	274,723	274,723	2,803.296
2002	246	101	3,125.000	315,625	1.000	0.00 %	0	3,512	3,512	34.772
2003	234	104	3,125.000	325,000	1.000	0.00 %	0	247,908	247,908	2,383.731
2004	222	108	3,125.000	337,500	1.000	0.00 %	0	144,834	144,834	1,341.056
2005	210	111	3,125.000	346,875	1.000	0.00 %	0	221,271	221,271	1,993.432
2006	198	114	3,125.000	356,250	1.000	0.00 %	0	360,875	360,875	3,165.570
2007	186	118	3,125.000	368,750	1.000	0.00 %	0	287,471	287,471	2,436.195
2008	174	121	3,125.000	378,125	1.000	0.00 %	0	161,247	161,247	1,332.620
2009	162	132	3,125.000	412,500	1.000	0.00 %	0	530,076	530,076	4,015.727
2010	150	160	3,125.000	500,000	1.000	0.00 %	0	391,931	391,931	2,449.569
2011	138	185	3,125.000	578,125	1.000	0.00 %	0	334,946	334,946	1,810.519
2012	126	190	3,125.000	593,750	1.000	0.00 %	0	420,761	420,761	2,214.532
2013	114	196	3,125.000	612,500	1.000	0.00 %	0	202,544	202,544	1,033.388
2014	102	202	3,125.000	631,250	1.000	0.00 %	0	328,600	328,600	1,626.733
2015	90	208	3,125.000	650,000	1.000	0.00 %	0	747,192	747,192	3,592.269
2016	78	214	3,125.000	668,750	1.000	0.00 %	0	299,740	299,740	1,400.654
2017	66	221	3,125.000	690,625	1.000	0.00 %	0	425,124	425,124	1,923.638
2018	54	197	3,125.000	615,625	1.005	0.50 %	3,063	1,123,736	1,126,799	5,719.791
2019	42	199	3,125.000	621,875	1.037	3.58 %	22,281	620,544	642,825	3,230.276
2020	30	221	3,125.000	690,625	1.202	16.81 %	116,094	272,094	388,188	1,756.509
2021	18	258	3,125.000	806,250	1.464	31.70 %	255,578	592,545	848,123	3,287.297
2022	6	252	3,125.000	787,500	7.404	86.49 %	681,139	118,560	799,699	3,173.410
Total		4,549		\$ 14,215,625			\$ 1,078,155	\$ 8,568,025	\$ 9,646,180	

1. Exposures are adjusted vehicle values in millions.

Washington State Transit Insurance Pool
Auto Physical Damage

Ultimate Loss Based on Bornhuetter-Ferguson Using Exposures and Incurred Loss
As of June 30, 2022

Accident Year	Age (months)	Exposures	Selected Loss Rate	Expected Ultimate Loss (2) x (3)	Cumulative Development Factors	Percentage Undeveloped 1 - 1/(5)	Undeveloped Incurred Loss (4) x (6)	Cumulative Incurred Loss	Ultimate Loss (7) + (8)	Calculated Loss Rate (9) / (2)
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1989	402				1.000	0.00 %				
1990	390				1.000	0.00 %				
1991	378	73	3,125.000	228,125	1.000	0.00 %	0	15,254	15,254	208.959
1992	366	75	3,125.000	234,375	1.000	0.00 %	0	843	843	11.240
1993	354	78	3,125.000	243,750	1.000	0.00 %	0	12,425	12,425	159.295
1994	342	80	3,125.000	250,000	1.000	0.00 %	0	257	257	3.213
1995	330	82	3,125.000	256,250	1.000	0.00 %	0	10,352	10,352	126.244
1996	318	85	3,125.000	265,625	1.000	0.00 %	0	118,971	118,971	1,399.659
1997	306	87	3,125.000	271,875	1.000	0.00 %	0	14,293	14,293	164.287
1998	294	90	3,125.000	281,250	1.000	0.00 %	0	42,167	42,167	468.522
1999	282	93	3,125.000	290,625	1.000	0.00 %	0	160,070	160,070	1,721.183
2000	270	96	3,125.000	300,000	1.000	0.00 %	0	83,159	83,159	866.240
2001	258	98	3,125.000	306,250	1.000	0.00 %	0	274,723	274,723	2,803.296
2002	246	101	3,125.000	315,625	1.000	0.00 %	0	3,512	3,512	34.772
2003	234	104	3,125.000	325,000	1.000	0.00 %	0	247,908	247,908	2,383.731
2004	222	108	3,125.000	337,500	1.000	0.00 %	0	144,834	144,834	1,341.056
2005	210	111	3,125.000	346,875	1.000	0.00 %	0	221,271	221,271	1,993.432
2006	198	114	3,125.000	356,250	1.000	0.00 %	0	360,875	360,875	3,165.570
2007	186	118	3,125.000	368,750	1.000	0.00 %	0	287,471	287,471	2,436.195
2008	174	121	3,125.000	378,125	1.000	0.00 %	0	161,247	161,247	1,332.620
2009	162	132	3,125.000	412,500	1.000	0.00 %	0	530,076	530,076	4,015.727
2010	150	160	3,125.000	500,000	1.000	0.00 %	0	391,931	391,931	2,449.569
2011	138	185	3,125.000	578,125	1.000	0.00 %	0	334,946	334,946	1,810.519
2012	126	190	3,125.000	593,750	1.000	0.00 %	0	420,761	420,761	2,214.532
2013	114	196	3,125.000	612,500	1.000	0.00 %	0	202,544	202,544	1,033.388
2014	102	202	3,125.000	631,250	1.000	0.00 %	0	328,600	328,600	1,626.733
2015	90	208	3,125.000	650,000	1.000	0.00 %	0	747,192	747,192	3,592.269
2016	78	214	3,125.000	668,750	1.000	0.00 %	0	299,740	299,740	1,400.654
2017	66	221	3,125.000	690,625	1.000	0.00 %	0	425,124	425,124	1,923.638
2018	54	197	3,125.000	615,625	1.000	0.00 %	0	1,224,310	1,224,310	6,214.772
2019	42	199	3,125.000	621,875	1.000	0.00 %	0	630,544	630,544	3,168.563
2020	30	221	3,125.000	690,625	1.000	0.00 %	0	272,094	272,094	1,231.195
2021	18	258	3,125.000	806,250	1.042	4.03 %	32,498	772,736	805,234	3,121.060
2022	6	252	3,125.000	787,500	2.454	59.25 %	466,584	723,316	1,189,900	4,721.824
Total		4,549		\$ 14,215,625			\$ 499,081	\$ 9,463,546	\$ 9,962,627	

1. Exposures are adjusted vehicle values in millions.

Washington State Transit Insurance Pool
 Auto Physical Damage
 Bornhuetter-Ferguson Seed Calculation
 As of June 30, 2022

Accident Year	Net Paid Loss (1)	Net Paid Loss On-Level @ 0.00% to 2022 (2)	Net Incurred Loss (3)	Net Incurred Loss On-Level @ 0.00% to 2022 (4)	Vehicle Values (in millions - Adjusted for Deductibles) (5)	Paid Loss CDF (6)	Incurred Loss CDF (7)	Paid Burned Exposures (5)/(6) (8)	Incurred Burned Exposures (5)/(7) (9)	Paid Loss Rate (2)/(8) (10)	Incurred Loss Rate (4)/(9) (11)	Selected Loss Rate (12)
1991	15,254	15,254	15,254	15,254	73	1.000	1.000	73	73	209	209	3,125
1992	843	843	843	843	75	1.000	1.000	75	75	11	11	3,125
1993	12,425	12,425	12,425	12,425	78	1.000	1.000	78	78	159	159	3,125
1994	257	257	257	257	80	1.000	1.000	80	80	3	3	3,125
1995	10,352	10,352	10,352	10,352	82	1.000	1.000	82	82	126	126	3,125
1996	118,971	118,971	118,971	118,971	85	1.000	1.000	85	85	1,400	1,400	3,125
1997	14,293	14,293	14,293	14,293	87	1.000	1.000	87	87	164	164	3,125
1998	42,167	42,167	42,167	42,167	90	1.000	1.000	90	90	469	469	3,125
1999	160,070	160,070	160,070	160,070	93	1.000	1.000	93	93	1,721	1,721	3,125
2000	83,159	83,159	83,159	83,159	96	1.000	1.000	96	96	866	866	3,125
2001	274,723	274,723	274,723	274,723	98	1.000	1.000	98	98	2,803	2,803	3,125
2002	3,512	3,512	3,512	3,512	101	1.000	1.000	101	101	35	35	3,125
2003	247,908	247,908	247,908	247,908	104	1.000	1.000	104	104	2,384	2,384	3,125
2004	144,834	144,834	144,834	144,834	108	1.000	1.000	108	108	1,341	1,341	3,125
2005	221,271	221,271	221,271	221,271	111	1.000	1.000	111	111	1,993	1,993	3,125
2006	360,875	360,875	360,875	360,875	114	1.000	1.000	114	114	3,166	3,166	3,125
2007	287,471	287,471	287,471	287,471	118	1.000	1.000	118	118	2,436	2,436	3,125
2008	161,247	161,247	161,247	161,247	121	1.000	1.000	121	121	1,333	1,333	3,125
2009	530,076	530,076	530,076	530,076	132	1.000	1.000	132	132	4,016	4,016	3,125
2010	391,931	391,931	391,931	391,931	160	1.000	1.000	160	160	2,450	2,450	3,125
2011	334,946	334,946	334,946	334,946	185	1.000	1.000	185	185	1,811	1,811	3,125
2012	420,761	420,761	420,761	420,761	190	1.000	1.000	190	190	2,215	2,215	3,125
2013	202,544	202,544	202,544	202,544	196	1.000	1.000	196	196	1,033	1,033	3,125
2014	328,600	328,600	328,600	328,600	202	1.000	1.000	202	202	1,627	1,627	3,125
2015	747,192	747,192	747,192	747,192	208	1.000	1.000	208	208	3,592	3,592	3,125
2016	299,740	299,740	299,740	299,740	214	1.000	1.000	214	214	1,401	1,401	3,125
2017	425,124	425,124	425,124	425,124	221	1.000	1.000	221	221	1,924	1,924	3,125
2018	1,123,736	1,123,736	1,224,310	1,224,310	197	1.005	1.000	196	197	5,733	6,215	3,125
2019	620,544	620,544	630,544	630,544	199	1.037	1.000	192	199	3,234	3,169	3,125
2020	272,094	272,094	272,094	272,094	221	1.202	1.000	184	221	1,480	1,231	3,125
2021	592,545	592,545	772,736	772,736	258	1.464	1.042	176	248	3,363	3,121	3,125
2022	118,560	118,560	723,316	723,316	252	7.404	2.454	34	103	3,483	7,043	3,125
Total	8,568,025	8,568,025	9,463,546	9,463,546	4,549			4,204	4,389	2,038	2,156	
10 Yr Avg	4,730,679	4,730,679	5,626,200	5,626,200	2,168			1,823	2,008	2,595	2,801	
9 Yr Avg	4,528,135	4,528,135	5,423,656	5,423,656	1,972			1,627	1,812	2,783	2,993	
8 Yr Avg	4,199,535	4,199,535	5,095,056	5,095,056	1,770			1,425	1,610	2,947	3,164	
7 Yr Avg	3,452,343	3,452,343	4,347,864	4,347,864	1,562			1,217	1,402	2,837	3,101	
6 Yr Avg	3,152,603	3,152,603	4,048,124	4,048,124	1,348			1,003	1,188	3,143	3,407	
5 Yr Avg	2,727,479	2,727,479	3,623,000	3,623,000	1,127			782	967	3,488	3,746	
4 Yr Avg	1,603,743	1,603,743	2,398,690	2,398,690	930			586	770	2,737	3,114	
3 Yr Avg	983,199	983,199	1,768,146	1,768,146	731			394	571	2,495	3,095	

Selected Loss per Exposure: 3,125

- Columns (1), (3) and (5) were provided by Pool management.
- Columns (6) and (7) are from Exhibits 6-3 and 6-6.
- Loss per exposure in column (12) is selected based on the averages in columns (10) and (11). No trend is used in column (12) since it is assumed that vehicle losses and vehicle values change at the same rate over time.

Washington State Transit Insurance Pool Auto Physical Damage

Cumulative Paid Loss per Exposure As of June 30, 2022

Accident Year	6	18	30	42	54	66	78	90	102	114	126	138	150	162	174	186	198	210	222	234	246	258	270	282	294	306	318	330	342	354	366	378	390	402		
1989																																				
1990																																				
1991								45	209	209	209	209	209	209	209	209	209	209	209	209	209	209	209	209	209	209	209	209	209	209	209	209	209	209	209	
1992							0	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	
1993						0	159	159	159	159	159	159	159	159	159	159	159	159	159	159	159	159	159	159	159	159	159	159	159	159	159	159	159	159	159	
1994				0	0	0	0	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
1995				352	478	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	
1996			627	3,315	1,400	1,400	1,400	1,400	1,400	1,400	1,400	1,400	1,400	1,400	1,400	1,400	1,400	1,400	1,400	1,400	1,400	1,400	1,400	1,400	1,400	1,400	1,400	1,400	1,400	1,400	1,400	1,400	1,400	1,400	1,400	
1997		103	102	185	168	164	164	164	164	164	164	164	164	164	164	164	164	164	164	164	164	164	164	164	164	164	164	164	164	164	164	164	164	164	164	
1998	16	115	80	469	469	489	469	469	469	469	469	469	469	469	469	469	469	469	469	469	469	469	469	469	469	469	469	469	469	469	469	469	469	469	469	
1999	74	773	1,344	1,344	1,721	1,721	1,721	1,721	1,721	1,721	1,721	1,721	1,721	1,721	1,721	1,721	1,721	1,721	1,721	1,721	1,721	1,721	1,721	1,721	1,721	1,721	1,721	1,721	1,721	1,721	1,721	1,721	1,721	1,721	1,721	
2000	101	454	890	874	868	866	866	866	866	866	866	866	866	866	866	866	866	866	866	866	866	866	866	866	866	866	866	866	866	866	866	866	866	866	866	
2001	411	1,843	2,302	2,304	2,805	2,805	2,805	2,803	2,803	2,803	2,803	2,803	2,803	2,803	2,803	2,803	2,803	2,803	2,803	2,803	2,803	2,803	2,803	2,803	2,803	2,803	2,803	2,803	2,803	2,803	2,803	2,803	2,803	2,803	2,803	
2002	10	32	32	32	32	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	
2003	99	1,526	1,520	1,732	1,743	2,384	2,384	2,384	2,384	2,384	2,384	2,384	2,384	2,384	2,384	2,384	2,384	2,384	2,384	2,384	2,384	2,384	2,384	2,384	2,384	2,384	2,384	2,384	2,384	2,384	2,384	2,384	2,384	2,384	2,384	
2004	162	932	954	1,339	1,340	1,338	1,338	1,338	1,338	1,341	1,338	1,338	1,338	1,341	1,341	1,341	1,341	1,341	1,341	1,341	1,341	1,341	1,341	1,341	1,341	1,341	1,341	1,341	1,341	1,341	1,341	1,341	1,341	1,341	1,341	
2005	239	2,013	2,043	2,016	2,020	2,005	1,993	1,991	1,993	1,989	1,989	1,989	1,989	1,993	1,993	1,993	1,993	1,993	1,993	1,993	1,993	1,993	1,993	1,993	1,993	1,993	1,993	1,993	1,993	1,993	1,993	1,993	1,993	1,993	1,993	
2006	139	1,696	1,698	2,507	2,486	2,515	3,096	3,098	3,097	3,097	3,166	3,165	3,171	3,166	3,166	3,166	3,166	3,166	3,166	3,166	3,166	3,166	3,166	3,166	3,166	3,166	3,166	3,166	3,166	3,166	3,166	3,166	3,166	3,166	3,166	
2007	265	1,564	1,753	2,270	2,279	2,300	2,302	2,301	2,301	2,438	2,437	2,475	2,436	2,436	2,436	2,436	2,436	2,436	2,436	2,436	2,436	2,436	2,436	2,436	2,436	2,436	2,436	2,436	2,436	2,436	2,436	2,436	2,436	2,436	2,436	
2008	273	969	956	1,272	1,301	1,301	1,297	1,290	1,328	1,328	1,442	1,333	1,333	1,333	1,333	1,333	1,333	1,333	1,333	1,333	1,333	1,333	1,333	1,333	1,333	1,333	1,333	1,333	1,333	1,333	1,333	1,333	1,333	1,333	1,333	
2009	702	2,711	3,200	3,249	3,555	4,007	4,007	4,009	4,007	4,088	4,016	4,016	4,016	4,016	4,016	4,016	4,016	4,016	4,016	4,016	4,016	4,016	4,016	4,016	4,016	4,016	4,016	4,016	4,016	4,016	4,016	4,016	4,016	4,016	4,016	
2010	674	2,403	2,432	2,492	2,388	2,467	2,467	2,459	2,498	2,455	2,450	2,450	2,450	2,450	2,450	2,450	2,450	2,450	2,450	2,450	2,450	2,450	2,450	2,450	2,450	2,450	2,450	2,450	2,450	2,450	2,450	2,450	2,450	2,450	2,450	
2011	835	1,537	2,109	1,997	1,996	1,818	1,817	1,865	1,809	1,811	1,811	1,811	1,811	1,811	1,811	1,811	1,811	1,811	1,811	1,811	1,811	1,811	1,811	1,811	1,811	1,811	1,811	1,811	1,811	1,811	1,811	1,811	1,811	1,811	1,811	
2012	450	1,466	1,431	1,803	2,212	2,233	2,287	2,231	2,215	2,215	2,215	2,215	2,215	2,215	2,215	2,215	2,215	2,215	2,215	2,215	2,215	2,215	2,215	2,215	2,215	2,215	2,215	2,215	2,215	2,215	2,215	2,215	2,215	2,215	2,215	
2013	45	824	837	976	1,060	1,072	1,050	1,044	1,037	1,033	1,033	1,033	1,033	1,033	1,033	1,033	1,033	1,033	1,033	1,033	1,033	1,033	1,033	1,033	1,033	1,033	1,033	1,033	1,033	1,033	1,033	1,033	1,033	1,033	1,033	
2014	327	647	1,278	1,620	1,750	1,648	1,642	1,635	1,627	1,627	1,627	1,627	1,627	1,627	1,627	1,627	1,627	1,627	1,627	1,627	1,627	1,627	1,627	1,627	1,627	1,627	1,627	1,627	1,627	1,627	1,627	1,627	1,627	1,627	1,627	
2015	35	3,260	3,366	3,402	3,608	3,601	3,595	3,592	3,592	3,592	3,592	3,592	3,592	3,592	3,592	3,592	3,592	3,592	3,592	3,592	3,592	3,592	3,592	3,592	3,592	3,592	3,592	3,592	3,592	3,592	3,592	3,592	3,592	3,592	3,592	
2016	159	838	1,142	1,357	1,402	1,402	1,401	1,401	1,401	1,401	1,401	1,401	1,401	1,401	1,401	1,401	1,401	1,401	1,401	1,401	1,401	1,401	1,401	1,401	1,401	1,401	1,401	1,401	1,401	1,401	1,401	1,401	1,401	1,401	1,401	
2017	434	1,366	1,536	1,952	1,940	1,924	1,924	1,924	1,924	1,924	1,924	1,924	1,924	1,924	1,924	1,924	1,924	1,924	1,924	1,924	1,924	1,924	1,924	1,924	1,924	1,924	1,924	1,924	1,924	1,924	1,924	1,924	1,924	1,924	1,924	
2018	873	1,825	4,807	5,266	5,704	5,704	5,704	5,704	5,704	5,704	5,704	5,704	5,704	5,704	5,704	5,704	5,704	5,704	5,704	5,704	5,704	5,704	5,704	5,704	5,704	5,704	5,704	5,704	5,704	5,704	5,704	5,704	5,704	5,704	5,704	
2019	296	2,807	2,796	3,118	3,118	3,118	3,118	3,118	3,118	3,118	3,118	3,118	3,118	3,118	3,118	3,118	3,118	3,118	3,118	3,118	3,118	3,118	3,118	3,118	3,118	3,118	3,118	3,118	3,118	3,118	3,118	3,118	3,118	3,118	3,118	
2020	131	1,326	1,231	1,231	1,231	1,231	1,231	1,231	1,231	1,231	1,231	1,231	1,231	1,231	1,231	1,231	1,231	1,231	1,231	1,231	1,231	1,231	1,231	1,231	1,231	1,231	1,231	1,231	1,231	1,231	1,231	1,231	1,231	1,231	1,231	
2021	193	2,297	2,297	2,297	2,297	2,297	2,297	2,297	2,297	2,297	2,297	2,297	2,297	2,297	2,297	2,297	2,297	2,297	2,297	2,297	2,297	2,297	2,297	2,297	2,297	2,297	2,297	2,297	2,297	2,297	2,297	2,297	2,297	2,297	2,297	
2022	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	

Washington State Transit Insurance Pool
Auto Physical Damage

Cumulative Incurred Loss per Exposure
As of June 30, 2022

Accident Year	6	18	30	42	54	66	78	90	102	114	126	138	150	162	174	186	198	210	222	234	246	258	270	282	294	306	318	330	342	354	366	378	390	402		
1989																																				
1990																																				
1991								45	209	209	209	209	209	209	209	209	209	209	209	209	209	209	209	209	209	209	209	209	209	209	209	209	209	209	209	
1992							0	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	
1993						0	159	159	159	159	159	159	159	159	159	159	159	159	159	159	159	159	159	159	159	159	159	159	159	159	159	159	159	159	159	
1994				0	0	0	0	0	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3		
1995				352	478	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	
1996			2,044	3,315	1,400	1,400	1,400	1,400	1,400	1,400	1,400	1,400	1,400	1,400	1,400	1,400	1,400	1,400	1,400	1,400	1,400	1,400	1,400	1,400	1,400	1,400	1,400	1,400	1,400	1,400	1,400	1,400	1,400	1,400	1,400	
1997		331	179	185	168	164	164	164	164	164	164	164	164	164	164	164	164	164	164	164	164	164	164	164	164	164	164	164	164	164	164	164	164	164	164	164
1998	16	171	746	469	469	489	469	469	469	469	469	469	469	469	469	469	469	469	469	469	469	469	469	469	469	469	469	469	469	469	469	469	469	469	469	
1999	358	1,117	1,829	1,828	1,721	1,721	1,721	1,721	1,721	1,721	1,721	1,721	1,721	1,721	1,721	1,721	1,721	1,721	1,721	1,721	1,721	1,721	1,721	1,721	1,721	1,721	1,721	1,721	1,721	1,721	1,721	1,721	1,721	1,721	1,721	
2000	250	878	890	874	868	866	866	866	866	866	866	866	866	866	866	866	866	866	866	866	866	866	866	866	866	866	866	866	866	866	866	866	866	866	866	866
2001	1,566	3,199	2,914	2,916	2,805	2,805	2,805	2,803	2,803	2,803	2,803	2,803	2,803	2,803	2,803	2,803	2,803	2,803	2,803	2,803	2,803	2,803	2,803	2,803	2,803	2,803	2,803	2,803	2,803	2,803	2,803	2,803	2,803	2,803	2,803	
2002	109	71	41	32	32	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	
2003	612	1,883	1,643	2,310	2,320	2,384	2,384	2,384	2,384	2,384	2,384	2,384	2,384	2,384	2,384	2,384	2,384	2,384	2,384	2,384	2,384	2,384	2,384	2,384	2,384	2,384	2,384	2,384	2,384	2,384	2,384	2,384	2,384	2,384	2,384	
2004	269	942	955	1,341	1,340	1,338	1,338	1,338	1,338	1,341	1,338	1,338	1,338	1,338	1,341	1,341	1,341	1,341	1,341	1,341	1,341	1,341	1,341	1,341	1,341	1,341	1,341	1,341	1,341	1,341	1,341	1,341	1,341	1,341	1,341	
2005	1,556	2,094	2,065	2,016	2,020	2,005	1,993	1,991	1,993	1,989	1,989	1,989	1,989	1,993	1,993	1,993	1,993	1,993	1,993	1,993	1,993	1,993	1,993	1,993	1,993	1,993	1,993	1,993	1,993	1,993	1,993	1,993	1,993	1,993	1,993	
2006	1,153	1,877	2,199	2,507	2,486	2,691	3,096	3,098	3,097	3,097	3,166	3,165	3,171	3,166	3,166	3,166	3,166	3,166	3,166	3,166	3,166	3,166	3,166	3,166	3,166	3,166	3,166	3,166	3,166	3,166	3,166	3,166	3,166	3,166	3,166	
2007	352	1,833	1,948	2,270	2,279	2,300	2,302	2,301	2,301	2,438	2,437	2,475	2,436	2,436	2,436	2,436	2,436	2,436	2,436	2,436	2,436	2,436	2,436	2,436	2,436	2,436	2,436	2,436	2,436	2,436	2,436	2,436	2,436	2,436	2,436	
2008	796	1,183	1,040	1,272	1,363	1,301	1,297	1,290	1,328	1,328	1,442	1,333	1,333	1,333	1,333	1,333	1,333	1,333	1,333	1,333	1,333	1,333	1,333	1,333	1,333	1,333	1,333	1,333	1,333	1,333	1,333	1,333	1,333	1,333	1,333	
2009	1,151	3,856	3,690	3,728	3,745	4,007	4,007	4,009	4,007	4,088	4,016	4,016	4,016	4,016	4,016	4,016	4,016	4,016	4,016	4,016	4,016	4,016	4,016	4,016	4,016	4,016	4,016	4,016	4,016	4,016	4,016	4,016	4,016	4,016	4,016	
2010	1,579	2,499	2,509	2,716	2,388	2,467	2,467	2,459	2,498	2,455	2,450	2,450	2,450	2,450	2,450	2,450	2,450	2,450	2,450	2,450	2,450	2,450	2,450	2,450	2,450	2,450	2,450	2,450	2,450	2,450	2,450	2,450	2,450	2,450	2,450	
2011	1,343	1,872	2,219	2,007	1,996	1,819	1,817	1,865	1,809	1,811	1,811	1,811	1,811	1,811	1,811	1,811	1,811	1,811	1,811	1,811	1,811	1,811	1,811	1,811	1,811	1,811	1,811	1,811	1,811	1,811	1,811	1,811	1,811	1,811	1,811	
2012	1,164	1,700	1,740	2,118	2,213	2,233	2,287	2,231	2,215	2,215	2,215	2,215	2,215	2,215	2,215	2,215	2,215	2,215	2,215	2,215	2,215	2,215	2,215	2,215	2,215	2,215	2,215	2,215	2,215	2,215	2,215	2,215	2,215	2,215	2,215	
2013	395	863	839	977	1,060	1,072	1,050	1,044	1,037	1,033	1,033	1,033	1,033	1,033	1,033	1,033	1,033	1,033	1,033	1,033	1,033	1,033	1,033	1,033	1,033	1,033	1,033	1,033	1,033	1,033	1,033	1,033	1,033	1,033	1,033	
2014	683	1,200	1,622	1,635	1,750	1,648	1,642	1,635	1,627	1,627	1,627	1,627	1,627	1,627	1,627	1,627	1,627	1,627	1,627	1,627	1,627	1,627	1,627	1,627	1,627	1,627	1,627	1,627	1,627	1,627	1,627	1,627	1,627	1,627	1,627	
2015	169	3,625	3,366	3,611	3,608	3,601	3,595	3,592	3,592	3,592	3,592	3,592	3,592	3,592	3,592	3,592	3,592	3,592	3,592	3,592	3,592	3,592	3,592	3,592	3,592	3,592	3,592	3,592	3,592	3,592	3,592	3,592	3,592	3,592	3,592	
2016	186	1,557	1,535	1,467	1,402	1,402	1,401	1,401	1,401	1,401	1,401	1,401	1,401	1,401	1,401	1,401	1,401	1,401	1,401	1,401	1,401	1,401	1,401	1,401	1,401	1,401	1,401	1,401	1,401	1,401	1,401	1,401	1,401	1,401	1,401	
2017	918	2,194	2,169	2,226	1,940	1,924	1,924	1,924	1,924	1,924	1,924	1,924	1,924	1,924	1,924	1,924	1,924	1,924	1,924	1,924	1,924	1,924	1,924	1,924	1,924	1,924	1,924	1,924	1,924	1,924	1,924	1,924	1,924	1,924	1,924	
2018	2,225	4,718	5,840	5,943	6,215	6,215	6,215	6,215	6,215	6,215	6,215	6,215	6,215	6,215	6,215	6,215	6,215	6,215	6,215	6,215	6,215	6,215	6,215	6,215	6,215	6,215	6,215	6,215	6,215	6,215	6,215	6,215	6,215	6,215	6,215	
2019	747	3,466	3,229	3,169	3,169	3,169	3,169	3,169	3,169	3,169	3,169	3,169	3,169	3,169	3,169	3,169	3,169	3,169	3,169	3,169	3,169	3,169	3,169	3,169	3,169	3,169	3,169	3,169	3,169	3,169	3,169	3,169	3,169	3,169	3,169	
2020	498	1,333	1,231	1,231	1,231	1,231	1,231	1,231	1,231	1,231	1,231	1,231	1,231	1,231	1,231	1,231	1,231	1,231	1,231	1,231	1,231	1,231	1,231	1,231	1,231	1,231	1,231	1,231	1,231	1,231	1,231	1,231	1,231	1,231	1,231	
2021	2,021	2,995	2,995	2,995	2,995	2,995	2,995	2,995	2,995	2,995	2,995	2,995	2,995	2,995	2,995	2,995	2,995	2,995	2,995	2,995	2,995	2,995	2,995	2,995	2,995	2,995	2,995	2,995	2,995	2,995	2,995	2,995	2,995	2,995	2,995	
2022	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	

Washington State Transit Insurance Pool
Auto Physical Damage

Summary of Claim Count Estimates
As of June 30, 2022

Accident Year	Ultimate Claims <u>(1)</u>	Selected Proportion Earned <u>(2)</u>	Prorated Ultimate Claims (1) x (2) <u>(3)</u>	Reported Claims <u>(4)</u>	Closed Claims <u>(5)</u>	Open Claims (4) - (5) <u>(6)</u>	IBNR Claims (3) - (4) <u>(7)</u>	Total Open and IBNR Claims (6) + (7) <u>(8)</u>
1989								
1990								
1991	6	1.000	6	6	6	0	0	0
1992	1	1.000	1	1	1	0	0	0
1993	2	1.000	2	2	2	0	0	0
1994	1	1.000	1	1	1	0	0	0
1995	3	1.000	3	3	3	0	0	0
1996	7	1.000	7	7	7	0	0	0
1997	5	1.000	5	5	5	0	0	0
1998	28	1.000	28	28	28	0	0	0
1999	49	1.000	49	49	49	0	0	0
2000	99	1.000	99	99	99	0	0	0
2001	142	1.000	142	142	142	0	0	0
2002	145	1.000	145	145	145	0	0	0
2003	134	1.000	134	134	134	0	0	0
2004	147	1.000	147	147	147	0	0	0
2005	230	1.000	230	230	230	0	0	0
2006	242	1.000	242	242	242	0	0	0
2007	303	1.000	303	303	303	0	0	0
2008	330	1.000	330	330	330	0	0	0
2009	305	1.000	305	305	305	0	0	0
2010	398	1.000	398	398	398	0	0	0
2011	381	1.000	381	381	381	0	0	0
2012	382	1.000	382	382	382	0	0	0
2013	376	1.000	376	376	376	0	0	0
2014	418	1.000	418	418	418	0	0	0
2015	402	1.000	402	402	402	0	0	0
2016	423	1.000	423	423	423	0	0	0
2017	517	1.000	517	517	517	0	0	0
2018	428	1.000	428	428	426	2	0	2
2019	394	1.000	394	394	392	2	0	2
2020	245	1.000	245	243	242	1	2	3
2021	301	1.000	301	294	251	43	7	50
2022	335	0.665	223	107	31	76	116	192
Total	7,179		7,067	6,942	6,818	124	125	249

1. Column (1) is from Exhibit 6-16.

Washington State Transit Insurance Pool
Auto Physical Damage

Comparison of Ultimate Claims Estimates
As of June 30, 2022

Accident Year	Reported Claim Development	Claim Frequency	Ultimate Claims
	(1)	(2)	(3)
1989			
1990			
1991	6	6	6
1992	1	1	1
1993	2	2	2
1994	1	1	1
1995	3	3	3
1996	7	7	7
1997	5	5	5
1998	28	28	28
1999	49	49	49
2000	99	99	99
2001	142	142	142
2002	145	145	145
2003	134	134	134
2004	147	147	147
2005	230	230	230
2006	242	242	242
2007	303	303	303
2008	330	330	330
2009	305	305	305
2010	398	398	398
2011	381	381	381
2012	382	382	382
2013	376	376	376
2014	418	418	418
2015	402	402	402
2016	423	423	423
2017	517	517	517
2018	428	428	428
2019	394	394	394
2020	245	245	245
2021	301	301	301
2022	249	400	335
Total	7,093	7,244	7,179

1. Column (1) is from Exhibit 6-17.
2. Column (2) is from Exhibit 6-20.

Washington State Transit Insurance Pool
Auto Physical Damage

Ultimate Claims Based on Reported Claim Development
As of June 30, 2022

Accident Year	Age (months)	Cumulative Reported Claims	Selected Development Factors	Cumulative Development Factors	Ultimate Claims (2) x (4)
	(1)	(2)	(3)	(4)	(5)
1989	402		1.000	1.000	
1990	390		1.000	1.000	
1991	378	6	1.000	1.000	6
1992	366	1	1.000	1.000	1
1993	354	2	1.000	1.000	2
1994	342	1	1.000	1.000	1
1995	330	3	1.000	1.000	3
1996	318	7	1.000	1.000	7
1997	306	5	1.000	1.000	5
1998	294	28	1.000	1.000	28
1999	282	49	1.000	1.000	49
2000	270	99	1.000	1.000	99
2001	258	142	1.000	1.000	142
2002	246	145	1.000	1.000	145
2003	234	134	1.000	1.000	134
2004	222	147	1.000	1.000	147
2005	210	230	1.000	1.000	230
2006	198	242	1.000	1.000	242
2007	186	303	1.000	1.000	303
2008	174	330	1.000	1.000	330
2009	162	305	1.000	1.000	305
2010	150	398	1.000	1.000	398
2011	138	381	1.000	1.000	381
2012	126	382	1.000	1.000	382
2013	114	376	1.000	1.000	376
2014	102	418	1.000	1.000	418
2015	90	402	1.000	1.000	402
2016	78	423	1.000	1.000	423
2017	66	517	1.000	1.000	517
2018	54	428	1.000	1.000	428
2019	42	394	1.000	1.000	394
2020	30	243	1.010	1.010	245
2021	18	294	1.013	1.023	301
2022	6	107	2.272	2.325	249
Total		6,942			7,093

Washington State Transit Insurance Pool Auto Physical Damage

Reported Claims - Cumulative As of June 30, 2022

Accident Year	6	18	30	42	54	66	78	90	102	114	126	138	150	162	174	186	198	210	222	234	246	258	270	282	294	306	318	330	342	354	366	378	390	402		
1989																																				
1990																																				
1991										4	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	
1992								1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
1993							1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
1994						0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
1995					2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
1996				5	5	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
1997			3	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	
1998		22	25	29	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	
1999	10	46	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	
2000	36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	
2001	65	142	142	142	142	142	142	142	142	142	142	142	142	142	142	142	142	142	142	142	142	142	142	142	142	142	142	142	142	142	142	142	142	142	142	
2002	64	144	145	145	145	145	145	145	145	145	145	145	145	145	145	145	145	145	145	145	145	145	145	145	145	145	145	145	145	145	145	145	145	145	145	
2003	50	132	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134	
2004	48	143	146	146	147	147	147	147	147	147	148	148	147	147	147	147	147	147	147	147	147	147	147	147	147	147	147	147	147	147	147	147	147	147	147	
2005	99	225	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230	
2006	97	235	242	242	242	242	242	242	242	242	242	242	242	242	242	242	242	242	242	242	242	242	242	242	242	242	242	242	242	242	242	242	242	242	242	
2007	135	299	303	303	303	303	303	303	303	303	303	303	303	303	303	303	303	303	303	303	303	303	303	303	303	303	303	303	303	303	303	303	303	303	303	
2008	129	324	330	330	330	330	330	330	330	330	330	330	330	330	330	330	330	330	330	330	330	330	330	330	330	330	330	330	330	330	330	330	330	330	330	
2009	124	304	305	306	306	306	306	305	305	307	305	305	305	305	305	305	305	305	305	305	305	305	305	305	305	305	305	305	305	305	305	305	305	305	305	
2010	166	399	400	401	400	400	398	398	399	398	398	398	398	398	398	398	398	398	398	398	398	398	398	398	398	398	398	398	398	398	398	398	398	398	398	
2011	170	381	381	381	381	381	381	381	381	381	381	381	381	381	381	381	381	381	381	381	381	381	381	381	381	381	381	381	381	381	381	381	381	381	381	381
2012	187	383	384	384	383	382	383	382	382	382	382	382	382	382	382	382	382	382	382	382	382	382	382	382	382	382	382	382	382	382	382	382	382	382	382	382
2013	166	376	378	376	376	376	376	376	376	376	376	376	376	376	376	376	376	376	376	376	376	376	376	376	376	376	376	376	376	376	376	376	376	376	376	376
2014	186	385	389	408	419	418	418	418	418	418	418	418	418	418	418	418	418	418	418	418	418	418	418	418	418	418	418	418	418	418	418	418	418	418	418	418
2015	146	350	357	401	402	402	402	402	402	402	402	402	402	402	402	402	402	402	402	402	402	402	402	402	402	402	402	402	402	402	402	402	402	402	402	402
2016	185	391	424	423	423	423	423	423	423	423	423	423	423	423	423	423	423	423	423	423	423	423	423	423	423	423	423	423	423	423	423	423	423	423	423	423
2017	241	520	515	518	517	517	517	517	517	517	517	517	517	517	517	517	517	517	517	517	517	517	517	517	517	517	517	517	517	517	517	517	517	517	517	517
2018	175	427	428	427	428	428	428	428	428	428	428	428	428	428	428	428	428	428	428	428	428	428	428	428	428	428	428	428	428	428	428	428	428	428	428	428
2019	192	388	394	394	394	394	394	394	394	394	394	394	394	394	394	394	394	394	394	394	394	394	394	394	394	394	394	394	394	394	394	394	394	394	394	394
2020	120	243	243	243	243	243	243	243	243	243	243	243	243	243	243	243	243	243	243	243	243	243	243	243	243	243	243	243	243	243	243	243	243	243	243	243
2021	127	294	294	294	294	294	294	294	294	294	294	294	294	294	294	294	294	294	294	294	294	294	294	294	294	294	294	294	294	294	294	294	294	294	294	294
2022	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107

Washington State Transit Insurance Pool
Auto Physical Damage

Ultimate Claims Based on Claim Frequency
As of June 30, 2022

Accident Year	Exposures	Selected Claim Frequency	Ultimate Claims (1) x (2)
	(1)	(2)	(3)
1989			
1990			
1991	73	0.082	6
1992	75	0.013	1
1993	78	0.026	2
1994	80	0.013	1
1995	82	0.037	3
1996	85	0.082	7
1997	87	0.057	5
1998	90	0.311	28
1999	93	0.527	49
2000	96	1.031	99
2001	98	1.449	142
2002	101	1.436	145
2003	104	1.288	134
2004	108	1.361	147
2005	111	2.072	230
2006	114	2.123	242
2007	118	2.568	303
2008	121	2.727	330
2009	132	2.311	305
2010	160	2.488	398
2011	185	2.059	381
2012	190	2.011	382
2013	196	1.918	376
2014	202	2.069	418
2015	208	1.933	402
2016	214	1.977	423
2017	221	2.339	517
2018	197	2.173	428
2019	199	1.980	394
2020	221	1.111	245
2021	258	1.166	301
2022	252	1.586	400
Total	4,549		7,244

1. Exposures are adjusted vehicle values in millions.

Washington State Transit Insurance Pool Auto Physical Damage

Cumulative Reported Claims per Exposure As of June 30, 2022

Accident Year	6	18	30	42	54	66	78	90	102	114	126	138	150	162	174	186	198	210	222	234	246	258	270	282	294	306	318	330	342	354	366	378	390	402		
1989																																				
1990																																				
1991										0.055	0.082	0.082	0.082	0.082	0.082	0.082	0.082	0.082	0.082	0.082	0.082	0.082	0.082	0.082	0.082	0.082	0.082	0.082	0.082	0.082	0.082	0.082	0.082	0.082	0.082	
1992									0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	
1993								0.013	0.013	0.013	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.026	
1994							0.000	0.000	0.000	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	
1995					0.024	0.024	0.024	0.037	0.037	0.037	0.037	0.037	0.037	0.037	0.037	0.037	0.037	0.037	0.037	0.037	0.037	0.037	0.037	0.037	0.037	0.037	0.037	0.037	0.037	0.037	0.037	0.037	0.037	0.037	0.037	
1996				0.059	0.059	0.082	0.082	0.082	0.082	0.082	0.082	0.082	0.082	0.082	0.082	0.082	0.082	0.082	0.082	0.082	0.082	0.082	0.082	0.082	0.082	0.082	0.082	0.082	0.082	0.082	0.082	0.082	0.082	0.082	0.082	
1997			0.034	0.057	0.057	0.057	0.057	0.057	0.057	0.057	0.057	0.057	0.057	0.057	0.057	0.057	0.057	0.057	0.057	0.057	0.057	0.057	0.057	0.057	0.057	0.057	0.057	0.057	0.057	0.057	0.057	0.057	0.057	0.057	0.057	
1998		0.244	0.278	0.322	0.311	0.311	0.311	0.311	0.311	0.311	0.311	0.311	0.311	0.311	0.311	0.311	0.311	0.311	0.311	0.311	0.311	0.311	0.311	0.311	0.311	0.311	0.311	0.311	0.311	0.311	0.311	0.311	0.311	0.311	0.311	
1999	0.108	0.495	0.527	0.527	0.527	0.527	0.527	0.527	0.527	0.527	0.527	0.527	0.527	0.527	0.527	0.527	0.527	0.527	0.527	0.527	0.527	0.527	0.527	0.527	0.527	0.527	0.527	0.527	0.527	0.527	0.527	0.527	0.527	0.527	0.527	
2000	0.375	1.031	1.031	1.031	1.031	1.031	1.031	1.031	1.031	1.031	1.031	1.031	1.031	1.031	1.031	1.031	1.031	1.031	1.031	1.031	1.031	1.031	1.031	1.031	1.031	1.031	1.031	1.031	1.031	1.031	1.031	1.031	1.031	1.031	1.031	
2001	0.663	1.449	1.449	1.449	1.449	1.449	1.449	1.449	1.449	1.449	1.449	1.449	1.449	1.449	1.449	1.449	1.449	1.449	1.449	1.449	1.449	1.449	1.449	1.449	1.449	1.449	1.449	1.449	1.449	1.449	1.449	1.449	1.449	1.449	1.449	
2002	0.634	1.426	1.436	1.436	1.436	1.436	1.436	1.436	1.436	1.436	1.436	1.436	1.436	1.436	1.436	1.436	1.436	1.436	1.436	1.436	1.436	1.436	1.436	1.436	1.436	1.436	1.436	1.436	1.436	1.436	1.436	1.436	1.436	1.436	1.436	
2003	0.481	1.269	1.288	1.288	1.288	1.288	1.288	1.288	1.288	1.288	1.288	1.288	1.288	1.288	1.288	1.288	1.288	1.288	1.288	1.288	1.288	1.288	1.288	1.288	1.288	1.288	1.288	1.288	1.288	1.288	1.288	1.288	1.288	1.288	1.288	
2004	0.444	1.324	1.352	1.352	1.361	1.361	1.361	1.361	1.361	1.361	1.370	1.370	1.361	1.361	1.361	1.361	1.361	1.361	1.361	1.361	1.361	1.361	1.361	1.361	1.361	1.361	1.361	1.361	1.361	1.361	1.361	1.361	1.361	1.361	1.361	
2005	0.892	2.027	2.072	2.072	2.072	2.072	2.072	2.072	2.072	2.072	2.072	2.072	2.072	2.072	2.072	2.072	2.072	2.072	2.072	2.072	2.072	2.072	2.072	2.072	2.072	2.072	2.072	2.072	2.072	2.072	2.072	2.072	2.072	2.072	2.072	
2006	0.851	2.061	2.123	2.123	2.123	2.123	2.123	2.123	2.123	2.123	2.123	2.123	2.123	2.123	2.123	2.123	2.123	2.123	2.123	2.123	2.123	2.123	2.123	2.123	2.123	2.123	2.123	2.123	2.123	2.123	2.123	2.123	2.123	2.123	2.123	
2007	1.144	2.534	2.568	2.568	2.568	2.568	2.568	2.568	2.568	2.568	2.568	2.568	2.568	2.568	2.568	2.568	2.568	2.568	2.568	2.568	2.568	2.568	2.568	2.568	2.568	2.568	2.568	2.568	2.568	2.568	2.568	2.568	2.568	2.568	2.568	
2008	1.066	2.678	2.727	2.727	2.727	2.727	2.727	2.727	2.727	2.727	2.727	2.727	2.727	2.727	2.727	2.727	2.727	2.727	2.727	2.727	2.727	2.727	2.727	2.727	2.727	2.727	2.727	2.727	2.727	2.727	2.727	2.727	2.727	2.727	2.727	
2009	0.939	2.303	2.311	2.318	2.318	2.318	2.318	2.311	2.311	2.326	2.311	2.311	2.311	2.311	2.311	2.311	2.311	2.311	2.311	2.311	2.311	2.311	2.311	2.311	2.311	2.311	2.311	2.311	2.311	2.311	2.311	2.311	2.311	2.311	2.311	
2010	1.038	2.494	2.500	2.506	2.500	2.500	2.488	2.488	2.494	2.488	2.488	2.488	2.488	2.488	2.488	2.488	2.488	2.488	2.488	2.488	2.488	2.488	2.488	2.488	2.488	2.488	2.488	2.488	2.488	2.488	2.488	2.488	2.488	2.488	2.488	
2011	0.919	2.059	2.059	2.059	2.059	2.059	2.059	2.059	2.059	2.059	2.059	2.059	2.059	2.059	2.059	2.059	2.059	2.059	2.059	2.059	2.059	2.059	2.059	2.059	2.059	2.059	2.059	2.059	2.059	2.059	2.059	2.059	2.059	2.059	2.059	
2012	0.984	2.016	2.021	2.021	2.016	2.011	2.016	2.011	2.011	2.011	2.011	2.011	2.011	2.011	2.011	2.011	2.011	2.011	2.011	2.011	2.011	2.011	2.011	2.011	2.011	2.011	2.011	2.011	2.011	2.011	2.011	2.011	2.011	2.011	2.011	
2013	0.847	1.918	1.929	1.918	1.918	1.918	1.918	1.918	1.918	1.918	1.918	1.918	1.918	1.918	1.918	1.918	1.918	1.918	1.918	1.918	1.918	1.918	1.918	1.918	1.918	1.918	1.918	1.918	1.918	1.918	1.918	1.918	1.918	1.918	1.918	
2014	0.921	1.906	1.926	2.020	2.074	2.069	2.069	2.069	2.069	2.069	2.069	2.069	2.069	2.069	2.069	2.069	2.069	2.069	2.069	2.069	2.069	2.069	2.069	2.069	2.069	2.069	2.069	2.069	2.069	2.069	2.069	2.069	2.069	2.069	2.069	
2015	0.702	1.683	1.716	1.928	1.933	1.933	1.933	1.933	1.933	1.933	1.933	1.933	1.933	1.933	1.933	1.933	1.933	1.933	1.933	1.933	1.933	1.933	1.933	1.933	1.933	1.933	1.933	1.933	1.933	1.933	1.933	1.933	1.933	1.933	1.933	
2016	0.864	1.827	1.981	1.977	1.977	1.977	1.977	1.977	1.977	1.977	1.977	1.977	1.977	1.977	1.977	1.977	1.977	1.977	1.977	1.977	1.977	1.977	1.977	1.977	1.977	1.977	1.977	1.977	1.977	1.977	1.977	1.977	1.977	1.977	1.977	
2017	1.090	2.353	2.330	2.344	2.339	2.339	2.339	2.339	2.339	2.339	2.339	2.339	2.339	2.339	2.339	2.339	2.339	2.339	2.339	2.339	2.339	2.339	2.339	2.339	2.339	2.339	2.339	2.339	2.339	2.339	2.339	2.339	2.339	2.339	2.339	
2018	0.888	2.168	2.173	2.168	2.173	2.173	2.173	2.173	2.173	2.173	2.173	2.173	2.173	2.173	2.173	2.173	2.173	2.173	2.173	2.173	2.173	2.173	2.173	2.173	2.173	2.173	2.173	2.173	2.173	2.173	2.173	2.173	2.173	2.173	2.173	
2019	0.965	1.950	1.980	1.980	1.980	1.980	1.980	1.980	1.980	1.980	1.980	1.980	1.980	1.980	1.980	1.980	1.980	1.980	1.980	1.980	1.980	1.980	1.980	1.980	1.980	1.980	1.980	1.980	1.980	1.980	1.980	1.980	1.980	1.980	1.980	
2020	0.543	1.100	1.100	1.100	1.100	1.100	1.100	1.100	1.100	1.100	1.100	1.100	1.100	1.100	1.100	1.100	1.100	1.100	1.100	1.100	1.100	1.100	1.100	1.100	1.100	1.100	1.100	1.100	1.100	1.100	1.100	1.100	1.100	1.100	1.100	
2021	0.492	1.140	1.140	1.140	1.140	1.140	1.140	1.140	1.140	1.140	1.140	1.140	1.140	1.140	1.140	1.140	1.140	1.140	1.140	1.140	1.140	1.140	1.140	1.140	1.140	1.140	1.140	1.140	1.140	1.140	1.140	1.140	1.140	1.140	1.140	
2022	0.425	1.140	1.140	1.140	1.140	1.140	1.140	1.140	1.140	1.140	1.140	1.140	1.140	1.140	1.140	1.140	1.140	1.140	1.140	1.140	1.140	1.140	1.140	1.140	1.140	1.140	1.140	1.140	1.140	1.140	1.140	1.140	1.140	1.140	1.140	

Washington State Transit Insurance Pool
Property

Summary of Net Losses and Reserves - Net of Deductibles
As of June 30, 2022

Accident Year	Paid Loss	Case Loss Reserve	Incurred Loss (1) + (2)	IBNR Loss Reserves	Ultimate Loss (3) + (4)	Total Loss Reserves (2) + (4)
	(1)	(2)	(3)	(4)	(5)	(6)
1989						
1990						
1991						
1992	2,115	0	2,115	0	2,115	0
1993	3,588	0	3,588	0	3,588	0
1994	0	0	0	0	0	0
1995	28,551	0	28,551	0	28,551	0
1996	36,263	0	36,263	0	36,263	0
1997	5,537	0	5,537	0	5,537	0
1998	17,543	0	17,543	0	17,543	0
1999	14,083	0	14,083	0	14,083	0
2000	7,655	0	7,655	0	7,655	0
2001	18,762	0	18,762	0	18,762	0
2002	0	0	0	0	0	0
2003	4,114	0	4,114	0	4,114	0
2004	12,588	0	12,588	0	12,588	0
2005	0	0	0	0	0	0
2006	113,292	0	113,292	0	113,292	0
2007	107,728	0	107,728	0	107,728	0
2008	3,399	0	3,399	0	3,399	0
2009	32,199	0	32,199	0	32,199	0
2010	209,938	0	209,938	0	209,938	0
2011	188,334	0	188,334	0	188,334	0
2012	55,342	0	55,342	0	55,342	0
2013	118,833	0	118,833	0	118,833	0
2014	3,765	0	3,765	0	3,765	0
2015	20,830	0	20,830	0	20,830	0
2016	12,281	0	12,281	0	12,281	0
2017	327,484	0	327,484	0	327,484	0
2018	0	0	0	0	0	0
2019	5,657	0	5,657	0	5,657	0
2020	27,590	0	27,590	0	27,590	0
2021	0	0	0	0	0	0
2022	0	0	0	27,500	27,500	27,500
Total	\$ 1,377,471	\$ 0	\$ 1,377,471	\$ 27,500	\$ 1,404,971	\$ 27,500

1. Column (5) is from Exhibit 7-2. Ultimate loss for accident year 2022 reflects the first six months only.

Confidential Information for the sole benefit and use of PwC's Client

PwC 2023 Rate Level Review as of 2022-06-30 on 2022-11-07

Washington State Transit Insurance Pool
Property

Comparison of Ultimate Loss Estimates
As of June 30, 2022

Accident Year	Paid Loss Development	Incurred Loss Development	Loss per Exposure	Bornhuetter- Ferguson Using Exposures and Paid Loss	Bornhuetter- Ferguson Using Exposures and Incurred Loss	Ultimate Loss
	(1)	(2)	(3)	(4)	(5)	(6)
1989						
1990						
1991						
1992	2,115	2,115	20,300	2,115	2,115	2,115
1993	3,588	3,588	21,000	3,588	3,588	3,588
1994	0	0	21,700	0	0	0
1995	28,551	28,551	22,225	28,551	28,551	28,551
1996	36,263	36,263	22,925	36,263	36,263	36,263
1997	5,537	5,537	23,625	5,537	5,537	5,537
1998	17,543	17,543	24,325	17,543	17,543	17,543
1999	14,083	14,083	25,025	14,083	14,083	14,083
2000	7,655	7,655	25,900	7,655	7,655	7,655
2001	18,762	18,762	26,600	18,762	18,762	18,762
2002	0	0	27,475	0	0	0
2003	4,114	4,114	28,175	4,114	4,114	4,114
2004	12,588	12,588	29,050	12,588	12,588	12,588
2005	0	0	29,925	0	0	0
2006	113,292	113,292	30,800	113,292	113,292	113,292
2007	107,728	107,728	31,675	107,728	107,728	107,728
2008	3,399	3,399	32,725	3,399	3,399	3,399
2009	32,199	32,199	36,050	32,199	32,199	32,199
2010	209,938	209,938	48,825	209,938	209,938	209,938
2011	188,334	188,334	54,425	188,334	188,334	188,334
2012	55,342	55,342	56,175	55,342	55,342	55,342
2013	118,833	118,833	57,750	118,833	118,833	118,833
2014	3,765	3,765	59,500	3,765	3,765	3,765
2015	20,830	20,830	61,250	20,830	20,830	20,830
2016	12,281	12,281	63,175	12,281	12,281	12,281
2017	327,484	327,484	65,100	327,484	327,484	327,484
2018	0	0	77,350	0	0	0
2019	5,657	5,657	80,500	5,657	5,657	5,657
2020	27,590	27,590	91,350	27,590	27,590	27,590
2021	0	0	98,525	3,880	0	0
2022	0	0	100,975	78,940	50,488	55,000
Total	\$ 1,377,471	\$ 1,377,471	\$ 1,394,400	\$ 1,460,291	\$ 1,427,959	\$ 1,432,471

1. Loss amounts are net of self-insured retentions and net of deductibles.
2. Column (1) is from Exhibit 7-3.
3. Column (2) is from Exhibit 7-6.
4. Column (3) is from Exhibit 7-9.
5. Column (4) is from Exhibit 7-10.
6. Column (5) is from Exhibit 7-11.

Confidential Information for the sole benefit and use of PwC's Client

PwC 2023 Rate Level Review as of 2022-06-30 on 2022-11-07

Washington State Transit Insurance Pool
Property

Ultimate Loss Based on Paid Loss Development
As of June 30, 2022

Accident Year	Age (months)	Cumulative Paid Loss	Selected Development Factors	Cumulative Development Factors	Ultimate Loss (2) x (4)
(1)	(2)	(3)	(4)	(5)	
1989	402		1.000	1.000	
1990	390		1.000	1.000	
1991	378		1.000	1.000	
1992	366	2,115	1.000	1.000	2,115
1993	354	3,588	1.000	1.000	3,588
1994	342	0	1.000	1.000	0
1995	330	28,551	1.000	1.000	28,551
1996	318	36,263	1.000	1.000	36,263
1997	306	5,537	1.000	1.000	5,537
1998	294	17,543	1.000	1.000	17,543
1999	282	14,083	1.000	1.000	14,083
2000	270	7,655	1.000	1.000	7,655
2001	258	18,762	1.000	1.000	18,762
2002	246	0	1.000	1.000	0
2003	234	4,114	1.000	1.000	4,114
2004	222	12,588	1.000	1.000	12,588
2005	210	0	1.000	1.000	0
2006	198	113,292	1.000	1.000	113,292
2007	186	107,728	1.000	1.000	107,728
2008	174	3,399	1.000	1.000	3,399
2009	162	32,199	1.000	1.000	32,199
2010	150	209,938	1.000	1.000	209,938
2011	138	188,334	1.000	1.000	188,334
2012	126	55,342	1.000	1.000	55,342
2013	114	118,833	1.000	1.000	118,833
2014	102	3,765	1.000	1.000	3,765
2015	90	20,830	1.000	1.000	20,830
2016	78	12,281	1.000	1.000	12,281
2017	66	327,484	1.000	1.000	327,484
2018	54	0	1.000	1.000	0
2019	42	5,657	1.000	1.000	5,657
2020	30	27,590	1.000	1.000	27,590
2021	18	0	1.041	1.041	0
2022	6	0	4.402	4.582	0
Total		\$ 1,377,471			\$ 1,377,471

Washington State Transit Insurance Pool Property

Paid Loss Development As of June 30, 2022

Accident Year	6-18	18-30	30-42	42-54	54-66	66-78	78-90	90-102	102-114	114-126	126-138	138-150	150-162	162-174	174-186	186-198	198-210	210-222	222-234	234-246	246-258	258-270	270-282	282-294	294-306	306-318	318-330	330-342	342-354	354-366	366-378	378-390	390-402	402-414		
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Avg	18.988	1.018	1.150	0.992	0.990	1.002	0.987	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000		
Vol Wtd Avg	4.402	1.041	1.057	1.000	0.998	0.993	0.994	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000		
8 Yr Vol Wtd Avg	9.367	1.032	1.005	0.999	1.000	0.986	0.992	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000		
7 Yr Vol Wtd Avg	9.711	1.041	1.005	0.999	1.000	0.981	0.992	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000		
6 Yr Vol Wtd Avg	23.179	1.041	1.007	0.997	0.999	0.971	0.999	1.000	1.000	1.000	1.000	1.007	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000		
5 Yr Vol Wtd Avg	23.179	1.044	0.999	0.996	0.999	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000		
4 Yr Vol Wtd Avg	2.867	1.045	1.000	0.998	0.999	0.996	0.998	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000		
3 Yr Vol Wtd Avg	2.867	0.967	1.000	1.000	0.999	0.984	0.998	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000		
Selected	4.402	1.041	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000		
Cumulative	4.582	1.041	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000		
Ratio to Ultimate	0.218	0.961	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000		

Washington State Transit Insurance Pool Property

Paid Loss - Cumulative As of June 30, 2022

Accident Year	6	18	30	42	54	66	78	90	102	114	126	138	150	162	174	186	198	210	222	234	246	258	270	282	294	306	318	330	342	354	366	378	390	402				
1989																																						
1990																																						
1991																																						
1992								2,115	2,115	2,115	2,115	2,115	2,115	2,115	2,115	2,115	2,115	2,115	2,115	2,115	2,115	2,115	2,115	2,115	2,115	2,115	2,115	2,115	2,115	2,115	2,115	2,115	2,115	2,115	2,115			
1993							3,588	3,588	3,588	3,588	3,588	3,588	3,588	3,588	3,588	3,588	3,588	3,588	3,588	3,588	3,588	3,588	3,588	3,588	3,588	3,588	3,588	3,588	3,588	3,588	3,588	3,588	3,588	3,588	3,588			
1994						0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
1995					28,551	28,551	28,551	28,551	28,551	28,551	28,551	28,551	28,551	28,551	28,551	28,551	28,551	28,551	28,551	28,551	28,551	28,551	28,551	28,551	28,551	28,551	28,551	28,551	28,551	28,551	28,551	28,551	28,551	28,551	28,551	28,551		
1996				36,263	37,635	37,635	37,635	37,635	36,263	36,263	36,263	36,263	36,263	36,263	36,263	36,263	36,263	36,263	36,263	36,263	36,263	36,263	36,263	36,263	36,263	36,263	36,263	36,263	36,263	36,263	36,263	36,263	36,263	36,263	36,263	36,263		
1997			4,537	5,537	5,537	5,537	5,537	5,537	5,537	5,537	5,537	5,537	5,537	5,537	5,537	5,537	5,537	5,537	5,537	5,537	5,537	5,537	5,537	5,537	5,537	5,537	5,537	5,537	5,537	5,537	5,537	5,537	5,537	5,537	5,537	5,537		
1998		15,246	15,246	17,543	17,543	17,543	17,543	17,543	17,543	17,543	17,543	17,543	17,543	17,543	17,543	17,543	17,543	17,543	17,543	17,543	17,543	17,543	17,543	17,543	17,543	17,543	17,543	17,543	17,543	17,543	17,543	17,543	17,543	17,543	17,543	17,543		
1999	7,692	38,083	18,383	18,019	16,924	14,083	14,083	14,083	14,083	14,083	14,083	14,083	14,083	14,083	14,083	14,083	14,083	14,083	14,083	14,083	14,083	14,083	14,083	14,083	14,083	14,083	14,083	14,083	14,083	14,083	14,083	14,083	14,083	14,083	14,083	14,083		
2000	0	7,783	7,655	7,655	7,655	7,655	7,655	7,655	7,655	7,655	7,655	7,655	7,655	7,655	7,655	7,655	7,655	7,655	7,655	7,655	7,655	7,655	7,655	7,655	7,655	7,655	7,655	7,655	7,655	7,655	7,655	7,655	7,655	7,655	7,655	7,655		
2001	0	25,835	18,762	18,762	18,762	18,762	18,762	18,762	18,762	18,762	18,762	18,762	18,762	18,762	18,762	18,762	18,762	18,762	18,762	18,762	18,762	18,762	18,762	18,762	18,762	18,762	18,762	18,762	18,762	18,762	18,762	18,762	18,762	18,762	18,762	18,762	18,762	
2002	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2003	8,434	4,464	4,164	4,114	4,114	4,114	4,114	4,114	4,114	4,114	4,114	4,114	4,114	4,114	4,114	4,114	4,114	4,114	4,114	4,114	4,114	4,114	4,114	4,114	4,114	4,114	4,114	4,114	4,114	4,114	4,114	4,114	4,114	4,114	4,114	4,114	4,114	
2004	0	12,588	12,588	12,588	12,588	12,588	12,588	12,588	12,588	12,588	12,588	12,588	12,588	12,588	12,588	12,588	12,588	12,588	12,588	12,588	12,588	12,588	12,588	12,588	12,588	12,588	12,588	12,588	12,588	12,588	12,588	12,588	12,588	12,588	12,588	12,588	12,588	
2005	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2006	0	44,608	46,287	113,292	113,292	113,292	113,292	113,292	113,292	113,292	113,292	113,292	113,292	113,292	113,292	113,292	113,292	113,292	113,292	113,292	113,292	113,292	113,292	113,292	113,292	113,292	113,292	113,292	113,292	113,292	113,292	113,292	113,292	113,292	113,292	113,292	113,292	
2007	7,500	70,723	110,254	107,728	107,728	107,728	107,728	107,728	107,728	107,728	107,728	107,728	107,728	107,728	107,728	107,728	107,728	107,728	107,728	107,728	107,728	107,728	107,728	107,728	107,728	107,728	107,728	107,728	107,728	107,728	107,728	107,728	107,728	107,728	107,728	107,728	107,728	
2008	2,399	3,399	3,399	3,399	3,399	3,399	3,399	3,399	3,399	3,399	3,399	3,399	3,399	3,399	3,399	3,399	3,399	3,399	3,399	3,399	3,399	3,399	3,399	3,399	3,399	3,399	3,399	3,399	3,399	3,399	3,399	3,399	3,399	3,399	3,399	3,399	3,399	
2009	(10)	31,895	32,080	32,199	32,199	32,199	32,199	36,948	32,199	32,199	32,199	32,199	32,199	32,199	32,199	32,199	32,199	32,199	32,199	32,199	32,199	32,199	32,199	32,199	32,199	32,199	32,199	32,199	32,199	32,199	32,199	32,199	32,199	32,199	32,199	32,199		
2010	2,392	210,468	210,186	210,061	209,938	209,938	209,938	209,938	209,938	209,938	209,938	209,938	209,938	209,938	209,938	209,938	209,938	209,938	209,938	209,938	209,938	209,938	209,938	209,938	209,938	209,938	209,938	209,938	209,938	209,938	209,938	209,938	209,938	209,938	209,938	209,938	209,938	
2011	127,733	200,210	199,640	199,560	199,507	199,707	188,334	188,334	188,334	188,334	188,334	188,334	188,334	188,334	188,334	188,334	188,334	188,334	188,334	188,334	188,334	188,334	188,334	188,334	188,334	188,334	188,334	188,334	188,334	188,334	188,334	188,334	188,334	188,334	188,334	188,334	188,334	
2012	16,118	34,956	54,645	54,645	55,342	55,342	55,342	55,342	55,342	55,342	55,342	55,342	55,342	55,342	55,342	55,342	55,342	55,342	55,342	55,342	55,342	55,342	55,342	55,342	55,342	55,342	55,342	55,342	55,342	55,342	55,342	55,342	55,342	55,342	55,342	55,342	55,342	
2013	0	118,509	118,715	118,833	118,833	118,833	118,833	118,833	118,833	118,833	118,833	118,833	118,833	118,833	118,833	118,833	118,833	118,833	118,833	118,833	118,833	118,833	118,833	118,833	118,833	118,833	118,833	118,833	118,833	118,833	118,833	118,833	118,833	118,833	118,833	118,833	118,833	
2014	1,607	2,011	2,157	4,861	4,338	4,212	4,137	3,778	3,765																													
2015	22,990	22,642	22,489	22,364	21,597	21,348	20,830	20,830																														
2016	0	12,281	12,281	12,281	12,281	12,281	12,281																															
2017	2,848	310,714	327,484	327,484	327,484	327,484																																
2018	0	0	0	0	0																																	
2019	8,353	5,799	5,799	5,657																																		
2020	3,694	28,740	27,590																																			
2021	0	0																																				
2022	0																																					

- 1. Loss amounts are net of self-insured retentions and net of deductibles.
- 2. All valuations are as of June 30.

Washington State Transit Insurance Pool
Property

Ultimate Loss Based on Incurred Loss Development
As of June 30, 2022

Accident Year	Age (months)	Cumulative Incurred Loss	Selected Development Factors	Cumulative Development Factors	Ultimate Loss (2) x (4)
(1)	(2)	(3)	(4)	(5)	
1989	402		1.000	1.000	
1990	390		1.000	1.000	
1991	378		1.000	1.000	
1992	366	2,115	1.000	1.000	2,115
1993	354	3,588	1.000	1.000	3,588
1994	342	0	1.000	1.000	0
1995	330	28,551	1.000	1.000	28,551
1996	318	36,263	1.000	1.000	36,263
1997	306	5,537	1.000	1.000	5,537
1998	294	17,543	1.000	1.000	17,543
1999	282	14,083	1.000	1.000	14,083
2000	270	7,655	1.000	1.000	7,655
2001	258	18,762	1.000	1.000	18,762
2002	246	0	1.000	1.000	0
2003	234	4,114	1.000	1.000	4,114
2004	222	12,588	1.000	1.000	12,588
2005	210	0	1.000	1.000	0
2006	198	113,292	1.000	1.000	113,292
2007	186	107,728	1.000	1.000	107,728
2008	174	3,399	1.000	1.000	3,399
2009	162	32,199	1.000	1.000	32,199
2010	150	209,938	1.000	1.000	209,938
2011	138	188,334	1.000	1.000	188,334
2012	126	55,342	1.000	1.000	55,342
2013	114	118,833	1.000	1.000	118,833
2014	102	3,765	1.000	1.000	3,765
2015	90	20,830	1.000	1.000	20,830
2016	78	12,281	1.000	1.000	12,281
2017	66	327,484	1.000	1.000	327,484
2018	54	0	1.000	1.000	0
2019	42	5,657	1.000	1.000	5,657
2020	30	27,590	1.000	1.000	27,590
2021	18	0	1.000	1.000	0
2022	6	0	2.000	2.000	0
Total		\$ 1,377,471			\$ 1,377,471

Confidential Information for the sole benefit and use of PwC's Client

PwC 2023 Rate Level Review as of 2022-06-30 on 2022-11-07

Washington State Transit Insurance Pool Property

Incurred Loss - Cumulative As of June 30, 2022

Accident Year	6	18	30	42	54	66	78	90	102	114	126	138	150	162	174	186	198	210	222	234	246	258	270	282	294	306	318	330	342	354	366	378	390	402			
1989																																					
1990																																					
1991																																					
1992								2,115	2,115	2,115	2,115	2,115	2,115	2,115	2,115	2,115	2,115	2,115	2,115	2,115	2,115	2,115	2,115	2,115	2,115	2,115	2,115	2,115	2,115	2,115	2,115	2,115	2,115	2,115	2,115		
1993							3,588	3,588	3,588	3,588	3,588	3,588	3,588	3,588	3,588	3,588	3,588	3,588	3,588	3,588	3,588	3,588	3,588	3,588	3,588	3,588	3,588	3,588	3,588	3,588	3,588	3,588	3,588	3,588	3,588		
1994						0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
1995					28,551	28,551	28,551	28,551	28,551	28,551	28,551	28,551	28,551	28,551	28,551	28,551	28,551	28,551	28,551	28,551	28,551	28,551	28,551	28,551	28,551	28,551	28,551	28,551	28,551	28,551	28,551	28,551	28,551	28,551	28,551		
1996				36,263	37,635	37,635	37,635	36,263	36,263	36,263	36,263	36,263	36,263	36,263	36,263	36,263	36,263	36,263	36,263	36,263	36,263	36,263	36,263	36,263	36,263	36,263	36,263	36,263	36,263	36,263	36,263	36,263	36,263	36,263	36,263		
1997			4,537	5,537	5,537	5,537	5,537	5,537	5,537	5,537	5,537	5,537	5,537	5,537	5,537	5,537	5,537	5,537	5,537	5,537	5,537	5,537	5,537	5,537	5,537	5,537	5,537	5,537	5,537	5,537	5,537	5,537	5,537	5,537	5,537		
1998		15,246	15,246	17,543	17,543	17,543	17,543	17,543	17,543	17,543	17,543	17,543	17,543	17,543	17,543	17,543	17,543	17,543	17,543	17,543	17,543	17,543	17,543	17,543	17,543	17,543	17,543	17,543	17,543	17,543	17,543	17,543	17,543	17,543	17,543	17,543	
1999	12,692	38,083	18,383	18,019	16,924	14,083	14,083	14,083	14,083	14,083	14,083	14,083	14,083	14,083	14,083	14,083	14,083	14,083	14,083	14,083	14,083	14,083	14,083	14,083	14,083	14,083	14,083	14,083	14,083	14,083	14,083	14,083	14,083	14,083	14,083		
2000	0	7,783	7,655	7,655	7,655	7,655	7,655	7,655	7,655	7,655	7,655	7,655	7,655	7,655	7,655	7,655	7,655	7,655	7,655	7,655	7,655	7,655	7,655	7,655	7,655	7,655	7,655	7,655	7,655	7,655	7,655	7,655	7,655	7,655	7,655		
2001	35,000	25,835	18,762	18,762	18,762	18,762	18,762	18,762	18,762	18,762	18,762	18,762	18,762	18,762	18,762	18,762	18,762	18,762	18,762	18,762	18,762	18,762	18,762	18,762	18,762	18,762	18,762	18,762	18,762	18,762	18,762	18,762	18,762	18,762	18,762		
2002	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2003	8,434	4,464	4,164	4,114	4,114	4,114	4,114	4,114	4,114	4,114	4,114	4,114	4,114	4,114	4,114	4,114	4,114	4,114	4,114	4,114	4,114	4,114	4,114	4,114	4,114	4,114	4,114	4,114	4,114	4,114	4,114	4,114	4,114	4,114	4,114		
2004	0	12,588	12,588	12,588	12,588	12,588	12,588	12,588	12,588	12,588	12,588	12,588	12,588	12,588	12,588	12,588	12,588	12,588	12,588	12,588	12,588	12,588	12,588	12,588	12,588	12,588	12,588	12,588	12,588	12,588	12,588	12,588	12,588	12,588	12,588	12,588	
2005	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2006	0	48,093	47,608	113,292	113,292	113,292	113,292	113,292	113,292	113,292	113,292	113,292	113,292	113,292	113,292	113,292	113,292	113,292	113,292	113,292	113,292	113,292	113,292	113,292	113,292	113,292	113,292	113,292	113,292	113,292	113,292	113,292	113,292	113,292	113,292	113,292	
2007	7,500	70,723	110,254	107,728	107,728	107,728	107,728	107,728	107,728	107,728	107,728	107,728	107,728	107,728	107,728	107,728	107,728	107,728	107,728	107,728	107,728	107,728	107,728	107,728	107,728	107,728	107,728	107,728	107,728	107,728	107,728	107,728	107,728	107,728	107,728	107,728	
2008	2,399	3,399	3,399	3,399	3,399	3,399	3,399	3,399	3,399	3,399	3,399	3,399	3,399	3,399	3,399	3,399	3,399	3,399	3,399	3,399	3,399	3,399	3,399	3,399	3,399	3,399	3,399	3,399	3,399	3,399	3,399	3,399	3,399	3,399	3,399	3,399	
2009	(10)	31,895	32,080	32,199	32,199	32,199	32,199	36,948	32,199	32,199	32,199	32,199	32,199	32,199	32,199	32,199	32,199	32,199	32,199	32,199	32,199	32,199	32,199	32,199	32,199	32,199	32,199	32,199	32,199	32,199	32,199	32,199	32,199	32,199	32,199		
2010	9,892	210,468	210,186	209,986	209,938	209,938	209,938	209,938	209,938	209,938	209,938	209,938	209,938	209,938	209,938	209,938	209,938	209,938	209,938	209,938	209,938	209,938	209,938	209,938	209,938	209,938	209,938	209,938	209,938	209,938	209,938	209,938	209,938	209,938	209,938	209,938	
2011	128,387	200,210	199,760	199,560	199,507	199,707	188,334	188,334	188,334	188,334	188,334	188,334	188,334	188,334	188,334	188,334	188,334	188,334	188,334	188,334	188,334	188,334	188,334	188,334	188,334	188,334	188,334	188,334	188,334	188,334	188,334	188,334	188,334	188,334	188,334	188,334	
2012	33,628	51,913	54,645	54,645	55,342	55,342	55,342	55,342	55,342	55,342	55,342	55,342	55,342	55,342	55,342	55,342	55,342	55,342	55,342	55,342	55,342	55,342	55,342	55,342	55,342	55,342	55,342	55,342	55,342	55,342	55,342	55,342	55,342	55,342	55,342	55,342	
2013	0	118,509	118,715	118,833	118,833	118,833	118,833	118,833	118,833	118,833	118,833	118,833	118,833	118,833	118,833	118,833	118,833	118,833	118,833	118,833	118,833	118,833	118,833	118,833	118,833	118,833	118,833	118,833	118,833	118,833	118,833	118,833	118,833	118,833	118,833	118,833	
2014	6,607	7,011	2,157	4,861	4,338	4,212	4,137	3,778	3,765																												
2015	22,990	22,743	22,489	22,364	21,597	21,348	20,830	20,830																													
2016	16,500	13,781	12,281	12,281	12,281	12,281	12,281																														
2017	333,000	462,714	327,484	327,484	327,484	327,484																															
2018	0	0	0	0	0																																
2019	98,000	5,799	5,799	5,657																																	
2020	5,000	30,046	27,590																																		
2021	0	0																																			
2022	0																																				

- Loss amounts are net of self-insured retentions and net of deductibles.
- All valuations are as of June 30.

Washington State Transit Insurance Pool
Property

Ultimate Loss Based on Loss per Exposure
As of June 30, 2022

Accident Year	Exposures	Selected Loss per Exposure	Ultimate Loss (1) x (2)
	(1)	(2)	(3)
1989			
1990			
1991			
1992	116	175.000	20,300
1993	120	175.000	21,000
1994	124	175.000	21,700
1995	127	175.000	22,225
1996	131	175.000	22,925
1997	135	175.000	23,625
1998	139	175.000	24,325
1999	143	175.000	25,025
2000	148	175.000	25,900
2001	152	175.000	26,600
2002	157	175.000	27,475
2003	161	175.000	28,175
2004	166	175.000	29,050
2005	171	175.000	29,925
2006	176	175.000	30,800
2007	181	175.000	31,675
2008	187	175.000	32,725
2009	206	175.000	36,050
2010	279	175.000	48,825
2011	311	175.000	54,425
2012	321	175.000	56,175
2013	330	175.000	57,750
2014	340	175.000	59,500
2015	350	175.000	61,250
2016	361	175.000	63,175
2017	372	175.000	65,100
2018	442	175.000	77,350
2019	460	175.000	80,500
2020	522	175.000	91,350
2021	563	175.000	98,525
2022	577	175.000	100,975
Total	7,968		\$ 1,394,400

1. Exposures are adjusted property values in millions.

Washington State Transit Insurance Pool
Property

Ultimate Loss Based on Bornhuetter-Ferguson Using Exposures and Paid Loss
As of June 30, 2022

Accident Year	Age (months)	Exposures	Selected Loss Rate	Expected Ultimate Loss (2) x (3)	Cumulative Development Factors	Percentage Undeveloped 1 - 1/(5)	Undeveloped Paid Loss (4) x (6)	Cumulative Paid Loss	Ultimate Loss (7) + (8)	Calculated Loss Rate (9) / (2)
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1989	402				1.000	0.00 %				
1990	390				1.000	0.00 %				
1991	378				1.000	0.00 %				
1992	366	116	175.000	20,300	1.000	0.00 %	0	2,115	2,115	18.233
1993	354	120	175.000	21,000	1.000	0.00 %	0	3,588	3,588	29.900
1994	342	124	175.000	21,700	1.000	0.00 %	0	0	0	0.000
1995	330	127	175.000	22,225	1.000	0.00 %	0	28,551	28,551	224.811
1996	318	131	175.000	22,925	1.000	0.00 %	0	36,263	36,263	276.817
1997	306	135	175.000	23,625	1.000	0.00 %	0	5,537	5,537	41.015
1998	294	139	175.000	24,325	1.000	0.00 %	0	17,543	17,543	126.209
1999	282	143	175.000	25,025	1.000	0.00 %	0	14,083	14,083	98.483
2000	270	148	175.000	25,900	1.000	0.00 %	0	7,655	7,655	51.723
2001	258	152	175.000	26,600	1.000	0.00 %	0	18,762	18,762	123.434
2002	246	157	175.000	27,475	1.000	0.00 %	0	0	0	0.000
2003	234	161	175.000	28,175	1.000	0.00 %	0	4,114	4,114	25.553
2004	222	166	175.000	29,050	1.000	0.00 %	0	12,588	12,588	75.831
2005	210	171	175.000	29,925	1.000	0.00 %	0	0	0	0.000
2006	198	176	175.000	30,800	1.000	0.00 %	0	113,292	113,292	643.705
2007	186	181	175.000	31,675	1.000	0.00 %	0	107,728	107,728	595.182
2008	174	187	175.000	32,725	1.000	0.00 %	0	3,399	3,399	18.176
2009	162	206	175.000	36,050	1.000	0.00 %	0	32,199	32,199	156.306
2010	150	279	175.000	48,825	1.000	0.00 %	0	209,938	209,938	752.466
2011	138	311	175.000	54,425	1.000	0.00 %	0	188,334	188,334	605.576
2012	126	321	175.000	56,175	1.000	0.00 %	0	55,342	55,342	172.405
2013	114	330	175.000	57,750	1.000	0.00 %	0	118,833	118,833	360.100
2014	102	340	175.000	59,500	1.000	0.00 %	0	3,765	3,765	11.074
2015	90	350	175.000	61,250	1.000	0.00 %	0	20,830	20,830	59.514
2016	78	361	175.000	63,175	1.000	0.00 %	0	12,281	12,281	34.019
2017	66	372	175.000	65,100	1.000	0.00 %	0	327,484	327,484	880.333
2018	54	442	175.000	77,350	1.000	0.00 %	0	0	0	0.000
2019	42	460	175.000	80,500	1.000	0.00 %	0	5,657	5,657	12.298
2020	30	522	175.000	91,350	1.000	0.00 %	0	27,590	27,590	52.854
2021	18	563	175.000	98,525	1.041	3.94 %	3,880	0	3,880	6.892
2022	6	577	175.000	100,975	4.582	78.18 %	78,940	0	78,940	136.811
Total		7,968		\$ 1,394,400			\$ 82,820	\$ 1,377,471	\$ 1,460,291	

1. Exposures are adjusted property values in millions.
2. Selected development factors are based on industry trends in the State of Washington.

Washington State Transit Insurance Pool
Property

Ultimate Loss Based on Bornhuetter-Ferguson Using Exposures and Incurred Loss
As of June 30, 2022

Accident Year	Age (months)	Exposures	Selected Loss Rate	Expected Ultimate Loss (2) x (3)	Cumulative Development Factors	Percentage Undeveloped 1 - 1/(5)	Undeveloped Incurred Loss (4) x (6)	Cumulative Incurred Loss	Ultimate Loss (7) + (8)	Calculated Loss Rate (9) / (2)
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1989	402				1.000	0.00 %				
1990	390				1.000	0.00 %				
1991	378				1.000	0.00 %				
1992	366	116	175.000	20,300	1.000	0.00 %	0	2,115	2,115	18.233
1993	354	120	175.000	21,000	1.000	0.00 %	0	3,588	3,588	29.900
1994	342	124	175.000	21,700	1.000	0.00 %	0	0	0	0.000
1995	330	127	175.000	22,225	1.000	0.00 %	0	28,551	28,551	224.811
1996	318	131	175.000	22,925	1.000	0.00 %	0	36,263	36,263	276.817
1997	306	135	175.000	23,625	1.000	0.00 %	0	5,537	5,537	41.015
1998	294	139	175.000	24,325	1.000	0.00 %	0	17,543	17,543	126.209
1999	282	143	175.000	25,025	1.000	0.00 %	0	14,083	14,083	98.483
2000	270	148	175.000	25,900	1.000	0.00 %	0	7,655	7,655	51.723
2001	258	152	175.000	26,600	1.000	0.00 %	0	18,762	18,762	123.434
2002	246	157	175.000	27,475	1.000	0.00 %	0	0	0	0.000
2003	234	161	175.000	28,175	1.000	0.00 %	0	4,114	4,114	25.553
2004	222	166	175.000	29,050	1.000	0.00 %	0	12,588	12,588	75.831
2005	210	171	175.000	29,925	1.000	0.00 %	0	0	0	0.000
2006	198	176	175.000	30,800	1.000	0.00 %	0	113,292	113,292	643.705
2007	186	181	175.000	31,675	1.000	0.00 %	0	107,728	107,728	595.182
2008	174	187	175.000	32,725	1.000	0.00 %	0	3,399	3,399	18.176
2009	162	206	175.000	36,050	1.000	0.00 %	0	32,199	32,199	156.306
2010	150	279	175.000	48,825	1.000	0.00 %	0	209,938	209,938	752.466
2011	138	311	175.000	54,425	1.000	0.00 %	0	188,334	188,334	605.576
2012	126	321	175.000	56,175	1.000	0.00 %	0	55,342	55,342	172.405
2013	114	330	175.000	57,750	1.000	0.00 %	0	118,833	118,833	360.100
2014	102	340	175.000	59,500	1.000	0.00 %	0	3,765	3,765	11.074
2015	90	350	175.000	61,250	1.000	0.00 %	0	20,830	20,830	59.514
2016	78	361	175.000	63,175	1.000	0.00 %	0	12,281	12,281	34.019
2017	66	372	175.000	65,100	1.000	0.00 %	0	327,484	327,484	880.333
2018	54	442	175.000	77,350	1.000	0.00 %	0	0	0	0.000
2019	42	460	175.000	80,500	1.000	0.00 %	0	5,657	5,657	12.298
2020	30	522	175.000	91,350	1.000	0.00 %	0	27,590	27,590	52.854
2021	18	563	175.000	98,525	1.000	0.00 %	0	0	0	0.000
2022	6	577	175.000	100,975	2.000	50.00 %	50,488	0	50,488	87.500
Total		7,968		\$ 1,394,400			\$ 50,488	\$ 1,377,471	\$ 1,427,959	

1. Exposures are adjusted property values in millions.
2. Selected development factors are based on industry trends in the State of Washington.

Washington State Transit Insurance Pool
 Property
 Bornhuetter-Ferguson Seed Calculation
 As of June 30, 2022

Accident Year	Net Paid Loss (1)	Net Paid Loss On-Level @ 0.00% to 2022 (2)	Net Incurred Loss (3)	Net Incurred Loss On-Level @ 0.00% to 2022 (4)	Property Values (in millions - Adjusted for Deductibles) (5)	Paid Loss CDF (6)	Incurred Loss CDF (7)	Paid Burned Exposures (5)/(6) (8)	Incurred Burned Exposures (5)/(7) (9)	Paid Loss Rate (2)/(8) (10)	Incurred Loss Rate (4)/(9) (11)	Selected Loss Rate (12)
1992	2,115	2,115	2,115	2,115	116	1.000	1.000	116	116	18	18	175
1993	3,588	3,588	3,588	3,588	120	1.000	1.000	120	120	30	30	175
1994	0	0	0	0	124	1.000	1.000	124	124	0	0	175
1995	28,551	28,551	28,551	28,551	127	1.000	1.000	127	127	225	225	175
1996	36,263	36,263	36,263	36,263	131	1.000	1.000	131	131	277	277	175
1997	5,537	5,537	5,537	5,537	135	1.000	1.000	135	135	41	41	175
1998	17,543	17,543	17,543	17,543	139	1.000	1.000	139	139	126	126	175
1999	14,083	14,083	14,083	14,083	143	1.000	1.000	143	143	98	98	175
2000	7,655	7,655	7,655	7,655	148	1.000	1.000	148	148	52	52	175
2001	18,762	18,762	18,762	18,762	152	1.000	1.000	152	152	123	123	175
2002	0	0	0	0	157	1.000	1.000	157	157	0	0	175
2003	4,114	4,114	4,114	4,114	161	1.000	1.000	161	161	26	26	175
2004	12,588	12,588	12,588	12,588	166	1.000	1.000	166	166	76	76	175
2005	0	0	0	0	171	1.000	1.000	171	171	0	0	175
2006	113,292	113,292	113,292	113,292	176	1.000	1.000	176	176	644	644	175
2007	107,728	107,728	107,728	107,728	181	1.000	1.000	181	181	595	595	175
2008	3,399	3,399	3,399	3,399	187	1.000	1.000	187	187	18	18	175
2009	32,199	32,199	32,199	32,199	206	1.000	1.000	206	206	156	156	175
2010	209,938	209,938	209,938	209,938	279	1.000	1.000	279	279	752	752	175
2011	188,334	188,334	188,334	188,334	311	1.000	1.000	311	311	606	606	175
2012	55,342	55,342	55,342	55,342	321	1.000	1.000	321	321	172	172	175
2013	118,833	118,833	118,833	118,833	330	1.000	1.000	330	330	360	360	175
2014	3,765	3,765	3,765	3,765	340	1.000	1.000	340	340	11	11	175
2015	20,830	20,830	20,830	20,830	350	1.000	1.000	350	350	60	60	175
2016	12,281	12,281	12,281	12,281	361	1.000	1.000	361	361	34	34	175
2017	327,484	327,484	327,484	327,484	372	1.000	1.000	372	372	880	880	175
2018	0	0	0	0	442	1.000	1.000	442	442	0	0	175
2019	5,657	5,657	5,657	5,657	460	1.000	1.000	460	460	12	12	175
2020	27,590	27,590	27,590	27,590	522	1.000	1.000	522	522	53	53	175
2021	0	0	0	0	563	1.041	1.000	541	563	0	0	175
2022	0	0	0	0	577	4.582	2.000	126	289	0	0	175
Total	1,377,471	1,377,471	1,377,471	1,377,471	7,968			7,495	7,680	184	179	
10 Yr Avg	516,440	516,440	516,440	516,440	4,317			3,844	4,029	134	128	
9 Yr Avg	397,607	397,607	397,607	397,607	3,987			3,514	3,699	113	108	
8 Yr Avg	393,842	393,842	393,842	393,842	3,647			3,174	3,359	124	117	
7 Yr Avg	373,012	373,012	373,012	373,012	3,297			2,824	3,009	132	124	
6 Yr Avg	360,731	360,731	360,731	360,731	2,936			2,463	2,648	146	136	
5 Yr Avg	33,247	33,247	33,247	33,247	2,564			2,091	2,276	16	15	
4 Yr Avg	33,247	33,247	33,247	33,247	2,122			1,649	1,834	20	18	
3 Yr Avg	27,590	27,590	27,590	27,590	1,662			1,189	1,374	23	20	

Selected Loss per Exposure: 175

- Columns (1), (3) and (5) were provided by Pool management.
- Columns (6) and (7) are from Exhibits 7-3 and 7-6.
- Loss per exposure in column (12) is selected based on the averages in columns (10) and (11). No trend is used in column (12) since it is assumed that property losses and property values change at the same rate over time.

Washington State Transit Insurance Pool
Property

Cumulative Paid Loss per Exposure
As of June 30, 2022

Accident Year	6	18	30	42	54	66	78	90	102	114	126	138	150	162	174	186	198	210	222	234	246	258	270	282	294	306	318	330	342	354	366	378	390	402			
1989																																					
1990																																					
1991																																					
1992								18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18		
1993								30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	
1994							0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
1995					225	225	225	225	225	225	225	225	225	225	225	225	225	225	225	225	225	225	225	225	225	225	225	225	225	225	225	225	225	225	225	225	
1996				277	287	287	287	277	277	277	277	277	277	277	277	277	277	277	277	277	277	277	277	277	277	277	277	277	277	277	277	277	277	277	277	277	
1997			34	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	
1998		110	110	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	
1999	54	266	129	126	118	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	
2000	0	53	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	
2001	0	170	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	
2002	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2003	52	28	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	
2004	0	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	
2005	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2006	0	253	263	644	644	644	644	644	644	644	644	644	644	644	644	644	644	644	644	644	644	644	644	644	644	644	644	644	644	644	644	644	644	644	644	644	
2007	41	391	609	595	595	595	595	595	595	595	595	595	595	595	595	595	595	595	595	595	595	595	595	595	595	595	595	595	595	595	595	595	595	595	595	595	
2008	13	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	
2009	0	155	156	156	156	156	179	156	156	156	156	156	156	156	156	156	156	156	156	156	156	156	156	156	156	156	156	156	156	156	156	156	156	156	156	156	
2010	9	754	753	753	752	752	752	752	752	752	752	752	752	752	752	752	752	752	752	752	752	752	752	752	752	752	752	752	752	752	752	752	752	752	752	752	
2011	411	644	642	642	642	642	606	606	606	606	606	606	606	606	606	606	606	606	606	606	606	606	606	606	606	606	606	606	606	606	606	606	606	606	606	606	
2012	50	109	170	170	172	172	172	172	172	172	172	172	172	172	172	172	172	172	172	172	172	172	172	172	172	172	172	172	172	172	172	172	172	172	172	172	
2013	0	359	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	
2014	5	6	6	14	13	12	12	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	
2015	66	65	64	64	62	61	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60
2016	0	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34
2017	8	835	880	880	880	880	880	880	880	880	880	880	880	880	880	880	880	880	880	880	880	880	880	880	880	880	880	880	880	880	880	880	880	880	880	880	880
2018	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2019	18	13	13	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
2020	7	55	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
2021	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Washington State Transit Insurance Pool Property

Cumulative Incurred Loss per Exposure As of June 30, 2022

Accident Year	6	18	30	42	54	66	78	90	102	114	126	138	150	162	174	186	198	210	222	234	246	258	270	282	294	306	318	330	342	354	366	378	390	402		
1989																																				
1990																																				
1991																																				
1992								18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	
1993								30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
1994							0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1995					225	225	225	225	225	225	225	225	225	225	225	225	225	225	225	225	225	225	225	225	225	225	225	225	225	225	225	225	225	225	225	
1996				277	287	287	287	277	277	277	277	277	277	277	277	277	277	277	277	277	277	277	277	277	277	277	277	277	277	277	277	277	277	277	277	
1997			34	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	
1998		110	110	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	
1999	89	266	129	126	118	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	
2000	0	53	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	
2001	230	170	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	
2002	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2003	52	28	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	
2004	0	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	
2005	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2006	0	273	271	644	644	644	644	644	644	644	644	644	644	644	644	644	644	644	644	644	644	644	644	644	644	644	644	644	644	644	644	644	644	644	644	
2007	41	391	609	595	595	595	595	595	595	595	595	595	595	595	595	595	595	595	595	595	595	595	595	595	595	595	595	595	595	595	595	595	595	595	595	
2008	13	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	
2009	0	155	156	156	156	156	179	156	156	156	156	156	156	156	156	156	156	156	156	156	156	156	156	156	156	156	156	156	156	156	156	156	156	156	156	
2010	35	754	753	753	752	752	752	752	752	752	752	752	752	752	752	752	752	752	752	752	752	752	752	752	752	752	752	752	752	752	752	752	752	752	752	
2011	413	644	642	642	642	642	606	606	606	606	606	606	606	606	606	606	606	606	606	606	606	606	606	606	606	606	606	606	606	606	606	606	606	606	606	
2012	105	162	170	170	172	172	172	172	172	172	172	172	172	172	172	172	172	172	172	172	172	172	172	172	172	172	172	172	172	172	172	172	172	172	172	
2013	0	359	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	
2014	19	21	6	14	13	12	12	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	
2015	66	65	64	64	62	61	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	
2016	46	38	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	
2017	895	1,244	880	880	880	880	880	880	880	880	880	880	880	880	880	880	880	880	880	880	880	880	880	880	880	880	880	880	880	880	880	880	880	880	880	
2018	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2019	213	13	13	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	
2020	10	58	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	
2021	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Washington State Transit Insurance Pool
Property

Summary of Claim Count Estimates
As of June 30, 2022

Accident Year	Ultimate Claims (1)	Selected Proportion Earned (2)	Prorated Ultimate Claims (1) x (2) (3)	Reported Claims (4)	Closed Claims (5)	Open Claims (4) - (5) (6)	IBNR Claims (3) - (4) (7)	Total Open and IBNR Claims (6) + (7) (8)
1989								
1990								
1991								
1992	2	1.000	2	2	2	0	0	0
1993	2	1.000	2	2	2	0	0	0
1994		1.000		0	0	0		
1995	4	1.000	4	4	4	0	0	0
1996	2	1.000	2	2	2	0	0	0
1997	2	1.000	2	2	2	0	0	0
1998	3	1.000	3	3	3	0	0	0
1999	3	1.000	3	3	3	0	0	0
2000	5	1.000	5	5	5	0	0	0
2001	3	1.000	3	3	3	0	0	0
2002	3	1.000	3	3	3	0	0	0
2003	10	1.000	10	10	10	0	0	0
2004	2	1.000	2	2	2	0	0	0
2005	7	1.000	7	7	7	0	0	0
2006	10	1.000	10	10	10	0	0	0
2007	9	1.000	9	9	9	0	0	0
2008	5	1.000	5	5	5	0	0	0
2009	10	1.000	10	10	10	0	0	0
2010	31	1.000	31	31	31	0	0	0
2011	31	1.000	31	31	31	0	0	0
2012	20	1.000	20	20	20	0	0	0
2013	7	1.000	7	7	7	0	0	0
2014	7	1.000	7	7	7	0	0	0
2015	7	1.000	7	7	7	0	0	0
2016	7	1.000	7	7	7	0	0	0
2017	5	1.000	5	5	5	0	0	0
2018	0	1.000	0	0	0	0	0	0
2019	7	1.000	7	7	7	0	0	0
2020	27	1.000	27	27	27	0	0	0
2021	44	1.000	44	43	35	8	1	9
2022	19	0.500	10	4	0	4	6	10
Total	294		285	278	266	12	7	19

1. Column (1) is from Exhibit 7-16.

Washington State Transit Insurance Pool
Property

Comparison of Ultimate Claims Estimates
As of June 30, 2022

Accident Year	Reported Claim Development	Claim Frequency	Ultimate Claims
	(1)	(2)	(3)
1989			
1990			
1991			
1992	2	2	2
1993	2	2	2
1994	0	0	
1995	4	4	4
1996	2	2	2
1997	2	2	2
1998	3	3	3
1999	3	3	3
2000	5	5	5
2001	3	3	3
2002	3	3	3
2003	10	10	10
2004	2	2	2
2005	7	7	7
2006	10	10	10
2007	9	9	9
2008	5	5	5
2009	10	10	10
2010	31	31	31
2011	31	31	31
2012	20	20	20
2013	7	7	7
2014	7	7	7
2015	7	7	7
2016	7	7	7
2017	5	5	5
2018	0	0	0
2019	7	7	7
2020	27	27	27
2021	44	44	44
2022	11	23	19
Total	286	298	294

1. Column (1) is from Exhibit 7-17.
2. Column (2) is from Exhibit 7-20.

Washington State Transit Insurance Pool
Property

Ultimate Claims Based on Reported Claim Development
As of June 30, 2022

Accident Year	Age (months)	Cumulative Reported Claims	Selected Development Factors	Cumulative Development Factors	Ultimate Claims (2) x (4)
(1)	(2)	(3)	(4)	(5)	
1989	402		1.000	1.000	
1990	390		1.000	1.000	
1991	378		1.000	1.000	
1992	366	2	1.000	1.000	2
1993	354	2	1.000	1.000	2
1994	342	0	1.000	1.000	0
1995	330	4	1.000	1.000	4
1996	318	2	1.000	1.000	2
1997	306	2	1.000	1.000	2
1998	294	3	1.000	1.000	3
1999	282	3	1.000	1.000	3
2000	270	5	1.000	1.000	5
2001	258	3	1.000	1.000	3
2002	246	3	1.000	1.000	3
2003	234	10	1.000	1.000	10
2004	222	2	1.000	1.000	2
2005	210	7	1.000	1.000	7
2006	198	10	1.000	1.000	10
2007	186	9	1.000	1.000	9
2008	174	5	1.000	1.000	5
2009	162	10	1.000	1.000	10
2010	150	31	1.000	1.000	31
2011	138	31	1.000	1.000	31
2012	126	20	1.000	1.000	20
2013	114	7	1.000	1.000	7
2014	102	7	1.000	1.000	7
2015	90	7	1.000	1.000	7
2016	78	7	1.000	1.000	7
2017	66	5	1.000	1.000	5
2018	54	0	1.000	1.000	0
2019	42	7	1.000	1.000	7
2020	30	27	1.000	1.000	27
2021	18	43	1.022	1.022	44
2022	6	4	2.686	2.745	11
Total		278			286

Washington State Transit Insurance Pool Property

Reported Claims - Cumulative As of June 30, 2022

Accident Year	6	18	30	42	54	66	78	90	102	114	126	138	150	162	174	186	198	210	222	234	246	258	270	282	294	306	318	330	342	354	366	378	390	402		
1989																																				
1990																																				
1991																																				
1992								1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
1993								1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
1994						0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1995					4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
1996				2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
1997			2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
1998		2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
1999	2	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
2000	0	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
2001	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
2002	1	2	2	2	2	3	3	2	3	3	3	3	3	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
2003	5	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
2004	0	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
2005	2	6	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
2006	1	8	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
2007	3	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
2008	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
2009	2	9	10	10	10	10	11	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
2010	10	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
2011	10	33	33	33	33	33	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
2012	8	19	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
2013	3	6	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
2014	5	7	8	8	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
2015	2	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
2016	4	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
2017	3	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
2018	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2019	2	6	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
2020	3	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
2021	21	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43
2022	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4

Washington State Transit Insurance Pool
Property

Ultimate Claims Based on Claim Frequency
As of June 30, 2022

Accident Year	Exposures	Selected Claim Frequency	Ultimate Claims (1) x (2)
	(1)	(2)	(3)
1989			
1990			
1991			
1992	116	0.017	2
1993	120	0.017	2
1994	124	0.000	0
1995	127	0.032	4
1996	131	0.015	2
1997	135	0.015	2
1998	139	0.022	3
1999	143	0.021	3
2000	148	0.034	5
2001	152	0.020	3
2002	157	0.019	3
2003	161	0.062	10
2004	166	0.012	2
2005	171	0.041	7
2006	176	0.057	10
2007	181	0.050	9
2008	187	0.027	5
2009	206	0.049	10
2010	279	0.111	31
2011	311	0.100	31
2012	321	0.062	20
2013	330	0.021	7
2014	340	0.021	7
2015	350	0.020	7
2016	361	0.019	7
2017	372	0.013	5
2018	442	0.000	0
2019	460	0.015	7
2020	522	0.052	27
2021	563	0.078	44
2022	577	0.040	23
Total	7,968		298

1. Exposures are adjusted property values in millions.

Washington State Transit Insurance Pool
Calculation of 2023 Liability / 2022-23 Property Base Rates
As of June 30, 2022

	Automobile <u>Liability</u> (1)	General <u>Liability</u> (2)	Auto Physical <u>Damage</u> (3)	<u>Property</u> (4)	<u>Total</u> (5)
(1) Estimated Ultimate Losses - Net of 1st Party Deductibles (\$2 million Liability/ \$250k APD and Property SIRs)	6,411,000	1,429,000	822,000	116,000	8,778,000
(2) Estimated Ultimate Losses - Gross of 1st Party Deductibles (\$2 million Liability/ \$250k APD and Property SIRs)	6,411,000	1,429,000	1,446,000	154,000	9,440,000
(3) Liability Excess Insurance:					
GEM Premium (\$3 million excess of \$2 million)	1,094,437	58,183			1,188,000
\$10 million excess of \$5 million	482,000	108,000			590,000
\$5 million excess of \$15 million	173,000	39,000			212,000
\$5 million excess of \$20 million	103,000	23,000			126,000
(4) Property Excess Insurance			300,000	1,763,000	2,063,000
(5) General & Administrative	2,605,000	581,000	588,000	62,000	3,836,000
(6) Interest and other income	(68,000)	(15,000)	(15,000)	(2,000)	(100,000)
(7) Equity Contribution	1,783,000	397,000	402,000	43,000	2,625,000
(8) Estimated UIM Portion of Auto Physical Damage Cost			(330,000)		(330,000)
(9) Total Cost with UIM Adjustment [sum of (2) through (8)]	12,583,437	2,620,183	2,391,000	2,020,000	19,650,000
(10) Estimated Exposures	90,251,683	5,956	472,275	877,530	90,251,683
(11) Indicated Base Rates with UIM Adjustment (9)/(10)	0.1394	439.92	5.0627	2.3019	0.2177
(12) Average UIM Rate per UIM mileage			0.0064		
(13) Current (2022) Rates	0.1304	405.85	4.7908	2.5556	0.2003
(14) Contribution generated using current rates (10)x(13)	11,768,819	2,417,243	2,262,576	2,242,616	18,691,254
(15) Rate Change (9)/(14)-1	7%	8%	6%	-10%	5%

1. Losses in line (1) are from exhibit section 3. Losses in line (2), columns (1) and (2) are from exhibit section 3. Losses in line (2), columns (3) and (4) are from Exhibit 8-2.
2. The total column of lines (3) through (6) were provided by WSTIP management.
3. Line (3) is allocated by coverage based on their respective percentage of the total net expected liability loss.
4. Line (4) was provided by WSTIP management.
5. Lines (5) through (7) are allocated by coverage based on their respective percentage of the total net expected loss.
6. The line (7) selected total represents a 5% rate increase.
7. Line (8) is from Exhibit 8-5.
8. Exposures in line (10) are mileage (automobile liability), number of employees (general liability) and total insured vehicle and property values (in thousands). Total mileage, employees, insured property values and vehicle purchase prices were provided by WSTIP management. Vehicle purchase prices have been adjusted for depreciation.
9. The UIM rate in line (12) is an average rate based on projected mileage of 51,751,123. Actual rates (0.0060 for non-vanpool and 0.0075 for vanpool) are mandated by WSTIP board policy and are broken out by mode on Exhibit 8-5.

Washington State Transit Insurance Pool
2022-23 First Party Losses Gross of Deductibles

(1) Auto Physical Damage Ultimate Loss Net of Deductible:	\$822,000
(2) Average APD Deductible Credit	0.432
(3) APD Ultimate Loss Gross of Deductible (1) / [1 - (2)]	1,446,000
(4) Property Ultimate Loss Net of Deductible:	\$116,000
(5) Average Property Deductible Credit	0.245
(6) Property Ultimate Loss Gross of Deductible (4) / [1 - (5)]	154,000

1. Lines (1) and (4) are from exhibit section 3.
2. Lines (3) and (6) are rounded to the nearest thousand.

Washington State Transit Insurance Pool
 Calculation of Deductible Factors for 2022-23

Auto Physical Damage

<u>Deductible</u> (1)	<u>Deductible Credits</u> <u>(Loss Elimination Ratios)</u> (2)	<u>Risk Load</u> (3)	<u>Deductible Credit</u> <u>Adjusted for Risk Load</u> <u>(2) x [1 - (3)]</u> (4)	<u>Loss Portion</u> <u>of Gross Rate</u> (5)	<u>Non-Loss</u> <u>Portion of Gross Rate</u> <u>1 - (5)</u> (6)	<u>Deductible Factors</u> <u>(6) + [1 - (4)] x (5)</u> (7)
\$0	0.000	15.0%	0.000	53.1%	46.9%	1.000
5,000	0.350	15.0%	0.298	53.1%	46.9%	0.842
10,000	0.477	15.0%	0.406	53.1%	46.9%	0.784
25,000	0.634	15.0%	0.539	53.1%	46.9%	0.714
50,000	0.758	15.0%	0.644	53.1%	46.9%	0.658

Property

<u>Deductible</u> (1)	<u>Deductible Credits</u> <u>(Loss Elimination Ratios)</u> (2)	<u>Risk Load</u> (3)	<u>Deductible Credit</u> <u>Adjusted for Risk Load</u> <u>(2) x [1 - (3)]</u> (4)	<u>Loss Portion</u> <u>of Gross Rate</u> (5)	<u>Non-Loss</u> <u>Portion of Gross Rate</u> <u>1 - (5)</u> (6)	<u>Deductible Factors</u> <u>(6) + [1 - (4)] x (5)</u> (7)
\$0	0.000	15.0%	0.000	7.6%	92.4%	1.000
5,000	0.169	15.0%	0.143	7.6%	92.4%	0.989
10,000	0.246	15.0%	0.209	7.6%	92.4%	0.984
25,000	0.389	15.0%	0.330	7.6%	92.4%	0.975
50,000	0.537	15.0%	0.456	7.6%	92.4%	0.965

1. The risk load in column (3) is based on discussions with WSTIP management regarding the profitability of the deductible layer.
2. Deductible credits for both property and auto physical damage are estimated at the \$250,000 self-insured retention level.

**Washington State Transit Insurance Pool
Average Loss Rate Calculation**

<u>Limited Automobile Liability Losses</u>											
Loss Limits	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	Average
\$250,000	2,429,908	5,026,952	3,118,975	3,319,179	3,016,934	3,890,405	5,571,318	4,901,218	1,889,009	1,516,629	3,468,053
\$100,000	2,019,874	4,182,984	2,641,368	2,682,484	2,710,105	3,363,351	4,178,724	3,513,376	1,734,009	1,361,629	2,838,791
\$50,000	1,740,369	3,353,233	2,347,376	2,251,720	2,502,829	2,875,771	3,225,605	2,775,326	1,488,509	1,256,629	2,381,737
\$25,000	1,425,416	2,594,724	1,935,146	1,888,934	2,154,827	2,396,903	2,513,374	2,158,867	1,224,977	1,091,377	1,938,455
Mileage	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	Average
	95,224,448	97,531,057	97,397,060	97,243,934	97,844,671	98,330,664	100,757,009	104,938,893	79,997,680	79,812,371	94,907,779
<u>Average Automobile Liability Loss Rates</u>											
Loss Limits	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	Average
\$250,000	0.026	0.052	0.032	0.034	0.031	0.040	0.055	0.047	0.024	0.019	0.037
\$100,000	0.021	0.043	0.027	0.028	0.028	0.034	0.041	0.033	0.022	0.017	0.030
\$50,000	0.018	0.034	0.024	0.023	0.026	0.029	0.032	0.026	0.019	0.016	0.025
\$25,000	0.015	0.027	0.020	0.019	0.022	0.024	0.025	0.021	0.015	0.014	0.020

<u>Limited General Liability Losses</u>											
Loss Limits	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	Average
\$250,000	587,056	402,261	468,848	314,874	187,357	747,217	553,771	674,215	740,789	321,019	499,741
\$100,000	423,473	281,575	379,919	312,729	187,357	488,766	253,771	409,215	387,289	171,019	329,511
\$50,000	249,114	181,575	216,524	223,838	152,212	315,725	153,771	259,215	237,289	121,019	211,028
\$25,000	149,114	128,973	116,524	148,838	105,896	179,600	95,211	180,466	148,940	96,019	134,958
Number of Employees	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	Average
	4,521	4,420	4,477	4,658	4,934	5,084	5,236	5,479	5,252	5,245	4,931
<u>Average Loss Rates for General Liability</u>											
Loss Limits	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	Average
\$250,000	129.85	91.01	104.72	67.60	37.97	146.97	105.76	123.05	141.05	61.20	101.35
\$100,000	93.67	63.70	84.86	67.14	37.97	96.14	48.47	74.69	73.74	32.61	66.83
\$50,000	55.10	41.08	48.36	48.05	30.85	62.10	29.37	47.31	45.18	23.07	42.80
\$25,000	32.98	29.18	26.03	31.95	21.46	35.33	18.18	32.94	28.36	18.31	27.37

Washington State Transit Insurance Pool
Calculation of Other Rating Cost Components

Member	2023	2023	2023	2023	2023	2023	2023	2023	2023	UIM	UIM	UIM Prem	Premium	Premium	Crime	Extra	Directors	Driver	Origami	Total Other Rating	
	Fixed Route Mileage (1)	Paratransit / DR Mileage (2)	Vanpool Mileage (3)	Admin / Maint. Mileage (4)	Total Mileage (5)	Fixed Route Mileage (6)	Paratransit / DR Mileage (7)	Admin / Maint. Mileage (8)	Non-Vanpool Mileage (9)	Vanpool Mileage (10)	Non-Vanpool Contribution Rate (11)	Vanpool Contribution Rate (12)	(9)x(11) + (10)x(12) (13)	for UST Liability (14)	for Pollution Liability (15)	and Fidelity (16)	Cyber Liability (17)	and Officers (18)	Monitoring Program (19)	Licenses (20)	Cost Components Sum of (13) through (20) (21)
Asotin PTBA	171,000	42,000	130,000	6,000	349,000	171,000	42,000	6,000	219,000	130,000	0.0060	0.0075	2,289	0	0	74	0	1,520	435	0	4,318
Ben Franklin Transit	3,532,000	1,933,000	2,215,000	350,000	8,030,000	0	0	0	2,215,000	0.0060	0.0075	16,613	0	2,053	2,058	0	1,520	22,592	225	0	45,061
Central Transit	240,000	1,650	0	0	241,650	0	0	0	0	0.0060	0.0075	0	0	0	0	0	1,520	0	0	0	1,520
Clallam Transit System	1,300,000	310,000	420,000	145,000	2,175,000	1,300,000	310,000	145,000	1,755,000	420,000	0.0060	0.0075	13,680	2,946	1,595	482	0	1,520	2,986	0	23,209
Columbia County Public Transportation	0	250,000	50,000	15,000	315,000	0	250,000	15,000	265,000	50,000	0.0060	0.0075	1,965	0	11	64	0	1,520	373	0	3,933
Community Transit	9,400,000	0	2,173,089	1,180,199	12,753,288	9,400,000	0	1,180,199	10,580,199	2,173,089	0.0060	0.0075	79,778	7,319	12,607	4,417	0	1,520	61,720	1,800	169,161
C-Tran	4,395,600	1,709,800	275,500	398,000	6,778,900	0	0	0	275,500	0.0060	0.0075	2,066	0	0	2,289	0	1,520	7,480	3,120	0	16,475
Everett Transit	1,450,000	500,000	0	90,000	2,040,000	1,450,000	500,000	90,000	2,040,000	0	0.0060	0.0075	12,240	0	0	0	0	1,520	2,223	0	15,983
Grant Transit Authority	550,000	160,000	150,000	40,000	900,000	0	0	0	150,000	0.0060	0.0075	1,125	0	690	207	0	1,520	917	0	0	4,459
Grays Harbor Transit	1,256,594	294,837	173,748	72,488	1,797,667	1,256,594	294,837	72,488	1,623,919	173,748	0.0060	0.0075	11,047	2,693	670	487	0	1,520	1,649	0	18,066
Intercity Transit	2,800,000	1,065,000	1,560,000	215,000	5,640,000	2,800,000	1,065,000	215,000	4,080,000	1,560,000	0.0060	0.0075	36,180	3,196	3,272	2,264	25,882	1,520	20,473	875	93,662
Island Transit	2,084,855	481,938	366,235	82,867	3,015,895	2,084,855	481,938	82,867	2,649,660	366,235	0.0060	0.0075	18,645	0	1,820	729	0	1,520	3,297	0	26,011
Jefferson Transit Authority	750,000	65,000	20,000	45,000	880,000	750,000	65,000	45,000	860,000	20,000	0.0060	0.0075	5,310	0	762	281	0	1,520	809	225	8,907
Kitsap Transit	2,625,000	1,488,000	398,000	416,000	4,927,000	2,625,000	1,488,000	416,000	4,529,000	398,000	0.0060	0.0075	30,159	8,872	4,107	2,264	0	1,520	11,958	0	58,880
Link Transit	2,300,000	450,000	200,000	85,000	3,035,000	2,300,000	450,000	85,000	2,835,000	200,000	0.0060	0.0075	18,510	887	1,612	812	0	1,520	2,675	225	26,241
Mason Transit Authority	520,000	350,000	0	37,000	907,000	520,000	350,000	37,000	907,000	0	0.0060	0.0075	5,442	0	1,596	359	0	1,520	995	225	10,137
Pacific Transit System	350,000	125,000	0	30,000	505,000	0	0	30,000	30,000	0	0.0060	0.0075	180	1,996	282	113	0	1,520	249	0	4,340
Pierce Transit	10,696,433	280,000	3,000,000	950,000	14,926,433	0	0	0	3,000,000	0.0060	0.0075	22,500	0	0	4,854	0	1,520	65,456	6,075	0	100,405
Pullman Transit	405,000	79,000	0	25,000	509,000	405,000	79,000	25,000	509,000	0	0.0060	0.0075	3,054	0	0	0	0	1,520	327	0	4,901
RiverCities Transit	420,000	180,000	0	30,000	630,000	420,000	180,000	30,000	630,000	0	0.0060	0.0075	3,780	0	0	172	0	1,520	2,141	0	7,613
Skagit Transit	1,429,440	525,000	646,000	161,438	2,761,878	0	0	0	646,000	0.0060	0.0075	4,845	0	2,198	768	0	1,520	3,375	650	0	13,356
Spokane Transit Authority	8,298,749	1,902,542	991,779	471,908	11,664,978	0	0	0	991,779	0.0060	0.0075	7,438	0	8,919	3,544	0	1,520	13,295	1,100	0	35,816
Valley Transit	375,000	164,000	80,000	30,000	649,000	375,000	164,000	30,000	569,000	80,000	0.0060	0.0075	4,014	2,091	793	251	16,693	1,520	809	0	26,171
Whatcom Transportation Authority	2,382,247	1,036,000	142,881	223,866	3,784,994	2,382,247	1,036,000	223,866	3,642,113	142,881	0.0060	0.0075	22,925	0	2,013	1,511	13,630	1,520	5,644	0	47,243
Yakima Transit	720,000	275,000	0	40,000	1,035,000	720,000	275,000	40,000	1,035,000	0	0.0060	0.0075	6,210	0	0	0	0	1,520	1,960	0	9,690
	58,451,918	13,667,767	12,992,232	5,139,766	90,251,683				38,758,891	12,992,232			329,995	30,000	45,000	28,000	56,205	38,000	233,838	14,520	775,558

1. UIM rates in columns (11) and (12) are mandated by WSTIP board policy. \$329,995 is the estimated proportion of APD cost due to UIM. Columns (6) through (8) and (10) were provided by WSTIP management.
2. Columns (14) through (20) were allocated per instructions from WSTIP management.

Member: Asotin PTBA
 Rating Year: 2023
 WSTIP: Rate Assessment Calculation

Rating Unit	2023					Indicated Assessment (1)x(2)x(3)x(5) (6)	2022					Dollar Change (6)-(11) (12)	Percentage Change (12)/(11) (13)	Rating Unit	
	Exposure Units (1)	2023 Base Rate (2)	2023 Experience Mod. Factor (3)	2023 Deductible (4)	2023 Deductible Factor (5)		Exposure Units (7)	2022 Base Rate (8)	2022 Experience Mod. Factor (9)	2022 Deductible (10)	2022 Assessment (7)x(8)x(9)x(10) (11)				
Fixed Route Mileage	171,000	0.1394	1.064		1.000	25,363	171,000	0.1304	1.053	1.000	23,480	1,883	8.0%	Fixed Route Mileage	
Paratransit / Demand Response (DR) Mileage	42,000	0.1394	1.064		1.000	6,230	42,000	0.1304	1.053	1.000	5,767	462	8.0%	Paratransit / Demand Response (DR) Mileage	
Vanpool Mileage	130,000	0.1394	1.064		1.000	19,282	136,000	0.1304	1.053	1.000	18,674	607	3.3%	Vanpool Mileage	
Admin / Maintenance Mileage	6,000	0.1394	1.064		1.000	890	6,000	0.1304	1.053	1.000	824	66	8.0%	Admin / Maintenance Mileage	
Number of Employees	15	439.92	1.064		1.000	7,021	17	405.85	1.053	1.000	7,265	(244)	-3.4%	Number of Employees	
Vehicle Insured Values (in thousands)	843	5.0627	1.000	5.000	0.842	3,594	947	4.7908	1.000	0.832	3,774	(180)	-4.8%	Vehicle Insured Values (in thousands)	
Property Insured Values (in thousands)	1,880	2.3019	1.000	5.000	0.989	4,280	1,752	2.5556	1.000	0.990	4,433	(153)	-3.4%	Property Insured Values (in thousands)	
Other Rating Cost Components						4,318					4,258	60	1.4%	Other Rating Cost Components	
Total Indicated Assessment:						70,977	Total Prior Assessment:					68,475	2,502	3.7%	

Year	Loss Limit (Cap) (14)	Actual Mileage From				Admin / Maintenance (18)	Number of Employees (19)	Pool Average Loss Rate From				Admin / Maintenance (23)	FTEs (24)	Benchmark Liability Losses (Capped) (25)	Actual Liability Losses (Capped) (26)	Relative Loss Experience (26)/(25) (27)	Rating Year (28)	Actual All Coverage Losses (Uncapped) (28)	Open Claims As of 6/30/22 (29)	Experience Mod. Factor (30)
		Fixed Route (15)	Paratransit / DR (16)	Vanpool (17)	Admin / Maintenance (18)			Fixed Route (20)	Paratransit / DR (21)	Vanpool (22)	Admin / Maintenance (23)									
2012	25,000	133,985	33,079	129,108	12,741	12	0.015	0.015	0.015	0.015	32.98	5,020	0	0.000	2012	0	N	0.997		
2013	25,000	136,767	31,656	132,201	11,539	13	0.027	0.027	0.027	0.027	29.18	8,684	25,000	2,879	2013	32,610	N	1.005		
2014	25,000	144,346	38,287	123,451	11,277	13	0.020	0.020	0.020	0.020	26.03	6,644	0	0.000	2014	0	N	1.010		
2015	25,000	144,592	38,196	137,101	7,994	13	0.019	0.019	0.019	0.019	31.95	6,784	8,473	1,249	2015	8,473	N	1.028		
2016	25,000	153,507	33,890	117,068	13,805	15	0.022	0.022	0.022	0.022	21.46	7,331	22,774	3,106	2016	29,770	N	1.034		
2017	25,000	166,173	36,587	103,477	4,856	15	0.024	0.024	0.024	0.024	35.33	8,113	2,626	0.324	2017	11,047	N	1.072		
2018	25,000	166,006	41,083	106,021	5,360	15	0.025	0.025	0.025	0.025	18.18	8,209	5,314	0.647	2018	5,314	N	1.071		
2019	25,000	164,931	42,702	133,753	7,063	14	0.021	0.021	0.021	0.021	32.94	7,630	25,000	3,277	2019	55,938	N	1.070		
2020	25,000	145,652	30,798	100,671	4,412	16	0.015	0.015	0.015	0.015	28.36	4,765	0	0.000	2020	0	N	1.071		
2021	25,000	168,438	33,599	117,856	3,200	16	0.014	0.014	0.014	0.014	18.31	4,711	0	0.000	2021	0	N	1.059		
Ten Years Total or Average:													67,891	89,187	1.314	2022	-	N	1.053	
Latest 3 Years Total or Average:													17,105	25,000	1.462	2023	-		1.064	

Values	Description	Explanation
1.462	(A) Latest Relative Loss Experience	Relative Loss Experience for Latest 3 Years from column (27) above.
1.053	(B) Prior Experience Modification Factor	Experience modification factor from prior rate study.
1.0%	(C) Weight given to Latest Relative Loss Experience:	Based on size - larger members are more self-rated.
99.0%	(D) Weight given to Prior Experience Modification Factor	1-(C)
1.006	(E) Off-Balance Adjustment:	An adjustment factor designed to ensure allocation of the full cost amount
1.064	(F) Experience Modification Factor:	[(A)x(C) + (B)x(D)] x (E)

- In calculating Pool average loss rates and actual member losses, individual claims are capped at \$25,000, \$50,000, \$100,000, or \$250,000 depending upon the number of miles driven each year.
- Pool average loss rates in columns (20) through (24) are from Exhibit 8-4 and are capped at the loss limit presented in column (14).
- Column (25) represents the benchmark loss level (AL+GL) capped at the loss limit shown in column (14). Column (25) is calculated as the member mileage/employees in columns (15) through (19) x their respective average pool loss experience rates in columns (20) through (24).
- Exposures in columns (15) through (19) are actual miles and number of employees. Exposure units in columns (1) and (7) are the estimated future exposures at the time of the rate study.
- The other rating cost components presented in column (6) are from Exhibit 8-5. Prior period assessment audits are conducted separately from the rate study.
- Deductible factors in column (5) adjust the base rate to account for the deductible portion of losses that are retained by the member. Member deductibles are presented in column (4). Deductible factors are calculated on Exhibit 8-3.
- Vehicle insured values in column (1) are calculated as the vehicle purchase price provided by the Pool, adjusted for depreciation and divided by 1,000.
- Property insured values in column (1) are the total insured property values provided by the Pool divided by 1,000.

Member: Ben Franklin Transit
 Rating Year: 2023
 WSTIP: Rate Assessment Calculation

Rating Unit	2023					Indicated Assessment (1)x(2)x(3)x(5) (6)	2022					Dollar Change (6)-(11) (12)	Percentage Change (12)/(11) (13)	Rating Unit	
	Exposure Units (1)	2023 Base Rate (2)	2023 Experience Mod. Factor (3)	2023 Deductible (4)	2023 Deductible Factor (5)		Exposure Units (7)	2022 Base Rate (8)	2022 Experience Mod. Factor (9)	2022 Deductible Factor (10)	2022 Assessment (7)x(8)x(9)x(10) (11)				
Fixed Route Mileage	3,532,000	0.1394	0.721		1.000	354,992	3,368,000	0.1304	0.722	1.000	317,093	37,899	12.0%	Fixed Route Mileage	
Paratransit / Demand Response (DR) Mileage	1,933,000	0.1394	0.721		1.000	194,281	2,355,000	0.1304	0.722	1.000	221,720	(27,440)	-12.4%	Paratransit / Demand Response (DR) Mileage	
Vanpool Mileage	2,215,000	0.1394	0.721		1.000	222,624	1,663,000	0.1304	0.722	1.000	156,569	66,054	42.2%	Vanpool Mileage	
Admin / Maintenance Mileage	350,000	0.1394	0.721		1.000	35,178	355,000	0.1304	0.722	1.000	33,423	1,755	5.3%	Admin / Maintenance Mileage	
Number of Employees	418	439.92	0.721		1.000	132,582	436	405.85	0.722	1.000	127,758	4,824	3.8%	Number of Employees	
Vehicle Insured Values (in thousands)	19,288	5.0627	1.000	5.000	0.842	82,220	22,999	4.7908	1.000	0.832	91,673	(9,453)	-10.3%	Vehicle Insured Values (in thousands)	
Property Insured Values (in thousands)	27,483	2.3019	1.000	5.000	0.989	62,567	25,235	2.5556	1.000	0.990	63,846	(1,278)	-2.0%	Property Insured Values (in thousands)	
Other Rating Cost Components						45,061					35,878	9,183	25.6%	Other Rating Cost Components	
Total Indicated Assessment:						1,129,505	Total Prior Assessment:					1,047,961	81,544	7.8%	

Year	Loss Limit (Cap) (14)	Actual Mileage From					Number of Employees (19)	Pool Average Loss Rate From					Benchmark Liability Losses (Capped) (25)	Actual Liability Losses (Capped) (26)	Relative Loss Experience (26)/(25) (27)	Rating Year (28)	Actual All Coverage Losses (Uncapped) (28)	Open Claims As of 6/30/22 (29)	Experience Mod. Factor (30)
		Fixed Route (15)	Paratransit / DR (16)	Vanpool (17)	Admin / Maintenance (18)	Admin / Maintenance (23)		Fixed Route (20)	Paratransit / DR (21)	Vanpool (22)	Admin / Maintenance (23)	FTEs (24)							
2012	100,000	2,272,279	2,091,282	4,357,289	266,912	260	0.021	0.021	0.021	0.021	93.67	215,000	178,491	0.830	2012	333,097	N	0.973	
2013	100,000	2,307,999	2,301,204	4,046,851	302,313	263	0.043	0.043	0.043	0.043	63.70	400,967	447,574	1.116	2013	1,137,267	N	0.925	
2014	100,000	2,307,210	2,366,725	4,081,934	356,900	270	0.027	0.027	0.027	0.027	84.86	270,047	160,885	0.596	2014	203,434	N	0.915	
2015	100,000	2,331,260	2,178,655	3,845,508	318,354	272	0.028	0.028	0.028	0.028	67.14	257,529	100,699	0.391	2015	203,516	N	0.890	
2016	100,000	2,436,971	2,419,885	3,631,726	307,894	272	0.028	0.028	0.028	0.028	37.97	253,974	218,793	0.861	2016	295,790	N	0.887	
2017	100,000	2,491,663	2,445,151	3,541,621	309,317	306	0.034	0.034	0.034	0.034	96.14	329,999	418,808	1.269	2017	1,214,549	Y	0.927	
2018	100,000	2,734,994	2,406,498	3,630,822	261,454	317	0.041	0.041	0.041	0.041	48.47	389,667	211,309	0.542	2018	326,659	N	0.878	
2019	100,000	3,057,753	2,623,322	3,677,482	291,436	332	0.033	0.033	0.033	0.033	74.69	347,880	193,908	0.557	2019	469,523	Y	0.811	
2020	100,000	2,982,288	1,572,516	1,488,135	330,041	343	0.022	0.022	0.022	0.022	73.74	163,432	160,706	0.983	2020	255,951	Y	0.766	
2021	100,000	3,217,209	1,415,665	1,129,064	289,834	375	0.017	0.017	0.017	0.017	32.61	115,473	72,215	0.625	2021	571,705	Y	0.758	
Ten Years Total or Average:												2,743,968	2,163,388	0.788	2022	-	Y	0.722	
Latest 3 Years Total or Average:												626,785	426,829	0.681	2023	-		0.721	

Values	Description	Explanation
0.681	(A) Latest Relative Loss Experience	Relative Loss Experience for Latest 3 Years from column (27) above.
0.722	(B) Prior Experience Modification Factor	Experience modification factor from prior rate study.
12.4%	(C) Weight given to Latest Relative Loss Experience:	Based on size - larger members are more self-rated.
87.6%	(D) Weight given to Prior Experience Modification Factor	1-(C)
1.006	(E) Off-Balance Adjustment:	An adjustment factor designed to ensure allocation of the full cost amount
0.721	(F) Experience Modification Factor:	[(A)x(C) + (B)x(D)] x (E)

- In calculating Pool average loss rates and actual member losses, individual claims are capped at \$25,000, \$50,000, \$100,000, or \$250,000 depending upon the number of miles driven each year.
- Pool average loss rates in columns (20) through (24) are from Exhibit 8-4 and are capped at the loss limit presented in column (14).
- Column (25) represents the benchmark loss level (AL+GL) capped at the loss limit shown in column (14). Column (25) is calculated as the member mileage/employees in columns (15) through (19) x their respective average pool loss experience rates in columns (20) through (24).
- Exposures in columns (15) through (19) are actual miles and number of employees. Exposure units in columns (1) and (7) are the estimated future exposures at the time of the rate study.
- The other rating cost components presented in column (6) are from Exhibit 8-5. Prior period assessment audits are conducted separately from the rate study.
- Deductible factors in column (5) adjust the base rate to account for the deductible portion of losses that are retained by the member. Member deductibles are presented in column (4). Deductible factors are calculated on Exhibit 8-3.
- Vehicle insured values in column (1) are calculated as the vehicle purchase price provided by the Pool, adjusted for depreciation and divided by 1,000.
- Property insured values in column (1) are the total insured property values provided by the Pool divided by 1,000.

Member: Central Transit
 Rating Year: 2023
 WSTIP: Rate Assessment Calculation

Rating Unit	2023					Indicated Assessment (1)x(2)x(3)x(5) (6)	2022					Dollar Change (6)-(11) (12)	Percentage Change (12)/(11) (13)	Rating Unit	
	Exposure Units (1)	2023 Base Rate (2)	2023 Experience Mod. Factor (3)	2023 Deductible (4)	2023 Deductible Factor (5)		Exposure Units (7)	2022 Base Rate (8)	2022 Experience Mod. Factor (9)	2022 Deductible (10)	2022 Assessment (7)x(8)x(9)x(10) (11)				
Fixed Route Mileage	240,000	0.1394	0.989		1.000	33,088	245,660	0.1304	0.987	1.000	31,618	1,470	4.7%	Fixed Route Mileage	
Paratransit / Demand Response (DR) Mileage	1,650	0.1394	0.989		1.000	227	1,610	0.1304	0.987	1.000	207	20	9.8%	Paratransit / Demand Response (DR) Mileage	
Vanpool Mileage	0	0.1394	0.989		1.000	0	0	0.1304	0.987	1.000	0	0	0.0%	Vanpool Mileage	
Admin / Maintenance Mileage	0	0.1394	0.989		1.000	0	0	0.1304	0.987	1.000	0	0	0.0%	Admin / Maintenance Mileage	
Number of Employees	16	439.92	0.989		1.000	6,961	16	405.85	0.987	1.000	6,409	552	8.6%	Number of Employees	
Vehicle Insured Values (in thousands)	0	5.0627	1.000	0	1.000	0	0	4.7908	1.000	1.000	0	0	0.0%	Vehicle Insured Values (in thousands)	
Property Insured Values (in thousands)	0	2.3019	1.000	0	1.000	0	0	2.5556	1.000	1.000	0	0	0.0%	Property Insured Values (in thousands)	
Other Rating Cost Components						1,520					1,520	0	0.0%	Other Rating Cost Components	
Total Indicated Assessment:						41,797	Total Prior Assessment:					39,754	2,043	5.1%	

Year	Loss Limit (Cap) (14)	Actual Mileage From				Admin / Maintenance (18)	Number of Employees (19)	Pool Average Loss Rate From				Admin / Maintenance (23)	FTEs (24)	Benchmark Liability Losses (Capped) (25)	Actual Liability Losses (Capped) (26)	Relative Loss Experience (26)/(25) (27)	Rating Year (28)	Actual All Coverage Losses (Uncapped) (28)	Open Claims As of 6/30/22 (29)	Experience Mod. Factor (30)
		Fixed Route (15)	Paratransit / DR (16)	Vanpool (17)				Fixed Route (20)	Paratransit / DR (21)	Vanpool (22)										
2012	25,000	0	0	0	0	0	0	0.015	0.015	0.015	0.015	32.98	0	0	0.000	2012	0	N	0.000	
2013	25,000	0	0	0	0	0	0	0.027	0.027	0.027	0.027	29.18	0	0	0.000	2013	0	N	0.000	
2014	25,000	0	0	0	0	0	0	0.020	0.020	0.020	0.020	26.03	0	0	0.000	2014	0	N	0.000	
2015	25,000	0	0	0	0	0	0	0.019	0.019	0.019	0.019	31.95	0	0	0.000	2015	0	N	0.000	
2016	25,000	0	0	0	0	0	0	0.022	0.022	0.022	0.022	21.46	0	0	0.000	2016	0	N	0.000	
2017	25,000	0	0	0	0	0	0	0.024	0.024	0.024	0.024	35.33	0	0	0.000	2017	0	N	0.000	
2018	25,000	0	0	0	0	0	0	0.025	0.025	0.025	0.025	18.18	0	0	0.000	2018	0	N	0.000	
2019	25,000	0	0	0	0	0	0	0.021	0.021	0.021	0.021	32.94	0	0	0.000	2019	0	N	0.000	
2020	25,000	238,791	1,425	0	7,031	16	0	0.015	0.015	0.015	0.015	28.36	4,240	0	0.000	2020	0	N	0.000	
2021	25,000	244,359	1,839	0	0	16	0	0.014	0.014	0.014	0.014	18.31	3,659	0	0.000	2021	0	N	1.000	
Ten Years Total or Average:													7,899	0	0.000	2022	-	N	0.987	
Latest 3 Years Total or Average:													7,899	0	0.000	2023	-	-	0.989	

Values	Description	Explanation
0.000	(A) Latest Relative Loss Experience	Relative Loss Experience for Latest 3 Years from column (27) above.
0.987	(B) Prior Experience Modification Factor	Experience modification factor from prior rate study.
0.5%	(C) Weight given to Latest Relative Loss Experience:	Based on size - larger members are more self-rated.
99.5%	(D) Weight given to Prior Experience Modification Factor	1-(C)
1.006	(E) Off-Balance Adjustment:	An adjustment factor designed to ensure allocation of the full cost amount
0.989	(F) Experience Modification Factor:	[(A)x(C) + (B)x(D)] x (E)

- In calculating Pool average loss rates and actual member losses, individual claims are capped at \$25,000, \$50,000, \$100,000, or \$250,000 depending upon the number of miles driven each year.
- Pool average loss rates in columns (20) through (24) are from Exhibit 8-4 and are capped at the loss limit presented in column (14).
- Column (25) represents the benchmark loss level (AL+GL) capped at the loss limit shown in column (14). Column (25) is calculated as the member mileage/employees in columns (15) through (19) x their respective average pool loss experience rates in columns (20) through (24).
- Exposures in columns (15) through (19) are actual miles and number of employees. Exposure units in columns (1) and (7) are the estimated future exposures at the time of the rate study.
- The other rating cost components presented in column (6) are from Exhibit 8-5. Prior period assessment audits are conducted separately from the rate study.
- Deductible factors in column (5) adjust the base rate to account for the deductible portion of losses that are retained by the member. Member deductibles are presented in column (4). Deductible factors are calculated on Exhibit 8-3.
- Vehicle insured values in column (1) are calculated as the vehicle purchase price provided by the Pool, adjusted for depreciation and divided by 1,000.
- Property insured values in column (1) are the total insured property values provided by the Pool divided by 1,000.

Member: Clallam Transit System
 Rating Year: 2023
 WSTIP: Rate Assessment Calculation

Rating Unit	2023					Indicated Assessment (1)x(2)x(3)x(5) (6)	2022					Dollar Change (6)-(11) (12)	Percentage Change (12)/(11) (13)	Rating Unit	
	Exposure Units (1)	2023 Base Rate (2)	2023 Experience Mod. Factor (3)	2023 Deductible (4)	2023 Deductible Factor (5)		Exposure Units (7)	2022 Base Rate (8)	2022 Experience Mod. Factor (9)	2022 Deductible Factor (10)	2022 Assessment (7)x(8)x(9)x(10) (11)				
Fixed Route Mileage	1,300,000	0.1394	0.815		1.000	147,694	1,175,000	0.1304	0.838	1.000	128,398	19,296	15.0%	Fixed Route Mileage	
Paratransit / Demand Response (DR) Mileage	310,000	0.1394	0.815		1.000	35,219	250,000	0.1304	0.838	1.000	27,319	7,901	28.9%	Paratransit / Demand Response (DR) Mileage	
Vanpool Mileage	420,000	0.1394	0.815		1.000	47,717	455,000	0.1304	0.838	1.000	49,720	(2,004)	-4.0%	Vanpool Mileage	
Admin / Maintenance Mileage	145,000	0.1394	0.815		1.000	16,474	177,000	0.1304	0.838	1.000	19,342	(2,868)	-14.8%	Admin / Maintenance Mileage	
Number of Employees	98	439.92	0.815		1.000	35,136	95	405.85	0.838	1.000	32,310	2,827	8.7%	Number of Employees	
Vehicle Insured Values (in thousands)	7,121	5.0627	1.000	5.000	0.842	30,356	8,497	4.7908	1.000	0.832	33,867	(3,511)	-10.4%	Vehicle Insured Values (in thousands)	
Property Insured Values (in thousands)	24,977	2.3019	1.000	5.000	0.989	56,862	19,599	2.5556	1.000	0.990	49,586	7,276	14.7%	Property Insured Values (in thousands)	
Other Rating Cost Components						23,209					21,521	1,688	7.8%	Other Rating Cost Components	
Total Indicated Assessment:						392,668	Total Prior Assessment:					362,063	30,605	8.5%	

Year	Loss Limit (Cap) (14)	Actual Mileage From				Admin / Maintenance (18)	Number of Employees (19)	Pool Average Loss Rate From				Admin / Maintenance (23)	FTEs (24)	Benchmark Liability Losses (Capped) (25)	Actual Liability Losses (Capped) (26)	Relative Loss Experience (26)/(25) (27)	Actual Rating Year (28)	All Coverage Losses (Uncapped) (28)	Open Claims As of 6/30/22 (29)	Experience Mod. Factor (30)
		Fixed Route (15)	Paratransit / DR (16)	Vanpool (17)	Admin / Maintenance (18)			Fixed Route (20)	Paratransit / DR (21)	Vanpool (22)	Admin / Maintenance (23)									
2012	50,000	1,032,735	462,605	531,446	95,460	82	0.018	0.018	0.018	0.018	55.10	43,306	67,956	1.569	2012	268,855	N	1.020		
2013	50,000	1,034,577	458,192	589,987	101,491	87	0.034	0.034	0.034	0.034	41.08	78,671	7,999	0.102	2013	22,995	N	0.996		
2014	50,000	1,042,447	473,276	642,259	93,499	89	0.024	0.024	0.024	0.024	48.36	58,568	2,277	0.039	2014	3,372	N	1.019		
2015	50,000	1,051,904	474,093	657,734	98,472	94	0.023	0.023	0.023	0.023	48.05	57,362	70,296	1.225	2015	112,130	N	1.009		
2016	50,000	1,066,840	449,451	613,655	96,198	95	0.026	0.026	0.026	0.026	30.85	59,875	42,837	0.715	2016	66,129	N	0.993		
2017	50,000	1,031,833	403,257	570,591	133,999	98	0.029	0.029	0.029	0.029	62.10	68,663	47,229	0.688	2017	83,771	N	1.003		
2018	50,000	1,158,660	437,645	541,984	137,652	102	0.032	0.032	0.032	0.032	29.37	75,787	11,959	0.158	2018	33,601	N	0.970		
2019	50,000	1,152,876	420,964	516,157	126,881	97	0.026	0.026	0.026	0.026	47.31	63,219	28,106	0.445	2019	45,061	N	0.957		
2020	50,000	1,119,456	253,904	451,812	136,236	95	0.019	0.019	0.019	0.019	45.18	40,788	4,721	0.116	2020	53,381	N	0.932		
2021	50,000	1,173,967	274,755	391,183	120,644	95	0.016	0.016	0.016	0.016	23.07	33,060	2,675	0.081	2021	10,531	Y	0.887		
Ten Years Total or Average:													579,299	286,055	0.494	2022	-	Y	0.838	
Latest 3 Years Total or Average:													137,067	35,503	0.259	2023	-		0.815	

Values	Description	Explanation
0.259	(A) Latest Relative Loss Experience	Relative Loss Experience for Latest 3 Years from column (27) above.
0.838	(B) Prior Experience Modification Factor	Experience modification factor from prior rate study.
4.8%	(C) Weight given to Latest Relative Loss Experience:	Based on size - larger members are more self-rated.
95.2%	(D) Weight given to Prior Experience Modification Factor	1-(C)
1.006	(E) Off-Balance Adjustment:	An adjustment factor designed to ensure allocation of the full cost amount
0.815	(F) Experience Modification Factor:	[(A)x(C) + (B)x(D)] x (E)

- In calculating Pool average loss rates and actual member losses, individual claims are capped at \$25,000, \$50,000, \$100,000, or \$250,000 depending upon the number of miles driven each year.
- Pool average loss rates in columns (20) through (24) are from Exhibit 8-4 and are capped at the loss limit presented in column (14).
- Column (25) represents the benchmark loss level (AL+GL) capped at the loss limit shown in column (14). Column (25) is calculated as the member mileage/employees in columns (15) through (19) x their respective average pool loss experience rates in columns (20) through (24).
- Exposures in columns (15) through (19) are actual miles and number of employees. Exposure units in columns (1) and (7) are the estimated future exposures at the time of the rate study.
- The other rating cost components presented in column (6) are from Exhibit 8-5. Prior period assessment audits are conducted separately from the rate study.
- Deductible factors in column (5) adjust the base rate to account for the deductible portion of losses that are retained by the member. Member deductibles are presented in column (4). Deductible factors are calculated on Exhibit 8-3.
- Vehicle insured values in column (1) are calculated as the vehicle purchase price provided by the Pool, adjusted for depreciation and divided by 1,000.
- Property insured values in column (1) are the total insured property values provided by the Pool divided by 1,000.

Member: Columbia County Public Transportation
 Rating Year: 2023
 WSTIP: Rate Assessment Calculation

Rating Unit	2023					Indicated Assessment (1)x(2)x(3)x(5) (6)	2022					Dollar Change (6)-(11) (12)	Percentage Change (12)/(11) (13)	Rating Unit	
	Exposure Units (1)	2023 Base Rate (2)	2023 Experience Mod. Factor (3)	2023 Deductible (4)	2023 Deductible Factor (5)		2022 Exposure Units (7)	2022 Base Rate (8)	2022 Experience Mod. Factor (9)	2022 Deductible (10)	2022 Assessment (7)x(8)x(9)x(10) (11)				
Fixed Route Mileage	0	0.1394	1.007		1.000	0				0	0	0.0%	Fixed Route Mileage		
Paratransit / Demand Response (DR) Mileage	250,000	0.1394	1.007		1.000	35,094	220,000	0.1304	0.993	1.000	28,487	6,607	23.2%	Paratransit / Demand Response (DR) Mileage	
Vanpool Mileage	50,000	0.1394	1.007		1.000	7,019	35,000	0.1304	0.993	1.000	4,532	2,487	54.9%	Vanpool Mileage	
Admin / Maintenance Mileage	15,000	0.1394	1.007		1.000	2,106	5,000	0.1304	0.993	1.000	647	1,458	225.2%	Admin / Maintenance Mileage	
Number of Employees	13	439.92	1.007		1.000	5,759	12	405.85	0.993	1.000	4,836	923	19.1%	Number of Employees	
Vehicle Insured Values (in thousands)	369	5.0627	1.000	5.000	0.842	1,573	480	4.7908	1.000	0.832	1,914	(341)	-17.8%	Vehicle Insured Values (in thousands)	
Property Insured Values (in thousands)	208	2.3019	1.000	5.000	0.989	474	198	2.5556	1.000	0.990	501	(27)	-5.5%	Property Insured Values (in thousands)	
Other Rating Cost Components						3,933					11,547	(7,614)	-65.9%	Other Rating Cost Components	
Total Indicated Assessment:						55,957	Total Prior Assessment:					52,464	3,492	6.7%	

Year	Loss Limit (Cap) (14)	Actual Mileage From				Admin / Maintenance (18)	Number of Employees (19)	Pool Average Loss Rate From				Admin / Maintenance (23)	FTEs (24)	Benchmark Liability Losses (Capped) (25)	Actual Liability Losses (Capped) (26)	Relative Loss Experience (26)/(25) (27)	Rating Year (28)	Actual All Coverage Losses (Uncapped) (28)	Open Claims As of 6/30/22 (29)	Experience Mod. Factor (30)
		Fixed Route (15)	Paratransit / DR (16)	Vanpool (17)	Admin / Maintenance (18)			Fixed Route (20)	Paratransit / DR (21)	Vanpool (22)	Admin / Maintenance (23)									
2012	25,000	0	250,500	157,100	2,500	11	0.015	0.015	0.015	0.015	32.98	6,502	27,274	4.195	2012	567,340	N	1.005		
2013	25,000	0	252,000	133,000	2,500	11	0.027	0.027	0.027	0.027	29.18	10,630	0	0.000	2013	4,026	N	0.996		
2014	25,000	0	235,500	129,000	3,224	14	0.020	0.020	0.020	0.020	26.03	7,671	0	0.000	2014	7,327	N	1.013		
2015	25,000	0	213,001	113,054	1,500	14	0.019	0.019	0.019	0.019	31.95	6,810	0	0.000	2015	0	N	1.018		
2016	25,000	0	221,749	101,545	3,586	14	0.022	0.022	0.022	0.022	21.46	7,499	0	0.000	2016	0	N	1.024		
2017	25,000	0	221,670	69,853	3,517	14	0.024	0.024	0.024	0.024	35.33	7,686	25,000	3.252	2017	36,270	N	1.039		
2018	25,000	0	218,910	76,881	5,002	14	0.025	0.025	0.025	0.025	18.18	7,751	0	0.000	2018	5,701	N	1.019		
2019	25,000	0	229,864	53,420	3,674	15	0.021	0.021	0.021	0.021	32.94	6,398	0	0.000	2019	3,470	N	1.014		
2020	25,000	0	160,107	39,391	750	13	0.015	0.015	0.015	0.015	28.36	3,435	25,000	7.278	2020	950,000	Y	1.013		
2021	25,000	0	172,598	30,670	4,379	11	0.014	0.014	0.014	0.014	18.31	3,041	0	0.000	2021	10,000	N	0.999		
Ten Years Total or Average:													67,422	77,274	1.146	2022	-	N	0.993	
Latest 3 Years Total or Average:													12,873	25,000	1.942	2023	-		1.007	

Values	Description	Explanation
1.942	(A) Latest Relative Loss Experience	Relative Loss Experience for Latest 3 Years from column (27) above.
0.993	(B) Prior Experience Modification Factor	Experience modification factor from prior rate study.
0.8%	(C) Weight given to Latest Relative Loss Experience:	Based on size - larger members are more self-rated.
99.2%	(D) Weight given to Prior Experience Modification Factor	1-(C)
1.006	(E) Off-Balance Adjustment:	An adjustment factor designed to ensure allocation of the full cost amount
1.007	(F) Experience Modification Factor:	[(A)x(C) + (B)x(D)] x (E)

- In calculating Pool average loss rates and actual member losses, individual claims are capped at \$25,000, \$50,000, \$100,000, or \$250,000 depending upon the number of miles driven each year.
- Pool average loss rates in columns (20) through (24) are from Exhibit 8-4 and are capped at the loss limit presented in column (14).
- Column (25) represents the benchmark loss level (AL+GL) capped at the loss limit shown in column (14). Column (25) is calculated as the member mileage/employees in columns (15) through (19) x their respective average pool loss experience rates in columns (20) through (24).
- Exposures in columns (15) through (19) are actual miles and number of employees. Exposure units in columns (1) and (7) are the estimated future exposures at the time of the rate study.
- The other rating cost components presented in column (6) are from Exhibit 8-5. Prior period assessment audits are conducted separately from the rate study.
- Deductible factors in column (5) adjust the base rate to account for the deductible portion of losses that are retained by the member. Member deductibles are presented in column (4). Deductible factors are calculated on Exhibit 8-3.
- Vehicle insured values in column (1) are calculated as the vehicle purchase price provided by the Pool, adjusted for depreciation and divided by 1,000.
- Property insured values in column (1) are the total insured property values provided by the Pool divided by 1,000.

Member: Community Transit
 Rating Year: 2023
 WSTIP: Rate Assessment Calculation

Rating Unit	2023					Indicated Assessment (1)x(2)x(3)x(5) (6)	2022					Dollar Change (6)-(11) (12)	Percentage Change (12)/(11) (13)	Rating Unit	
	Exposure Units (1)	2023 Base Rate (2)	2023 Experience Mod. Factor (3)	2023 Deductible (4)	2023 Deductible Factor (5)		Exposure Units (7)	2022 Base Rate (8)	2022 Experience Mod. Factor (9)	2022 Deductible Factor (10)	2022 Assessment (7)x(8)x(9)x(10) (11)				
Fixed Route Mileage	9,400,000	0.1394	0.766		1.000	1,003,736	9,535,800	0.1304	0.752	1.000	935,088	68,648	7.3%	Fixed Route Mileage	
Paratransit / Demand Response (DR) Mileage	0	0.1394	0.766		1.000	0	0	0.1304	0.752	1.000	0	0	0.0%	Paratransit / Demand Response (DR) Mileage	
Vanpool Mileage	2,173,089	0.1394	0.766		1.000	232,043	3,463,407	0.1304	0.752	1.000	339,624	(107,581)	-31.7%	Vanpool Mileage	
Admin / Maintenance Mileage	1,180,199	0.1394	0.766		1.000	126,022	990,000	0.1304	0.752	1.000	97,080	28,942	29.8%	Admin / Maintenance Mileage	
Number of Employees	897	439.92	0.766		1.000	302,270	824	405.85	0.752	1.000	251,484	50,786	20.2%	Number of Employees	
Vehicle Insured Values (in thousands)	132,191	5.0627	1.000	5.000	0.842	563,503	127,300	4.7908	1.000	0.832	507,412	56,091	11.1%	Vehicle Insured Values (in thousands)	
Property Insured Values (in thousands)	178,110	2.3019	1.000	5.000	0.989	405,482	154,957	2.5556	1.000	0.990	392,048	13,433	3.4%	Property Insured Values (in thousands)	
Other Rating Cost Components						169,161					180,452	(11,291)	-6.3%	Other Rating Cost Components	
Total Indicated Assessment:						2,802,216	Total Prior Assessment:					2,703,189	99,027	3.7%	

Year	Loss Limit (Cap) (14)	Actual Mileage From					Number of Employees (19)	Pool Average Loss Rate From					Benchmark Liability Losses (Capped) (25)	Actual Liability Losses (Capped) (26)	Relative Loss Experience (26)/(25) (27)	Rating Year (28)	Actual All Coverage Losses (Uncapped) (28)	Open Claims As of 6/30/22 (29)	Experience Mod. Factor (30)
		Fixed Route (15)	Paratransit / DR (16)	Vanpool (17)	Admin / Maintenance (18)	Vanpool (20)		Paratransit / DR (21)	Vanpool (22)	Admin / Maintenance (23)	FTEs (24)								
2012	100,000	7,300,572	0	4,915,857	865,543	539	0.021	0.021	0.021	0.021	0.021	93.67	327,978	439,968	1.341	2012	519,121	N	0.970
2013	100,000	7,152,972	0	4,888,490	886,776	547	0.043	0.043	0.043	0.043	0.043	63.70	589,322	369,303	0.627	2013	700,115	N	1.024
2014	100,000	7,350,357	0	4,760,518	892,333	557	0.027	0.027	0.027	0.027	0.027	84.86	399,909	222,320	0.556	2014	446,251	N	0.934
2015	100,000	8,076,227	0	4,711,918	846,111	615	0.028	0.028	0.028	0.028	0.028	67.14	417,392	123,634	0.296	2015	384,601	N	0.977
2016	100,000	8,475,283	0	4,580,314	832,626	672	0.028	0.028	0.028	0.028	0.028	37.97	410,194	250,801	0.611	2016	378,304	N	0.999
2017	100,000	8,617,826	0	4,672,857	1,104,577	687	0.034	0.034	0.034	0.034	0.034	96.14	558,430	303,555	0.544	2017	512,935	N	0.965
2018	100,000	9,730,494	0	4,531,667	656,434	748	0.041	0.041	0.041	0.041	0.041	48.47	654,387	505,311	0.772	2018	1,948,648	Y	0.920
2019	250,000	12,202,075	0	4,711,133	1,245,024	814	0.047	0.047	0.047	0.047	0.047	123.05	948,255	758,076	0.799	2019	1,342,637	Y	0.827
2020	100,000	9,165,439	0	2,182,500	989,992	785	0.022	0.022	0.022	0.022	0.022	73.74	325,321	262,981	0.808	2020	389,498	Y	0.809
2021	100,000	9,237,588	0	1,436,625	729,397	715	0.017	0.017	0.017	0.017	0.017	32.61	217,863	158,218	0.726	2021	375,127	Y	0.737
Ten Years Total or Average:												4,849,051	3,394,168	0.700	2022	-	Y	0.752	
Latest 3 Years Total or Average:												1,491,439	1,179,275	0.791	2023	-		0.766	

Values	Description	Explanation
0.791	(A) Latest Relative Loss Experience	Relative Loss Experience for Latest 3 Years from column (27) above.
0.752	(B) Prior Experience Modification Factor	Experience modification factor from prior rate study.
24.7%	(C) Weight given to Latest Relative Loss Experience:	Based on size - larger members are more self-rated.
75.3%	(D) Weight given to Prior Experience Modification Factor	1-(C)
1.006	(E) Off-Balance Adjustment:	An adjustment factor designed to ensure allocation of the full cost amount
0.766	(F) Experience Modification Factor:	[(A)x(C) + (B)x(D)] x (E)

- In calculating Pool average loss rates and actual member losses, individual claims are capped at \$25,000, \$50,000, \$100,000, or \$250,000 depending upon the number of miles driven each year.
- Pool average loss rates in columns (20) through (24) are from Exhibit 8-4 and are capped at the loss limit presented in column (14).
- Column (25) represents the benchmark loss level (AL+GL) capped at the loss limit shown in column (14). Column (25) is calculated as the member mileage/employees in columns (15) through (19) x their respective average pool loss experience rates in columns (20) through (24).
- Exposures in columns (15) through (19) are actual miles and number of employees. Exposure units in columns (1) and (7) are the estimated future exposures at the time of the rate study.
- The other rating cost components presented in column (6) are from Exhibit 8-5. Prior period assessment audits are conducted separately from the rate study.
- Deductible factors in column (5) adjust the base rate to account for the deductible portion of losses that are retained by the member. Member deductibles are presented in column (4). Deductible factors are calculated on Exhibit 8-3.
- Vehicle insured values in column (1) are calculated as the vehicle purchase price provided by the Pool, adjusted for depreciation and divided by 1,000.
- Property insured values in column (1) are the total insured property values provided by the Pool divided by 1,000.

Member: C-Tran
Rating Year: 2023
WSTIP: Rate Assessment Calculation

Rating Unit	2023					Indicated Assessment (1)x(2)x(3)x(5) (6)	2022					Dollar Change (6)-(11) (12)	Percentage Change (12)/(11) (13)	Rating Unit	
	Exposure Units (1)	2023 Base Rate (2)	2023 Experience Mod. Factor (3)	2023 Deductible (4)	2023 Deductible Factor (5)		2022 Exposure Units (7)	2022 Base Rate (8)	2022 Experience Mod. Factor (9)	2022 Deductible (10)	2022 Assessment (7)x(8)x(9)x(10) (11)				
Fixed Route Mileage	4,395,600	0.1394	0.894		1.000	547,795	4,336,400	0.1304	0.899	1.000	508,354	39,441	7.8%	Fixed Route Mileage	
Paratransit / Demand Response (DR) Mileage	1,709,800	0.1394	0.894		1.000	213,081	1,900,500	0.1304	0.899	1.000	222,795	(9,713)	-4.4%	Paratransit / Demand Response (DR) Mileage	
Vanpool Mileage	275,500	0.1394	0.894		1.000	34,334	202,200	0.1304	0.899	1.000	23,704	10,630	44.8%	Vanpool Mileage	
Admin / Maintenance Mileage	398,000	0.1394	0.894		1.000	49,600	346,100	0.1304	0.899	1.000	40,573	9,027	22.2%	Admin / Maintenance Mileage	
Number of Employees	465	439.92	0.894		1.000	182,879	455	405.85	0.899	1.000	166,011	16,868	10.2%	Number of Employees	
Vehicle Insured Values (in thousands)	33,281	5.0627	1.000	10,000	0.784	132,096	38,415	4.7908	1.000	0.771	141,893	(9,796)	-6.9%	Vehicle Insured Values (in thousands)	
Property Insured Values (in thousands)	54,330	2.3019	1.000	10,000	0.984	123,061	72,071	2.5556	1.000	0.985	181,422	(58,361)	-32.2%	Property Insured Values (in thousands)	
Other Rating Cost Components						16,475					14,858	1,617	10.9%	Other Rating Cost Components	
Total Indicated Assessment:						1,299,323	Total Prior Assessment:					1,299,610	(287)	0.0%	

Year	Loss Limit (Cap) (14)	Actual Mileage From				Admin / Maintenance (18)	Number of Employees (19)	Pool Average Loss Rate From				Admin / Maintenance (23)	FTEs (24)	Benchmark Liability Losses (Capped) (25)	Actual Liability Losses (Capped) (26)	Relative Loss Experience (26)/(25) (27)	Rating Year (28)	Actual All Coverage Losses (Uncapped) (28)	Open Claims As of 6/30/22 (29)	Experience Mod. Factor (30)
		Fixed Route (15)	Paratransit / DR (16)	Vanpool (17)	Admin / Maintenance (18)			Fixed Route (20)	Paratransit / DR (21)	Vanpool (22)	Admin / Maintenance (23)									
2012	100,000	4,645,968	1,454,013	303,654	268,385	391	0.021	0.021	0.021	0.021	0.021	93.67	178,149	190,837	1.071	2012	2,612,341	N	1.000	
2013	100,000	4,637,508	1,541,863	412,699	249,914	397	0.043	0.043	0.043	0.043	0.043	63.70	318,735	247,070	0.775	2013	319,723	N	1.000	
2014	100,000	4,671,165	1,566,576	452,591	247,285	402	0.027	0.027	0.027	0.027	0.027	84.86	222,259	285,624	1.285	2014	406,648	N	0.944	
2015	100,000	5,001,661	1,676,335	398,958	256,604	417	0.028	0.028	0.028	0.028	0.028	67.14	230,294	221,820	0.963	2015	349,086	N	1.016	
2016	100,000	4,617,988	1,658,508	388,685	249,116	415	0.028	0.028	0.028	0.028	0.028	37.97	207,271	219,963	1.061	2016	303,220	N	1.033	
2017	100,000	4,663,145	1,637,349	325,303	252,887	427	0.034	0.034	0.034	0.034	0.034	96.14	276,333	280,327	1.014	2017	451,929	N	1.049	
2018	100,000	4,702,356	1,861,434	260,260	235,587	442	0.041	0.041	0.041	0.041	0.041	48.47	313,930	198,480	0.632	2018	369,684	N	1.033	
2019	100,000	4,793,558	1,885,029	271,754	261,473	462	0.033	0.033	0.033	0.033	0.033	74.69	275,959	164,114	0.595	2019	208,946	Y	1.024	
2020	100,000	4,422,929	1,046,484	172,947	301,789	426	0.022	0.022	0.022	0.022	0.022	73.74	160,258	242,478	1.513	2020	505,697	Y	1.005	
2021	100,000	4,326,876	1,187,910	148,665	368,361	427	0.017	0.017	0.017	0.017	0.017	32.61	116,828	34,921	0.299	2021	135,010	Y	0.939	
Ten Years Total or Average:													2,300,015	2,085,633	0.907	2022	-	Y	0.899	
Latest 3 Years Total or Average:													553,044	441,512	0.798	2023	-		0.894	

Values	Description	Explanation
0.798	(A) Latest Relative Loss Experience	Relative Loss Experience for Latest 3 Years from column (27) above.
0.899	(B) Prior Experience Modification Factor	Experience modification factor from prior rate study.
10.6%	(C) Weight given to Latest Relative Loss Experience:	Based on size - larger members are more self-rated.
89.4%	(D) Weight given to Prior Experience Modification Factor	1-(C)
1.006	(E) Off-Balance Adjustment:	An adjustment factor designed to ensure allocation of the full cost amount
0.894	(F) Experience Modification Factor:	[(A)x(C) + (B)x(D)] x (E)

- In calculating Pool average loss rates and actual member losses, individual claims are capped at \$25,000, \$50,000, \$100,000, or \$250,000 depending upon the number of miles driven each year.
- Pool average loss rates in columns (20) through (24) are from Exhibit 8-4 and are capped at the loss limit presented in column (14).
- Column (25) represents the benchmark loss level (AL+GL) capped at the loss limit shown in column (14). Column (25) is calculated as the member mileage/employees in columns (15) through (19) x their respective average pool loss experience rates in columns (20) through (24).
- Exposures in columns (15) through (19) are actual miles and number of employees. Exposure units in columns (1) and (7) are the estimated future exposures at the time of the rate study.
- The other rating cost components presented in column (6) are from Exhibit 8-5. Prior period assessment audits are conducted separately from the rate study.
- Deductible factors in column (5) adjust the base rate to account for the deductible portion of losses that are retained by the member. Member deductibles are presented in column (4). Deductible factors are calculated on Exhibit 8-3.
- Vehicle insured values in column (1) are calculated as the vehicle purchase price provided by the Pool, adjusted for depreciation and divided by 1,000.
- Property insured values in column (1) are the total insured property values provided by the Pool divided by 1,000.

Member: Everett Transit
 Rating Year: 2023
 WSTIP: Rate Assessment Calculation

Rating Unit	2023					Indicated Assessment (1)x(2)x(3)x(5) (6)	2022					Dollar Change (6)-(11) (12)	Percentage Change (12)/(11) (13)	Rating Unit	
	Exposure Units (1)	2023 Base Rate (2)	2023 Experience Mod. Factor (3)	2023 Deductible (4)	2023 Deductible Factor (5)		2022 Exposure Units (7)	2022 Base Rate (8)	2022 Experience Mod. Factor (9)	2022 Deductible Factor (10)	2022 Assessment (7)x(8)x(9)x(10) (11)				
Fixed Route Mileage	1,450,000	0.1394	1.102		1.000	222,747	1,360,000	0.1304	1.085	1.000	192,418	30,329	15.8%	Fixed Route Mileage	
Paratransit / Demand Response (DR) Mileage	500,000	0.1394	1.102		1.000	76,809	463,000	0.1304	1.085	1.000	65,507	11,302	17.3%	Paratransit / Demand Response (DR) Mileage	
Vanpool Mileage	0	0.1394	1.102		1.000	0	0	0.1304	1.085	1.000	0	0	0.0%	Vanpool Mileage	
Admin / Maintenance Mileage	90,000	0.1394	1.102		1.000	13,826	74,000	0.1304	1.085	1.000	10,470	3,356	32.1%	Admin / Maintenance Mileage	
Number of Employees	152	439.92	1.102		1.000	73,688	138	405.85	1.085	1.000	60,768	12,920	21.3%	Number of Employees	
Vehicle Insured Values (in thousands)	0	5.0627	1.000	0	1.000	0	0	4.7908	1.000	1.000	0	0	0.0%	Vehicle Insured Values (in thousands)	
Property Insured Values (in thousands)	0	2.3019	1.000	0	1.000	0	0	2.5556	1.000	1.000	0	0	0.0%	Property Insured Values (in thousands)	
Other Rating Cost Components						15,983					14,350	1,633	11.4%	Other Rating Cost Components	
Total Indicated Assessment:						403,054	Total Prior Assessment:					343,513	59,541	17.3%	

Year	Loss Limit (Cap) (14)	Actual Mileage From					Number of Employees (19)	Pool Average Loss Rate From					Benchmark Liability Losses (Capped) (25)	Actual Liability Losses (Capped) (26)	Relative Loss Experience (26)/(25) (27)	Rating Year (28)	Actual All Coverage Losses (Uncapped) (28)	Open Claims As of 6/30/22 (29)	Experience Mod. Factor (30)
		Fixed Route (15)	Paratransit / DR (16)	Vanpool (17)	Admin / Maintenance (18)	Fixed Route (20)		Paratransit / DR (21)	Vanpool (22)	Admin / Maintenance (23)	FTEs (24)								
2012	50,000	1,552,363	599,662	49,081	70,383	145	0.018	0.018	0.018	0.018	0.018	55.10	49,505	38,402	0.776	2012	38,402	N	1.072
2013	50,000	1,346,499	548,389	0	84,889	142	0.034	0.034	0.034	0.034	0.034	41.08	73,900	38,954	0.527	2013	38,954	N	1.115
2014	50,000	1,347,725	619,331	0	77,141	144	0.024	0.024	0.024	0.024	0.024	48.36	56,232	62,496	1.111	2014	63,014	N	1.104
2015	50,000	1,371,812	630,494	44,015	74,566	156	0.023	0.023	0.023	0.023	0.023	48.05	56,606	28,566	0.505	2015	29,238	N	1.118
2016	50,000	1,431,800	555,488	0	61,395	154	0.026	0.026	0.026	0.026	0.026	30.85	57,155	60,665	1.061	2016	74,909	N	1.111
2017	50,000	1,448,890	626,370	8,984	65,706	154	0.029	0.029	0.029	0.029	0.029	62.10	72,441	67,318	0.929	2017	83,821	N	1.123
2018	50,000	1,436,311	643,577	21,926	74,385	157	0.032	0.032	0.032	0.032	0.032	29.37	74,213	101,537	1.368	2018	1,261,537	Y	1.099
2019	50,000	1,400,304	765,023	0	111,175	154	0.026	0.026	0.026	0.026	0.026	47.31	67,493	73,976	1.096	2019	73,976	Y	1.085
2020	50,000	982,350	343,518	0	72,780	134	0.019	0.019	0.019	0.019	0.019	45.18	32,079	68,424	2.133	2020	86,424	Y	1.091
2021	50,000	1,133,177	332,589	0	81,680	134	0.016	0.016	0.016	0.016	0.016	23.07	27,456	25,924	0.944	2021	25,924	Y	1.084
Ten Years Total or Average:													567,080	566,262	0.999	2022	-	N	1.085
Latest 3 Years Total or Average:													127,027	168,324	1.325	2023	-		1.102

Values	Description	Explanation
1.325	(A) Latest Relative Loss Experience	Relative Loss Experience for Latest 3 Years from column (27) above.
1.085	(B) Prior Experience Modification Factor	Experience modification factor from prior rate study.
4.2%	(C) Weight given to Latest Relative Loss Experience:	Based on size - larger members are more self-rated.
95.8%	(D) Weight given to Prior Experience Modification Factor	1-(C)
1.006	(E) Off-Balance Adjustment:	An adjustment factor designed to ensure allocation of the full cost amount
1.102	(F) Experience Modification Factor:	[(A)x(C) + (B)x(D)] x (E)

- In calculating Pool average loss rates and actual member losses, individual claims are capped at \$25,000, \$50,000, \$100,000, or \$250,000 depending upon the number of miles driven each year.
- Pool average loss rates in columns (20) through (24) are from Exhibit 8-4 and are capped at the loss limit presented in column (14).
- Column (25) represents the benchmark loss level (AL+GL) capped at the loss limit shown in column (14). Column (25) is calculated as the member mileage/employees in columns (15) through (19) x their respective average pool loss experience rates in columns (20) through (24).
- Exposures in columns (15) through (19) are actual miles and number of employees. Exposure units in columns (1) and (7) are the estimated future exposures at the time of the rate study.
- The other rating cost components presented in column (6) are from Exhibit 8-5. Prior period assessment audits are conducted separately from the rate study.
- Deductible factors in column (5) adjust the base rate to account for the deductible portion of losses that are retained by the member. Member deductibles are presented in column (4). Deductible factors are calculated on Exhibit 8-3.
- Vehicle insured values in column (1) are calculated as the vehicle purchase price provided by the Pool, adjusted for depreciation and divided by 1,000.
- Property insured values in column (1) are the total insured property values provided by the Pool divided by 1,000.

Member: Grant Transit Authority
 Rating Year: 2023
 WSTIP: Rate Assessment Calculation

Rating Unit	2023					Indicated Assessment (1)x(2)x(3)x(5) (6)	2022					Dollar Change (6)-(11) (12)	Percentage Change (12)/(11) (13)	Rating Unit	
	Exposure Units (1)	2023 Base Rate (2)	2023 Experience Mod. Factor (3)	2023 Deductible (4)	2023 Deductible Factor (5)		Exposure Units (7)	2022 Base Rate (8)	2022 Experience Mod. Factor (9)	2022 Deductible Factor (10)	2022 Assessment (7)x(8)x(9)x(10) (11)				
Fixed Route Mileage	550,000	0.1394	0.879		1.000	67,393	500,000	0.1304	0.881	1.000	57,441	9,952	17.3%	Fixed Route Mileage	
Paratransit / Demand Response (DR) Mileage	160,000	0.1394	0.879		1.000	19,605	150,000	0.1304	0.881	1.000	17,232	2,373	13.8%	Paratransit / Demand Response (DR) Mileage	
Vanpool Mileage	150,000	0.1394	0.879		1.000	18,380	150,000	0.1304	0.881	1.000	17,232	1,148	6.7%	Vanpool Mileage	
Admin / Maintenance Mileage	40,000	0.1394	0.879		1.000	4,901	45,000	0.1304	0.881	1.000	5,170	(268)	-5.2%	Admin / Maintenance Mileage	
Number of Employees	42	439.92	0.879		1.000	16,241	40	405.85	0.881	1.000	14,302	1,939	13.6%	Number of Employees	
Vehicle Insured Values (in thousands)	1,218	5.0627	1.000	5,000	0.842	5,193	876	4.7908	1.000	0.832	3,491	1,702	48.8%	Vehicle Insured Values (in thousands)	
Property Insured Values (in thousands)	7,451	2.3019	1.000	5,000	0.989	16,963	8,482	2.5556	1.000	0.990	21,460	(4,497)	-21.0%	Property Insured Values (in thousands)	
Other Rating Cost Components						4,459					3,858	601	15.6%	Other Rating Cost Components	
Total Indicated Assessment:						153,135	Total Prior Assessment:					140,186	12,949	9.2%	

Year	Loss Limit (Cap) (14)	Actual Mileage From					Number of Employees (19)	Pool Average Loss Rate From					Benchmark Liability Losses (Capped) (25)	Actual Liability Losses (Capped) (26)	Relative Loss Experience (26)/(25) (27)	Rating Year (28)	Actual All Coverage Losses (Uncapped) (28)	Open Claims As of 6/30/22 (29)	Experience Mod. Factor (30)
		Fixed Route (15)	Paratransit / DR (16)	Vanpool (17)	Admin / Maintenance (18)	Fixed Route (20)		Paratransit / DR (21)	Vanpool (22)	Admin / Maintenance (23)	FTEs (24)								
2012	50,000	956,036	131,249	250,982	19,433	6	0.018	0.018	0.018	0.018	55.10	25,145	17,522	0.697	2012	50,837	N	0.980	
2013	50,000	912,322	172,536	273,965	18,376	35	0.034	0.034	0.034	0.034	41.08	48,788	1,490	0.031	2013	28,759	N	0.969	
2014	50,000	862,145	111,936	268,045	19,974	37	0.024	0.024	0.024	0.024	48.36	32,207	8,721	0.271	2014	18,233	N	0.987	
2015	50,000	906,420	113,322	277,496	11,293	34	0.023	0.023	0.023	0.023	48.05	31,933	50,000	1.566	2015	119,328	N	0.991	
2016	50,000	995,773	147,228	257,718	24,000	38	0.026	0.026	0.026	0.026	30.85	37,616	2,803	0.075	2016	56,238	N	0.975	
2017	50,000	1,140,985	180,266	245,529	151,561	53	0.029	0.029	0.029	0.029	62.10	53,546	7,310	0.137	2017	36,194	N	0.995	
2018	50,000	1,299,914	96,000	258,268	55,350	48	0.032	0.032	0.032	0.032	29.37	56,086	23,077	0.411	2018	28,118	N	0.977	
2019	50,000	799,012	98,160	259,283	70,454	40	0.026	0.026	0.026	0.026	47.31	34,341	9,112	0.265	2019	57,384	Y	0.952	
2020	25,000	459,322	56,344	66,682	38,785	39	0.015	0.015	0.015	0.015	28.36	10,617	27,015	2.544	2020	102,293	Y	0.941	
2021	25,000	489,286	91,549	52,687	38,785	40	0.014	0.014	0.014	0.014	18.31	9,926	0	0.000	2021	4,571	N	0.916	
Ten Years Total or Average:												340,204	147,049	0.432	2022	-	N	0.881	
Latest 3 Years Total or Average:												54,883	36,126	0.658	2023	-		0.879	

Values	Description	Explanation
0.658	(A) Latest Relative Loss Experience	Relative Loss Experience for Latest 3 Years from column (27) above.
0.881	(B) Prior Experience Modification Factor	Experience modification factor from prior rate study.
3.3%	(C) Weight given to Latest Relative Loss Experience:	Based on size - larger members are more self-rated.
96.7%	(D) Weight given to Prior Experience Modification Factor	1-(C)
1.006	(E) Off-Balance Adjustment:	An adjustment factor designed to ensure allocation of the full cost amount
0.879	(F) Experience Modification Factor:	[(A)x(C) + (B)x(D)] x (E)

- In calculating Pool average loss rates and actual member losses, individual claims are capped at \$25,000, \$50,000, \$100,000, or \$250,000 depending upon the number of miles driven each year.
- Pool average loss rates in columns (20) through (24) are from Exhibit 8-4 and are capped at the loss limit presented in column (14).
- Column (25) represents the benchmark loss level (AL+GL) capped at the loss limit shown in column (14). Column (25) is calculated as the member mileage/employees in columns (15) through (19) x their respective average pool loss experience rates in columns (20) through (24).
- Exposures in columns (15) through (19) are actual miles and number of employees. Exposure units in columns (1) and (7) are the estimated future exposures at the time of the rate study.
- The other rating cost components presented in column (6) are from Exhibit 8-5. Prior period assessment audits are conducted separately from the rate study.
- Deductible factors in column (5) adjust the base rate to account for the deductible portion of losses that are retained by the member. Member deductibles are presented in column (4). Deductible factors are calculated on Exhibit 8-3.
- Vehicle insured values in column (1) are calculated as the vehicle purchase price provided by the Pool, adjusted for depreciation and divided by 1,000.
- Property insured values in column (1) are the total insured property values provided by the Pool divided by 1,000.

Member: Grays Harbor Transit
 Rating Year: 2023
 WSTIP: Rate Assessment Calculation

Rating Unit	2023					Indicated Assessment (1)x(2)x(3)x(5) (6)	2022					Dollar Change (6)-(11) (12)	Percentage Change (12)/(11) (13)	Rating Unit	
	Exposure Units (1)	2023 Base Rate (2)	2023 Experience Mod. Factor (3)	2023 Deductible (4)	2023 Deductible Factor (5)		2022 Exposure Units (7)	2022 Base Rate (8)	2022 Experience Mod. Factor (9)	2022 Deductible (10)	2022 Assessment (7)x(8)x(9)x(10) (11)				
Fixed Route Mileage	1,256,594	0.1394	1.148		1.000	201,094	1,248,930	0.1304	1.046	1.000	170,352	30,742	18.0%	Fixed Route Mileage	
Paratransit / Demand Response (DR) Mileage	294,837	0.1394	1.148		1.000	47,183	436,000	0.1304	1.046	1.000	59,470	(12,287)	-20.7%	Paratransit / Demand Response (DR) Mileage	
Vanpool Mileage	173,748	0.1394	1.148		1.000	27,805	123,852	0.1304	1.046	1.000	16,893	10,912	64.6%	Vanpool Mileage	
Admin / Maintenance Mileage	72,488	0.1394	1.148		1.000	11,600	56,396	0.1304	1.046	1.000	7,692	3,908	50.8%	Admin / Maintenance Mileage	
Number of Employees	99	439.92	1.148		1.000	49,998	93	405.85	1.046	1.000	39,480	10,518	26.6%	Number of Employees	
Vehicle Insured Values (in thousands)	8,272	5.0627	1.000	5,000	0.842	35,263	5,568	4.7908	1.000	0.832	22,193	13,070	58.9%	Vehicle Insured Values (in thousands)	
Property Insured Values (in thousands)	8,795	2.3019	1.000	5,000	0.989	20,023	8,235	2.5556	1.000	0.990	20,835	(812)	-3.9%	Property Insured Values (in thousands)	
Other Rating Cost Components						18,066					17,134	932	5.4%	Other Rating Cost Components	
Total Indicated Assessment:						411,032	Total Prior Assessment:					354,049	56,983	16.1%	

Year	Loss Limit (Cap) (14)	Actual Mileage From				Admin / Maintenance (18)	Number of Employees (19)	Pool Average Loss Rate From				Admin / Maintenance (23)	FTEs (24)	Benchmark Liability Losses (Capped) (25)	Actual Liability Losses (Capped) (26)	Relative Loss Experience (26)/(25) (27)	Rating Year (28)	Actual All Coverage Losses (Uncapped) (28)	Open Claims As of 6/30/22 (29)	Experience Mod. Factor (30)
		Fixed Route (15)	Paratransit / DR (16)	Vanpool (17)	Admin / Maintenance (18)			Fixed Route (20)	Paratransit / DR (21)	Vanpool (22)	Admin / Maintenance (23)									
2012	50,000	1,045,575	427,368	399,945	51,062	81	0.018	0.018	0.018	0.018	55.10	39,626	23,509	0.593	2012	47,677	N	0.992		
2013	50,000	987,027	426,454	355,232	45,873	67	0.034	0.034	0.034	0.034	41.08	65,140	615	0.009	2013	7,090	N	0.991		
2014	50,000	876,851	364,932	407,591	54,996	67	0.024	0.024	0.024	0.024	48.36	44,318	60,409	1.363	2014	63,560	N	0.994		
2015	50,000	949,078	345,906	399,878	53,832	79	0.023	0.023	0.023	0.023	48.05	44,288	59,275	1.338	2015	64,347	N	0.967		
2016	50,000	959,880	343,361	389,681	48,640	79	0.026	0.026	0.026	0.026	30.85	46,986	35,292	0.751	2016	49,809	N	0.961		
2017	50,000	1,022,777	417,864	339,065	49,415	80	0.029	0.029	0.029	0.029	62.10	58,462	24,334	0.416	2017	34,624	N	0.997		
2018	50,000	1,118,542	421,526	240,118	50,386	84	0.032	0.032	0.032	0.032	29.37	61,015	73,831	1.210	2018	115,861	Y	0.999		
2019	50,000	1,238,741	356,810	199,731	56,956	86	0.026	0.026	0.026	0.026	47.31	53,055	214,412	4.041	2019	844,669	N	0.990		
2020	50,000	931,789	304,282	121,192	59,517	82	0.019	0.019	0.019	0.019	45.18	30,067	7,086	0.236	2020	10,519	N	0.972		
2021	50,000	940,283	266,809	112,088	65,576	90	0.016	0.016	0.016	0.016	23.07	23,879	162,210	6.793	2021	415,921	Y	1.005		
Ten Years Total or Average:													466,835	660,972	1.416	2022	-	N	1.046	
Latest 3 Years Total or Average:													107,001	383,707	3.586	2023	-		1.148	

Values	Description	Explanation
3.586	(A) Latest Relative Loss Experience	Relative Loss Experience for Latest 3 Years from column (27) above.
1.046	(B) Prior Experience Modification Factor	Experience modification factor from prior rate study.
3.7%	(C) Weight given to Latest Relative Loss Experience:	Based on size - larger members are more self-rated.
96.3%	(D) Weight given to Prior Experience Modification Factor	1-(C)
1.006	(E) Off-Balance Adjustment:	An adjustment factor designed to ensure allocation of the full cost amount
1.148	(F) Experience Modification Factor:	[(A)x(C) + (B)x(D)] x (E)

- In calculating Pool average loss rates and actual member losses, individual claims are capped at \$25,000, \$50,000, \$100,000, or \$250,000 depending upon the number of miles driven each year.
- Pool average loss rates in columns (20) through (24) are from Exhibit 8-4 and are capped at the loss limit presented in column (14).
- Column (25) represents the benchmark loss level (AL+GL) capped at the loss limit shown in column (14). Column (25) is calculated as the member mileage/employees in columns (15) through (19) x their respective average pool loss experience rates in columns (20) through (24).
- Exposures in columns (15) through (19) are actual miles and number of employees. Exposure units in columns (1) and (7) are the estimated future exposures at the time of the rate study.
- The other rating cost components presented in column (6) are from Exhibit 8-5. Prior period assessment audits are conducted separately from the rate study.
- Deductible factors in column (5) adjust the base rate to account for the deductible portion of losses that are retained by the member. Member deductibles are presented in column (4). Deductible factors are calculated on Exhibit 8-3.
- Vehicle insured values in column (1) are calculated as the vehicle purchase price provided by the Pool, adjusted for depreciation and divided by 1,000.
- Property insured values in column (1) are the total insured property values provided by the Pool divided by 1,000.

Member: Intercity Transit
 Rating Year: 2023
 WSTIP: Rate Assessment Calculation

Rating Unit	2023					Indicated Assessment (1)x(2)x(3)x(4)x(5) (6)	2022					Dollar Change (6)-(11) (12)	Percentage Change (12)/(11) (13)	Rating Unit	
	Exposure Units (1)	2023 Base Rate (2)	2023 Experience Mod. Factor (3)	2023 Deductible (4)	2023 Deductible Factor (5)		2022 Exposure Units (7)	2022 Base Rate (8)	2022 Experience Mod. Factor (9)	2022 Deductible (10)	2022 Assessment (11)				
Fixed Route Mileage	2,800,000	0.1394	1.069		1.000	417,252	3,340,000	0.1304	1.105	1.000	481,267	(64,015)	-13.3%	Fixed Route Mileage	
Paratransit / Demand Response (DR) Mileage	1,065,000	0.1394	1.069		1.000	158,705	1,040,000	0.1304	1.105	1.000	149,856	8,849	5.9%	Paratransit / Demand Response (DR) Mileage	
Vanpool Mileage	1,560,000	0.1394	1.069		1.000	232,469	1,358,528	0.1304	1.105	1.000	195,753	36,716	18.8%	Vanpool Mileage	
Admin / Maintenance Mileage	215,000	0.1394	1.069		1.000	32,039	205,000	0.1304	1.105	1.000	29,539	2,500	8.5%	Admin / Maintenance Mileage	
Number of Employees	460	439.92	1.069		1.000	216,326	460	405.85	1.105	1.000	206,294	10,033	4.9%	Number of Employees	
Vehicle Insured Values (in thousands)	36,626	5.0627	1.000	5.000	0.842	156,128	33,478	4.7908	1.000	0.832	133,440	22,688	17.0%	Vehicle Insured Values (in thousands)	
Property Insured Values (in thousands)	85,993	2.3019	1.000	5.000	0.989	195,770	40,209	2.5556	1.000	0.990	101,731	94,039	92.4%	Property Insured Values (in thousands)	
Other Rating Cost Components						93,662					83,646	10,016	12.0%	Other Rating Cost Components	
Total Indicated Assessment:						1,502,351	Total Prior Assessment:					1,381,525	120,826	8.7%	

Loss Year	Loss Limit (Cap) (14)	Actual Mileage From				Admin / Maintenance (18)	Number of Employees (19)	Pool Average Loss Rate From				Admin / Maintenance (23)	FTEs (24)	Benchmark Liability Losses (Capped) (25)	Actual Liability Losses (Capped) (26)	Relative Loss Experience (26)/(25) (27)	Rating Year	Actual All Coverage Losses (Uncapped) (28)	Open Claims As of 6/30/22 (29)	Experience Mod. Factor (30)
		Fixed Route (15)	Paratransit / DR (16)	Vanpool (17)	Admin / Maintenance (18)			Fixed Route (20)	Paratransit / DR (21)	Vanpool (22)	Admin / Maintenance (23)									
2012	100,000	2,880,612	919,256	3,481,730	148,979	307	0.021	0.021	0.021	0.021	93.67	186,371	198,049	1.063	2012	297,894	N	1.073		
2013	100,000	2,934,299	926,226	3,566,866	217,865	309	0.043	0.043	0.043	0.043	63.70	347,580	184,195	0.530	2013	267,422	N	1.093		
2014	100,000	3,067,736	985,036	3,629,991	148,043	308	0.027	0.027	0.027	0.027	84.86	238,505	109,772	0.460	2014	146,911	N	1.064		
2015	100,000	3,177,485	1,043,655	3,617,992	153,985	318	0.028	0.028	0.028	0.028	67.14	241,841	256,750	1.062	2015	434,797	N	1.050		
2016	100,000	3,194,166	1,068,793	3,248,574	156,960	325	0.028	0.028	0.028	0.028	37.97	224,743	228,771	1.018	2016	274,041	N	1.037		
2017	100,000	2,842,365	963,497	2,938,498	308,948	317	0.034	0.034	0.034	0.034	96.14	271,731	469,625	1.728	2017	729,213	N	1.031		
2018	100,000	3,156,942	1,081,323	3,190,941	255,425	326	0.041	0.041	0.041	0.041	48.47	334,204	360,033	1.077	2018	468,016	N	1.014		
2019	100,000	3,513,173	1,180,952	3,130,712	300,388	400	0.033	0.033	0.033	0.033	74.69	301,909	222,306	0.736	2019	419,902	Y	1.029		
2020	50,000	1,776,187	1,196,565	1,781,641	173,539	408	0.019	0.019	0.019	0.019	45.18	110,127	36,582	0.332	2020	111,867	N	1.090		
2021	100,000	2,609,091	1,061,058	1,552,670	210,516	397	0.017	0.017	0.017	0.017	32.61	105,639	99,051	0.938	2021	135,093	Y	1.132		
Ten Years Total or Average:													2,362,651	2,165,135	0.916	2022	-	Y	1.105	
Latest 3 Years Total or Average:													517,676	357,939	0.691	2023	-		1.069	

Values	Description	Explanation
0.691	(A) Latest Relative Loss Experience	Relative Loss Experience for Latest 3 Years from column (27) above.
1.105	(B) Prior Experience Modification Factor	Experience modification factor from prior rate study.
10.2%	(C) Weight given to Latest Relative Loss Experience:	Based on size - larger members are more self-rated.
89.8%	(D) Weight given to Prior Experience Modification Factor	1-(C)
1.006	(E) Off-Balance Adjustment:	An adjustment factor designed to ensure allocation of the full cost amount
1.069	(F) Experience Modification Factor:	[(A)x(C) + (B)x(D)] x (E)

- In calculating Pool average loss rates and actual member losses, individual claims are capped at \$25,000, \$50,000, \$100,000, or \$250,000 depending upon the number of miles driven each year.
- Pool average loss rates in columns (20) through (24) are from Exhibit 8-4 and are capped at the loss limit presented in column (14).
- Column (25) represents the benchmark loss level (AL+GL) capped at the loss limit shown in column (14). Column (25) is calculated as the member mileage/employees in columns (15) through (19) x their respective average pool loss experience rates in columns (20) through (24).
- Exposures in columns (15) through (19) are actual miles and number of employees. Exposure units in columns (1) and (7) are the estimated future exposures at the time of the rate study.
- The other rating cost components presented in column (6) are from Exhibit 8-5. Prior period assessment audits are conducted separately from the rate study.
- Deductible factors in column (5) adjust the base rate to account for the deductible portion of losses that are retained by the member. Member deductibles are presented in column (4). Deductible factors are calculated on Exhibit 8-3.
- Vehicle insured values in column (1) are calculated as the vehicle purchase price provided by the Pool, adjusted for depreciation and divided by 1,000.
- Property insured values in column (1) are the total insured property values provided by the Pool divided by 1,000.

Member: Island Transit
 Rating Year: 2023
 WSTIP: Rate Assessment Calculation

Rating Unit	2023 Exposure		2023 Experience		2023 Deductible		Indicated Assessment (1)x(2)x(3)x(5) (6)	2022 Exposure		2022 Experience		2022 Deductible		2022 Assessment (7)x(8)x(9)x(10) (11)	Dollar Change (6)-(11) (12)	Percentage Change (12)/(11) (13)	Rating Unit	
	Units (1)	Base Rate (2)	Mod. Factor (3)	Deductible (4)	Factor (5)	Units (7)		Base Rate (8)	Mod. Factor (9)	Factor (10)								
Fixed Route Mileage	2,084,855	0.1394	0.769		1.000	223,494	1,438,980	0.1304	0.772	1.000	144,860	78,633	54.3%	Fixed Route Mileage				
Paratransit / Demand Response (DR) Mileage	481,938	0.1394	0.769		1.000	51,663	251,164	0.1304	0.772	1.000	25,284	26,379	104.3%	Paratransit / Demand Response (DR) Mileage				
Vanpool Mileage	366,235	0.1394	0.769		1.000	39,260	358,056	0.1304	0.772	1.000	36,045	3,215	8.9%	Vanpool Mileage				
Admin / Maintenance Mileage	82,867	0.1394	0.769		1.000	8,883	149,671	0.1304	0.772	1.000	15,067	(6,184)	-41.0%	Admin / Maintenance Mileage				
Number of Employees	148	439.92	0.769		1.000	50,068	119	405.85	0.772	1.000	37,285	12,784	34.3%	Number of Employees				
Vehicle Insured Values (in thousands)	8,015	5.0627	1.000	5.000	0.842	34,168	7,961	4.7908	1.000	0.832	31,734	2,434	7.7%	Vehicle Insured Values (in thousands)				
Property Insured Values (in thousands)	23,972	2.3019	1.000	5.000	0.989	54,574	22,362	2.5556	1.000	0.990	56,577	(2,003)	-3.5%	Property Insured Values (in thousands)				
Other Rating Cost Components						26,011					19,882	6,129	30.8%	Other Rating Cost Components				
Total Indicated Assessment:							488,121	Total Prior Assessment:							366,734	121,386	33.1%	

Year	Loss Limit (Cap) (14)	Actual Mileage From				Admin / Maintenance (18)	Number of Employees (19)	Pool Average Loss Rate From				FTEs (24)	Benchmark Liability Losses (Capped) (25)	Actual Liability Losses (Capped) (26)	Relative Loss Experience (26)/(25) (27)	Rating Year (28)	Actual All Coverage Losses (Uncapped) (28)	Open Claims As of 6/30/22 (29)	Experience Mod. Factor (30)
		Fixed Route (15)	Paratransit / DR (16)	Vanpool (17)	Admin / Maintenance (18)			Fixed Route (20)	Paratransit / DR (21)	Vanpool (22)	Admin / Maintenance (23)								
2012	50,000	1,899,641	459,279	1,231,210	287,986	135	0.018	0.018	0.018	0.018	55.10	78,317	23,339	0.298	2012	42,041	N	0.976	
2013	50,000	1,899,641	459,279	1,231,210	266,509	135	0.034	0.034	0.034	0.034	41.08	138,142	36,157	0.262	2013	63,189	N	0.964	
2014	50,000	1,246,164	840,534	1,205,972	176,835	108	0.024	0.024	0.024	0.024	48.36	88,842	116,227	1.308	2014	241,422	N	0.978	
2015	50,000	1,248,808	413,084	1,116,335	179,182	114	0.023	0.023	0.023	0.023	48.05	73,958	18,501	0.250	2015	96,120	N	0.965	
2016	50,000	1,384,213	415,665	988,811	328,320	112	0.026	0.026	0.026	0.026	30.85	83,187	54,449	0.655	2016	62,828	N	0.945	
2017	50,000	1,380,022	446,441	929,982	123,580	121	0.029	0.029	0.029	0.029	62.10	91,743	26,507	0.289	2017	32,039	N	0.957	
2018	50,000	1,477,080	455,402	856,182	127,735	129	0.032	0.032	0.032	0.032	29.37	97,064	28,098	0.289	2018	86,421	N	0.932	
2019	50,000	1,494,562	454,900	766,586	145,849	124	0.026	0.026	0.026	0.026	47.31	81,555	14,627	0.179	2019	27,015	N	0.895	
2020	50,000	1,219,161	246,971	403,851	149,671	123	0.019	0.019	0.019	0.019	45.18	43,137	79,079	1.833	2020	130,769	Y	0.860	
2021	50,000	1,447,505	289,400	341,751	83,070	117	0.016	0.016	0.016	0.016	23.07	36,735	6,739	0.183	2021	8,288	N	0.800	
Ten Years Total or Average:													812,681	403,722	0.497	2022	-	Y	0.772
Latest 3 Years Total or Average:													161,427	100,444	0.622	2023	-		0.769

Values	Description	Explanation
0.622	(A) Latest Relative Loss Experience	Relative Loss Experience for Latest 3 Years from column (27) above.
0.772	(B) Prior Experience Modification Factor	Experience modification factor from prior rate study.
5.6%	(C) Weight given to Latest Relative Loss Experience:	Based on size - larger members are more self-rated.
94.4%	(D) Weight given to Prior Experience Modification Factor	1-(C)
1.006	(E) Off-Balance Adjustment:	An adjustment factor designed to ensure allocation of the full cost amount
0.769	(F) Experience Modification Factor:	[(A)x(C) + (B)x(D)] x (E)

- In calculating Pool average loss rates and actual member losses, individual claims are capped at \$25,000, \$50,000, \$100,000, or \$250,000 depending upon the number of miles driven each year.
- Pool average loss rates in columns (20) through (24) are from Exhibit 8-4 and are capped at the loss limit presented in column (14).
- Column (25) represents the benchmark loss level (AL+GL) capped at the loss limit shown in column (14). Column (25) is calculated as the member mileage/employees in columns (15) through (19) x their respective average pool loss experience rates in columns (20) through (24).
- Exposures in columns (15) through (19) are actual miles and number of employees. Exposure units in columns (1) and (7) are the estimated future exposures at the time of the rate study.
- The other rating cost components presented in column (6) are from Exhibit 8-5. Prior period assessment audits are conducted separately from the rate study.
- Deductible factors in column (5) adjust the base rate to account for the deductible portion of losses that are retained by the member. Member deductibles are presented in column (4). Deductible factors are calculated on Exhibit 8-3.
- Vehicle insured values in column (1) are calculated as the vehicle purchase price provided by the Pool, adjusted for depreciation and divided by 1,000.
- Property insured values in column (1) are the total insured property values provided by the Pool divided by 1,000.

Member: Jefferson Transit Authority
 Rating Year: 2023
 WSTIP: Rate Assessment Calculation

Rating Unit	2023					Indicated Assessment (1)x(2)x(3)x(5) (6)	2022					Dollar Change (6)-(11) (12)	Percentage Change (12)/(11) (13)	Rating Unit	
	Exposure Units (1)	2023 Base Rate (2)	2023 Experience Mod. Factor (3)	2023 Deductible (4)	2023 Deductible Factor (5)		2022 Exposure Units (7)	2022 Base Rate (8)	2022 Experience Mod. Factor (9)	2022 Deductible (10)	2022 Assessment (7)x(8)x(9)x(10) (11)				
Fixed Route Mileage	750,000	0.1394	0.867		1.000	90,645	700,000	0.1304	0.876	1.000	79,961	10,684	13.4%	Fixed Route Mileage	
Paratransit / Demand Response (DR) Mileage	65,000	0.1394	0.867		1.000	7,856	65,000	0.1304	0.876	1.000	7,425	431	5.8%	Paratransit / Demand Response (DR) Mileage	
Vanpool Mileage	20,000	0.1394	0.867		1.000	2,417	20,000	0.1304	0.876	1.000	2,285	133	5.8%	Vanpool Mileage	
Admin / Maintenance Mileage	45,000	0.1394	0.867		1.000	5,439	45,000	0.1304	0.876	1.000	5,140	298	5.8%	Admin / Maintenance Mileage	
Number of Employees	57	439.92	0.867		1.000	21,740	54	405.85	0.876	1.000	19,198	2,542	13.2%	Number of Employees	
Vehicle Insured Values (in thousands)	4,410	5.0627	1.000	5,000	0.842	18,798	4,883	4.7908	1.000	0.832	19,462	(664)	-3.4%	Vehicle Insured Values (in thousands)	
Property Insured Values (in thousands)	10,044	2.3019	1.000	5,000	0.989	22,866	9,361	2.5556	1.000	0.990	23,684	(818)	-3.5%	Property Insured Values (in thousands)	
Other Rating Cost Components						8,907					8,316	591	7.1%	Other Rating Cost Components	
Total Indicated Assessment:						178,668	Total Prior Assessment:					165,471	13,196	8.0%	

Year	Loss Limit (Cap) (14)	Actual Mileage From					Number of Employees (19)	Pool Average Loss Rate From					Benchmark Liability Losses (Capped) (25)	Actual Liability Losses (Capped) (26)	Relative Loss Experience (26)/(25) (27)	Rating Year (28)	Actual All Coverage Losses (Uncapped) (28)	Open Claims As of 6/30/22 (29)	Experience Mod. Factor (30)
		Fixed Route (15)	Paratransit / DR (16)	Vanpool (17)	Admin / Maintenance (18)	Fixed Route (20)		Paratransit / DR (21)	Vanpool (22)	Admin / Maintenance (23)	FTEs (24)								
2012	25,000	593,897	102,375	102,237	34,035	45	0.015	0.015	0.015	0.015	32.98	13,947	5,546	0.398	2012	14,007	N	1.013	
2013	25,000	587,389	85,900	107,298	27,644	45	0.027	0.027	0.027	0.027	29.18	22,815	0	0.000	2013	0	N	1.005	
2014	25,000	580,393	74,441	89,368	34,572	46	0.020	0.020	0.020	0.020	26.03	16,670	32,071	1.924	2014	57,878	N	1.012	
2015	25,000	598,976	65,532	76,530	28,715	47	0.019	0.019	0.019	0.019	31.95	16,454	2,859	0.174	2015	10,307	N	0.999	
2016	25,000	605,145	71,610	84,112	27,994	45	0.022	0.022	0.022	0.022	21.46	18,339	6,896	0.376	2016	6,896	N	0.998	
2017	25,000	597,723	65,129	65,009	29,406	45	0.024	0.024	0.024	0.024	35.33	20,049	1,990	0.099	2017	3,053	N	1.021	
2018	25,000	648,160	65,848	45,140	24,829	52	0.025	0.025	0.025	0.025	18.18	20,483	228	0.011	2018	228	N	1.010	
2019	25,000	641,240	66,963	44,776	30,096	53	0.021	0.021	0.021	0.021	32.94	17,856	3,401	0.190	2019	3,401	N	0.978	
2020	25,000	419,528	49,605	28,232	38,130	49	0.015	0.015	0.015	0.015	28.36	9,589	4,903	0.511	2020	4,903	N	0.948	
2021	25,000	635,172	53,315	3,950	37,094	50	0.014	0.014	0.014	0.014	18.31	10,891	0	0.000	2021	453	N	0.906	
Ten Years Total or Average:												167,093	57,894	0.346	2022	-	Y	0.876	
Latest 3 Years Total or Average:												38,336	8,305	0.217	2023	-		0.867	

Values	Description	Explanation
0.217	(A) Latest Relative Loss Experience	Relative Loss Experience for Latest 3 Years from column (27) above.
0.876	(B) Prior Experience Modification Factor	Experience modification factor from prior rate study.
2.2%	(C) Weight given to Latest Relative Loss Experience:	Based on size - larger members are more self-rated.
97.8%	(D) Weight given to Prior Experience Modification Factor	1-(C)
1.006	(E) Off-Balance Adjustment:	An adjustment factor designed to ensure allocation of the full cost amount
0.867	(F) Experience Modification Factor:	[(A)x(C) + (B)x(D)] x (E)

- In calculating Pool average loss rates and actual member losses, individual claims are capped at \$25,000, \$50,000, \$100,000, or \$250,000 depending upon the number of miles driven each year.
- Pool average loss rates in columns (20) through (24) are from Exhibit 8-4 and are capped at the loss limit presented in column (14).
- Column (25) represents the benchmark loss level (AL+GL) capped at the loss limit shown in column (14). Column (25) is calculated as the member mileage/employees in columns (15) through (19) x their respective average pool loss experience rates in columns (20) through (24).
- Exposures in columns (15) through (19) are actual miles and number of employees. Exposure units in columns (1) and (7) are the estimated future exposures at the time of the rate study.
- The other rating cost components presented in column (6) are from Exhibit 8-5. Prior period assessment audits are conducted separately from the rate study.
- Deductible factors in column (5) adjust the base rate to account for the deductible portion of losses that are retained by the member. Member deductibles are presented in column (4). Deductible factors are calculated on Exhibit 8-3.
- Vehicle insured values in column (1) are calculated as the vehicle purchase price provided by the Pool, adjusted for depreciation and divided by 1,000.
- Property insured values in column (1) are the total insured property values provided by the Pool divided by 1,000.

Member: Kitsap Transit
 Rating Year: 2023
 WSTIP: Rate Assessment Calculation

Rating Unit	2023					Indicated Assessment (1)x(2)x(3)x(5) (6)	2022					Dollar Change (6)-(11) (12)	Percentage Change (12)/(11) (13)	Rating Unit	
	Exposure Units (1)	2023 Base Rate (2)	2023 Experience Mod. Factor (3)	2023 Deductible (4)	2023 Deductible Factor (5)		2022 Exposure Units (7)	2022 Base Rate (8)	2022 Experience Mod. Factor (9)	2022 Deductible (10)	2022 Assessment (7)x(8)x(9)x(10) (11)				
Fixed Route Mileage	2,625,000	0.1394	1.175		1.000	429,962	2,583,000	0.1304	1.182	1.000	398,125	31,837	8.0%	Fixed Route Mileage	
Paratransit / Demand Response (DR) Mileage	1,488,000	0.1394	1.175		1.000	243,727	1,155,000	0.1304	1.182	1.000	178,023	65,704	36.9%	Paratransit / Demand Response (DR) Mileage	
Vanpool Mileage	398,000	0.1394	1.175		1.000	65,190	434,000	0.1304	1.182	1.000	66,894	(1,703)	-2.5%	Vanpool Mileage	
Admin / Maintenance Mileage	416,000	0.1394	1.175		1.000	68,139	373,000	0.1304	1.182	1.000	57,492	10,647	18.5%	Admin / Maintenance Mileage	
Number of Employees	460	439.92	1.175		1.000	237,777	450	405.85	1.182	1.000	215,872	21,905	10.1%	Number of Employees	
Vehicle Insured Values (in thousands)	19,430	5.0627	1.000	5.000	0.842	82,828	21,135	4.7908	1.000	0.832	84,241	(1,413)	-1.7%	Vehicle Insured Values (in thousands)	
Property Insured Values (in thousands)	52,329	2.3019	1.000	5.000	0.989	119,131	50,469	2.5556	1.000	0.990	127,689	(8,558)	-6.7%	Property Insured Values (in thousands)	
Other Rating Cost Components						58,880					51,057	7,823	15.3%	Other Rating Cost Components	
Total Indicated Assessment:						1,305,634	Total Prior Assessment:					1,179,392	126,242	10.7%	

Year	Loss Limit (Cap) (14)	Actual Mileage From				Admin / Maintenance (18)	Number of Employees (19)	Pool Average Loss Rate From				Admin / Maintenance (23)	FTEs (24)	Benchmark Liability Losses (Capped) (25)	Actual Liability Losses (Capped) (26)	Relative Loss Experience (26)/(25) (27)	Rating Year (28)	Actual All Coverage Losses (Uncapped) (28)	Open Claims As of 6/30/22 (29)	Experience Mod. Factor (30)
		Fixed Route (15)	Paratransit / DR (16)	Vanpool (17)	Admin / Maintenance (18)			Fixed Route (20)	Paratransit / DR (21)	Vanpool (22)	Admin / Maintenance (23)									
2012	100,000	2,399,744	1,356,258	1,102,159	309,638	347	0.021	0.021	0.021	0.021	93.67	142,121	113,403	0.798	2012	145,669	N	0.999		
2013	100,000	2,431,056	1,356,575	961,185	365,914	347	0.043	0.043	0.043	0.043	63.70	241,470	434,664	1.800	2013	508,054	N	0.996		
2014	100,000	2,458,218	1,406,263	1,058,252	382,671	354	0.027	0.027	0.027	0.027	84.86	173,921	191,195	1.099	2014	3,260,508	N	0.987		
2015	100,000	2,522,563	1,425,366	960,552	349,427	368	0.028	0.028	0.028	0.028	67.14	169,747	218,154	1.285	2015	2,914,158	N	1.000		
2016	100,000	2,502,140	1,396,342	819,381	402,790	359	0.028	0.028	0.028	0.028	37.97	155,464	247,186	1.590	2016	1,120,405	N	1.008		
2017	100,000	2,609,023	1,368,657	879,459	356,469	382	0.034	0.034	0.034	0.034	96.14	215,054	141,233	0.657	2017	289,895	N	1.070		
2018	100,000	2,626,004	1,418,718	776,515	411,196	407	0.041	0.041	0.041	0.041	48.47	236,525	357,619	1.512	2018	754,753	Y	1.082		
2019	100,000	2,625,429	1,487,652	663,918	404,662	434	0.033	0.033	0.033	0.033	74.69	205,898	247,957	1.204	2019	790,687	Y	1.115		
2020	50,000	2,550,262	945,246	433,852	372,546	433	0.019	0.019	0.019	0.019	45.18	99,608	53,458	0.537	2020	99,549	N	1.137		
2021	50,000	2,489,984	1,100,212	363,569	370,826	440	0.016	0.016	0.016	0.016	23.07	78,242	103,994	1.329	2021	209,666	Y	1.160		
Ten Years Total or Average:												1,718,050	2,108,863	1.227	2022	-	Y	1.182		
Latest 3 Years Total or Average:												383,748	405,409	1.056	2023	-		1.175		

Values	Description	Explanation
1.056	(A) Latest Relative Loss Experience	Relative Loss Experience for Latest 3 Years from column (27) above.
1.182	(B) Prior Experience Modification Factor	Experience modification factor from prior rate study.
11.4%	(C) Weight given to Latest Relative Loss Experience:	Based on size - larger members are more self-rated.
88.6%	(D) Weight given to Prior Experience Modification Factor	1-(C)
1.006	(E) Off-Balance Adjustment:	An adjustment factor designed to ensure allocation of the full cost amount
1.175	(F) Experience Modification Factor:	[(A)x(C) + (B)x(D)] x (E)

- In calculating Pool average loss rates and actual member losses, individual claims are capped at \$25,000, \$50,000, \$100,000, or \$250,000 depending upon the number of miles driven each year.
- Pool average loss rates in columns (20) through (24) are from Exhibit 8-4 and are capped at the loss limit presented in column (14).
- Column (25) represents the benchmark loss level (AL+GL) capped at the loss limit shown in column (14). Column (25) is calculated as the member mileage/employees in columns (15) through (19) x their respective average pool loss experience rates in columns (20) through (24).
- Exposures in columns (15) through (19) are actual miles and number of employees. Exposure units in columns (1) and (7) are the estimated future exposures at the time of the rate study.
- The other rating cost components presented in column (6) are from Exhibit 8-5. Prior period assessment audits are conducted separately from the rate study.
- Deductible factors in column (5) adjust the base rate to account for the deductible portion of losses that are retained by the member. Member deductibles are presented in column (4). Deductible factors are calculated on Exhibit 8-3.
- Vehicle insured values in column (1) are calculated as the vehicle purchase price provided by the Pool, adjusted for depreciation and divided by 1,000.
- Property insured values in column (1) are the total insured property values provided by the Pool divided by 1,000.

Member: Link Transit
Rating Year: 2023
WSTIP: Rate Assessment Calculation

Rating Unit	2023					Indicated Assessment (1)x(2)x(3)x(5) (6)	2022					Dollar Change (6)-(11) (12)	Percentage Change (12)/(11) (13)	Rating Unit	
	Exposure Units (1)	2023 Base Rate (2)	2023 Experience Mod. Factor (3)	2023 Deductible (4)	2023 Deductible Factor (5)		Exposure Units (7)	2022 Base Rate (8)	2022 Experience Mod. Factor (9)	2022 Deductible Factor (10)	2022 Assessment (7)x(8)x(9)x(10) (11)				
Fixed Route Mileage	2,300,000	0.1394	1.108		1.000	355,247	2,400,000	0.1304	1.117	1.000	349,576	5,671	1.6%	Fixed Route Mileage	
Paratransit / Demand Response (DR) Mileage	450,000	0.1394	1.108		1.000	69,505	300,000	0.1304	1.117	1.000	43,697	25,808	59.1%	Paratransit / Demand Response (DR) Mileage	
Vanpool Mileage	200,000	0.1394	1.108		1.000	30,891	0	0.1304	1.117	1.000	0	30,891	0.0%	Vanpool Mileage	
Admin / Maintenance Mileage	85,000	0.1394	1.108		1.000	13,129	75,000	0.1304	1.117	1.000	10,924	2,204	20.2%	Admin / Maintenance Mileage	
Number of Employees	165	439.92	1.108		1.000	80,426	175	405.85	1.117	1.000	79,334	1,093	1.4%	Number of Employees	
Vehicle Insured Values (in thousands)	14,925	5.0627	1.000	5.000	0.842	63,623	15,498	4.7908	1.000	0.832	61,775	1,848	3.0%	Vehicle Insured Values (in thousands)	
Property Insured Values (in thousands)	23,744	2.3019	1.000	5.000	0.989	54,055	19,816	2.5556	1.000	0.990	50,135	3,920	7.8%	Property Insured Values (in thousands)	
Other Rating Cost Components						26,241					23,690	2,551	10.8%	Other Rating Cost Components	
Total Indicated Assessment:						693,117	Total Prior Assessment:					619,132	73,985	11.9%	

Loss Year	Loss Limit (Cap) (14)	Actual Mileage From				Admin / Maintenance (18)	Number of Employees (19)	Pool Average Loss Rate From				Admin / Maintenance (23)	FTEs (24)	Benchmark Liability Losses (Capped) (25)	Actual Liability Losses (Capped) (26)	Relative Loss Experience (26)/(25) (27)	Rating Year (28)	Actual All Coverage Losses (Uncapped) (28)	Open Claims As of 6/30/22 (29)	Experience Mod. Factor (30)
		Fixed Route (15)	Paratransit / DR (16)	Vanpool (17)	Admin / Maintenance (18)			Fixed Route (20)	Paratransit / DR (21)	Vanpool (22)	Admin / Maintenance (23)									
2012	50,000	1,633,947	365,359	0	74,223	119	0.018	0.018	0.018	0.018	55.10	44,454	76,595	1.723	2012	448,054	N	0.992		
2013	50,000	1,666,097	249,215	0	84,791	119	0.034	0.034	0.034	0.034	41.08	73,654	187,067	2.540	2013	261,598	N	1.000		
2014	50,000	1,633,387	270,487	0	76,369	113	0.024	0.024	0.024	0.024	48.36	53,191	41,394	0.778	2014	76,237	N	1.046		
2015	50,000	1,748,233	266,897	0	85,171	113	0.023	0.023	0.023	0.023	48.05	54,063	100,367	1.856	2015	120,073	N	1.116		
2016	50,000	1,811,085	259,872	0	85,473	124	0.026	0.026	0.026	0.026	30.85	58,986	16,219	0.275	2016	35,560	N	1.146		
2017	50,000	1,808,231	240,858	0	78,288	132	0.029	0.029	0.029	0.029	62.10	70,415	93,826	1.332	2017	162,287	N	1.252		
2018	50,000	1,889,336	207,050	0	115,074	135	0.032	0.032	0.032	0.032	29.37	74,694	63,576	0.851	2018	197,843	Y	1.240		
2019	50,000	2,016,187	265,130	0	86,679	153	0.026	0.026	0.026	0.026	47.31	69,865	34,248	0.490	2019	92,312	N	1.226		
2020	50,000	1,969,558	196,625	0	95,508	165	0.019	0.019	0.019	0.019	45.18	49,538	36,898	0.745	2020	41,918	N	1.192		
2021	50,000	2,178,158	297,109	0	70,577	158	0.016	0.016	0.016	0.016	23.07	43,729	63,324	1.448	2021	87,751	Y	1.160		
Ten Years Total or Average:													592,590	713,513	1.204	2022	-	Y	1.117	
Latest 3 Years Total or Average:													163,132	134,469	0.824	2023	-		1.108	

Values	Description	Explanation
0.824	(A) Latest Relative Loss Experience	Relative Loss Experience for Latest 3 Years from column (27) above.
1.117	(B) Prior Experience Modification Factor	Experience modification factor from prior rate study.
5.5%	(C) Weight given to Latest Relative Loss Experience:	Based on size - larger members are more self-rated.
94.5%	(D) Weight given to Prior Experience Modification Factor	1-(C)
1.006	(E) Off-Balance Adjustment:	An adjustment factor designed to ensure allocation of the full cost amount
1.108	(F) Experience Modification Factor:	[(A)x(C) + (B)x(D)] x (E)

- In calculating Pool average loss rates and actual member losses, individual claims are capped at \$25,000, \$50,000, \$100,000, or \$250,000 depending upon the number of miles driven each year.
- Pool average loss rates in columns (20) through (24) are from Exhibit 8-4 and are capped at the loss limit presented in column (14).
- Column (25) represents the benchmark loss level (AL+GL) capped at the loss limit shown in column (14). Column (25) is calculated as the member mileage/employees in columns (15) through (19) x their respective average pool loss experience rates in columns (20) through (24).
- Exposures in columns (15) through (19) are actual miles and number of employees. Exposure units in columns (1) and (7) are the estimated future exposures at the time of the rate study.
- The other rating cost components presented in column (6) are from Exhibit 8-5. Prior period assessment audits are conducted separately from the rate study.
- Deductible factors in column (5) adjust the base rate to account for the deductible portion of losses that are retained by the member. Member deductibles are presented in column (4). Deductible factors are calculated on Exhibit 8-3.
- Vehicle insured values in column (1) are calculated as the vehicle purchase price provided by the Pool, adjusted for depreciation and divided by 1,000.
- Property insured values in column (1) are the total insured property values provided by the Pool divided by 1,000.

Member: Mason Transit Authority
 Rating Year: 2023
 WSTIP: Rate Assessment Calculation

Rating Unit	2023					Indicated Assessment (1)x(2)x(3)x(5)	2022					Dollar Change (6)-(11)	Percentage Change (12)/(11)	Rating Unit	
	Exposure Units (1)	2023 Base Rate (2)	2023 Experience Mod. Factor (3)	2023 Deductible (4)	2023 Deductible Factor (5)		2022 Exposure Units (7)	2022 Base Rate (8)	2022 Experience Mod. Factor (9)	2022 Deductible (10)	2022 Assessment (7)x(8)x(9)x(10) (11)				
Fixed Route Mileage	520,000	0.1394	1.052		1.000	76,257	520,000	0.1304	1.066	1.000	72,283	3,974	5.5%	Fixed Route Mileage	
Paratransit / Demand Response (DR) Mileage	350,000	0.1394	1.052		1.000	51,327	235,000	0.1304	1.066	1.000	32,667	18,661	57.1%	Paratransit / Demand Response (DR) Mileage	
Vanpool Mileage	0	0.1394	1.052		1.000	0	0	0.1304	1.066	1.000	0	0	0.0%	Vanpool Mileage	
Admin / Maintenance Mileage	37,000	0.1394	1.052		1.000	5,426	30,000	0.1304	1.066	1.000	4,170	1,256	30.1%	Admin / Maintenance Mileage	
Number of Employees	73	439.92	1.052		1.000	33,784	73	405.85	1.066	1.000	31,582	2,202	7.0%	Number of Employees	
Vehicle Insured Values (in thousands)	5,955	5.0627	1.000	5,000	0.842	25,386	5,507	4.7908	1.000	0.832	21,950	3,437	15.7%	Vehicle Insured Values (in thousands)	
Property Insured Values (in thousands)	21,496	2.3019	1.000	5,000	0.989	48,937	19,610	2.5556	1.000	0.990	49,614	(677)	-1.4%	Property Insured Values (in thousands)	
Other Rating Cost Components						10,137					8,876	1,261	14.2%	Other Rating Cost Components	
Total Indicated Assessment:						251,255	Total Prior Assessment:					221,142	30,113	13.6%	

Year	Loss Limit (Cap) (14)	Actual Mileage From				Admin / Maintenance (18)	Number of Employees (19)	Pool Average Loss Rate From				Admin / Maintenance (23)	FTEs (24)	Benchmark Liability Losses (Capped) (25)	Actual Liability Losses (Capped) (26)	Relative Loss Experience (26)/(25) (27)	Rating Year (28)	Actual All Coverage Losses (Uncapped) (28)	Open Claims As of 6/30/22 (29)	Experience Mod. Factor (30)
		Fixed Route (15)	Paratransit / DR (16)	Vanpool (17)	Admin / Maintenance (18)			Fixed Route (20)	Paratransit / DR (21)	Vanpool (22)	Admin / Maintenance (23)									
2012	50,000	604,013	321,953	292,889	0	78	0.018	0.018	0.018	0.018	55.10	26,574	85,487	3.217	2012	169,318	N	1.020		
2013	50,000	639,890	315,347	280,854	20,803	81	0.034	0.034	0.034	0.034	41.08	46,541	17,173	0.369	2013	31,758	N	1.035		
2014	50,000	656,129	349,605	293,437	0	80	0.024	0.024	0.024	0.024	48.36	35,181	3,502	0.100	2014	16,073	N	1.049		
2015	50,000	711,884	364,373	217,701	36,844	85	0.023	0.023	0.023	0.023	48.05	34,900	55,358	1.586	2015	135,825	N	1.076		
2016	50,000	774,607	382,233	195,298	32,470	87	0.026	0.026	0.026	0.026	30.85	38,102	40,329	1.058	2016	46,145	N	1.083		
2017	50,000	749,230	323,818	323,993	24,167	79	0.029	0.029	0.029	0.029	62.10	46,471	1,543	0.033	2017	15,307	N	1.116		
2018	50,000	710,500	304,356	128,908	33,959	74	0.032	0.032	0.032	0.032	29.37	39,841	140,394	3.524	2018	308,463	Y	1.104		
2019	50,000	710,434	301,769	112,665	3,418	80	0.026	0.026	0.026	0.026	47.31	33,625	10,346	0.308	2019	15,247	N	1.087		
2020	25,000	448,805	221,181	63,678	91,202	67	0.015	0.015	0.015	0.015	28.36	14,531	18,691	1.286	2020	19,277	N	1.076		
2021	25,000	495,115	291,896	22,536	70,231	67	0.014	0.014	0.014	0.014	18.31	13,257	0	0.000	2021	0	N	1.033		
Ten Years Total or Average:													329,021	372,823	1.133	2022	-	N	1.066	
Latest 3 Years Total or Average:													61,413	29,037	0.473	2023	-		1.052	

Values	Description	Explanation
0.473	(A) Latest Relative Loss Experience	Relative Loss Experience for Latest 3 Years from column (27) above.
1.066	(B) Prior Experience Modification Factor	Experience modification factor from prior rate study.
3.5%	(C) Weight given to Latest Relative Loss Experience:	Based on size - larger members are more self-rated.
96.5%	(D) Weight given to Prior Experience Modification Factor	1-(C)
1.006	(E) Off-Balance Adjustment:	An adjustment factor designed to ensure allocation of the full cost amount
1.052	(F) Experience Modification Factor:	[(A)x(C) + (B)x(D)] x (E)

- In calculating Pool average loss rates and actual member losses, individual claims are capped at \$25,000, \$50,000, \$100,000, or \$250,000 depending upon the number of miles driven each year.
- Pool average loss rates in columns (20) through (24) are from Exhibit 8-4 and are capped at the loss limit presented in column (14).
- Column (25) represents the benchmark loss level (AL+GL) capped at the loss limit shown in column (14). Column (25) is calculated as the member mileage/employees in columns (15) through (19) x their respective average pool loss experience rates in columns (20) through (24).
- Exposures in columns (15) through (19) are actual miles and number of employees. Exposure units in columns (1) and (7) are the estimated future exposures at the time of the rate study.
- The other rating cost components presented in column (6) are from Exhibit 8-5. Prior period assessment audits are conducted separately from the rate study.
- Deductible factors in column (5) adjust the base rate to account for the deductible portion of losses that are retained by the member. Member deductibles are presented in column (4). Deductible factors are calculated on Exhibit 8-3.
- Vehicle insured values in column (1) are calculated as the vehicle purchase price provided by the Pool, adjusted for depreciation and divided by 1,000.
- Property insured values in column (1) are the total insured property values provided by the Pool divided by 1,000.

Member: Pacific Transit System
Rating Year: 2023
WSTIP: Rate Assessment Calculation

Rating Unit	2023					Indicated Assessment (1)x(2)x(3)x(5) (6)	2022					Dollar Change (6)-(11) (12)	Percentage Change (12)/(11) (13)	Rating Unit	
	Exposure Units (1)	2023 Base Rate (2)	2023 Experience Mod. Factor (3)	2023 Deductible (4)	2023 Deductible Factor (5)		Exposure Units (7)	2022 Base Rate (8)	2022 Experience Mod. Factor (9)	2022 Deductible Factor (10)	2022 Assessment (7)x(8)x(9)x(10) (11)				
Fixed Route Mileage	350,000	0.1394	0.937		1.000	45,716	320,000	0.1304	0.928	1.000	38,724	6,993	18.1%	Fixed Route Mileage	
Paratransit / Demand Response (DR) Mileage	125,000	0.1394	0.937		1.000	16,327	102,000	0.1304	0.928	1.000	12,343	3,984	32.3%	Paratransit / Demand Response (DR) Mileage	
Vanpool Mileage	0	0.1394	0.937		1.000	0	0	0.1304	0.928	1.000	0	0	0.0%	Vanpool Mileage	
Admin / Maintenance Mileage	30,000	0.1394	0.937		1.000	3,919	35,000	0.1304	0.928	1.000	4,235	(317)	-7.5%	Admin / Maintenance Mileage	
Number of Employees	23	439.92	0.937		1.000	9,481	23	405.85	0.928	1.000	8,662	818	9.4%	Number of Employees	
Vehicle Insured Values (in thousands)	1,533	5.0627	1.000	5,000	0.842	6,537	1,775	4.7908	1.000	0.832	7,076	(539)	-7.6%	Vehicle Insured Values (in thousands)	
Property Insured Values (in thousands)	3,704	2.3019	1.000	5,000	0.989	8,432	3,462	2.5556	1.000	0.990	8,759	(327)	-3.7%	Property Insured Values (in thousands)	
Other Rating Cost Components						4,340					7,044	(2,704)	-38.4%	Other Rating Cost Components	
Total Indicated Assessment:						94,752	Total Prior Assessment:					86,844	7,908	9.1%	

Year	Loss Limit (Cap) (14)	Actual Mileage From				Admin / Maintenance (18)	Number of Employees (19)	Pool Average Loss Rate From				Admin / Maintenance (23)	FTEs (24)	Benchmark Liability Losses (Capped) (25)	Actual Liability Losses (Capped) (26)	Relative Loss Experience (26)/(25) (27)	Rating Year (28)	Actual All Coverage Losses (Uncapped) (28)	Open Claims As of 6/30/22 (29)	Experience Mod. Factor (30)
		Fixed Route (15)	Paratransit / DR (16)	Vanpool (17)				Fixed Route (20)	Paratransit / DR (21)	Vanpool (22)										
2012	25,000	331,651	96,198	0	19,000	25	0.015	0.015	0.015	0.015	32.98	7,513	445	0.059	2012	445	N	0.987		
2013	25,000	332,451	100,071	0	18,041	25	0.027	0.027	0.027	0.027	29.18	12,716	28,446	2.237	2013	59,271	N	0.976		
2014	25,000	336,598	98,126	0	0	23	0.020	0.020	0.020	0.020	26.03	9,236	626	0.068	2014	626	N	0.978		
2015	25,000	332,735	92,695	0	28,303	22	0.019	0.019	0.019	0.019	31.95	9,517	6,824	0.717	2015	6,824	N	0.971		
2016	25,000	333,837	101,392	0	30,537	20	0.022	0.022	0.022	0.022	21.46	10,687	400	0.037	2016	400	N	0.985		
2017	25,000	319,532	93,184	0	37,442	22	0.024	0.024	0.024	0.024	35.33	11,750	0	0.000	2017	0	N	1.020		
2018	25,000	330,000	100,000	0	34,000	22	0.025	0.025	0.025	0.025	18.18	11,963	0	0.000	2018	8,831	N	1.001		
2019	25,000	336,960	99,081	0	34,067	22	0.021	0.021	0.021	0.021	32.94	10,396	25,000	2.405	2019	36,580	N	0.980		
2020	25,000	254,720	82,621	0	25,691	20	0.015	0.015	0.015	0.015	28.36	6,126	0	0.000	2020	2,241	N	0.958		
2021	25,000	255,122	70,619	0	14,702	19	0.014	0.014	0.014	0.014	18.31	5,003	0	0.000	2021	0	N	0.939		
Ten Years Total or Average:													94,908	61,742	0.651	2022	-	N	0.928	
Latest 3 Years Total or Average:													21,525	25,000	1.161	2023	-		0.937	

Values	Description	Explanation
1.161	(A) Latest Relative Loss Experience	Relative Loss Experience for Latest 3 Years from column (27) above.
0.928	(B) Prior Experience Modification Factor	Experience modification factor from prior rate study.
1.3%	(C) Weight given to Latest Relative Loss Experience:	Based on size - larger members are more self-rated.
98.7%	(D) Weight given to Prior Experience Modification Factor	1-(C)
1.006	(E) Off-Balance Adjustment:	An adjustment factor designed to ensure allocation of the full cost amount
0.937	(F) Experience Modification Factor:	[(A)x(C) + (B)x(D)] x (E)

- In calculating Pool average loss rates and actual member losses, individual claims are capped at \$25,000, \$50,000, \$100,000, or \$250,000 depending upon the number of miles driven each year.
- Pool average loss rates in columns (20) through (24) are from Exhibit 8-4 and are capped at the loss limit presented in column (14).
- Column (25) represents the benchmark loss level (AL+GL) capped at the loss limit shown in column (14). Column (25) is calculated as the member mileage/employees in columns (15) through (19) x their respective average pool loss experience rates in columns (20) through (24).
- Exposures in columns (15) through (19) are actual miles and number of employees. Exposure units in columns (1) and (7) are the estimated future exposures at the time of the rate study.
- The other rating cost components presented in column (6) are from Exhibit 8-5. Prior period assessment audits are conducted separately from the rate study.
- Deductible factors in column (5) adjust the base rate to account for the deductible portion of losses that are retained by the member. Member deductibles are presented in column (4). Deductible factors are calculated on Exhibit 8-3.
- Vehicle insured values in column (1) are calculated as the vehicle purchase price provided by the Pool, adjusted for depreciation and divided by 1,000.
- Property insured values in column (1) are the total insured property values provided by the Pool divided by 1,000.

Member: Pierce Transit
Rating Year: 2023
WSTIP: Rate Assessment Calculation

Rating Unit	2023					Indicated Assessment (1)x(2)x(3)x(5) (6)	2022					Dollar Change (6)-(11) (12)	Percentage Change (12)/(11) (13)	Rating Unit	
	Exposure Units (1)	2023 Base Rate (2)	2023 Experience Mod. Factor (3)	2023 Deductible (4)	2023 Deductible Factor (5)		2022 Exposure Units (7)	2022 Base Rate (8)	2022 Experience Mod. Factor (9)	2022 Deductible (10)	2022 Assessment (7)x(8)x(9)x(10) (11)				
Fixed Route Mileage	10,696,433	0.1394	1.233		1.000	1,838,505	13,482,194	0.1304	1.219	1.000	2,143,097	(304,592)	-14.2%	Fixed Route Mileage	
Paratransit / Demand Response (DR) Mileage	280,000	0.1394	1.233		1.000	48,126	411,264	0.1304	1.219	1.000	65,374	(17,247)	-26.4%	Paratransit / Demand Response (DR) Mileage	
Vanpool Mileage	3,000,000	0.1394	1.233		1.000	515,641	3,000,000	0.1304	1.219	1.000	476,873	38,768	8.1%	Vanpool Mileage	
Admin / Maintenance Mileage	950,000	0.1394	1.233		1.000	163,286	980,000	0.1304	1.219	1.000	155,778	7,508	4.8%	Admin / Maintenance Mileage	
Number of Employees	986	439.92	1.233		1.000	534,827	875	405.85	1.219	1.000	432,890	101,938	23.5%	Number of Employees	
Vehicle Insured Values (in thousands)	92,066	5.0627	1.000	25,000	0.714	332,798	81,321	4.7908	1.000	0.696	271,155	61,643	22.7%	Vehicle Insured Values (in thousands)	
Property Insured Values (in thousands)	155,293	2.3019	1.000	25,000	0.975	348,532	132,574	2.5556	1.000	0.977	331,014	17,519	5.3%	Property Insured Values (in thousands)	
Other Rating Cost Components						100,405					103,705	(3,300)	-3.2%	Other Rating Cost Components	
Total Indicated Assessment:						3,882,121	Total Prior Assessment:					3,979,885	(97,765)	-2.5%	

Year	Loss Limit (Cap) (14)	Actual Mileage From				Admin / Maintenance (18)	Number of Employees (19)	Pool Average Loss Rate From				Admin / Maintenance (23)	FTEs (24)	Benchmark Liability Losses (Capped) (25)	Actual Liability Losses (Capped) (26)	Relative Loss Experience (26)/(25) (27)	Rating Year (28)	Actual All Coverage Losses (Uncapped) (28)	Open Claims As of 6/30/22 (29)	Experience Mod. Factor (30)
		Fixed Route (15)	Paratransit / DR (16)	Vanpool (17)	Admin / Maintenance (18)			Fixed Route (20)	Paratransit / DR (21)	Vanpool (22)	Admin / Maintenance (23)									
2012	250,000	12,034,407	665,644	4,718,159	1,148,715	866	0.026	0.026	0.026	0.026	129.85	586,236	488,289	0.833	2012	863,973	N	1.094		
2013	250,000	12,450,653	704,709	4,869,229	1,149,665	728	0.052	0.052	0.052	0.052	91.01	1,054,536	1,395,714	1.324	2013	1,511,841	N	1.058		
2014	250,000	13,333,664	706,476	4,708,917	1,256,790	768	0.032	0.032	0.032	0.032	104.72	721,081	1,094,545	1.518	2014	3,614,043	N	1.017		
2015	250,000	13,071,049	688,348	4,580,152	1,241,870	786	0.034	0.034	0.034	0.034	67.60	721,495	1,412,212	1.957	2015	2,739,374	N	0.869		
2016	250,000	14,046,220	741,186	4,559,599	1,248,407	981	0.031	0.031	0.031	0.031	37.97	672,288	878,942	1.307	2016	1,183,384	N	0.818		
2017	250,000	14,072,850	705,637	4,859,789	1,365,506	981	0.040	0.040	0.040	0.040	146.97	975,186	1,360,294	1.395	2017	1,773,313	N	0.810		
2018	250,000	14,193,156	654,882	4,818,680	1,408,788	942	0.055	0.055	0.055	0.055	105.76	1,263,880	1,377,547	1.090	2018	2,346,158	Y	0.921		
2019	250,000	14,328,427	584,555	4,613,023	1,296,358	951	0.047	0.047	0.047	0.047	123.05	1,089,543	1,859,160	1.706	2019	3,897,412	Y	1.067		
2020	250,000	12,808,531	256,542	3,159,199	1,009,646	792	0.024	0.024	0.024	0.024	141.05	518,660	466,682	0.900	2020	678,735	Y	1.120		
2021	250,000	12,603,275	226,113	2,620,046	972,824	856	0.019	0.019	0.019	0.019	61.20	364,454	121,074	0.332	2021	526,049	Y	1.176		
Ten Years Total or Average:												7,967,360	10,454,458	1.312	2022	-	Y	1.219		
Latest 3 Years Total or Average:												1,972,657	2,446,916	1.240	2023	-		1.233		

Values	Description	Explanation
1.240	(A) Latest Relative Loss Experience	Relative Loss Experience for Latest 3 Years from column (27) above.
1.219	(B) Prior Experience Modification Factor	Experience modification factor from prior rate study.
29.7%	(C) Weight given to Latest Relative Loss Experience:	Based on size - larger members are more self-rated.
70.3%	(D) Weight given to Prior Experience Modification Factor	1-(C)
1.006	(E) Off-Balance Adjustment:	An adjustment factor designed to ensure allocation of the full cost amount
1.233	(F) Experience Modification Factor:	[(A)x(C) + (B)x(D)] x (E)

- In calculating Pool average loss rates and actual member losses, individual claims are capped at \$25,000, \$50,000, \$100,000, or \$250,000 depending upon the number of miles driven each year.
- Pool average loss rates in columns (20) through (24) are from Exhibit 8-4 and are capped at the loss limit presented in column (14).
- Column (25) represents the benchmark loss level (AL+GL) capped at the loss limit shown in column (14). Column (25) is calculated as the member mileage/employees in columns (15) through (19) x their respective average pool loss experience rates in columns (20) through (24).
- Exposures in columns (15) through (19) are actual miles and number of employees. Exposure units in columns (1) and (7) are the estimated future exposures at the time of the rate study.
- The other rating cost components presented in column (6) are from Exhibit 8-5. Prior period assessment audits are conducted separately from the rate study.
- Deductible factors in column (5) adjust the base rate to account for the deductible portion of losses that are retained by the member. Member deductibles are presented in column (4). Deductible factors are calculated on Exhibit 8-3.
- Vehicle insured values in column (1) are calculated as the vehicle purchase price provided by the Pool, adjusted for depreciation and divided by 1,000.
- Property insured values in column (1) are the total insured property values provided by the Pool divided by 1,000.

Member: Pullman Transit
 Rating Year: 2023
 WSTIP: Rate Assessment Calculation

Rating Unit	2023					Indicated Assessment (1)x(2)x(3)x(5) (6)	2022					Dollar Change (6)-(11) (12)	Percentage Change (12)/(11) (13)	Rating Unit	
	Exposure Units (1)	2023 Base Rate (2)	2023 Experience Mod. Factor (3)	2023 Deductible (4)	2023 Deductible Factor (5)		2022 Exposure Units (7)	2022 Base Rate (8)	2022 Experience Mod. Factor (9)	2022 Deductible (10)	2022 Assessment (7)x(8)x(9)x(10) (11)				
Fixed Route Mileage	405,000	0.1394	1.073		1.000	60,578	400,000	0.1304	1.077	1.000	56,176	4,402	7.8%	Fixed Route Mileage	
Paratransit / Demand Response (DR) Mileage	79,000	0.1394	1.073		1.000	11,817	75,000	0.1304	1.077	1.000	10,533	1,283	12.2%	Paratransit / Demand Response (DR) Mileage	
Vanpool Mileage	0	0.1394	1.073		1.000	0	0	0.1304	1.077	1.000	0	0	0.0%	Vanpool Mileage	
Admin / Maintenance Mileage	25,000	0.1394	1.073		1.000	3,739	5,000	0.1304	1.077	1.000	702	3,037	432.5%	Admin / Maintenance Mileage	
Number of Employees	45	439.92	1.073		1.000	21,242	40	405.85	1.077	1.000	17,484	3,758	21.5%	Number of Employees	
Vehicle Insured Values (in thousands)	0	5.0627	1.000	0	1.000	0	0	4.7908	1.000	1.000	0	0	0.0%	Vehicle Insured Values (in thousands)	
Property Insured Values (in thousands)	0	2.3019	1.000	0	1.000	0	0	2.5556	1.000	1.000	0	0	0.0%	Property Insured Values (in thousands)	
Other Rating Cost Components						4,901					4,645	256	5.5%	Other Rating Cost Components	
Total Indicated Assessment:						102,277	Total Prior Assessment:					89,541	12,736	14.2%	

Year	Loss Limit (Cap) (14)	Actual Mileage From				Admin / Maintenance (18)	Number of Employees (19)	Pool Average Loss Rate From				Admin / Maintenance (23)	FTEs (24)	Benchmark Liability Losses (Capped) (25)	Actual Liability Losses (Capped) (26)	Relative Loss Experience (26)/(25) (27)	Rating Year (28)	Actual All Coverage Losses (Uncapped) (28)	Open Claims As of 6/30/22 (29)	Experience Mod. Factor (30)
		Fixed Route (15)	Paratransit / DR (16)	Vanpool (17)				Fixed Route (20)	Paratransit / DR (21)	Vanpool (22)										
2012	25,000	326,108	65,898	0	0	46	0.015	0.015	0.015	0.015	32.98	7,385	3,940	0.533	2012	3,940	N	1.046		
2013	25,000	350,893	66,883	0	26,525	46	0.027	0.027	0.027	0.027	29.18	13,162	3,122	0.237	2013	3,122	N	1.104		
2014	25,000	344,790	75,382	0	0	43	0.020	0.020	0.020	0.020	26.03	9,467	31,155	3.291	2014	36,779	N	1.085		
2015	25,000	352,403	72,001	0	25,955	46	0.019	0.019	0.019	0.019	31.95	10,218	4,534	0.444	2015	4,534	N	1.098		
2016	25,000	363,517	59,311	0	23,757	44	0.022	0.022	0.022	0.022	21.46	10,779	30,271	2.808	2016	35,609	N	1.102		
2017	25,000	354,149	64,846	0	24,483	45	0.024	0.024	0.024	0.024	35.33	12,400	10,242	0.826	2017	10,242	N	1.137		
2018	25,000	382,063	76,204	0	30,286	47	0.025	0.025	0.025	0.025	18.18	13,030	1,578	0.121	2018	1,578	N	1.141		
2019	25,000	419,154	63,213	0	25,605	44	0.021	0.021	0.021	0.021	32.94	11,900	209	0.018	2019	209	N	1.137		
2020	25,000	342,353	57,041	0	20,009	39	0.015	0.015	0.015	0.015	28.36	7,528	9,452	1.256	2020	9,452	N	1.136		
2021	25,000	399,506	54,026	0	20,479	42	0.014	0.014	0.014	0.014	18.31	7,251	958	0.132	2021	958	N	1.103		
Ten Years Total or Average:													103,121	95,460	0.926	2022	-	N	1.077	
Latest 3 Years Total or Average:													26,678	10,619	0.398	2023	-	-	1.073	

Values	Description	Explanation
0.398	(A) Latest Relative Loss Experience	Relative Loss Experience for Latest 3 Years from column (27) above.
1.077	(B) Prior Experience Modification Factor	Experience modification factor from prior rate study.
1.5%	(C) Weight given to Latest Relative Loss Experience:	Based on size - larger members are more self-rated.
98.5%	(D) Weight given to Prior Experience Modification Factor	1-(C)
1.006	(E) Off-Balance Adjustment:	An adjustment factor designed to ensure allocation of the full cost amount
1.073	(F) Experience Modification Factor:	[(A)x(C) + (B)x(D)] x (E)

- In calculating Pool average loss rates and actual member losses, individual claims are capped at \$25,000, \$50,000, \$100,000, or \$250,000 depending upon the number of miles driven each year.
- Pool average loss rates in columns (20) through (24) are from Exhibit 8-4 and are capped at the loss limit presented in column (14).
- Column (25) represents the benchmark loss level (AL+GL) capped at the loss limit shown in column (14). Column (25) is calculated as the member mileage/employees in columns (15) through (19) x their respective average pool loss experience rates in columns (20) through (24).
- Exposures in columns (15) through (19) are actual miles and number of employees. Exposure units in columns (1) and (7) are the estimated future exposures at the time of the rate study.
- The other rating cost components presented in column (6) are from Exhibit 8-5. Prior period assessment audits are conducted separately from the rate study.
- Deductible factors in column (5) adjust the base rate to account for the deductible portion of losses that are retained by the member. Member deductibles are presented in column (4). Deductible factors are calculated on Exhibit 8-3.
- Vehicle insured values in column (1) are calculated as the vehicle purchase price provided by the Pool, adjusted for depreciation and divided by 1,000.
- Property insured values in column (1) are the total insured property values provided by the Pool divided by 1,000.

Member: RiverCities Transit
 Rating Year: 2023
 WSTIP: Rate Assessment Calculation

Rating Unit	2023					Indicated Assessment (1)x(2)x(3)x(5) (6)	2022					Dollar Change (6)-(11) (12)	Percentage Change (12)/(11) (13)	Rating Unit	
	Exposure Units (1)	2023 Base Rate (2)	2023 Experience Mod. Factor (3)	2023 Deductible (4)	2023 Deductible Factor (5)		Exposure Units (7)	2022 Base Rate (8)	2022 Experience Mod. Factor (9)	2022 Deductible Factor (10)	2022 Assessment (7)x(8)x(9)x(10) (11)				
Fixed Route Mileage	420,000	0.1394	1.003		1.000	58,724	366,000	0.1304	0.989	1.000	47,201	11,522	24.4%	Fixed Route Mileage	
Paratransit / Demand Response (DR) Mileage	180,000	0.1394	1.003		1.000	25,167	230,000	0.1304	0.989	1.000	29,662	(4,495)	-15.2%	Paratransit / Demand Response (DR) Mileage	
Vanpool Mileage	0	0.1394	1.003		1.000	0	0	0.1304	0.989	1.000	0	0	0.0%	Vanpool Mileage	
Admin / Maintenance Mileage	30,000	0.1394	1.003		1.000	4,195	30,000	0.1304	0.989	1.000	3,869	326	8.4%	Admin / Maintenance Mileage	
Number of Employees	35	439.92	1.003		1.000	15,443	35	405.85	0.989	1.000	14,048	1,395	9.9%	Number of Employees	
Vehicle Insured Values (in thousands)	2,667	5.0627	1.000	5,000	0.842	11,368	3,096	4.7908	1.000	0.832	12,342	(974)	-7.9%	Vehicle Insured Values (in thousands)	
Property Insured Values (in thousands)	4,767	2.3019	1.000	5,000	0.989	10,852	4,428	2.5556	1.000	0.990	11,203	(351)	-3.1%	Property Insured Values (in thousands)	
Other Rating Cost Components						7,613					7,796	(183)	-2.3%	Other Rating Cost Components	
Total Indicated Assessment:						133,362	Total Prior Assessment:					126,122	7,240	5.7%	

Year	Loss Limit (Cap) (14)	Actual Mileage From				Admin / Maintenance (18)	Number of Employees (19)	Pool Average Loss Rate From				Admin / Maintenance (23)	FTEs (24)	Benchmark Liability Losses (Capped) (25)	Actual Liability Losses (Capped) (26)	Relative Loss Experience (26)/(25) (27)	Rating Year (28)	Actual All Coverage Losses (Uncapped) (28)	Open Claims As of 6/30/22 (29)	Experience Mod. Factor (30)
		Fixed Route (15)	Paratransit / DR (16)	Vanpool (17)				Fixed Route (20)	Paratransit / DR (21)	Vanpool (22)										
2012	25,000	227,023	193,549	0	14,539	24	0.015	0.015	0.015	0.015	32.98	7,305	248	0.034	2012	4,818	N	0.998		
2013	25,000	289,224	194,702	0	20,440	30	0.027	0.027	0.027	0.027	29.18	14,294	7,265	0.508	2013	7,402	N	0.997		
2014	25,000	369,750	211,693	0	28,660	30	0.020	0.020	0.020	0.020	26.03	12,903	7,207	0.559	2014	9,680	N	0.995		
2015	25,000	375,306	217,143	2,000	31,470	33	0.019	0.019	0.019	0.019	31.95	13,213	8,771	0.664	2015	10,760	N	0.989		
2016	25,000	379,721	200,709	6,592	25,478	29	0.022	0.022	0.022	0.022	21.46	14,111	10,744	0.761	2016	22,462	N	0.982		
2017	25,000	361,251	215,097	0	28,605	23	0.024	0.024	0.024	0.024	35.33	15,559	11,426	0.734	2017	21,524	N	1.005		
2018	25,000	337,714	224,543	0	27,953	25	0.025	0.025	0.025	0.025	18.18	15,163	45,136	2.977	2018	48,361	N	0.992		
2019	25,000	313,720	236,721	0	26,378	28	0.021	0.021	0.021	0.021	32.94	12,789	6,532	0.511	2019	19,363	N	0.979		
2020	25,000	280,807	126,275	0	28,198	32	0.015	0.015	0.015	0.015	28.36	7,573	1,626	0.215	2020	7,627	N	0.992		
2021	25,000	316,712	129,961	0	29,222	31	0.014	0.014	0.014	0.014	18.31	7,075	31,524	4.456	2021	208,110	Y	0.989		
Ten Years Total or Average:													119,984	130,480	1.087	2022	-	N	0.989	
Latest 3 Years Total or Average:													27,437	39,682	1.446	2023	-		1.003	

Values	Description	Explanation
1.446	(A) Latest Relative Loss Experience	Relative Loss Experience for Latest 3 Years from column (27) above.
0.989	(B) Prior Experience Modification Factor	Experience modification factor from prior rate study.
1.6%	(C) Weight given to Latest Relative Loss Experience:	Based on size - larger members are more self-rated.
98.4%	(D) Weight given to Prior Experience Modification Factor	1-(C)
1.006	(E) Off-Balance Adjustment:	An adjustment factor designed to ensure allocation of the full cost amount
1.003	(F) Experience Modification Factor:	[(A)x(C) + (B)x(D)] x (E)

- In calculating Pool average loss rates and actual member losses, individual claims are capped at \$25,000, \$50,000, \$100,000, or \$250,000 depending upon the number of miles driven each year.
- Pool average loss rates in columns (20) through (24) are from Exhibit 8-4 and are capped at the loss limit presented in column (14).
- Column (25) represents the benchmark loss level (AL+GL) capped at the loss limit shown in column (14). Column (25) is calculated as the member mileage/employees in columns (15) through (19) x their respective average pool loss experience rates in columns (20) through (24).
- Exposures in columns (15) through (19) are actual miles and number of employees. Exposure units in columns (1) and (7) are the estimated future exposures at the time of the rate study.
- The other rating cost components presented in column (6) are from Exhibit 8-5. Prior period assessment audits are conducted separately from the rate study.
- Deductible factors in column (5) adjust the base rate to account for the deductible portion of losses that are retained by the member. Member deductibles are presented in column (4). Deductible factors are calculated on Exhibit 8-3.
- Vehicle insured values in column (1) are calculated as the vehicle purchase price provided by the Pool, adjusted for depreciation and divided by 1,000.
- Property insured values in column (1) are the total insured property values provided by the Pool divided by 1,000.

Member: Skagit Transit
 Rating Year: 2023
 WSTIP: Rate Assessment Calculation

Rating Unit	2023					Indicated Assessment (1)x(2)x(3)x(5) (6)	2022					Dollar Change (6)-(11) (12)	Percentage Change (12)/(11) (13)	Rating Unit	
	Exposure Units (1)	2023 Base Rate (2)	2023 Experience Mod. Factor (3)	2023 Deductible (4)	2023 Deductible Factor (5)		2022 Exposure Units (7)	2022 Base Rate (8)	2022 Experience Mod. Factor (9)	2022 Deductible Factor (10)	2022 Assessment (7)x(8)x(9)x(10) (11)				
Fixed Route Mileage	1,429,440	0.1394	0.748		1.000	149,049	1,524,000	0.1304	0.753	1.000	149,643	(594)	-0.4%	Fixed Route Mileage	
Paratransit / Demand Response (DR) Mileage	525,000	0.1394	0.748		1.000	54,742	348,000	0.1304	0.753	1.000	34,171	20,572	60.2%	Paratransit / Demand Response (DR) Mileage	
Vanpool Mileage	646,000	0.1394	0.748		1.000	67,359	615,000	0.1304	0.753	1.000	60,388	6,972	11.5%	Vanpool Mileage	
Admin / Maintenance Mileage	161,438	0.1394	0.748		1.000	16,833	143,526	0.1304	0.753	1.000	14,093	2,740	19.4%	Admin / Maintenance Mileage	
Number of Employees	156	439.92	0.748		1.000	51,333	150	405.85	0.753	1.000	45,841	5,493	12.0%	Number of Employees	
Vehicle Insured Values (in thousands)	11,483	5.0627	1.000	5.000	0.842	48,948	12,591	4.7908	1.000	0.832	50,185	(1,238)	-2.5%	Vehicle Insured Values (in thousands)	
Property Insured Values (in thousands)	28,689	2.3019	1.000	5.000	0.989	65,313	27,011	2.5556	1.000	0.990	68,339	(3,026)	-4.4%	Property Insured Values (in thousands)	
Other Rating Cost Components						13,356					11,462	1,894	16.5%	Other Rating Cost Components	
Total Indicated Assessment:						466,934	Total Prior Assessment:					434,122	32,812	7.6%	

Year	Loss Limit (Cap) (14)	Actual Mileage From					Number of Employees (19)	Pool Average Loss Rate From					Benchmark Liability Losses (Capped) (25)	Actual Liability Losses (Capped) (26)	Relative Loss Experience (26)/(25) (27)	Rating Year (28)	Actual All Coverage Losses (Uncapped) (28)	Open Claims As of 6/30/22 (29)	Experience Mod. Factor (30)
		Fixed Route (15)	Paratransit / DR (16)	Vanpool (17)	Admin / Maintenance (18)			Fixed Route (20)	Paratransit / DR (21)	Vanpool (22)	Admin / Maintenance (23)	FTEs (24)							
2012	50,000	1,027,819	379,884	933,137	158,481	109	0.018	0.018	0.018	0.018	55.10	51,685	6,031	0.117	2012	47,814	N	1.000	
2013	50,000	1,166,349	328,115	1,071,918	127,737	115	0.034	0.034	0.034	41.08	97,351	129,708	1,332	2013	270,257	N	1.015		
2014	50,000	1,273,439	327,735	1,126,682	140,866	120	0.024	0.024	0.024	48.36	74,943	90,561	1.208	2014	121,004	N	0.983		
2015	50,000	1,176,888	378,861	1,068,314	155,224	122	0.023	0.023	0.023	48.05	70,218	9,305	0.133	2015	26,897	N	0.943		
2016	50,000	1,278,006	394,086	1,037,565	156,123	127	0.026	0.026	0.026	30.85	77,223	81,183	1.051	2016	196,946	N	0.922		
2017	50,000	1,347,477	403,452	999,579	171,346	136	0.029	0.029	0.029	62.10	93,898	23,174	0.247	2017	38,968	N	0.955		
2018	50,000	1,426,376	383,016	1,075,592	168,519	140	0.032	0.032	0.032	29.37	101,772	82,376	0.809	2018	742,857	Y	0.929		
2019	50,000	1,366,402	410,616	1,085,851	158,800	141	0.026	0.026	0.026	47.31	86,585	4,740	0.055	2019	113,677	N	0.891		
2020	50,000	972,217	246,877	679,177	146,934	141	0.019	0.019	0.019	45.18	44,425	13,645	0.307	2020	30,862	N	0.862		
2021	50,000	1,149,021	285,651	599,815	165,277	141	0.016	0.016	0.016	23.07	37,888	78,967	2.084	2021	435,010	Y	0.795		
Ten Years Total or Average:												735,990	519,691	0.706	2022	-	Y	0.753	
Latest 3 Years Total or Average:												168,899	97,352	0.576	2023	-		0.748	

Values	Description	Explanation
0.576	(A) Latest Relative Loss Experience	Relative Loss Experience for Latest 3 Years from column (27) above.
0.753	(B) Prior Experience Modification Factor	Experience modification factor from prior rate study.
5.8%	(C) Weight given to Latest Relative Loss Experience:	Based on size - larger members are more self-rated.
94.2%	(D) Weight given to Prior Experience Modification Factor	1-(C)
1.006	(E) Off-Balance Adjustment:	An adjustment factor designed to ensure allocation of the full cost amount
0.748	(F) Experience Modification Factor:	[(A)x(C) + (B)x(D)] x (E)

- In calculating Pool average loss rates and actual member losses, individual claims are capped at \$25,000, \$50,000, \$100,000, or \$250,000 depending upon the number of miles driven each year.
- Pool average loss rates in columns (20) through (24) are from Exhibit 8-4 and are capped at the loss limit presented in column (14).
- Column (25) represents the benchmark loss level (AL+GL) capped at the loss limit shown in column (14). Column (25) is calculated as the member mileage/employees in columns (15) through (19) x their respective average pool loss experience rates in columns (20) through (24).
- Exposures in columns (15) through (19) are actual miles and number of employees. Exposure units in columns (1) and (7) are the estimated future exposures at the time of the rate study.
- The other rating cost components presented in column (6) are from Exhibit 8-5. Prior period assessment audits are conducted separately from the rate study.
- Deductible factors in column (5) adjust the base rate to account for the deductible portion of losses that are retained by the member. Member deductibles are presented in column (4). Deductible factors are calculated on Exhibit 8-3.
- Vehicle insured values in column (1) are calculated as the vehicle purchase price provided by the Pool, adjusted for depreciation and divided by 1,000.
- Property insured values in column (1) are the total insured property values provided by the Pool divided by 1,000.

Member: Spokane Transit Authority
 Rating Year: 2023
 WSTIP: Rate Assessment Calculation

Rating Unit	2023					Indicated Assessment (1)x(2)x(3)x(5) (6)	2022					Dollar Change (6)-(11) (12)	Percentage Change (12)/(11) (13)	Rating Unit	
	Exposure Units (1)	2023 Base Rate (2)	2023 Experience Mod. Factor (3)	2023 Deductible (4)	2023 Deductible Factor (5)		2022 Exposure Units (7)	2022 Base Rate (8)	2022 Experience Mod. Factor (9)	2022 Deductible (10)	2022 Assessment (7)x(8)x(9)x(10) (11)				
Fixed Route Mileage	8,298,749	0.1394	1.121		1.000	1,296,824	7,618,840	0.1304	1.107	1.000	1,099,801	197,023	17.9%	Fixed Route Mileage	
Paratransit / Demand Response (DR) Mileage	1,902,542	0.1394	1.121		1.000	297,305	1,364,978	0.1304	1.107	1.000	197,038	100,267	50.9%	Paratransit / Demand Response (DR) Mileage	
Vanpool Mileage	991,779	0.1394	1.121		1.000	154,983	891,870	0.1304	1.107	1.000	128,744	26,239	20.4%	Vanpool Mileage	
Admin / Maintenance Mileage	471,908	0.1394	1.121		1.000	73,744	459,975	0.1304	1.107	1.000	66,399	7,345	11.1%	Admin / Maintenance Mileage	
Number of Employees	720	439.92	1.121		1.000	355,068	685	405.85	1.107	1.000	307,754	47,314	15.4%	Number of Employees	
Vehicle Insured Values (in thousands)	46,576	5.0627	1.000	25,000	0.714	168,361	28,675	4.7908	1.000	0.696	95,614	72,747	76.1%	Vehicle Insured Values (in thousands)	
Property Insured Values (in thousands)	118,643	2.3019	1.000	25,000	0.975	266,277	109,615	2.5556	1.000	0.977	273,689	(7,412)	-2.7%	Property Insured Values (in thousands)	
Other Rating Cost Components						35,816					31,333	4,483	14.3%	Other Rating Cost Components	
Total Indicated Assessment:						2,648,378	Total Prior Assessment:					2,200,372	448,006	20.4%	

Year	Loss Limit (Cap) (14)	Actual Mileage From					Number of Employees (19)	Pool Average Loss Rate From					Benchmark Liability Losses (Capped) (25)	Actual Liability Losses (Capped) (26)	Relative Loss Experience (26)/(25) (27)	Rating Year	Actual All Coverage Losses (Uncapped) (28)	Open Claims As of 6/30/22 (29)	Experience Mod. Factor (30)
		Fixed Route (15)	Paratransit / DR (16)	Vanpool (17)	Admin / Maintenance (18)	Fixed Route (20)		Paratransit / DR (21)	Vanpool (22)	Admin / Maintenance (23)	FTEs (24)								
2012	100,000	5,807,094	1,378,111	1,192,508	420,505	525	0.021	0.021	0.021	0.021	93.67	235,801	167,395	0.710	2012	325,090	N	1.014	
2013	100,000	5,805,943	2,856,000	1,126,943	432,096	526	0.043	0.043	0.043	0.043	63.70	471,874	679,832	1.441	2013	907,523	N	0.998	
2014	100,000	5,911,102	1,486,461	1,174,536	431,708	527	0.027	0.027	0.027	0.027	84.86	288,901	428,456	1.483	2014	799,924	N	0.991	
2015	100,000	5,944,531	1,483,057	1,114,100	444,040	539	0.028	0.028	0.028	0.028	67.14	284,060	247,097	0.870	2015	615,614	N	1.007	
2016	100,000	5,951,216	1,244,328	1,058,496	431,197	547	0.028	0.028	0.028	0.028	37.97	261,335	210,630	0.806	2016	322,385	N	1.069	
2017	100,000	6,072,737	1,355,696	975,974	414,280	567	0.034	0.034	0.034	0.034	96.14	356,149	475,665	1.336	2017	1,092,086	N	1.198	
2018	100,000	6,358,016	1,411,054	948,679	453,653	593	0.041	0.041	0.041	0.041	48.47	408,747	592,588	1.450	2018	1,115,523	Y	1.177	
2019	100,000	6,677,437	1,544,299	950,831	498,753	609	0.033	0.033	0.033	0.033	74.69	369,283	535,466	1.450	2019	1,630,347	Y	1.139	
2020	100,000	6,751,236	1,126,139	688,555	534,561	617	0.022	0.022	0.022	0.022	73.74	242,758	180,665	0.744	2020	290,908	N	1.119	
2021	100,000	6,779,121	1,289,187	645,726	456,998	612	0.017	0.017	0.017	0.017	32.61	176,416	195,773	1.110	2021	291,794	Y	1.100	
Ten Years Total or Average:												3,095,323	3,713,567	1.200	2022	-	Y	1.107	
Latest 3 Years Total or Average:												788,457	911,904	1.157	2023	-		1.121	

Values	Description	Explanation
1.157	(A) Latest Relative Loss Experience	Relative Loss Experience for Latest 3 Years from column (27) above.
1.107	(B) Prior Experience Modification Factor	Experience modification factor from prior rate study.
14.5%	(C) Weight given to Latest Relative Loss Experience:	Based on size - larger members are more self-rated.
85.5%	(D) Weight given to Prior Experience Modification Factor	1-(C)
1.006	(E) Off-Balance Adjustment:	An adjustment factor designed to ensure allocation of the full cost amount
1.121	(F) Experience Modification Factor:	[(A)x(C) + (B)x(D)] x (E)

- In calculating Pool average loss rates and actual member losses, individual claims are capped at \$25,000, \$50,000, \$100,000, or \$250,000 depending upon the number of miles driven each year.
- Pool average loss rates in columns (20) through (24) are from Exhibit 8-4 and are capped at the loss limit presented in column (14).
- Column (25) represents the benchmark loss level (AL+GL) capped at the loss limit shown in column (14). Column (25) is calculated as the member mileage/employees in columns (15) through (19) x their respective average pool loss experience rates in columns (20) through (24).
- Exposures in columns (15) through (19) are actual miles and number of employees. Exposure units in columns (1) and (7) are the estimated future exposures at the time of the rate study.
- The other rating cost components presented in column (6) are from Exhibit 8-5. Prior period assessment audits are conducted separately from the rate study.
- Deductible factors in column (5) adjust the base rate to account for the deductible portion of losses that are retained by the member. Member deductibles are presented in column (4). Deductible factors are calculated on Exhibit 8-3.
- Vehicle insured values in column (1) are calculated as the vehicle purchase price provided by the Pool, adjusted for depreciation and divided by 1,000.
- Property insured values in column (1) are the total insured property values provided by the Pool divided by 1,000.

Member: Valley Transit
 Rating Year: 2023
 WSTIP: Rate Assessment Calculation

Rating Unit	2023					Indicated Assessment (1)x(2)x(3)x(5) (6)	2022					Dollar Change (6)-(11) (12)	Percentage Change (12)/(11) (13)	Rating Unit	
	Exposure Units (1)	2023 Base Rate (2)	2023 Experience Mod. Factor (3)	2023 Deductible (4)	2023 Deductible Factor (5)		Exposure Units (7)	2022 Base Rate (8)	2022 Experience Mod. Factor (9)	2022 Deductible (10)	2022 Assessment (7)x(8)x(9)x(10) (11)				
Fixed Route Mileage	375,000	0.1394	1.028		1.000	53,739	375,000	0.1304	1.008	1.000	49,291	4,448	9.0%	Fixed Route Mileage	
Paratransit / Demand Response (DR) Mileage	164,000	0.1394	1.028		1.000	23,502	164,000	0.1304	1.008	1.000	21,557	1,945	9.0%	Paratransit / Demand Response (DR) Mileage	
Vanpool Mileage	80,000	0.1394	1.028		1.000	11,464	70,000	0.1304	1.008	1.000	9,201	2,263	24.6%	Vanpool Mileage	
Admin / Maintenance Mileage	30,000	0.1394	1.028		1.000	4,299	30,000	0.1304	1.008	1.000	3,943	356	9.0%	Admin / Maintenance Mileage	
Number of Employees	51	439.92	1.028		1.000	23,064	51	405.85	1.008	1.000	20,864	2,200	10.5%	Number of Employees	
Vehicle Insured Values (in thousands)	3,040	5.0627	1.000	5,000	0.842	12,961	3,501	4.7908	1.000	0.832	13,955	(994)	-7.1%	Vehicle Insured Values (in thousands)	
Property Insured Values (in thousands)	10,444	2.3019	1.000	5,000	0.989	23,777	9,741	2.5556	1.000	0.990	24,645	(869)	-3.5%	Property Insured Values (in thousands)	
Other Rating Cost Components						26,171					19,482	6,689	34.3%	Other Rating Cost Components	
Total Indicated Assessment:						178,976	Total Prior Assessment:					162,938	16,038	9.8%	

Year	Loss Limit (Cap) (14)	Actual Mileage From				Admin / Maintenance (18)	Number of Employees (19)	Pool Average Loss Rate From				Admin / Maintenance (23)	FTEs (24)	Benchmark Liability Losses (Capped) (25)	Actual Liability Losses (Capped) (26)	Relative Loss Experience (26)/(25) (27)	Rating Year (28)	Actual All Coverage Losses (Uncapped) (28)	Open Claims As of 6/30/22 (29)	Experience Mod. Factor (30)
		Fixed Route (15)	Paratransit / DR (16)	Vanpool (17)				Fixed Route (20)	Paratransit / DR (21)	Vanpool (22)										
2012	25,000	360,981	155,544	61,149	37,959	49	0.015	0.015	0.015	0.015	32.98	10,832	1,328	0.123	2012	5,336	N	1.003		
2013	25,000	351,899	162,987	66,629	39,448	50	0.027	0.027	0.027	0.027	29.18	17,979	12,671	0.705	2013	12,671	N	1.024		
2014	25,000	362,526	164,686	74,017	27,274	54	0.020	0.020	0.020	0.020	26.03	13,893	7,493	0.539	2014	13,821	N	1.021		
2015	25,000	310,448	189,664	63,624	50,701	55	0.019	0.019	0.019	0.019	31.95	13,693	11,792	0.861	2015	11,792	N	1.045		
2016	25,000	380,852	148,013	63,624	36,798	54	0.022	0.022	0.022	0.022	21.46	15,018	3,661	0.244	2016	8,291	N	1.038		
2017	25,000	336,296	142,980	60,558	20,964	55	0.024	0.024	0.024	0.024	35.33	15,613	6,509	0.417	2017	8,211	N	1.066		
2018	25,000	348,378	141,320	62,710	31,237	55	0.025	0.025	0.025	0.025	18.18	15,545	14,980	0.964	2018	91,168	N	1.048		
2019	25,000	349,160	141,420	62,722	31,964	56	0.021	0.021	0.021	0.021	32.94	13,885	37,316	2.688	2019	146,519	N	1.027		
2020	25,000	232,815	112,915	56,930	24,376	49	0.015	0.015	0.015	0.015	28.36	7,929	8,306	1.048	2020	13,594	N	1.013		
2021	25,000	254,537	91,588	79,043	28,175	45	0.014	0.014	0.014	0.014	18.31	7,023	6,648	0.947	2021	6,998	N	1.006		
Ten Years Total or Average:													131,409	110,703	0.842	2022	-	N	1.008	
Latest 3 Years Total or Average:													28,837	52,270	1.813	2023	-		1.028	

Values	Description	Explanation
1.813	(A) Latest Relative Loss Experience	Relative Loss Experience for Latest 3 Years from column (27) above.
1.008	(B) Prior Experience Modification Factor	Experience modification factor from prior rate study.
1.6%	(C) Weight given to Latest Relative Loss Experience:	Based on size - larger members are more self-rated.
98.4%	(D) Weight given to Prior Experience Modification Factor	1-(C)
1.006	(E) Off-Balance Adjustment:	An adjustment factor designed to ensure allocation of the full cost amount
1.028	(F) Experience Modification Factor:	[(A)x(C) + (B)x(D)] x (E)

- In calculating Pool average loss rates and actual member losses, individual claims are capped at \$25,000, \$50,000, \$100,000, or \$250,000 depending upon the number of miles driven each year.
- Pool average loss rates in columns (20) through (24) are from Exhibit 8-4 and are capped at the loss limit presented in column (14).
- Column (25) represents the benchmark loss level (AL+GL) capped at the loss limit shown in column (14). Column (25) is calculated as the member mileage/employees in columns (15) through (19) x their respective average pool loss experience rates in columns (20) through (24).
- Exposures in columns (15) through (19) are actual miles and number of employees. Exposure units in columns (1) and (7) are the estimated future exposures at the time of the rate study.
- The other rating cost components presented in column (6) are from Exhibit 8-5. Prior period assessment audits are conducted separately from the rate study.
- Deductible factors in column (5) adjust the base rate to account for the deductible portion of losses that are retained by the member. Member deductibles are presented in column (4). Deductible factors are calculated on Exhibit 8-3.
- Vehicle insured values in column (1) are calculated as the vehicle purchase price provided by the Pool, adjusted for depreciation and divided by 1,000.
- Property insured values in column (1) are the total insured property values provided by the Pool divided by 1,000.

Member: Whatcom Transportation Authority
 Rating Year: 2023
 WSTIP: Rate Assessment Calculation

Rating Unit	2023					Indicated Assessment (1)x(2)x(3)x(5) (6)	2022					Dollar Change (6)-(11) (12)	Percentage Change (12)/(11) (13)	Rating Unit	
	Exposure Units (1)	2023 Base Rate (2)	2023 Experience Mod. Factor (3)	2023 Deductible (4)	2023 Deductible Factor (5)		2022 Exposure Units (7)	2022 Base Rate (8)	2022 Experience Mod. Factor (9)	2022 Deductible (10)	2022 Assessment (7)x(8)x(9)x(10) (11)				
Fixed Route Mileage	2,382,247	0.1394	0.935		1.000	310,500	2,459,611	0.1304	0.905	1.000	290,264	20,236	7.0%	Fixed Route Mileage	
Paratransit / Demand Response (DR) Mileage	1,036,000	0.1394	0.935		1.000	135,031	1,115,121	0.1304	0.905	1.000	131,598	3,434	2.6%	Paratransit / Demand Response (DR) Mileage	
Vanpool Mileage	142,881	0.1394	0.935		1.000	18,623	222,222	0.1304	0.905	1.000	26,225	(7,602)	-29.0%	Vanpool Mileage	
Admin / Maintenance Mileage	223,866	0.1394	0.935		1.000	29,178	248,884	0.1304	0.905	1.000	29,371	(193)	-0.7%	Admin / Maintenance Mileage	
Number of Employees	307	439.92	0.935		1.000	126,277	299	405.85	0.905	1.000	109,821	16,456	15.0%	Number of Employees	
Vehicle Insured Values (in thousands)	19,286	5.0627	1.000	5,000	0.842	82,211	14,977	4.7908	1.000	0.832	59,696	22,515	37.7%	Vehicle Insured Values (in thousands)	
Property Insured Values (in thousands)	34,467	2.3019	1.000	5,000	0.989	78,467	24,735	2.5556	1.000	0.990	62,581	15,886	25.4%	Property Insured Values (in thousands)	
Other Rating Cost Components						47,243					42,890	4,353	10.1%	Other Rating Cost Components	
Total Indicated Assessment:						827,530	Total Prior Assessment:					752,445	75,085	10.0%	

Year	Loss Limit (Cap) (14)	Actual Mileage From				Admin / Maintenance (18)	Number of Employees (19)	Pool Average Loss Rate From				Admin / Maintenance (23)	FTEs (24)	Benchmark Liability Losses (Capped) (25)	Actual Liability Losses (Capped) (26)	Relative Loss Experience (26)/(25) (27)	Rating Year (28)	Actual All Coverage Losses (Uncapped) (28)	Open Claims As of 6/30/22 (29)	Experience Mod. Factor (30)
		Fixed Route (15)	Paratransit / DR (16)	Vanpool (17)	Admin / Maintenance (18)			Fixed Route (20)	Paratransit / DR (21)	Vanpool (22)	Admin / Maintenance (23)									
2012	50,000	1,771,998	784,069	687,091	180,824	218	0.018	0.018	0.018	0.018	55.10	74,591	16,851	0.226	2012	55,750	N	0.970		
2013	50,000	1,777,273	834,706	693,971	198,536	220	0.034	0.034	0.034	0.034	41.08	129,526	170,260	1.314	2013	563,240	N	0.948		
2014	50,000	1,983,230	901,076	589,493	202,829	227	0.024	0.024	0.024	0.024	48.36	99,589	66,165	0.664	2014	87,917	N	0.953		
2015	50,000	2,031,977	944,418	518,812	198,378	229	0.023	0.023	0.023	0.023	48.05	96,531	54,821	0.568	2015	63,189	N	0.929		
2016	50,000	2,072,533	969,513	460,430	193,362	234	0.026	0.026	0.026	0.026	30.85	101,757	116,576	1.146	2016	303,705	N	0.912		
2017	50,000	2,179,204	1,031,483	396,942	210,115	258	0.029	0.029	0.029	0.029	62.10	127,676	146,915	1.151	2017	246,098	Y	0.925		
2018	50,000	2,346,865	1,053,020	449,683	245,922	273	0.032	0.032	0.032	0.032	29.37	139,004	164,494	1.183	2018	770,349	Y	0.911		
2019	50,000	2,343,487	1,087,923	244,302	226,258	277	0.026	0.026	0.026	0.026	47.31	116,301	72,226	0.621	2019	110,311	Y	0.916		
2020	50,000	1,935,811	660,507	158,609	210,565	281	0.019	0.019	0.019	0.019	45.18	67,874	32,371	0.477	2020	35,052	N	0.941		
2021	50,000	2,158,230	811,840	123,988	256,732	291	0.016	0.016	0.016	0.016	23.07	59,472	190,553	3.204	2021	282,919	Y	0.916		
Ten Years Total or Average:													1,012,321	1,031,231	1.019	2022	-	Y	0.905	
Latest 3 Years Total or Average:													243,647	295,150	1.211	2023	-		0.935	

Values	Description	Explanation
1.211	(A) Latest Relative Loss Experience	Relative Loss Experience for Latest 3 Years from column (27) above.
0.905	(B) Prior Experience Modification Factor	Experience modification factor from prior rate study.
7.8%	(C) Weight given to Latest Relative Loss Experience:	Based on size - larger members are more self-rated.
92.2%	(D) Weight given to Prior Experience Modification Factor	1-(C)
1.006	(E) Off-Balance Adjustment:	An adjustment factor designed to ensure allocation of the full cost amount
0.935	(F) Experience Modification Factor:	[(A)x(C) + (B)x(D)] x (E)

- In calculating Pool average loss rates and actual member losses, individual claims are capped at \$25,000, \$50,000, \$100,000, or \$250,000 depending upon the number of miles driven each year.
- Pool average loss rates in columns (20) through (24) are from Exhibit 8-4 and are capped at the loss limit presented in column (14).
- Column (25) represents the benchmark loss level (AL+GL) capped at the loss limit shown in column (14). Column (25) is calculated as the member mileage/employees in columns (15) through (19) x their respective average pool loss experience rates in columns (20) through (24).
- Exposures in columns (15) through (19) are actual miles and number of employees. Exposure units in columns (1) and (7) are the estimated future exposures at the time of the rate study.
- The other rating cost components presented in column (6) are from Exhibit 8-5. Prior period assessment audits are conducted separately from the rate study.
- Deductible factors in column (5) adjust the base rate to account for the deductible portion of losses that are retained by the member. Member deductibles are presented in column (4). Deductible factors are calculated on Exhibit 8-3.
- Vehicle insured values in column (1) are calculated as the vehicle purchase price provided by the Pool, adjusted for depreciation and divided by 1,000.
- Property insured values in column (1) are the total insured property values provided by the Pool divided by 1,000.

Member: Yakima Transit
 Rating Year: 2023
 WSTIP: Rate Assessment Calculation

Rating Unit	2023					Indicated Assessment (1)x(2)x(3)x(5) (6)	2022					Dollar Change (6)-(11) (12)	Percentage Change (12)/(11) (13)	Rating Unit	
	Exposure Units (1)	2023 Base Rate (2)	2023 Experience Mod. Factor (3)	2023 Deductible (4)	2023 Deductible Factor (5)		2022 Exposure Units (7)	2022 Base Rate (8)	2022 Experience Mod. Factor (9)	2022 Deductible (10)	2022 Assessment (7)x(8)x(9)x(10) (11)				
Fixed Route Mileage	720,000	0.1394	1.125		1.000	112,914	720,000	0.1304	1.081	1.000	101,493	11,421	11.3%	Fixed Route Mileage	
Paratransit / Demand Response (DR) Mileage	275,000	0.1394	1.125		1.000	43,127	275,000	0.1304	1.081	1.000	38,765	4,362	11.3%	Paratransit / Demand Response (DR) Mileage	
Vanpool Mileage	0	0.1394	1.125		1.000	0	75,000	0.1304	1.081	1.000	10,572	(10,572)	-100.0%	Vanpool Mileage	
Admin / Maintenance Mileage	40,000	0.1394	1.125		1.000	6,273	50,000	0.1304	1.081	1.000	7,048	(775)	-11.0%	Admin / Maintenance Mileage	
Number of Employees	55	439.92	1.125		1.000	27,220	57	405.85	1.081	1.000	25,007	2,213	8.8%	Number of Employees	
Vehicle Insured Values (in thousands)	3,679	5.0627	1.000	5,000	0.842	15,684	4,502	4.7908	1.000	0.832	17,947	(2,263)	-12.6%	Vehicle Insured Values (in thousands)	
Property Insured Values (in thousands)	0	2.3019	1.000	0	1.000	0	0	2.5556	1.000	1.000	0	0	0.0%	Property Insured Values (in thousands)	
Other Rating Cost Components						9,690					9,516	174	1.8%	Other Rating Cost Components	
Total Indicated Assessment:						214,908	Total Prior Assessment:					210,348	4,560	2.2%	

Year	Loss Limit (Cap) (14)	Actual Mileage From					Number of Employees (19)	Pool Average Loss Rate From					Benchmark Liability Losses (Capped) (25)	Actual Liability Losses (Capped) (26)	Relative Loss Experience (26)/(25) (27)	Rating Year (28)	Actual All Coverage Losses (Uncapped) (28)	Open Claims As of 6/30/22 (29)	Experience Mod. Factor (30)
		Fixed Route (15)	Paratransit / DR (16)	Vanpool (17)	Admin / Maintenance (18)	Fixed Route (20)		Paratransit / DR (21)	Vanpool (22)	Admin / Maintenance (23)	FTEs (24)								
2012	50,000	850,858	431,586	579,887	42,331	71	0.018	0.018	0.018	0.018	0.018	55.10	38,723	56,996	1.472	2012	114,171	N	1.029
2013	50,000	1,065,145	466,291	462,706	45,007	55	0.034	0.034	0.034	0.034	0.034	41.08	72,368	89,942	1.243	2013	157,461	N	1.095
2014	50,000	727,350	461,578	383,121	77,529	55	0.024	0.024	0.024	0.024	0.024	48.36	42,417	73,540	1.734	2014	103,652	N	1.093
2015	50,000	729,745	418,529	343,317	38,186	59	0.023	0.023	0.023	0.023	0.023	48.05	38,258	9,430	0.246	2015	39,598	N	1.105
2016	50,000	808,054	402,814	314,252	51,009	64	0.026	0.026	0.026	0.026	0.026	30.85	42,291	11,320	0.268	2016	62,945	N	1.124
2017	50,000	714,687	384,450	275,975	49,052	59	0.029	0.029	0.029	0.029	0.029	62.10	45,315	48,840	1.078	2017	49,385	N	1.156
2018	50,000	647,362	357,545	289,181	63,603	57	0.032	0.032	0.032	0.032	0.032	29.37	45,097	4,835	0.107	2018	26,135	N	1.139
2019	50,000	706,976	312,542	274,253	58,676	57	0.026	0.026	0.026	0.026	0.026	47.31	38,465	71,886	1.869	2019	188,355	N	1.108
2020	50,000	705,056	184,733	60,594	50,280	52	0.019	0.019	0.019	0.019	0.019	45.18	20,969	112,464	5.363	2020	420,806	Y	1.082
2021	50,000	710,440	224,817	31,691	53,892	60	0.016	0.016	0.016	0.016	0.016	23.07	17,457	2,882	0.165	2021	9,314	N	1.065
Ten Years Total or Average:													401,359	482,134	1.201	2022	-	N	1.081
Latest 3 Years Total or Average:													76,891	187,232	2.435	2023	-		1.125

Values	Description	Explanation
2.435	(A) Latest Relative Loss Experience	Relative Loss Experience for Latest 3 Years from column (27) above.
1.081	(B) Prior Experience Modification Factor	Experience modification factor from prior rate study.
2.7%	(C) Weight given to Latest Relative Loss Experience:	Based on size - larger members are more self-rated.
97.3%	(D) Weight given to Prior Experience Modification Factor	1-(C)
1.006	(E) Off-Balance Adjustment:	An adjustment factor designed to ensure allocation of the full cost amount
1.125	(F) Experience Modification Factor:	[(A)x(C) + (B)x(D)] x (E)

- In calculating Pool average loss rates and actual member losses, individual claims are capped at \$25,000, \$50,000, \$100,000, or \$250,000 depending upon the number of miles driven each year.
- Pool average loss rates in columns (20) through (24) are from Exhibit 8-4 and are capped at the loss limit presented in column (14).
- Column (25) represents the benchmark loss level (AL+GL) capped at the loss limit shown in column (14). Column (25) is calculated as the member mileage/employees in columns (15) through (19) x their respective average pool loss experience rates in columns (20) through (24).
- Exposures in columns (15) through (19) are actual miles and number of employees. Exposure units in columns (1) and (7) are the estimated future exposures at the time of the rate study.
- The other rating cost components presented in column (6) are from Exhibit 8-5. Prior period assessment audits are conducted separately from the rate study.
- Deductible factors in column (5) adjust the base rate to account for the deductible portion of losses that are retained by the member. Member deductibles are presented in column (4). Deductible factors are calculated on Exhibit 8-3.
- Vehicle insured values in column (1) are calculated as the vehicle purchase price provided by the Pool, adjusted for depreciation and divided by 1,000.
- Property insured values in column (1) are the total insured property values provided by the Pool divided by 1,000.

Member: All Members
 Rating Year: 2023
 WSTIP: Rate Assessment Calculation

Rating Unit	2023 Exposure		2023 Experience		2023 Deductible	Indicated 2023 Assessment	Prior 2022 Exposure		Prior 2022 Experience		Prior 2022 Deductible	Prior 2022 Assessment	Dollar Change (5)-(10)	Percentage Change (11)/(10)	Rating Unit	
	Units (1)	Base Rate (2)	Mod. Factor (3)	Factor (4)			Units (6)	Base Rate (7)	Mod. Factor (8)	Factor (9)						
Fixed Route Mileage	58,451,918	0.1394				8,123,309	60,188,415	0.1304				7,866,008	257,301	3.3%	Fixed Route Mileage	
Paratransit / Demand Response (DR) Mileage	13,667,767	0.1394				1,865,658	12,949,637	0.1304				1,626,496	239,161	14.7%	Paratransit / Demand Response (DR) Mileage	
Vanpool Mileage	12,992,232	0.1394				1,747,500	13,273,135	0.1304				1,639,929	107,572	6.6%	Vanpool Mileage	
Admin / Maintenance Mileage	5,139,766	0.1394				699,117	4,914,552	0.1304				622,993	76,124	12.2%	Admin / Maintenance Mileage	
Number of Employees	5,956	439.92				2,616,614	5,672	405.85				2,282,560	334,054	14.6%	Number of Employees	
Vehicle Insured Values (in thousands)	472,275	5.0627				1,913,596	443,980	4.7908				1,686,786	226,809	13.4%	Vehicle Insured Values (in thousands)	
Property Insured Values (in thousands)	876,819	2.3019				1,986,694	763,922	2.5556				1,923,789	62,905	3.3%	Property Insured Values (in thousands)	
Other Rating Cost Components						775,558						738,716	36,842	5.0%	Other Rating Cost Components	
Total Indicated Assessment:						19,728,046	Total Prior Assessment:						18,387,277	1,340,770	7.3%	

Loss Year	Mileage from (13)	Percent Change from Prior Year (14)	Mileage from Paratransit/ Demand Resp. (15)	Percent Change from Prior Year (16)	Mileage from Vanpool (17)	Percent Change from Prior Year (18)	Mileage from Admin (19)	Percent Change from Prior Year (20)	Number of Employees (21)	Percent Change from Prior Year (22)	Rating Year	Actual All Coverage Losses (Uncapped) (23)	Open Claims As of 6/30/22 (24)
	2012	51,689,306		13,124,721		25,476,618		4,529,634		4,491		2012	6,975,989
2013	52,263,873	1.1%	14,839,300	13.1%	25,271,234	-0.8%	4,744,692	4.7%	4,393	-2.2%	2013	6,916,344	N
2014	52,886,722	1.2%	14,136,142	-4.7%	25,199,175	-0.3%	4,740,775	-0.1%	4,449	1.3%	2014	9,798,312	N
2015	54,165,985	2.4%	13,733,625	-2.8%	24,265,091	-3.7%	4,716,177	-0.5%	4,630	4.1%	2015	8,500,581	N
2016	56,023,354	3.4%	13,685,427	-0.4%	22,917,126	-5.6%	4,867,935	3.2%	4,906	6.0%	2016	4,936,172	N
2017	56,328,069	0.5%	13,773,739	0.6%	22,583,038	-1.5%	5,318,486	9.3%	5,056	3.1%	2017	6,936,759	Y
2018	59,225,229	5.1%	14,060,954	2.1%	22,310,158	-1.2%	4,913,789	-7.6%	5,204	2.9%	2018	11,061,809	Y
2019	62,651,998	5.8%	14,659,610	4.3%	21,772,352	-2.4%	5,502,087	12.0%	5,443	4.6%	2019	10,592,939	Y
2020	53,115,063	-15.2%	9,479,221	-35.3%	12,137,648	-44.3%	4,912,189	-10.7%	5,217	-4.2%	2020	4,251,324	Y
2021	55,412,172	4.3%	10,054,105	6.1%	9,803,623	-19.2%	4,542,471	-7.5%	5,245	0.5%	2021	3,751,193	Y

For the All Members Rate Sheet: Actual All Coverage Losses (Uncapped) excludes the losses of Twin Transit.

Washington State Transit Insurance Pool
Indicated UIM Rates

	<u>Vanpool</u> (1)	<u>Non-Vanpool</u> (2)	<u>Total</u> <u>(1)+(2)</u> (3)
(1) UIM Losses 2012-2021	921,269	824,029	1,745,298
(2) UIM Contribution using Current Rates 2012-2021	1,587,841	1,876,021	3,463,862
(3) Historical Loss Ratios using Current Rates (1)/(2)	58.0%	43.9%	50.4%
(4) Permissible Loss Ratio	64.2%	64.2%	64.2%
(5) Indicated Rate Change (3)/(4) - 1	-10%	-32%	-21%
(6) Current Rate	0.0075	0.0060	
(7) Indicated Rate (6) x [1 + (5)]	0.0068	0.0041	

1. Losses are valued as of 6/30/22 and then developed and trended to 2023
2. Lines (1) through (3) for Vanpool and Non-Vanpool are from the total line of Exhibit 9-2.
3. The permissible loss ratio in line (4) = 1 - anticipated percentage of UIM expenses for 2023

Washington State Transit Insurance Pool
Estimation of UIM Loss Rates

Accident Year	Total Vanpool UIM Contribution <u>At Current Rates</u> (1)	Total Vanpool Trended & Developed <u>Incurred Loss</u> (2)	Loss Ratio <u>(2)/(1)</u> (3)	Total Non-Vanpool UIM Contribution <u>At Current Rates</u> (4)	Total Non-Vanpool Trended & Developed <u>Incurred Loss</u> (5)	Loss Ratio <u>(5)/(4)</u> (6)
2012	191,075	101,580	0.532	164,862	156,162	0.947
2013	189,534	19,366	0.102	168,393	4,171	0.025
2014	188,994	202,469	1.071	169,049	6,588	0.039
2015	181,973	83,551	0.459	167,329	84,138	0.503
2016	171,878	15,057	0.088	262,489	79,528	0.303
2017	169,373	68,953	0.407	211,962	156,102	0.736
2018	167,162	338,849	2.027	167,376	185,366	1.107
2019	163,293	21,411	0.131	167,746	79,393	0.473
2020	91,032	3,704	0.041	163,665	2,937	0.018
2021	73,527	66,327	0.902	233,150	69,644	0.299
Total	1,587,841	921,269	0.580	1,876,021	824,029	0.439

1. Columns (1) and (4) were provided by WSTIP management.
2. Columns (2) and (5) are from Exhibits 9-3 and 9-4, respectively.

Washington State Transit Insurance Pool
 Uninsured/Underinsured Motorist - Vanpool Claims Only
 Trended and Developed Incurred Loss Calculation

Accident Year	Vanpool Incurred Loss (1)	Incurred Loss Development Factors (2)	Vanpool Ultimate Loss (1)x(2) (3)	Vanpool Ultimate Loss On-Level at 3% to 2023 (4)
1997	14,260	1.000	14,260	30,753
1998	35,000	1.000	35,000	73,282
1999	87,803	1.000	87,803	178,486
2000	54,477	1.000	54,477	107,515
2001	67,795	1.000	67,795	129,903
2002	0	1.000	0	0
2003	7,690	1.000	7,690	13,889
2004	0	1.000	0	0
2005	78,984	1.000	78,984	134,464
2006	128,731	1.000	128,731	212,773
2007	11,013	1.000	11,013	17,672
2008	52,162	1.000	52,162	81,266
2009	100,534	1.000	100,534	152,066
2010	12,399	1.000	12,399	18,209
2011	9,235	1.000	9,235	13,166
2012	73,383	1.000	73,383	101,580
2013	14,410	1.000	14,410	19,366
2014	155,176	1.000	155,176	202,469
2015	65,956	1.000	65,956	83,551
2016	12,243	1.000	12,243	15,057
2017	57,747	1.000	57,747	68,953
2018	292,294	1.000	292,294	338,849
2019	19,024	1.000	19,024	21,411
2020	3,390	1.000	3,390	3,704
2021	60,000	1.042	62,520	66,327
Total	1,413,706		1,416,226	2,084,714

1. Column (1) was provided by WSTIP management.
2. Column (2) is from Exhibit 6-6.

Washington State Transit Insurance Pool
 Uninsured/Underinsured Motorist - Non-Vanpool Claims Only
 Trended and Developed Incurred Loss Calculation

Accident Year	Non-Vanpool Incurred Loss (1)	Incurred Loss Development Factors (2)	Non-Vanpool Ultimate Loss (1)x(2) (3)	Non-Vanpool Ultimate Loss On-Level at 3% to 2023 (4)
1997	0	1.000	0	0
1998	0	1.000	0	0
1999	41,279	1.000	41,279	83,912
2000	1,187	1.000	1,187	2,342
2001	34,813	1.000	34,813	66,704
2002	1,626	1.000	1,626	3,026
2003	145,909	1.000	145,909	263,527
2004	47,181	1.000	47,181	82,731
2005	44,377	1.000	44,377	75,549
2006	59,963	1.000	59,963	99,110
2007	110,990	1.000	110,990	178,107
2008	43,146	1.000	43,146	67,221
2009	106,164	1.000	106,164	160,582
2010	59,647	1.000	59,647	87,594
2011	47,588	1.000	47,588	67,850
2012	112,815	1.000	112,815	156,162
2013	3,104	1.000	3,104	4,171
2014	5,049	1.000	5,049	6,588
2015	66,420	1.000	66,420	84,138
2016	64,664	1.000	64,664	79,528
2017	130,733	1.000	130,733	156,102
2018	159,899	1.000	159,899	185,366
2019	70,540	1.000	70,540	79,393
2020	2,687	1.000	2,687	2,937
2021	63,000	1.042	65,646	69,644
Total	1,422,779		1,425,425	2,062,284

1. Column (1) was provided by WSTIP management.
2. Column (2) is from Exhibit 6-6.

Washington State Transit Insurance Pool
Calculation of UIM Revenue

	UIM Miles Van Pool <u>2020</u>	UIM Miles Non-Van Pool <u>2020</u>	UIM Revenue Van Pool <u>2020</u>	UIM Revenue Non-Van Pool <u>2020</u>	Total UIM Revenue <u>2020</u>	UIM Miles Van Pool <u>2021</u>	UIM Miles Non-Van Pool <u>2021</u>	UIM Revenue Van Pool <u>2021</u>	UIM Revenue Non-Van Pool <u>2021</u>	Total UIM Revenue <u>2021</u>
Asotin PTBA	100,671	180,862	755	1,085	1,840	117,856	205,237	884	1,231	2,115
Ben Franklin Transit	1,488,135	4,884,845	11,161	29,309	40,470	1,129,064	4,922,708	8,468	29,536	38,004
Central Transit	0	0	0	0	0	0	0	0	0	0
Clallam Transit System	451,812	1,509,596	3,389	9,058	12,446	391,183	1,569,366	2,934	9,416	12,350
Columbia County Public Transportation	39,391	160,857	295	965	1,261	30,670	176,977	230	1,062	1,292
Community Transit	2,182,500	0	16,369	0	16,369	1,436,625	9,966,985	10,775	59,802	70,577
C-Tran	172,947	0	1,297	0	1,297	148,665	0	1,115	0	1,115
Everett Transit	0	1,398,648	0	8,392	8,392	0	1,547,446	0	9,285	9,285
Grant Transit Authority	66,682	0	500	0	500	52,687	0	395	0	395
Grays Harbor Transit	121,192	1,295,588	909	7,774	8,682	112,088	1,272,668	841	7,636	8,477
Intercity Transit	1,781,641	3,146,291	13,362	18,878	32,240	1,552,670	3,880,665	11,645	23,284	34,929
Island Transit	403,851	1,615,803	3,029	9,695	12,724	341,751	1,819,975	2,563	10,920	13,483
Jefferson Transit Authority	28,232	507,263	212	3,044	3,255	3,950	725,581	30	4,353	4,383
Kitsap Transit	433,852	3,868,054	3,254	23,208	26,462	363,569	3,961,022	2,727	23,766	26,493
Link Transit	0	2,261,691	0	13,570	13,570	0	2,545,844	0	15,275	15,275
Mason County Transit	63,678	761,188	478	4,567	5,045	22,536	857,242	169	5,143	5,312
Pacific Transit System	0	363,032	0	2,178	2,178	0	340,443	0	2,043	2,043
Pierce Transit	3,159,199	0	23,694	0	23,694	2,620,046	0	19,650	0	19,650
Pullman Transit	0	419,403	0	2,516	2,516	0	0	0	0	0
RiverCities Transit	0	435,280	0	2,612	2,612	0	475,895	0	2,855	2,855
Skagit Transit	679,177	0	5,094	0	5,094	599,815	0	4,499	0	4,499
Spokane Transit Authority	688,555	0	5,164	0	5,164	645,726	0	4,843	0	4,843
Twin Transit	0	352,110	0	2,113	2,113	0	0	0	0	0
Valley Transit	56,930	370,106	427	2,221	2,648	79,043	374,300	593	2,246	2,839
Whatcom Transportation Authority	158,609	2,806,883	1,190	16,841	18,031	123,988	3,226,802	930	19,361	20,291
Yakima Transit	60,594	940,069	454	5,640	6,095	31,691	989,149	238	5,935	6,173
Total	12,137,648	27,277,569	91,032	163,665	254,698	9,803,623	38,858,305	73,527	233,150	306,677

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2. The revenue columns for van pool and non-van pool are the van pool and non-van pool miles multiplied by these designated rates.

Washington State Transit Insurance Pool
Calculation of UIM Revenue

	UIM Miles Van Pool <u>2018</u>	UIM Miles Non-Van Pool <u>2018</u>	UIM Revenue Van Pool <u>2018</u>	UIM Revenue Non-Van Pool <u>2018</u>	Total UIM Revenue <u>2018</u>	UIM Miles Van Pool <u>2019</u>	UIM Miles Non-Van Pool <u>2019</u>	UIM Revenue Van Pool <u>2019</u>	UIM Revenue Non-Van Pool <u>2019</u>	Total UIM Revenue <u>2019</u>
Asotin PTBA	106,021	212,449	795	1,275	2,070	133,753	214,696	1,003	1,288	2,291
Ben Franklin Transit	3,630,822	0	27,231	0	27,231	3,677,482	0	27,581	0	27,581
Central Transit	0	0	0	0	0	0	0	0	0	0
Clallam Transit System	541,984	1,733,957	4,065	10,404	14,469	516,157	1,700,721	3,871	10,204	14,076
Columbia County Public Transportation	76,881	218,910	577	1,313	1,890	53,420	233,538	401	1,401	1,802
Community Transit	4,531,667	0	33,988	0	33,988	4,711,133	0	35,333	0	35,333
C-Tran	260,260	0	1,952	0	1,952	271,754	0	2,038	0	2,038
Everett Transit	0	2,154,273	0	12,926	12,926	0	2,276,502	0	13,659	13,659
Grant Transit Authority	258,268	1,451,264	1,937	8,708	10,645	259,283	0	1,945	0	1,945
Grays Harbor Transit	240,118	1,590,454	1,801	9,543	11,344	199,731	1,652,507	1,498	9,915	11,413
Intercity Transit	3,190,941	4,493,690	23,932	26,962	50,894	3,130,712	4,994,513	23,480	29,967	53,447
Island Transit	856,182	0	6,421	0	6,421	766,586	2,095,311	5,749	12,572	18,321
Jefferson Transit Authority	45,140	738,838	339	4,433	4,772	44,776	738,299	336	4,430	4,766
Kitsap Transit	776,515	4,455,918	5,824	26,736	32,559	663,918	4,517,743	4,979	27,106	32,086
Link Transit	0	2,211,460	0	13,269	13,269	0	2,367,996	0	14,208	14,208
Mason County Transit	128,908	0	967	0	967	112,665	0	845	0	845
Pacific Transit System	0	0	0	0	0	0	470,108	0	2,821	2,821
Pierce Transit	4,818,680	0	36,140	0	36,140	4,613,023	0	34,598	0	34,598
Pullman Transit	0	488,553	0	2,931	2,931	0	507,972	0	3,048	3,048
RiverCities Transit	0	590,210	0	3,541	3,541	0	576,819	0	3,461	3,461
Skagit Transit	1,075,592	1,977,911	8,067	11,867	19,934	1,085,851	0	8,144	0	8,144
Spokane Transit Authority	948,679	0	7,115	0	7,115	950,831	0	7,131	0	7,131
Twin Transit	0	342,878	0	2,057	2,057	0	352,527	0	2,115	2,115
Valley Transit	62,710	520,935	470	3,126	3,596	62,722	522,544	470	3,135	3,606
Whatcom Transportation Authority	449,683	3,645,807	3,373	21,875	25,247	244,302	3,657,668	1,832	21,946	23,778
Yakima Transit	289,181	1,068,510	2,169	6,411	8,580	274,253	1,078,194	2,057	6,469	8,526
Total	22,288,232	27,896,017	167,162	167,376	334,538	21,772,352	27,957,658	163,293	167,746	331,039

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2. The revenue columns for van pool and non-van pool are the van pool and non-van pool miles multiplied by these designated rates.

Washington State Transit Insurance Pool
Calculation of UIM Revenue

	UIM Miles Van Pool <u>2016</u>	UIM Miles Non-Van Pool <u>2016</u>	UIM Revenue Van Pool <u>2016</u>	UIM Revenue Non-Van Pool <u>2016</u>	Total UIM Revenue <u>2016</u>	UIM Miles Van Pool <u>2017</u>	UIM Miles Non-Van Pool <u>2017</u>	UIM Revenue Van Pool <u>2017</u>	UIM Revenue Non-Van Pool <u>2017</u>	Total UIM Revenue <u>2017</u>
Asotin PTBA	117,068	201,202	878	1,207	2,085	103,477	207,616	776	1,246	2,022
Ben Franklin Transit	3,631,726	5,164,750	27,238	30,989	58,226	3,541,621	5,246,131	26,562	31,477	58,039
Central Transit	0	0	0	0	0	0	0	0	0	0
Clallam Transit System	613,655	1,612,489	4,602	9,675	14,277	570,591	1,569,089	4,279	9,415	13,694
Columbia County Public Transportation	101,545	221,749	762	1,330	2,092	69,853	221,670	524	1,330	1,854
Community Transit	4,580,314	8,475,283	34,352	50,852	85,204	4,672,857	0	35,046	0	35,046
C-Tran	388,685	0	2,915	0	2,915	325,303	0	2,440	0	2,440
Everett Transit	0	2,048,683	0	12,292	12,292	8,984	2,140,966	67	12,846	12,913
Grant Transit Authority	257,718	1,167,001	1,933	7,002	8,935	245,529	1,472,812	1,841	8,837	10,678
Grays Harbor Transit	389,681	1,351,881	2,923	8,111	11,034	339,065	1,490,056	2,543	8,940	11,483
Intercity Transit	3,248,574	4,419,919	24,364	26,520	50,884	2,938,498	4,114,810	22,039	24,689	46,728
Island Transit	988,811	2,128,198	7,416	12,769	20,185	929,982	1,950,043	6,975	11,700	18,675
Jefferson Transit Authority	84,112	704,749	631	4,228	4,859	65,009	692,258	488	4,154	4,641
Kitsap Transit	819,381	4,301,272	6,145	25,808	31,953	879,459	4,334,149	6,596	26,005	32,601
Link Transit	0	2,070,957	0	12,426	12,426	0	2,049,089	0	12,295	12,295
Mason County Transit	195,298	1,189,310	1,465	7,136	8,601	323,993	1,097,215	2,430	6,583	9,013
Pacific Transit System	0	435,229	0	2,611	2,611	0	412,716	0	2,476	2,476
Pierce Transit	4,559,599	0	34,197	0	34,197	4,859,789	0	36,448	0	36,448
Pullman Transit	0	422,828	0	2,537	2,537	0	418,995	0	2,514	2,514
RiverCities Transit	6,592	605,908	49	3,635	3,685	0	604,953	0	3,630	3,630
Skagit Transit	1,037,565	1,828,215	7,782	10,969	18,751	999,579	1,922,275	7,497	11,534	19,030
Spokane Transit Authority	1,058,496	0	7,939	0	7,939	975,974	0	7,320	0	7,320
Twin Transit	0	335,589	0	2,014	2,014	0	312,905	0	1,877	1,877
Valley Transit	63,624	565,663	477	3,394	3,871	60,558	500,240	454	3,001	3,456
Whatcom Transportation Authority	460,430	3,235,408	3,453	19,412	22,866	396,942	3,420,802	2,977	20,525	23,502
Yakima Transit	314,252	1,261,877	2,357	7,571	9,928	275,975	1,148,189	2,070	6,889	8,959
Total	22,917,126	43,748,160	171,878	262,489	434,367	22,583,038	35,326,979	169,373	211,962	381,335

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Washington State Transit Insurance Pool
Calculation of UIM Revenue

	UIM Miles Van Pool <u>2014</u>	UIM Miles Non-Van Pool <u>2014</u>	UIM Revenue Van Pool <u>2014</u>	UIM Revenue Non-Van Pool <u>2014</u>	Total UIM Revenue <u>2014</u>	UIM Miles Van Pool <u>2015</u>	UIM Miles Non-Van Pool <u>2015</u>	UIM Revenue Van Pool <u>2015</u>	UIM Revenue Non-Van Pool <u>2015</u>	Total UIM Revenue <u>2015</u>
Asotin PTBA	123,451	193,910	926	1,163	2,089	137,101	190,782	1,028	1,145	2,173
Ben Franklin Transit	4,081,934	5,030,835	30,615	30,185	60,800	3,845,508	4,828,269	28,841	28,970	57,811
Central Transit	0	0	0	0	0	0	0	0	0	0
Clallam Transit System	642,259	1,515,723	4,817	9,094	13,911	657,734	1,525,997	4,933	9,156	14,089
Columbia County Public Transportation	129,000	235,500	968	1,413	2,381	113,054	213,001	848	1,278	2,126
Community Transit	4,760,518	0	35,704	0	35,704	4,711,918	0	35,339	0	35,339
C-Tran	452,591	0	3,394	0	3,394	398,958	0	2,992	0	2,992
Everett Transit	0	1,967,056	0	11,802	11,802	44,015	2,002,306	330	12,014	12,344
Grant Transit Authority	268,045	974,081	2,010	5,844	7,855	277,496	1,019,742	2,081	6,118	8,200
Grays Harbor Transit	407,591	0	3,057	0	3,057	399,878	0	2,999	0	2,999
Intercity Transit	3,629,991	4,200,815	27,225	25,205	52,430	3,617,992	4,375,125	27,135	26,251	53,386
Island Transit	1,205,972	2,263,533	9,045	13,581	22,626	1,116,335	1,841,074	8,373	11,046	19,419
Jefferson Transit Authority	89,368	689,406	670	4,136	4,807	76,530	693,223	574	4,159	4,733
Kitsap Transit	1,058,252	1,788,934	7,937	10,734	18,670	960,552	1,774,793	7,204	10,649	17,853
Link Transit	0	1,980,243	0	11,881	11,881	0	2,100,301	0	12,602	12,602
Mason County Transit	293,437	1,005,734	2,201	6,034	8,235	217,701	1,113,101	1,633	6,679	8,311
Pacific Transit System	0	434,724	0	2,608	2,608	0	453,733	0	2,722	2,722
Pierce Transit	4,708,917	0	35,317	0	35,317	4,580,152	0	34,351	0	34,351
Pullman Transit	0	420,172	0	2,521	2,521	0	424,404	0	2,546	2,546
RiverCities Transit	0	581,443	0	3,489	3,489	0	592,449	0	3,555	3,555
Skagit Transit	1,126,682	1,742,040	8,450	10,452	18,902	1,068,314	1,710,973	8,012	10,266	18,278
Spokane Transit Authority	1,174,536	0	8,809	0	8,809	1,114,100	0	8,356	0	8,356
Twin Transit	0	428,747	0	2,572	2,572	0	347,200	0	2,083	2,083
Valley Transit	74,017	554,486	555	3,327	3,882	63,624	550,813	477	3,305	3,782
Whatcom Transportation Authority	589,493	901,076	4,421	5,406	9,828	518,812	944,418	3,891	5,667	9,558
Yakima Transit	383,121	1,266,457	2,873	7,599	10,472	343,317	1,186,460	2,575	7,119	9,694
Total	25,199,175	28,174,915	188,994	169,049	358,043	24,263,091	27,888,164	181,973	167,329	349,302

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Washington State Transit Insurance Pool
Calculation of UIM Revenue

	UIM Miles Van Pool <u>2012</u>	UIM Miles Non-Van Pool <u>2012</u>	UIM Revenue Van Pool <u>2012</u>	UIM Revenue Non-Van Pool <u>2012</u>	Total UIM Revenue <u>2012</u>	UIM Miles Van Pool <u>2013</u>	UIM Miles Non-Van Pool <u>2013</u>	UIM Revenue Van Pool <u>2013</u>	UIM Revenue Non-Van Pool <u>2013</u>	Total UIM Revenue <u>2013</u>
Asotin PTBA	129,108	179,805	968	1,079	2,047	132,201	179,962	992	1,080	2,071
Ben Franklin Transit	4,357,289	4,630,473	32,680	27,783	60,463	4,046,851	4,911,516	30,351	29,469	59,820
Central Transit	0	0	0	0	0	0	0	0	0	0
Clallam Transit System	531,446	1,495,340	3,986	8,972	12,958	589,987	1,492,769	4,425	8,957	13,382
Columbia County Public Transportation	157,100	250,500	1,178	1,503	2,681	133,000	252,000	998	1,512	2,510
Community Transit	4,915,857	0	36,869	0	36,869	4,888,490	0	36,664	0	36,664
C-Tran	303,654	0	2,277	0	2,277	412,699	0	3,095	0	3,095
Everett Transit	49,081	2,152,025	368	12,912	13,280	0	1,894,888	0	11,369	11,369
Grant Transit Authority	250,982	1,087,285	1,882	6,524	8,406	273,965	1,084,858	2,055	6,509	8,564
Grays Harbor Transit	399,945	0	3,000	0	3,000	355,232	0	2,664	0	2,664
Intercity Transit	3,481,730	3,948,847	26,113	23,693	49,806	3,566,866	4,078,390	26,751	24,470	51,222
Island Transit	1,231,210	2,646,906	9,234	15,881	25,116	1,231,210	2,625,429	9,234	15,753	24,987
Jefferson Transit Authority	102,237	730,307	767	4,382	5,149	107,298	700,933	805	4,206	5,010
Kitsap Transit	1,102,159	1,665,896	8,266	9,995	18,262	961,185	1,722,489	7,209	10,335	17,544
Link Transit	0	2,073,529	0	12,441	12,441	0	2,000,103	0	12,001	12,001
Mason County Transit	292,889	925,966	2,197	5,556	7,752	280,854	976,040	2,106	5,856	7,963
Pacific Transit System	0	446,849	0	2,681	2,681	0	450,563	0	2,703	2,703
Pierce Transit	4,718,159	0	35,386	0	35,386	4,869,229	0	36,519	0	36,519
Pullman Transit	0	392,006	0	2,352	2,352	0	417,776	0	2,507	2,507
RiverCities Transit	0	227,023	0	1,362	1,362	0	289,224	0	1,735	1,735
Skagit Transit	933,137	1,566,184	6,999	9,397	16,396	1,071,918	1,622,201	8,039	9,733	17,773
Spokane Transit Authority	1,192,508	0	8,944	0	8,944	1,126,943	0	8,452	0	8,452
Twin Transit	0	394,668	0	2,368	2,368	0	400,864	0	2,405	2,405
Valley Transit	61,149	554,484	459	3,327	3,786	66,629	554,334	500	3,326	3,826
Whatcom Transportation Authority	687,091	784,069	5,153	4,704	9,858	693,971	834,706	5,205	5,008	10,213
Yakima Transit	579,887	1,324,775	4,349	7,949	12,298	462,706	1,576,443	3,470	9,459	12,929
Total	25,476,618	27,476,937	191,075	164,862	355,936	25,271,234	28,065,488	189,534	168,393	357,927

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Washington State Transit Insurance Pool
UIM Mileage by Mode

	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
	<u>Fixed Route</u>									
Asotin PTBA	133,985	136,767	144,346	144,592	153,507	166,173	166,006	164,931	145,652	168,438
Ben Franklin Transit	2,272,279	2,307,999	2,307,210	2,331,260	2,436,971	2,491,663	0	0	2,982,288	3,217,209
Central Transit	0	0	0	0	0	0	0	0	0	0
Clallam Transit System	1,032,735	1,034,577	1,042,447	1,051,904	1,066,840	1,031,833	1,158,660	1,152,876	1,119,456	1,173,967
Columbia County Public Transportation	0	0	0	0	0	0	0	0	0	0
Community Transit	0	0	0	0	8,475,283	0	0	0	0	9,237,588
C-Tran	0	0	0	0	0	0	0	0	0	0
Everett Transit	1,552,363	1,346,499	1,347,725	1,371,812	1,431,800	1,448,890	1,436,311	1,400,304	982,350	1,133,177
Grant Transit Authority	956,036	912,322	862,145	906,420	995,773	1,140,985	1,299,914	0	0	0
Grays Harbor Transit	0	0	0	0	959,880	1,022,777	1,118,542	1,238,741	931,789	940,283
Intercity Transit	2,880,612	2,934,299	3,067,736	3,177,485	3,194,166	2,842,365	3,156,942	3,513,173	1,776,187	2,609,091
Island Transit	1,899,641	1,899,641	1,246,164	1,248,808	1,384,213	1,380,022	0	1,494,562	1,219,161	1,447,505
Jefferson Transit Authority	593,897	587,389	580,393	598,976	605,145	597,723	648,160	641,240	419,528	635,172
Kitsap Transit	0	0	0	0	2,502,140	2,609,023	2,626,004	2,625,429	2,550,262	2,489,984
Link Transit	1,633,947	1,666,097	1,633,387	1,748,233	1,811,085	1,808,231	1,889,336	2,016,187	1,969,558	2,178,158
Mason County Transit	604,013	639,890	656,129	711,884	774,607	749,230	0	0	448,805	495,115
Pacific Transit System	331,651	332,451	336,598	332,735	333,837	319,532	0	336,960	254,720	255,122
Pierce Transit	0	0	0	0	0	0	0	0	0	0
Pullman Transit	326,108	350,893	344,790	352,403	363,517	354,149	382,063	419,154	342,353	0
RiverCities Transit	227,023	289,224	369,750	375,306	379,721	361,251	337,714	313,720	280,807	316,712
Skagit Transit	1,027,819	1,166,349	1,273,439	1,176,888	1,278,006	1,347,477	1,426,376	0	0	0
Spokane Transit Authority	0	0	0	0	0	0	0	0	0	0
Twin Transit	351,701	356,237	366,182	285,542	280,392	276,195	292,553	304,027	276,331	0
Valley Transit	360,981	351,899	362,526	310,448	380,852	336,296	348,378	349,160	232,815	254,537
Whatcom Transportation Authority	0	0	0	0	2,072,533	2,179,204	2,346,865	2,343,487	1,935,811	2,158,230
Yakima Transit	850,858	1,065,145	727,350	729,745	808,054	714,687	647,362	706,976	705,056	710,440
Total	17,035,649	17,377,678	16,668,317	16,854,441	31,688,322	23,177,706	19,281,186	19,020,927	18,572,929	29,420,728

Confidential Information for the sole benefit and use of PwC's Client

Washington State Transit Insurance Pool
UIM Mileage by Mode

	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
	<u>Paratransit/DR</u>									
Asotin PTBA	33,079	31,656	38,287	38,196	33,890	36,587	41,083	42,702	30,798	33,599
Ben Franklin Transit	2,091,282	2,301,204	2,366,725	2,178,655	2,419,885	2,445,151	0	0	1,572,516	1,415,665
Central Transit	0	0	0	0	0	0	0	0	0	0
Clallam Transit System	462,605	458,192	473,276	474,093	449,451	403,257	437,645	420,964	253,904	274,755
Columbia County Public Transportation	250,500	252,000	235,500	213,001	221,749	221,670	218,910	229,864	160,107	172,598
Community Transit	0	0	0	0	0	0	0	0	0	0
C-Tran	0	0	0	0	0	0	0	0	0	0
Everett Transit	599,662	548,389	619,331	630,494	555,488	626,370	643,577	765,023	343,518	332,589
Grant Transit Authority	131,249	172,536	111,936	113,322	147,228	180,266	96,000	0	0	0
Grays Harbor Transit	0	0	0	0	343,361	417,864	421,526	356,810	304,282	266,809
Intercity Transit	919,256	926,226	985,036	1,043,655	1,068,793	963,497	1,081,323	1,180,952	1,196,565	1,061,058
Island Transit	459,279	459,279	840,534	413,084	415,665	446,441	0	454,900	246,971	289,400
Jefferson Transit Authority	102,375	85,900	74,441	65,532	71,610	65,129	65,848	66,963	49,605	53,315
Kitsap Transit	1,356,258	1,356,575	1,406,263	1,425,366	1,396,342	1,368,657	1,418,718	1,487,652	945,246	1,100,212
Link Transit	365,359	249,215	270,487	266,897	259,872	240,858	207,050	265,130	196,625	297,109
Mason County Transit	321,953	315,347	349,605	364,373	382,233	323,818	0	0	221,181	291,896
Pacific Transit System	96,198	100,071	98,126	92,695	101,392	93,184	0	99,081	82,621	70,619
Pierce Transit	0	0	0	0	0	0	0	0	0	0
Pullman Transit	65,898	66,883	75,382	72,001	59,311	64,846	76,204	63,213	57,041	0
RiverCities Transit	0	0	211,693	217,143	200,709	215,097	224,543	236,721	126,275	129,961
Skagit Transit	379,884	328,115	327,735	378,861	394,086	403,452	383,016	0	0	0
Spokane Transit Authority	0	0	0	0	0	0	0	0	0	0
Twin Transit	42,967	44,627	62,565	61,658	55,197	36,710	33,068	27,950	16,660	0
Valley Transit	155,544	162,987	164,686	189,664	148,013	142,980	141,320	141,420	112,915	91,588
Whatcom Transportation Authority	784,069	834,706	901,076	944,418	969,513	1,031,483	1,053,020	1,087,923	660,507	811,840
Yakima Transit	431,586	466,291	461,578	418,529	402,814	384,450	357,545	312,542	184,733	224,817
Total	9,049,003	9,160,199	10,074,262	9,601,637	10,096,602	10,111,767	6,900,396	7,239,810	6,762,070	6,917,830

Washington State Transit Insurance Pool
UIM Mileage by Mode

	2012 <u>Admin</u>	2013 <u>Admin</u>	2014 <u>Admin</u>	2015 <u>Admin</u>	2016 <u>Admin</u>	2017 <u>Admin</u>	2018 <u>Admin</u>	2019 <u>Admin</u>	2020 <u>Admin</u>	2021 <u>Admin</u>
Asotin PTBA	12,741	11,539	11,277	7,994	13,805	4,856	5,360	7,063	4,412	3,200
Ben Franklin Transit	266,912	302,313	356,900	318,354	307,894	309,317	0	0	330,041	289,834
Central Transit	0	0	0	0	0	0	0	0	0	0
Clallam Transit System	0	0	0	0	96,198	133,999	137,652	126,881	136,236	120,644
Columbia County Public Transportation	0	0	0	0	0	0	0	3,674	750	4,379
Community Transit	0	0	0	0	0	0	0	0	0	729,397
C-Tran	0	0	0	0	0	0	0	0	0	0
Everett Transit	0	0	0	0	61,395	65,706	74,385	111,175	72,780	81,680
Grant Transit Authority	0	0	0	0	24,000	151,561	55,350	0	0	0
Grays Harbor Transit	0	0	0	0	48,640	49,415	50,386	56,956	59,517	65,576
Intercity Transit	148,979	217,865	148,043	153,985	156,960	308,948	255,425	300,388	173,539	210,516
Island Transit	287,986	266,509	176,835	179,182	328,320	123,580	0	145,849	149,671	83,070
Jefferson Transit Authority	34,035	27,644	34,572	28,715	27,994	29,406	24,829	30,096	38,130	37,094
Kitsap Transit	309,638	365,914	382,671	349,427	402,790	356,469	411,196	404,662	372,546	370,826
Link Transit	74,223	84,791	76,369	85,171	0	0	115,074	86,679	95,508	70,577
Mason County Transit	0	20,803	0	36,844	32,470	24,167	0	0	91,202	70,231
Pacific Transit System	19,000	18,041	0	28,303	0	0	0	34,067	25,691	14,702
Pierce Transit	0	0	0	0	0	0	0	0	0	0
Pullman Transit	0	0	0	0	0	0	30,286	25,605	20,009	0
RiverCities Transit	0	0	0	0	25,478	28,605	27,953	26,378	28,198	29,222
Skagit Transit	158,481	127,737	140,866	155,224	156,123	171,346	168,519	0	0	0
Spokane Transit Authority	0	0	0	0	0	0	0	0	0	0
Twin Transit	0	0	0	0	0	0	17,257	20,550	59,119	0
Valley Transit	37,959	39,448	27,274	50,701	36,798	20,964	31,237	31,964	24,376	28,175
Whatcom Transportation Authority	0	0	0	0	193,362	210,115	245,922	226,258	210,565	256,732
Yakima Transit	42,331	45,007	77,529	38,186	51,009	49,052	63,603	58,676	50,280	53,892
Total	1,392,285	1,527,611	1,432,336	1,432,086	1,963,236	2,037,506	1,714,434	1,696,921	1,942,570	2,519,747

Washington State Transit Insurance Pool
UIM Mileage by Mode

	2012 <u>Vanpool</u>	2013 <u>Vanpool</u>	2014 <u>Vanpool</u>	2015 <u>Vanpool</u>	2016 <u>Vanpool</u>	2017 <u>Vanpool</u>	2018 <u>Vanpool</u>	2019 <u>Vanpool</u>	2020 <u>Vanpool</u>	2021 <u>Vanpool</u>
Asotin PTBA	129,108	132,201	123,451	137,101	117,068	103,477	106,021	133,753	100,671	117,856
Ben Franklin Transit	4,357,289	4,046,851	4,081,934	3,845,508	3,631,726	3,541,621	3,630,822	3,677,482	1,488,135	1,129,064
Central Transit	0	0	0	0	0	0	0	0	0	0
Clallam Transit System	531,446	589,987	642,259	657,734	613,655	570,591	541,984	516,157	451,812	391,183
Columbia County Public Transportation	157,100	133,000	129,000	113,054	101,545	69,853	76,881	53,420	39,391	30,670
Community Transit	4,915,857	4,888,490	4,760,518	4,711,918	4,580,314	4,672,857	4,531,667	4,711,133	2,182,500	1,436,625
C-Tran	303,654	412,699	452,591	398,958	388,685	325,303	260,260	271,754	172,947	148,665
Everett Transit	49,081	0	0	44,015	0	8,984	0	0	0	0
Grant Transit Authority	250,982	273,965	268,045	277,496	257,718	245,529	258,268	259,283	66,682	52,687
Grays Harbor Transit	399,945	355,232	407,591	399,878	389,681	339,065	240,118	199,731	121,192	112,088
Intercity Transit	3,481,730	3,566,866	3,629,991	3,617,992	3,248,574	2,938,498	3,190,941	3,130,712	1,781,641	1,552,670
Island Transit	1,231,210	1,231,210	1,205,972	1,116,335	988,811	929,982	856,182	766,586	403,851	341,751
Jefferson Transit Authority	102,237	107,298	89,368	76,530	84,112	65,009	45,140	44,776	28,232	3,950
Kitsap Transit	1,102,159	961,185	1,058,252	960,552	819,381	879,459	776,515	663,918	433,852	363,569
Link Transit	0	0	0	0	0	0	0	0	0	0
Mason County Transit	292,889	280,854	293,437	217,701	195,298	323,993	128,908	112,665	63,678	22,536
Pacific Transit System	0	0	0	0	0	0	0	0	0	0
Pierce Transit	4,718,159	4,869,229	4,708,917	4,580,152	4,559,599	4,859,789	4,818,680	4,613,023	3,159,199	2,620,046
Pullman Transit	0	0	0	0	0	0	0	0	0	0
RiverCities Transit	0	0	0	0	6,592	0	0	0	0	0
Skagit Transit	933,137	1,071,918	1,126,682	1,068,314	1,037,565	999,579	1,075,592	1,085,851	679,177	599,815
Spokane Transit Authority	1,192,508	1,126,943	1,174,536	1,114,100	1,058,496	975,974	948,679	950,831	688,555	645,726
Twin Transit	0	0	0	0	0	0	0	0	0	0
Valley Transit	61,149	66,629	74,017	63,624	63,624	60,558	62,710	62,722	56,930	79,043
Whatcom Transportation Authority	687,091	693,971	589,493	518,812	460,430	396,942	449,683	244,302	158,609	123,988
Yakima Transit	579,887	462,706	383,121	343,317	314,252	275,975	289,181	274,253	60,594	31,691
Total	25,476,618	25,271,234	25,199,175	24,263,091	22,917,126	22,583,038	22,288,232	21,772,352	12,137,648	9,803,623

Washington State Transit Insurance Pool
Automobile Liability

Appendix A

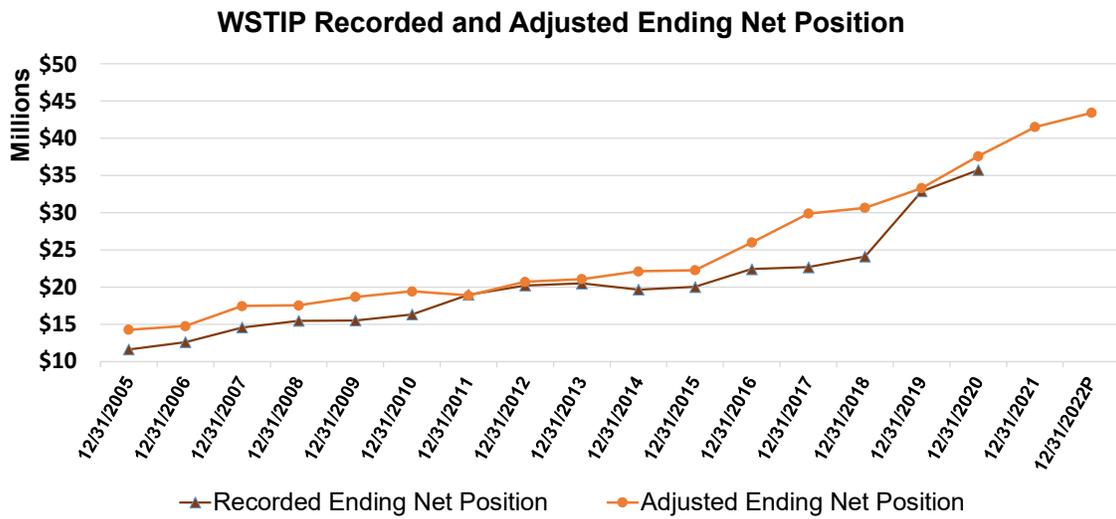
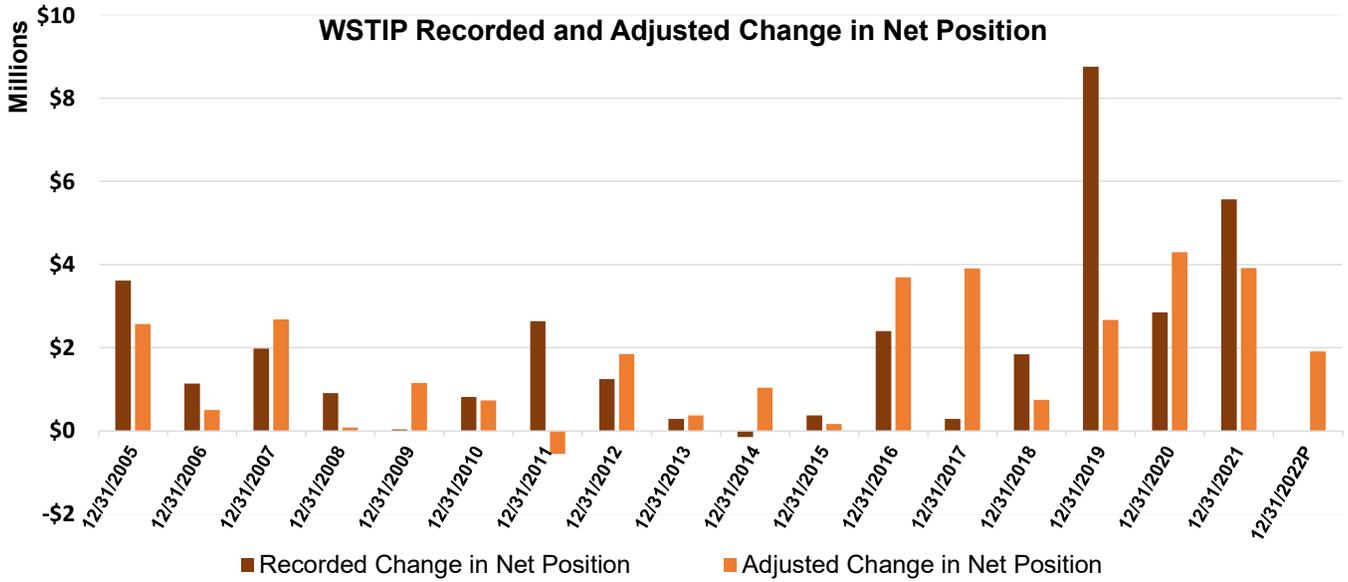
Estimated Claim Frequency, Severity and Loss per Exposure (AL)
As of June 30, 2022

Accident Year	Ultimate Loss Limited to \$1 Million	Ultimate Claims	Exposures	Claim Frequency (2) / (3)	Claim Severity (1) / (2)	Loss per Exposure (1) / (3)
	(1)	(2)	(3)	(4)	(5)	(6)
1989	\$ 269,382	121	14,925	0.008	\$ 2,226	\$ 18.049
1990	346,156	175	17,084	0.010	1,978	20.262
1991	401,823	173	20,065	0.009	2,323	20.026
1992	841,170	171	20,448	0.008	4,919	41.137
1993	1,355,520	196	22,570	0.009	6,916	60.058
1994	368,177	166	25,778	0.006	2,218	14.283
1995	1,253,688	209	30,895	0.007	5,999	40.579
1996	1,595,970	244	36,939	0.007	6,541	43.206
1997	982,360	202	38,650	0.005	4,863	25.417
1998	654,689	203	41,742	0.005	3,225	15.684
1999	1,006,796	232	43,736	0.005	4,340	23.020
2000	652,955	181	37,129	0.005	3,607	17.586
2001	971,336	199	38,150	0.005	4,881	25.461
2002	1,151,646	200	40,006	0.005	5,758	28.787
2003	631,008	196	44,389	0.004	3,219	14.215
2004	2,398,764	283	51,857	0.005	8,476	46.257
2005	1,780,888	334	61,326	0.005	5,332	29.040
2006	3,804,889	388	67,961	0.006	9,806	55.986
2007	1,826,824	412	70,253	0.006	4,434	26.004
2008	4,574,479	407	76,286	0.005	11,240	59.965
2009	3,199,461	444	78,025	0.006	7,206	41.006
2010	5,018,136	506	95,229	0.005	9,917	52.695
2011	6,380,318	497	102,405	0.005	12,838	62.305
2012	3,328,688	499	95,224	0.005	6,671	34.956
2013	5,644,733	539	97,531	0.006	10,473	57.876
2014	4,611,623	564	97,397	0.006	8,177	47.349
2015	4,583,318	479	97,244	0.005	9,569	47.132
2016	3,630,119	478	97,845	0.005	7,594	37.101
2017	4,341,414	551	98,331	0.006	7,879	44.151
2018	6,957,907	501	100,853	0.005	13,888	68.991
2019	6,800,000	453	104,939	0.004	15,011	64.800
2020	3,050,000	265	79,998	0.003	11,509	38.126
2021	3,600,000	228	79,812	0.003	15,789	45.106
2022	5,350,000	298	91,326	0.003	17,953	58.581
Total	\$ 93,364,237	10,994	2,116,348	0.005	\$ 8,492	\$ 44.116

1. Column (1) is from Exhibit 4-2, column (6).
2. Column (2) is from Exhibit 4-15, column (1).
3. Exposures are miles in thousands.

Confidential Information for the sole benefit and use of PwC's Client

PwC 2023 Rate Level Review as of 2022-06-30 on 2022-11-07



Washington State Transit Insurance Pool
Vanpool Medical Expense
As of June 30, 2022

Summary of Net Losses and Reserves - Net of Deductibles

Accident Year	<u>Paid Loss</u> (1)	<u>Case Loss Reserves</u> (2)	<u>Incurred Loss</u> <u>(1)+(2)</u> (3)
1992	\$ -	\$ -	\$ -
1993	-	-	-
1994	-	-	-
1995	-	-	-
1996	-	-	-
1997	-	-	-
1998	-	-	-
1999	-	-	-
2000	727	-	727
2001	-	-	-
2002	-	-	-
2003	-	-	-
2004	-	-	-
2005	-	-	-
2006	588	-	588
2007	4,266	-	4,266
2008	13,295	-	13,295
2009	9,556	-	9,556
2010	6,335	-	6,335
2011	9,212	-	9,212
2012	10,621	-	10,621
2013	3,225	-	3,225
2014	19,234	-	19,234
2015	5,949	-	5,949
2016	2,749	-	2,749
2017	17,982	-	17,982
2018	27,107	-	27,107
2019	14,726	2,748	17,474
2020	3,390	-	3,390
2021	11,269	8,731	20,000
2022	34,614	25,386	60,000
Total	\$194,845	\$36,865	\$231,710

Confidential Information for the sole benefit and use of PwC's Client

Washington State Transit Insurance Pool
2023-24 First Party Losses Gross of Deductibles

(1) Auto Physical Damage Ultimate Loss Net of Deductible:	\$847,000
(2) Average APD Deductible Credit	0.432
(3) APD Ultimate Loss Gross of Deductible (1) / [1 - (2)]	1,490,000
(4) Property Ultimate Loss Net of Deductible:	\$120,000
(5) Average Property Deductible Credit	0.245
(6) Property Ultimate Loss Gross of Deductible (4) / [1 - (5)]	159,000

1. Lines (1) and (4) are from exhibit section 3.
2. Lines (3) and (6) are rounded to the nearest thousand.

Washington State Transit Insurance Pool
 Calculation of Deductible Factors for 2023-24

Auto Physical Damage

<u>Deductible</u> (1)	<u>Deductible Credits</u> <u>(Loss Elimination Ratios)</u> (2)	<u>Risk Load</u> (3)	<u>Deductible Credit</u> <u>Adjusted for Risk Load</u> <u>(2) x [1 - (3)]</u> (4)	<u>Loss Portion</u> <u>of Gross Rate</u> (5)	<u>Non-Loss</u> <u>Portion of Gross Rate</u> <u>1 - (5)</u> (6)	<u>Deductible Factors</u> <u>(6) + [1 - (4)] x (5)</u> (7)
\$0	0.000	15.0%	0.000	54.8%	45.2%	1.000
5,000	0.350	15.0%	0.298	54.8%	45.2%	0.837
10,000	0.477	15.0%	0.406	54.8%	45.2%	0.778
25,000	0.634	15.0%	0.539	54.8%	45.2%	0.705
50,000	0.758	15.0%	0.644	54.8%	45.2%	0.647

Property

<u>Deductible</u> (1)	<u>Deductible Credits</u> <u>(Loss Elimination Ratios)</u> (2)	<u>Risk Load</u> (3)	<u>Deductible Credit</u> <u>Adjusted for Risk Load</u> <u>(2) x [1 - (3)]</u> (4)	<u>Loss Portion</u> <u>of Gross Rate</u> (5)	<u>Non-Loss</u> <u>Portion of Gross Rate</u> <u>1 - (5)</u> (6)	<u>Deductible Factors</u> <u>(6) + [1 - (4)] x (5)</u> (7)
\$0	0.000	15.0%	0.000	7.9%	92.1%	1.000
5,000	0.169	15.0%	0.143	7.9%	92.1%	0.989
10,000	0.246	15.0%	0.209	7.9%	92.1%	0.984
25,000	0.389	15.0%	0.330	7.9%	92.1%	0.974
50,000	0.537	15.0%	0.456	7.9%	92.1%	0.964

1. The risk load in column (3) is based on discussions with WSTIP management regarding the profitability of the deductible layer.
2. Deductible credits for both property and auto physical damage are estimated at the \$250,000 self-insured retention level.
3. Column (5) is estimated using the projected 2023-24 property and auto physical damage losses and assuming all other rating components remain unchanged from 2022-23.