



DRAFT MINUTES

LOSS TRUST FUND BOARD MEETING

TELEPHONIC

March 11, 2021

5:00 p.m.

PRESENT: Richard O'Connor, Chair
Suzanne Welch, Vice Chair
Dominic Bilotti
Brandon Perlow
Allan Smith

STAFF: Lori Davis, Senior City Attorney
George Woods, Acting Director of Risk Management, Claims Manager
Lauran Beebe, Human Resources Manager
Denise Plug, Risk Management Assistant

GUESTS: Charlie Broucek, Hays Companies

CALL TO ORDER

Chair O'Connor called the meeting of the Loss Trust Fund Board to order at 5:05 p.m.

ROLL CALL

A formal roll call confirmed the presence of Board Members as stated above.

1. Approval of the December 3, 2020 public meeting minutes

Chair O'Connor called for questions or comments. There were no changes.

BOARD MEMBER PERLOW MOVED TO APPROVE THE DECEMBER 2, 2020 PUBLIC MEETING MINUTES AS PRESENTED. BOARD MEMBER SMITH SECONDED THE MOTION, WHICH CARRIED FOUR (4) TO ZERO (0). CHAIR O'CONNOR AND BOARD MEMBERS BILOTTI, PERLOW AND SMITH VOTED IN THE AFFIRMATIVE. THERE WERE NO DISSENTING VOTES. VICE CHAIR WELCH WAS EXPERIENCING TECHNICAL DIFFICULTIES.

2. Election of Chair and Vice Chair

Chair O'Connor noted that he is no longer eligible to remain as Chair, having served two consecutive years. Board Member Smith volunteered to serve as Vice Chair. Board Member Perlow volunteered to serve as Chair.

BOARD MEMBER PERLOW VOLUNTEERED TO SERVE AS CHAIR. THREE (3) OTHER BOARD MEMBERS APPROVED. THERE WERE NO DISSENTING VOTES. VICE CHAIR WELCH WAS EXPERIENCING TECHNICAL DIFFICULTIES.

Election of a Vice Chair was tabled until current Vice Chair Welch was present and could confirm she no longer wished to serve.

Board Member Perlow assumed the chair for the remainder of the meeting.

3. Review and Discuss Fiscal Year 2021/22 medical plan premiums

Charlie Broucek, Hays Companies, stated that there is a 6 percent increase projection over the current rate. On a per category basis, the increases are nearly flat on a year over year basis, even after applying a medical trend of 7.3 percent and an Rx trend of 9.7 percent. There has been a slight increase to admin expenses of 8.8 percent. A new CIGNA program this year allows the City to capitate some large dollar costs that could potentially come in on the plan related to two specialty drugs. CIGNA is expanding the list. The City purchases a \$325,000 individual stop loss policy, which is increasing 12.6 percent. New programs are being added for 2021, including diabetic test strips at no cost to employees, pregnancy program and hearing aid benefit. Last year's renewal rate was 5.87 percent and the plan is running at a 90 percent loss ratio and a 10 percent surplus.

The Affordable Care Act had some taxes and fees that had been sunsetted and one of these is coming back. It will not be considered in underwriting, as the government says the City cannot share in the cost with employees. Large claim activity was reviewed, normalized and trended forward. There are three projection methodologies, including normalization method 1, which is the most thorough, conservative approach in normalizing high case activity. Blending time periods is method 2, which is a traditional carrier underwriting. Method 3 is a rolling 12. The concern with this method is that COVID created dynamics in terms of delays in elective procedures.

Board Member Smith asked how COVID impacts have been normalized in the first two methods. Mr. Broucek stated that while not 100 percent tied to COVID activity, normalization allows the City to look at large claim activity and normalized what

happened versus what should have happened. From an underwriting projection standpoint, COVID really only affects the last 12 months (rolling 12). The normalization takes care of the first and second halves of 2020.

Mr. Broucek addressed the preferred method, which holds a total of 5,202 total members derived of 2,114 employees. The total cost per month is \$2.8 million or \$33.6 million annualized. This compares to an outgoing budget of \$33.4 million, which forms a 0.63 percent renewal.

Chair Perlow addressed the stop loss difference between \$325,000 and \$350,000 and asked how many times there has been a claim between these amounts. Mr. Broucek stated that in looking at the last full year of the seven individuals that reached \$300 in this period of time, three went all the way to \$350,000. The database is examined to determine the expected liability between the two thresholds and whether the premium tradeoff is great enough to make the change. Luran Beebe, Human Resources Manager, added that this was reviewed this year. It was determined to be a small dollar amount and not worth an increase to \$350,000. She undertook to provide details of how many claims would have met the \$325,000 threshold last year.

Mr. Broucek reviewed the current enrollment on five-plan basis and the projected plan on by-plan and by-tier basis.

Reporter's note: Mr. Broucek's connection was lost and Ms. Beebe assumed the presenter role.

Ms. Beebe reviewed the enrollment numbers and rates to arrive at the fully funded amount of \$33.4 million. In terms of the 0.6 percent increase, the same enrollment figures are used for the current year. In past years during a period of high rate increase, the City chose to split the difference with the employees of approximately 78 percent for the City and 22 percent employee share. Over the past year, they have returned to a more rounded percentage of 80/20 for OAP in-network. OAP and HSAs have higher deductibles and more risk, which means employees pay a lower share. The Total Benefits Advisory Committee, consisting of City employees, requested the small plan design changes including diabetic supplies, hearing aids and healthy babies/healthy pregnancy program, as well as a recommendation for a flat rate increase. This is the first year that a flat rate increase is being recommended.

The wellness program will continue. This year, instead of awarding \$120 for employees and \$120 for spouse to complete the HRA, they will instead receive a preventive care visit with their doctor. The blood pressure incentive will continue, as will the tobacco surcharge of \$10 per paycheck. A new incentive will encourage dental visits. While the overall dental care cost is increasing by \$50,000, there is no recommended increase for employees.

Chair Perlow asked about the dental incentive. Ms. Beebe said it will include a \$50 bonus for a first cleaning and \$50 for a second cleaning.

It is anticipated that more significant supplies of the Johnson & Johnson vaccine will be available to City employees beginning in April. Arizona predicts that all residents who wish to be vaccinated will have access by June 1st. Once the process is complete, the City will have a process for those working from home to transition back to work locations.

In response to a question from Chair Perlow, Ms. Beebe said that there have been discussions regarding incentivizing employees to get the vaccine. They decided against this, as those who choose not to receive the vaccine for religious reasons or who have a note from their doctor preventing the shot, would have to also be provided with the incentive. Offering an incentive will not likely convince those who are against the vaccine. The vaccine seems to be a more polarizing issue than the example of preventive dental care.

Board Member Smith asked about the methods for communicating vaccine availability with employees. Ms. Beebe discussed the relationship with vaccine partner Walgreens. The City issues a daily COVID email with updates on vaccine availability and appointments.

4. Administrative report and discussion on the current state of risk management, new initiatives and philosophy, safety and partnerships and recap of the January 28, 2021 meeting with the Industrial Commission of Arizona

George Woods, Acting Director of Risk Management, Claims Manager, stated that the Triage Now contract has been signed and available to employees since February 1st. Utilization of services has begun. There has been a significant decrease in injury claims in February. The Industrial Commission of Arizona said it would like to see a quarterly or periodic update on the experience modification rate. The learning management system will be up and running shortly. The City's property insurance rate is expected to increase significantly (30 to 35 percent), as a result of the fires in January and the loss of nine garbage trucks and a partial loss to three other trucks. There is great success in the police department quarter to quarter, with a 33 percent reduction in liability claims and preventable accidents compared to the first quarter and a 62.5 percent reduction over the second quarter. From a worker's compensation perspective, there has been a reduction in the number of injury claims currently, however, there is an uptick in regards to reopens and surgeries. A meeting is scheduled next week with a tactical ergonomics vendor. It is hoped that they will have suggestions to assist in alleviating injury claims. There are ongoing discussions with the police department regarding the percentage of injuries resulting from altercations and arrests. There may be a need for increased reality-based training.

In response to a question from Board Member Smith, Mr. Woods stated that as the state begins to open back up, there is increased activity, particularly from a tourist standpoint. Included in the slight uptick are trip and falls and liability in terms of contact with third party vehicles or non-City-owned vehicles. Of more concern is the need to address preventable accidents.

Board Member Smith discussed events and sentiments over the past year, including social issues regarding defunding of police and asked about impacts in the City. Mr. Woods stated that in speaking to the City Manager, the City will not support or recommend that the department be defunded in any way. The Use of Force Review Board determines which events or actions fall within established policies and procedures. The City is looking to include additional citizens on the Use of Force Review Board. Such events are also reviewed by the risk management and legal departments.

Board Member Smith asked about specific training for use of force in mental health cases. Mr. Woods stated that he would prefer to consult the Chief of Police and the communications department to provide a complete response.

5. Review, discuss and take action on 2020 Board and Commission Annual Report summary

Mr. Woods presented the annual report summary. No corrections or concerns were noted. Chair Perlow invited a motion.

BOARD MEMBER SMITH MOVED TO APPROVE 2020 ANNUAL REPORT SUMMARY AS PRESENTED. VICE CHAIR WELCH SECONDED THE MOTION, WHICH CARRIED FIVE (5) TO ZERO (0). CHAIR PERLOW, VICE CHAIR WELCH AND BOARD MEMBERS BILOTTI, O'CONNOR, AND SMITH VOTED IN THE AFFIRMATIVE. THERE WERE NO DISSENTING VOTES.

OPEN CALL TO THE PUBLIC

No comments were submitted.

ELECTION OF VICE CHAIR

Vice Chair Welch stated her belief that her six-year tenure as a Board Member ends in January 2022. Since there is only one meeting between now and then, she would be happy to have Board Member Smith assume the Vice Chair position at this time in order that he gain experience. Board Member Smith accepted the nomination. Chair Perlow called for a vote.

BOARD MEMBER SMITH VOLUNTEERED TO SERVE AS VICE CHAIR. ALL FIVE (5) BOARD MEMBERS APPROVED. THERE WERE NO DISSENTING VOTES.

ADJOURNMENT

BOARD MEMBER BILOTTI MOVED TO ADJOURN. CHAIR PERLOW SECONDED THE MOTION, WHICH CARRIED FIVE (5) TO ZERO (0). CHAIR PERLOW, VICE CHAIR SMITH, BOARD MEMBERS BILOTTI, O'CONNOR, AND WELCH VOTED IN THE AFFIRMATIVE. THERE WERE NO DISSENTING VOTES.

With no further business to discuss, being duly moved and seconded, the meeting adjourned at 6:14 p.m.

Recorded and Transcribed by eScribers, LLC.



City of Scottsdale, Arizona

**Actuarial Study of the Self-Insured
Workers Compensation,
General Liability, Automobile Liability,
Property and Automobile Physical Damage
Programs as of June 30, 2021**

Issue Date: September 21, 2021

17875 Von Karman Avenue, Suite 300
Irvine, CA 92614
tel: 949.608.6300 • fax: 949.608.6475 • www.aon.com
Aon Risk Solutions | Global Risk Consulting | Actuarial and Analytics



September 21, 2021

City of Scottsdale
7447 E. Indian School Rd. Suite 225
Scottsdale, Arizona 85251

Attn: Mr. George Woods
Risk Management Director

**Actuarial Study of the Self-Insured
Workers Compensation,
General Liability, Automobile Liability,
Property and Automobile Physical Damage
Programs as of June 30, 2021**

This study has been completed for the City of Scottsdale, Arizona, for the specific objectives listed in the study. It contains the analysis and conclusions of our work.

Each section and appendix of the study is an integral part of the whole. We recommend a review of the entire study prior to reliance upon this study.

No key personnel have a relationship with the City of Scottsdale, Arizona, that may impair our objectivity.

Please call if you have any questions. Thank you for the opportunity to be of service.

Respectfully submitted,

Aon Risk Consultants, Inc.

Ziruo Wang, FCAS, MAAA
Senior Consultant and Actuary

Michael Pehl
Actuarial Analyst

ZW:MP

X:\Clients\Actuarial\S\Scottsdale, City of 463\2021_06_30\Report\Scottsdale_063021.doc



Table of Contents

I.	Background	1
II.	Objectives	4
III.	Conclusions	5

Appendices

A	Conditions and Limitations
B	Glossary of Actuarial Terms
C	Exhibits

I. Background

The City of Scottsdale (the City) established the self-insurance program on July 1, 1978. Coverages include workers compensation, general liability (inclusive of professional errors & omissions), automobile liability, property and automobile physical damage. On July 1, 2005, the City began providing coverage for the fire department. The scope of this actuarial analysis does not specifically address environmental liability. We recommend the City collect statistics on this potentially expensive coverage.

Since the inception of the program, the City has purchased excess of loss insurance for workers compensation, general liability, automobile liability, and property. Table I-1 is a summary of the self-insured retentions.

**Table I-1
Self-Insured Retention**

Claim Period (1)	Workers Compensation (2)	General Liability and Automobile Liability (3)	Property (4)	Automobile Physical Damage (5)
07/01/78 to 06/30/80	\$250,000	\$250,000	\$25,000	Unlimited
07/01/80 to 06/30/81	250,000	100,000	25,000	Unlimited
07/01/81 to 06/30/82	200,000	100,000	25,000	Unlimited
07/01/82 to 06/30/85	150,000	100,000	25,000	Unlimited
07/01/85 to 06/30/86	150,000	250,000	25,000	Unlimited
07/01/86 to 06/30/87	175,000	250,000	25,000	Unlimited
07/01/87 to 06/30/88	175,000	1,000,000	25,000	Unlimited
07/01/88 to 06/30/89	250,000	1,000,000	25,000	Unlimited
07/01/89 to 06/30/95	300,000	1,000,000	25,000	Unlimited
07/01/95 to 06/30/96	300,000	1,000,000	50,000	Unlimited
07/01/96 to 06/30/02	250,000	1,000,000	50,000	Unlimited
07/01/02 to 06/30/03	400,000	2,000,000	100,000	Unlimited
07/01/03 to 06/30/06	600,000	2,000,000	100,000	Unlimited
07/01/06 to 06/30/11	750,000	2,000,000	100,000	Unlimited
07/01/11 to 06/30/12	850,000	2,000,000	100,000	Unlimited
07/01/12 to present	1,000,000	2,000,000	100,000	Unlimited

Note: Above information provided by the City.

We assumed the City will maintain the current insurance coverage through 2026/27. A review of the collectability of the excess insurance was not within our review.



Data

Workers compensation, general liability, automobile liability, automobile physical damage, and property data valued as of June 30, 2021 was provided to us by the City.

The City provided 2020/21 payroll. The payroll information for years prior to 2020/21 we relied on the figures provided for the study as of June 30, 2020 (Prior Study). Projected payroll for 2021/22 through 2026/27 is based on a 2% trend as instructed by the City in the prior study. For vehicle count and property values, we relied on the prior study, and applied a 1% trend for the projected years.

For general liability, automobile liability, property, and automobile physical damage, claim counts exclude \$0 claims. Since all claim numbers were unique, we assumed non-workers compensation claims are provided by occurrence and applied the appropriate self-insured retention to each claim.

In conducting this analysis, we relied upon the provided data without audit or independent verification; however, we reviewed it for reasonableness and consistency. Any inaccuracies in quantitative data or qualitative representations could have a significant effect on the results of our review and analysis. Any material discrepancies discovered in the loss data by the City or any other parties should be reported to us immediately, and if warranted, we will make appropriate amendments to the report.



COVID-19

The potential short- and long-term impacts of the COVID-19 pandemic and the ensuing economic recession are currently unknown. However, considerations for the County regarding this emerging risk include:

Due to the stay-at-home orders, the exposure to the claims is reduced.

We recommend the County consult with its claims professionals and legal counsel to ascertain any potential risk for COVID-19 claims.

To reflect the impact on the 2019/20 and 2020/21 projected losses. Claim frequency was assumed to have the following reductions:

- For workers compensation, 30% frequency reduction for March through June 2020 and 20% reduction for July 2020 to June 2021, based on the limited available claim data from other similar clients and the City's historical reported claims by month. We applied a risk-adjustment factor of 0.89 to the 2019/20 payroll and a risk-adjustment factor of 0.8 to the 2020/21 payroll to reflect the lower expected claims for these years.
- For general liability, automobile liability, automobile physical damage, and property programs, we did not adjust the exposure.

Adjustments stated above are based on the limited claim frequency data available at this time. Due to the uncertainty of the COVID-19 pandemic, our estimate of the projected losses for 2020/21 is subject to more uncertainty than usual.

In addition, there is significant uncertainty regarding the impact of COVID-19 and any potential legislation, executive orders, or stay-at home orders on 2021/22 and subsequent years' claims. As such, we made no adjustment to the 2021/22 and subsequent years' estimates for COVID-19. The actual emerged claim experience may differ significantly from the estimates projected in this report.



II. Objectives

The specific objectives of this study are the following:

1. **Estimate Outstanding Losses.** Estimate outstanding losses (including ALAE) as of June 30, 2021.

The estimated outstanding losses are the cost of unpaid claims. The estimated outstanding losses include case reserves and the development of known claims and IBNR claims. ALAE are the direct expenses for settling specific claims. The amounts are limited to the self-insured retention.

2. **Project Ultimate Limited Losses.** Project ultimate limited losses (including ALAE) for 2021/22 and five subsequent claim periods.

The projected ultimate limited losses are the losses incurred during each claim period, regardless of report or payment date. The amounts are limited to the self-insured retention.

3. **Project Losses Paid.** Project losses paid during the 2021/22 and five subsequent claim periods.

The projected losses paid are claim disbursements during each claim period, regardless of accident or report date. The amounts are limited to the self-insured retention.

4. **Recommend Fund Balances.** Recommend fund balances at the beginning of 2021/22 and five subsequent claim periods.

The recommended fund balances are based on the full value and present value of the estimated outstanding losses.

5. **Project Ultimate Claims.** Project the number of ultimate claims for 2021/22 and five subsequent claim periods.

The projected ultimate claims are the claims reported by claim period.

6. **Size of Loss Distribution Analysis.** Analyze the distribution of losses in various layers.



III. Conclusions

1. Estimate Outstanding Losses

We estimate outstanding losses as of June 30, 2021 as shown in Table III-1A.

**Table III-1A
Estimated Outstanding Losses
June 30, 2021**

Program (1)	Estimated Outstanding Losses (2)	Present Value of Estimated Outstanding Losses (3)
(A) Workers compensation	\$15,005,987	\$13,940,449
(B) General liability	4,272,044	4,206,900
(C) Automobile liability	969,080	961,716
(D) Property	132,457	131,591
(E) Automobile physical damage	277,345	275,752
(F) Total (A)...(E)	\$20,656,913	\$19,516,408

Note: (A) is from Exhibit WC-11.
(B) is from Exhibit GL-11.
(C) is from Exhibit AL-11.
(D) is from Exhibit PR-11.
(E) is from Exhibit APD-11.

The present value of the estimated outstanding losses is the unpaid claims discounted to reflect future investment income. A 1.0% interest rate was assumed, as affirmed by the City.

The estimated outstanding losses reflect the excess insurance maintained by the City.

All non-claim expenses are additional.

The estimated outstanding losses do not include outstanding unallocated loss adjustment expenses (ULAE). ULAE are primarily composed of future claims administration for open claims. Outstanding ULAE are typically 5% to 10% of estimated outstanding losses.

Table III-1B
Change in Estimated Outstanding Losses
June 30, 2020 to June 30, 2021

Program (1)	Estimated Outstanding Losses as of 06/30/21 (2)	Estimated Outstanding Losses as of 06/30/20 (3)	Change in Estimated Outstanding Losses (2) - (3) (4)
(A) Workers compensation	\$15,005,987	\$15,056,846	(\$50,859)
(B) General liability	4,272,044	3,378,838	893,206
(C) Automobile liability	969,080	1,059,986	(90,906)
(D) Property	132,457	20,973	111,484
(E) Automobile physical damage	277,345	117,046	160,299
(F) Total (A)...(E)	\$20,656,913	\$19,633,689	\$1,023,224

Note: (2) is from Table III-1A
(3) is from the Prior Study.

The total estimated outstanding losses increased by about \$1.0 million from \$19.6 million as of June 30, 2020 to \$20.6 million as of June 30, 2021. This change is mainly due to the general liability program.

The general liability estimated outstanding losses increased by \$0.9 million compared to our prior estimate as of June 30, 2020, which was \$3.4 million. The change of the general liability estimated outstanding losses can be broken into the following components:

- +\$2.6 million from the additional year (2020/21) of exposure,
- -\$1.4 million for claim payments made during 2020/21, and
- -\$0.2 million due to a change in projected ultimate losses for claim periods 2019/20 and prior.

A reconciliation of the outstanding losses change for each program can be found in Table III-1Ci to III-1Cv.

Table III-1Ci
Reconciliation of Estimated Outstanding Losses
June 30, 2020 to June 30, 2021
(Workers Compensation)

Claim Period (1)	Item (2)	Amount (3)
(A) Through 2019/20	(i) Estimated outstanding losses as of 6/30/20	\$15,056,846
	(ii) Losses paid during 2020/21	(2,622,028)
	(iii) Change in projected ultimate limited losses for claim periods 2019/20 and prior: • (Aiii) is -0.6% of the total projected ultimate losses	(365,282)
	(iv) Estimated outstanding losses as of 6/30/21 (Ai) + (Aii) + (Aiii)	\$12,069,536
(B) 2020/21	(i) Projected ultimate limited losses	\$4,060,000
	(ii) Losses paid during 2020/21	(1,123,550)
	(iii) Estimated outstanding losses as of 06/30/21 (Bi) + (Bii)	\$2,936,450
(C) Total (Aiv) + (Biii)	(i) Estimated outstanding losses as of 06/30/21	\$15,005,986

Table III-1Cii
Reconciliation of Estimated Outstanding Losses
June 30, 2020 to June 30, 2021
(General Liability)

Claim Period (1)	Item (2)	Amount (3)
(A) Through 2019/20	(i) Estimated outstanding losses as of 6/30/20	\$3,378,838
	(ii) Losses paid during 2020/21	(1,296,804)
	(iii) Change in projected ultimate limited losses for claim periods 2019/20 and prior: • (Aiii) is -0.5% of the total projected ultimate losses	(244,445)
	(iv) Estimated outstanding losses as of 6/30/21 (Ai) + (Aii) + (Aiii)	\$1,837,589
(B) 2020/21	(i) Projected ultimate limited losses	\$2,562,000
	(ii) Losses paid during 2020/21	(127,545)
	(iii) Estimated outstanding losses as of 06/30/21 (Bi) + (Bii)	\$2,434,455
(C) Total (Aiv) + (Biii)	(i) Estimated outstanding losses as of 06/30/21	\$4,272,044

Table III-1Ciii
Reconciliation of Estimated Outstanding Losses
June 30, 2020 to June 30, 2021
(Automobile Liability)

Claim Period (1)	Item (2)	Amount (3)
(A) Through 2019/20	(i) Estimated outstanding losses as of 6/30/20	\$1,059,986
	(ii) Losses paid during 2020/21	(336,097)
	(iii) Change in projected ultimate limited losses for claim periods 2019/20 and prior: • (Aiii) is -1.3% of the total projected ultimate losses	(142,798)
	(iv) Estimated outstanding losses as of 6/30/21 (Ai) + (Aii) + (Aiii)	\$581,091
(B) 2020/21	(i) Projected ultimate limited losses	\$482,000
	(ii) Losses paid during 2020/21	(94,012)
	(iii) Estimated outstanding losses as of 06/30/21 (Bi) + (Bii)	\$387,988
(C) Total (Aiv) + (Biii)	(i) Estimated outstanding losses as of 06/30/21	\$969,079

Table III-1Civ
Reconciliation of Estimated Outstanding Losses
June 30, 2020 to June 30, 2021
(Property)

Claim Period (1)	Item (2)	Amount (3)
(A) Through 2019/20	(i) Estimated outstanding losses as of 6/30/20	\$20,973
	(ii) Losses paid during 2020/21	(15,048)
	(iii) Change in projected ultimate limited losses for claim periods 2019/20 and prior: • (Aiii) is 1.6% of the total projected ultimate losses	42,108
	(iv) Estimated outstanding losses as of 6/30/21 (Ai) + (Aii) + (Aiii)	\$48,033
(B) 2020/21	(i) Projected ultimate limited losses	\$316,000
	(ii) Losses paid during 2020/21	(231,575)
	(iii) Estimated outstanding losses as of 06/30/21 (Bi) + (Bii)	\$84,425
(C) Total (Aiv) + (Biii)	(i) Estimated outstanding losses as of 06/30/21	\$132,458

Table III-1Cv
Reconciliation of Estimated Outstanding Losses
June 30, 2020 to June 30, 2021
(Automobile Physical Damage)

Claim Period (1)	Item (2)	Amount (3)
(A) Through 2019/20	(i) Estimated outstanding losses as of 6/30/20	\$117,046
	(ii) Losses paid during 2020/21	(110,621)
	(iii) Change in projected ultimate limited losses for claim periods 2019/20 and prior: <ul style="list-style-type: none"> • (Aiii) is 0.4% of the total projected ultimate losses 	21,542
	(iv) Estimated outstanding losses as of 6/30/21 (Ai) + (Aii) + (Aiii)	\$27,967
(B) 2020/21	(i) Projected ultimate limited losses	\$455,000
	(ii) Losses paid during 2020/21	(205,624)
	(iii) Estimated outstanding losses as of 06/30/21 (Bi) + (Bii)	\$249,376
(C) Total (Aiv) + (Biii)	(i) Estimated outstanding losses as of 06/30/21	\$277,343



The estimated outstanding losses include case reserves and the development of known claims and IBNR claims. Based on our studies of similar programs, we estimate the IBNR claims to be approximately 10% of the development of claims. The components of the estimated outstanding losses are as shown in Table III-1D.

Table III-1D
Components of Estimated Outstanding Losses
June 30, 2021

Program (1)	Limited Case Reserves (2)	Limited Case Reserve Development [90.0% of (5) - (2)] (3)	IBNR [10.0% of (5) - (2)] (4)	Estimated Outstanding Losses (5)
(A) Workers compensation	\$7,904,211	\$6,391,598	\$710,178	\$15,005,987
(B) General liability	1,627,044	2,380,500	264,500	4,272,044
(C) Automobile liability	605,190	327,501	36,389	969,080
(D) Property	109,630	20,544	2,283	132,457
(E) Automobile physical damage	159,230	106,304	11,812	277,345
(F) Total (A)...(E)	\$10,405,305	\$9,226,447	\$1,025,161	\$20,656,913

Note: (2) was provided by the City.
(5) is from Table III-1A.



2. Project Ultimate Limited Losses

We project ultimate limited losses for 2021/22 and five subsequent claim periods to be as shown in Tables III-2A and 2B.

**Table III-2A
Projected Ultimate Limited Losses
2021/22 to 2026/27**

Program (1)	2021/22 (2)	2022/23 (3)	2023/24 (4)	2024/25 (5)	2025/26 (6)	2026/27 (7)
(A) Workers compensation	\$4,421,000	\$4,599,000	\$4,785,000	\$4,979,000	\$5,180,000	\$5,389,000
(B) General liability	2,530,000	2,632,000	2,739,000	2,849,000	2,964,000	3,084,000
(C) Automobile liability	386,000	405,000	425,000	447,000	469,000	493,000
(D) Property	200,000	206,000	213,000	219,000	226,000	233,000
(E) Automobile physical damage	337,000	354,000	372,000	391,000	410,000	431,000
(F) Total (A)...(E)	\$7,874,000	\$8,196,000	\$8,534,000	\$8,885,000	\$9,249,000	\$9,630,000

Note: (A), (B), (C), (D) and (E) are from Exhibits WC-10, GL-10, AL-10, PR-10 and APD-10, respectively.

**Table III-2B
Present Value of Projected Ultimate Limited Losses
2021/22 to 2026/27**

Program (1)	2021/22 (2)	2022/23 (3)	2023/24 (4)	2024/25 (5)	2025/26 (6)	2026/27 (7)
(A) Workers compensation	\$4,197,000	\$4,367,000	\$4,543,000	\$4,727,000	\$4,918,000	\$5,116,000
(B) General liability	2,462,000	2,561,000	2,665,000	2,772,000	2,884,000	3,001,000
(C) Automobile liability	381,000	400,000	420,000	441,000	464,000	487,000
(D) Property	199,000	205,000	211,000	218,000	224,000	231,000
(E) Automobile physical damage	334,000	351,000	369,000	387,000	407,000	427,000
(F) Total (A)...(E)	\$7,573,000	\$7,884,000	\$8,208,000	\$8,545,000	\$8,897,000	\$9,262,000

Note: (A), (B), (C), (D) and (E) are from Exhibits WC-10, GL-10, AL-10, PR-10 and APD-10, respectively.

The present value of the projected ultimate limited losses is based on a 1.0% interest rate, as affirmed by the City.

The projected ultimate limited losses reflect the excess insurance maintained by the City.

All non-claim expenses are additional.

Table III-2Ci
Projected Ultimate Limited Losses Comparison
Current 2021/22 V.S. Prior 2020/21
(Workers Compensation)

Claim Period (1)	Projected Payroll (000) (2)	Loss Rate per \$100 of Payroll (3)	Projected Ultimate Losses (4)
(A) 2020/21 (prior study)	\$182,437	\$2.38	\$4,343,000
(B) 2021/22 (current study)	180,144	\$2.45	4,421,000
(C) Change (B) - (A)	(\$2,293)	\$0.07	\$78,000

The projected ultimate losses increased by \$78,000, about 1.8%, from 2020/21 (prior study) to 2021/22 (current study). This change consists of a 1.3% decrease in Payroll and a 3.1% increase in loss rate.

Table III-2Cii
Projected Ultimate Limited Losses Comparison
Current 2021/22 V.S. Prior 2020/21
(General Liability)

Claim Period (1)	Projected Payroll (000) (2)	Loss Rate per \$100 of Payroll (3)	Projected Ultimate Losses (4)
(A) 2020/21 (prior study)	\$182,437	\$1.44	\$2,624,000
(B) 2021/22 (current study)	180,144	\$1.40	2,530,000
(C) Change (B) - (A)	(\$2,293)	(\$0.03)	(\$94,000)

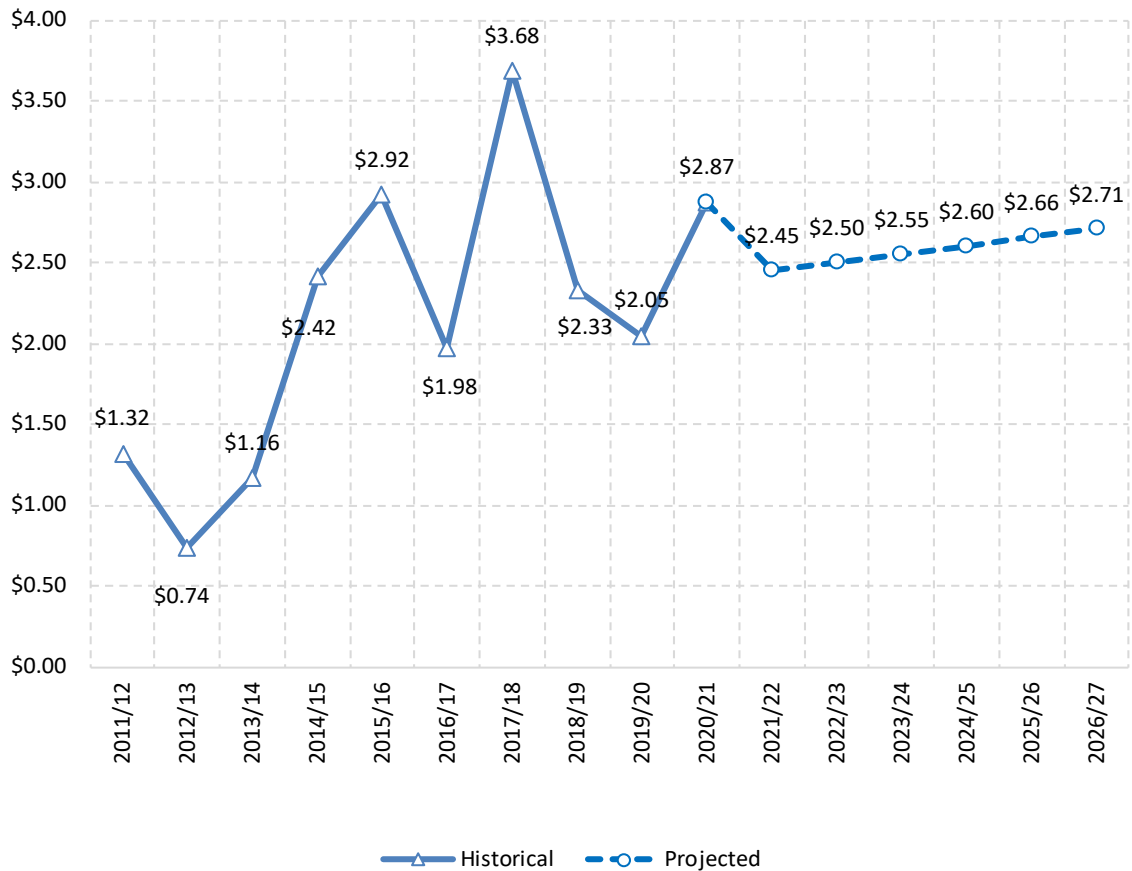
The projected ultimate losses decreased by \$94,000, about 3.6%, from 2020/21 (prior study) to 2021/22 (current study). This change consists of a 1.3% decrease in Payroll and a 2.4% decrease in loss rate.



Loss Experience Trends

Graphs III-1 and III-2 show loss experience trends for workers compensation as measured by loss rate per \$100 of payroll and frequency and severity, respectively.

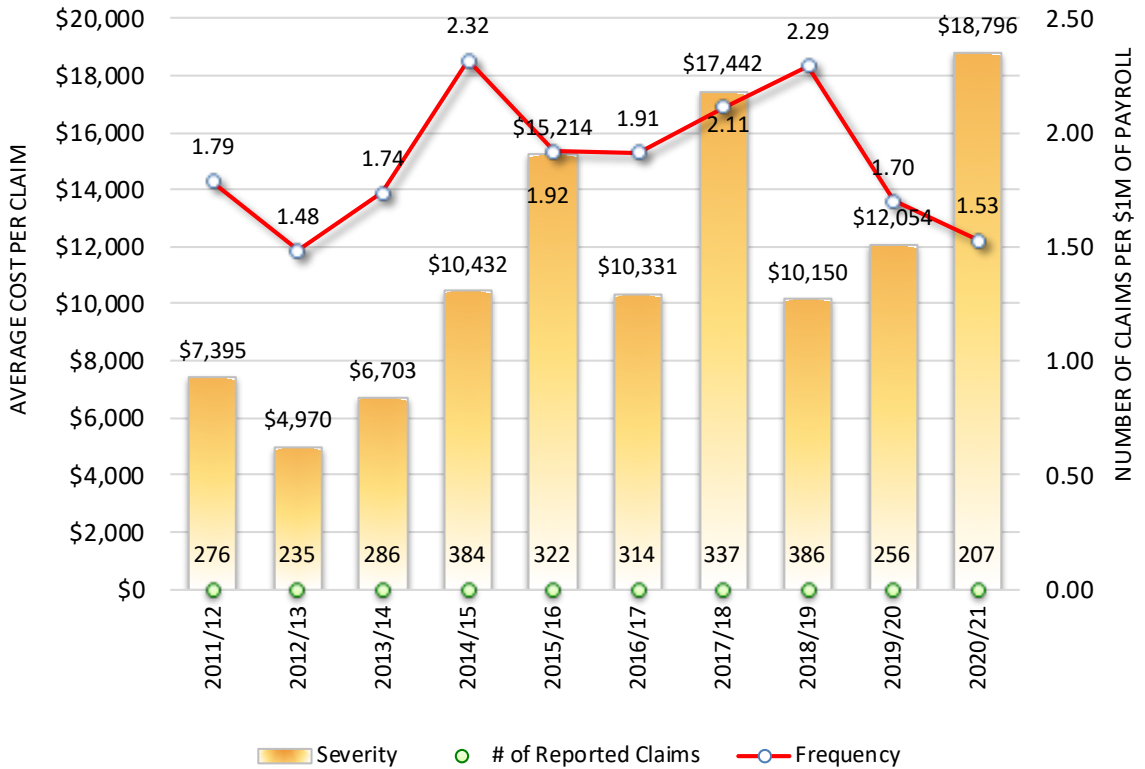
Graph III-1
Loss Rate per \$100 of Payroll
(Workers Compensation)



Note: Loss rates are from Exhibit WC-10, columns (4) and (7).



**Graph III-2
Frequency and Severity
(Workers Compensation)**

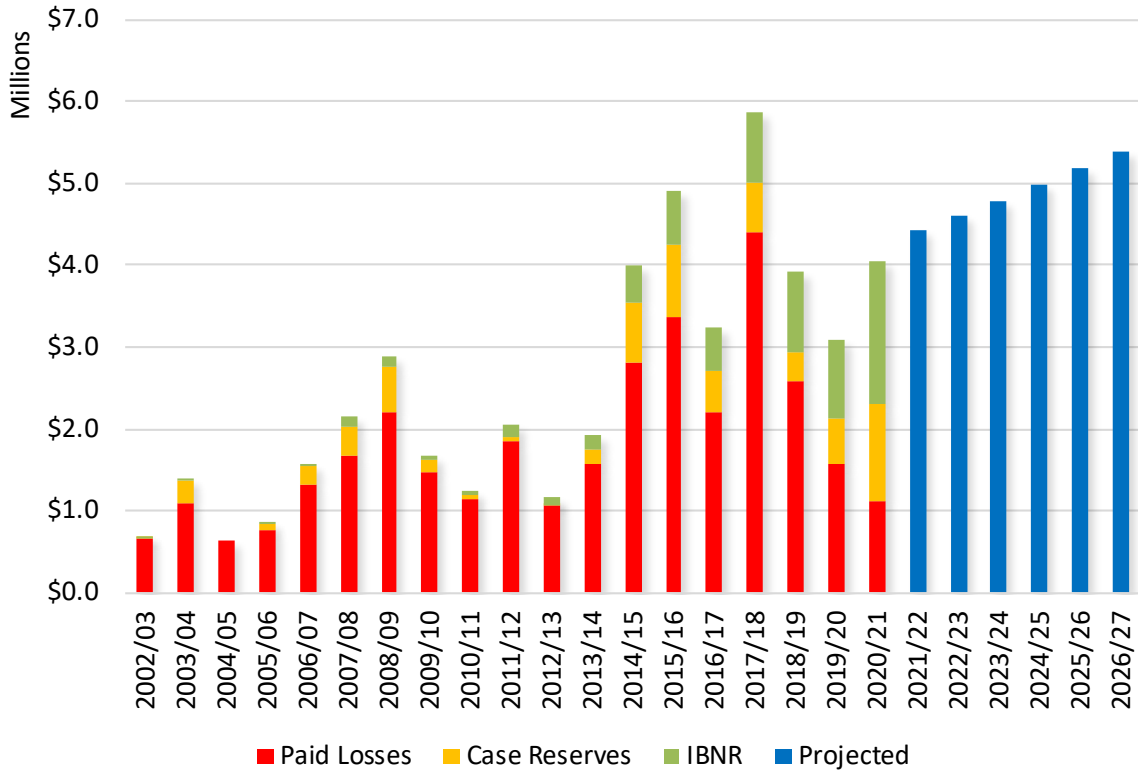


Note: Frequency amounts are from Exhibit WC-8, Section I, column (7). Severity amounts are based on the projected claim counts in Exhibit WC-8 and the projected ultimate losses in Exhibit WC-9.



Graph III-3 shows the composition of the projected ultimate limited losses for workers compensation.

Graph III-3
Composition of Projected Ultimate Limited Losses
(Workers Compensation)

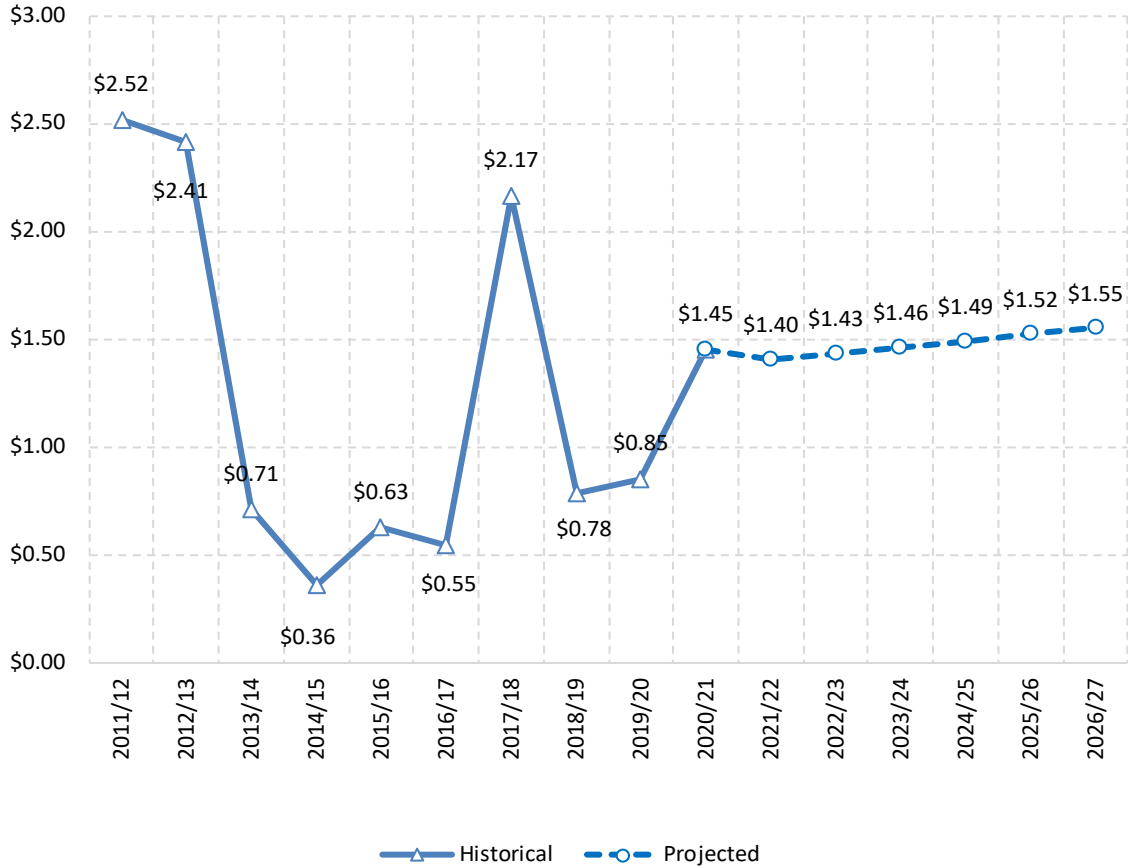


Note: Amounts through 2020/21 are from Exhibit WC-11.
 Amounts for 2021/22 to 2026/27 are from Exhibit WC-10.



Graphs III-4 and III-5 show loss experience trends for general liability as measured by loss rate per \$100 of payroll and frequency and severity, respectively.

**Graph III-4
Loss Rate per \$100 of Payroll
(General Liability)**

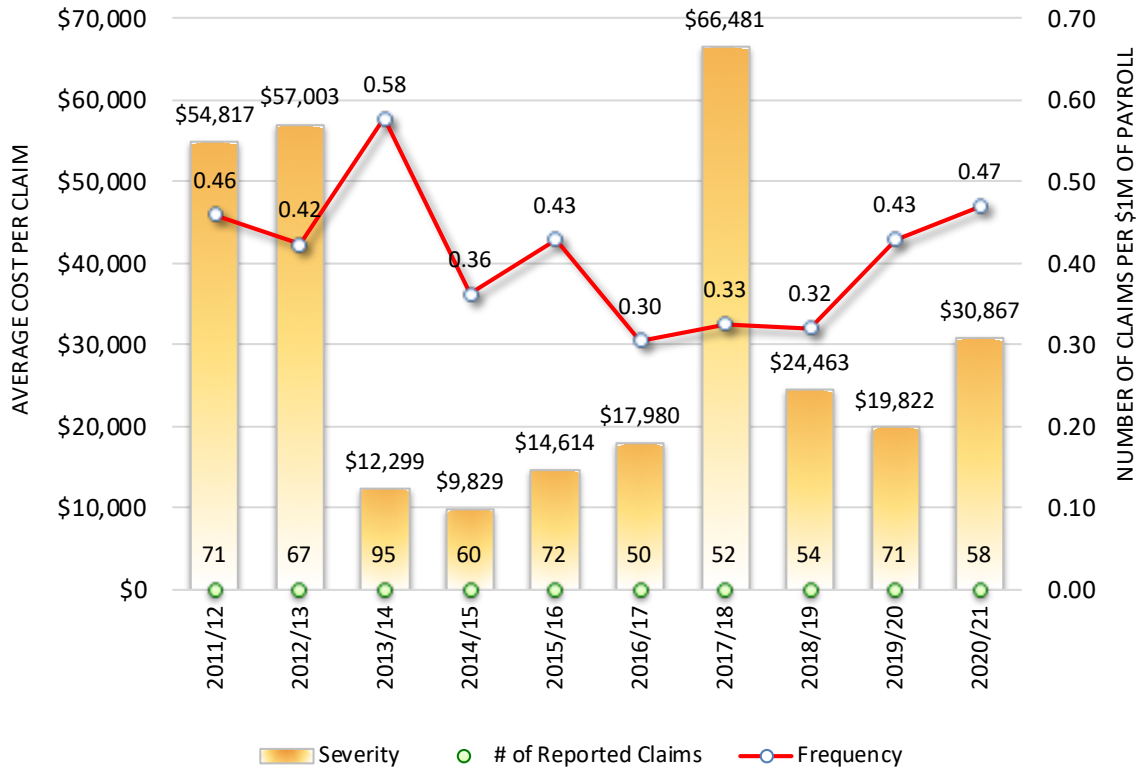


Note: Loss rates are from Exhibit GL-10, columns (4) and (7).

A list of large claims can be found in Exhibit GL-19.



**Graph III-5
Frequency and Severity
(General Liability)**

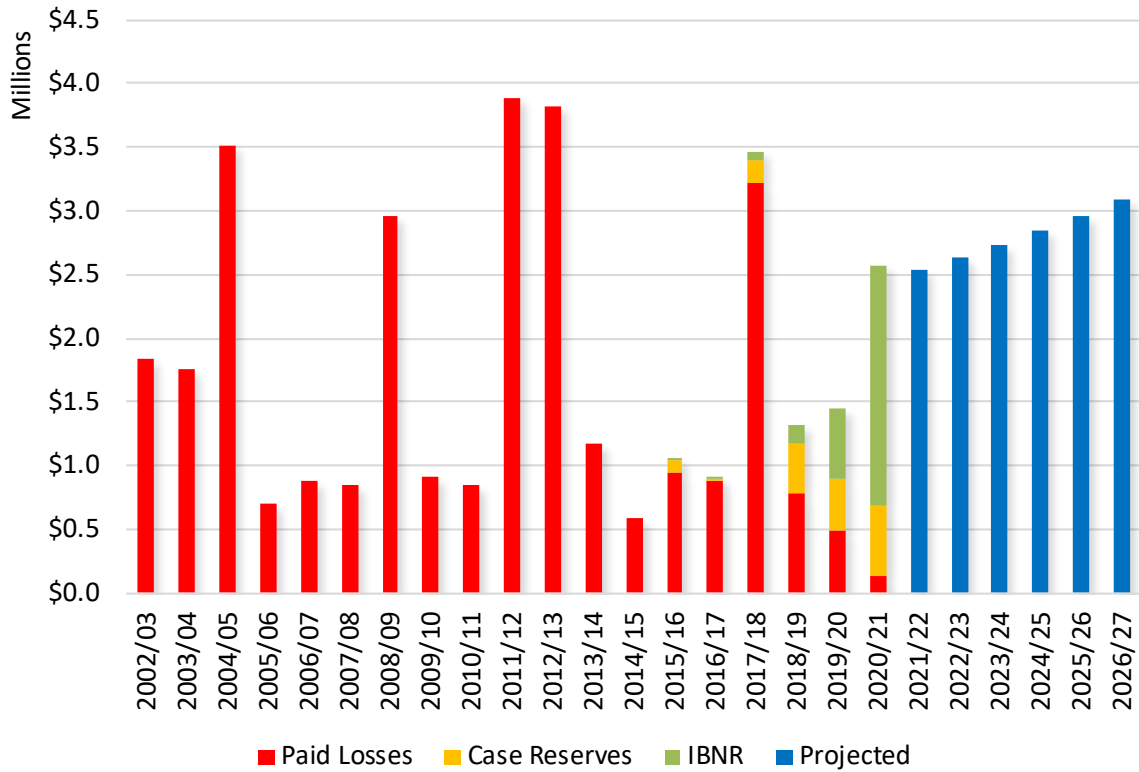


Note: Frequency amounts are from Exhibit GL-8, Section I, column (7).
Severity amounts are based on the projected claim counts in Exhibit GL-8 and the projected ultimate losses in Exhibit GL-9.



Graph III-6 shows the composition of the projected ultimate limited losses for general liability.

Graph III-6
Composition of Projected Ultimate Limited Losses
(General Liability)

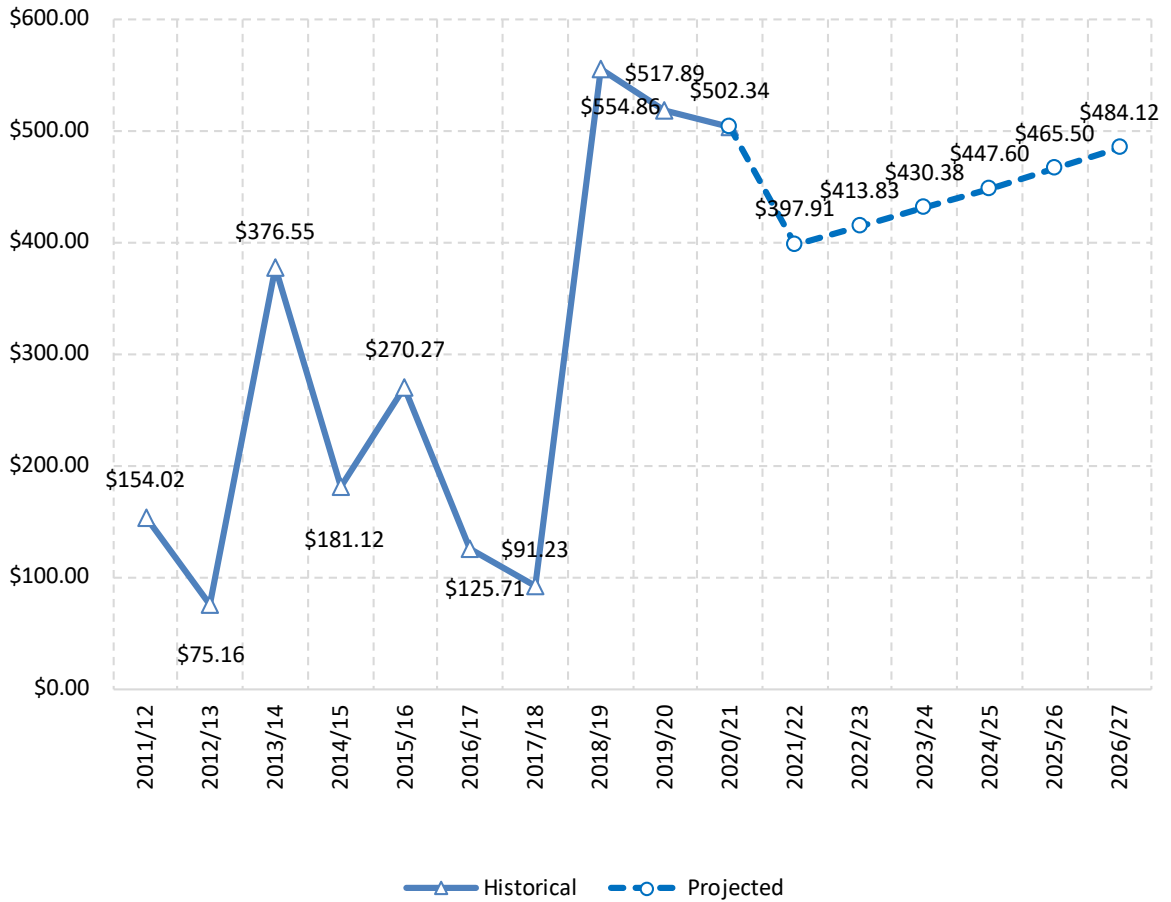


Note: Amounts through 2020/21 are from Exhibit GL-11.
 Amounts for 2021/22 to 2026/27 are from Exhibit GL-10.



Graphs III-7 and III-8 show loss experience trends for automobile liability as measured by loss rate per vehicle and frequency and severity, respectively.

**Graph III-7
Loss Rate per Vehicle
(Automobile Liability)**

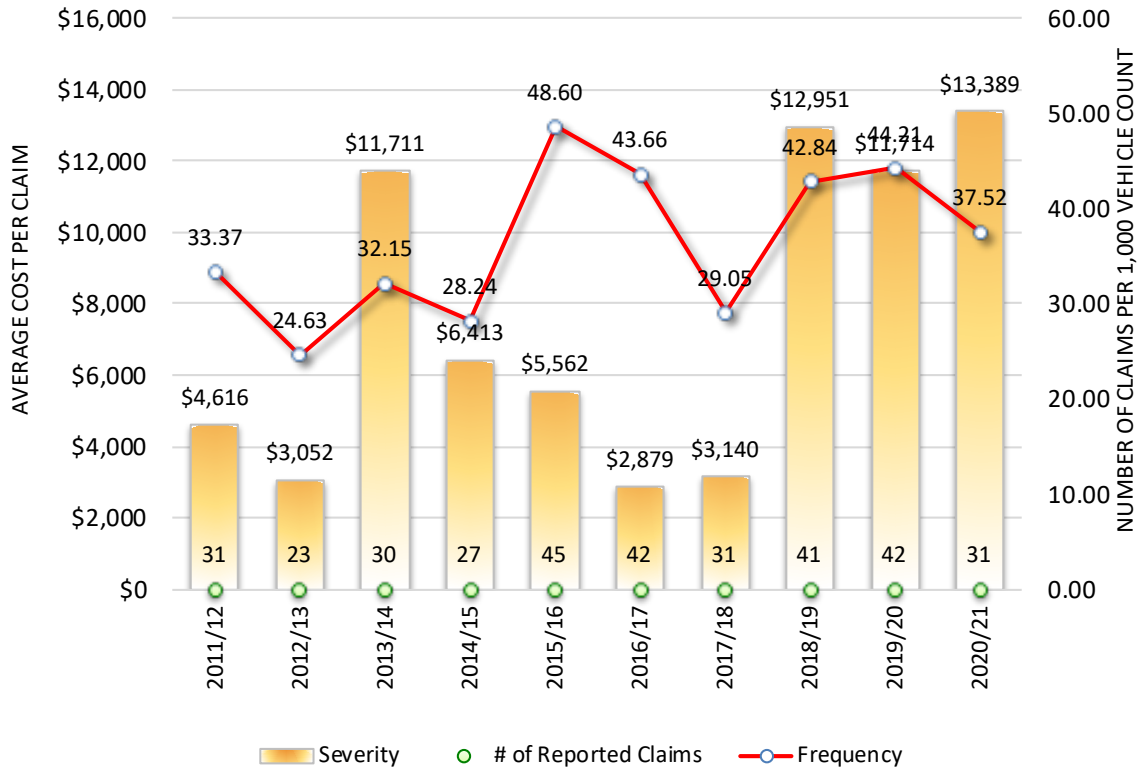


Note: Loss rates are from Exhibit AL-10, columns (4) and (7).

A list of large claims can be found in Exhibit AL-19.



**Graph III-8
Frequency and Severity
(Automobile Liability)**

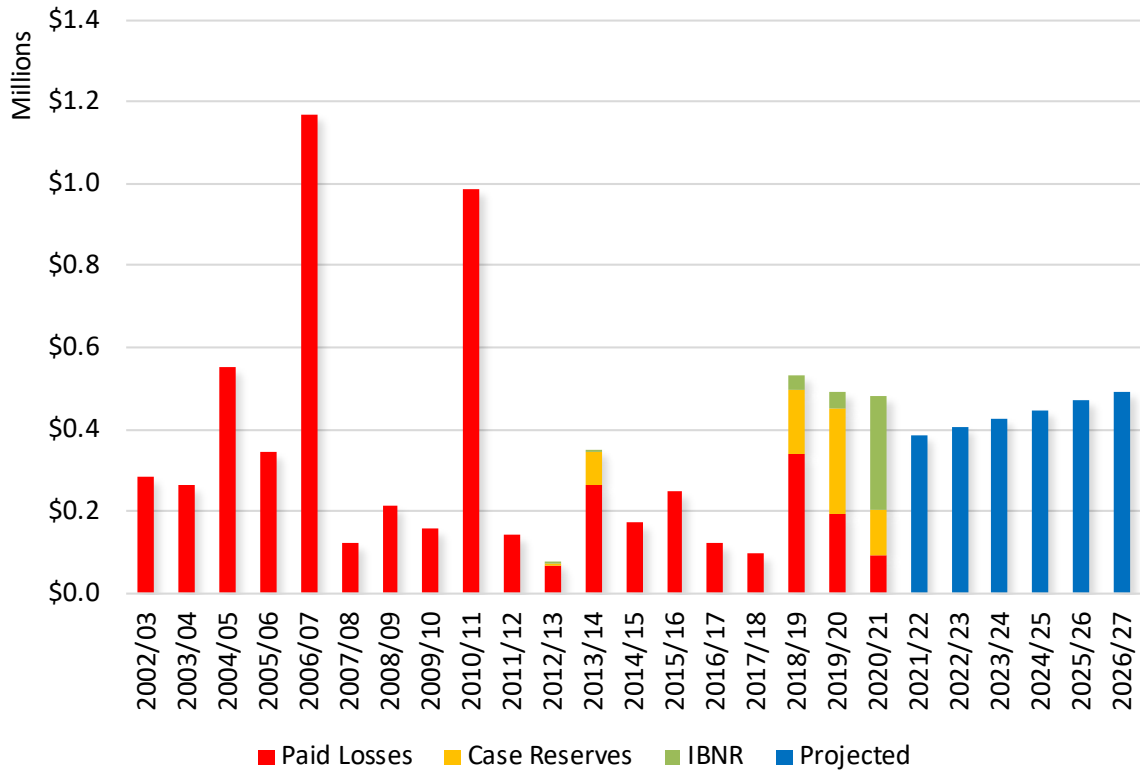


Note: Frequency amounts are from Exhibit AL-8, Section I, column (7).
Severity amounts are based on the projected claim counts in Exhibit AL-8 and the projected ultimate losses in Exhibit AL-9.



Graph III-9 shows the composition of the projected ultimate limited losses for automobile liability.

Graph III-9
Composition of Projected Ultimate Limited Losses
(Automobile Liability)

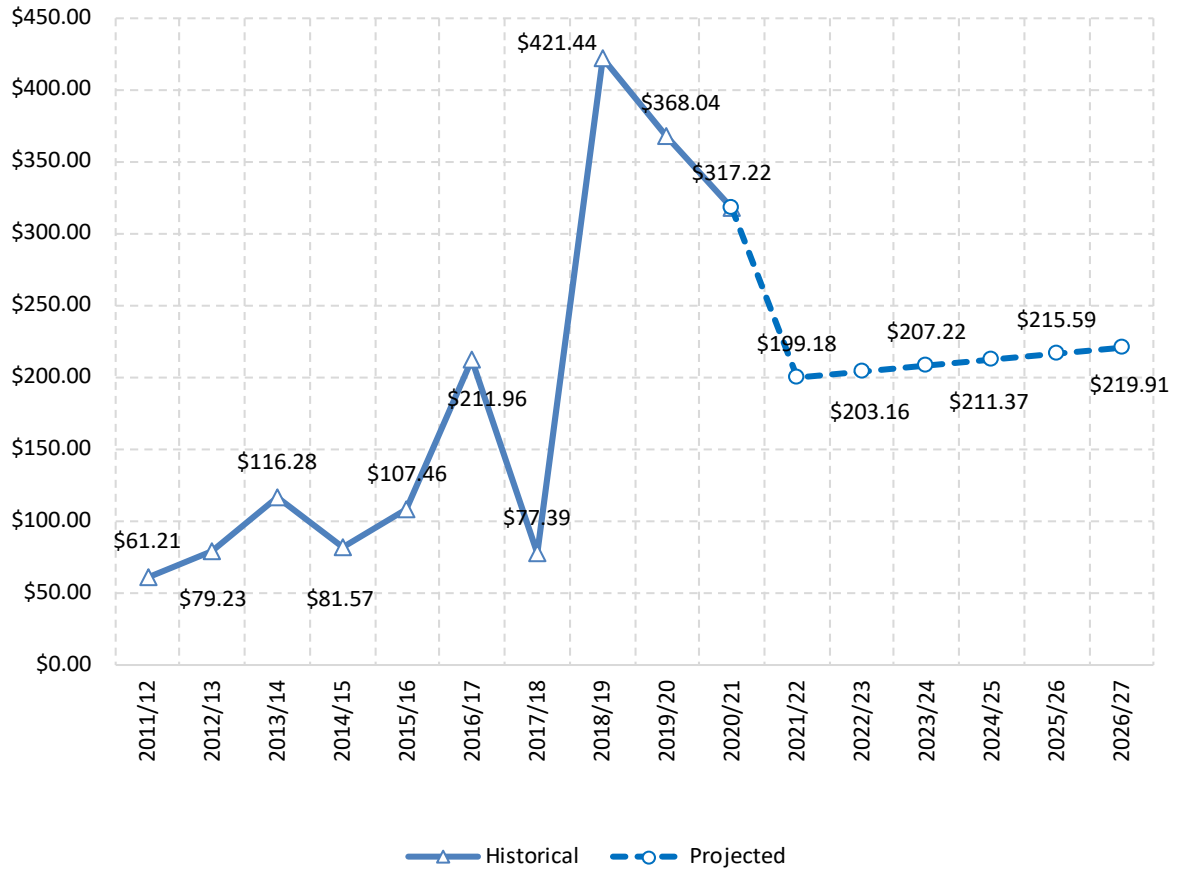


Note: Amounts through 2020/21 are from Exhibit AL-11.
 Amounts for 2021/22 to 2026/27 are from Exhibit AL-10.



Graphs III-10 and III-11 show loss experience trends for property as measured by loss rate per \$1 million of property values and frequency and severity, respectively.

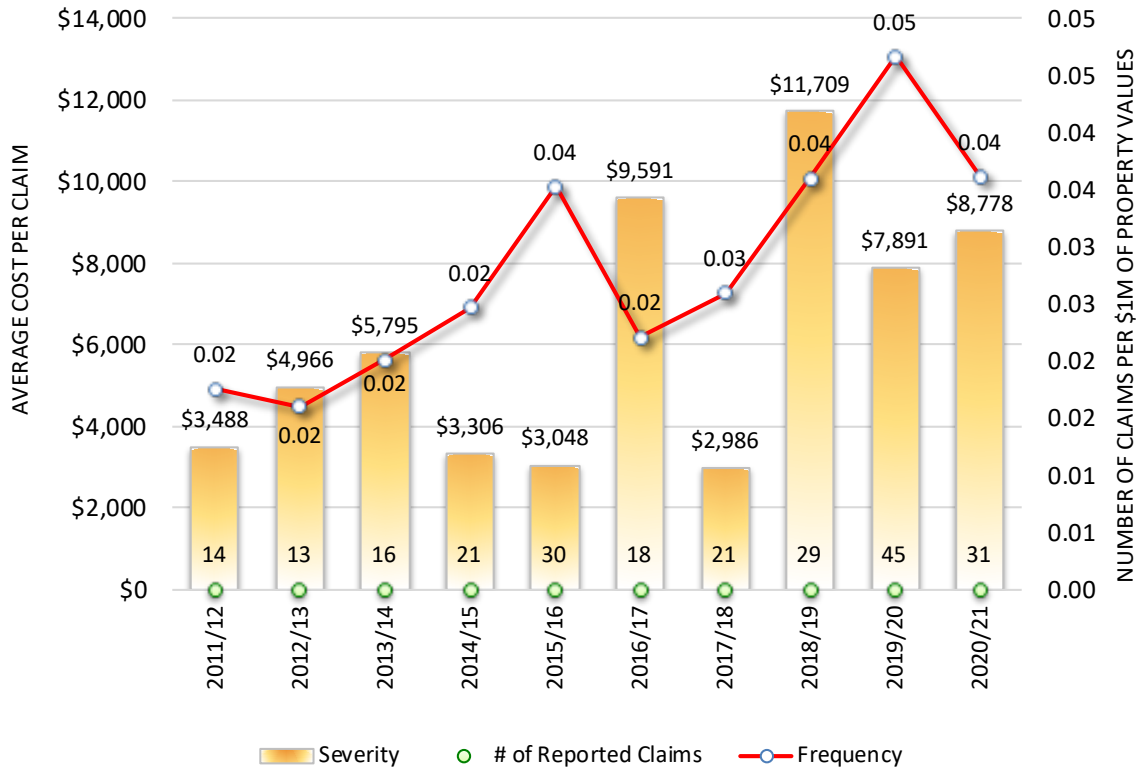
Graph III-10
Loss Rate per \$1 Million of Property Values
(Property)



Note: Loss rates are from Exhibit PR-10, columns (4) and (7).



**Graph III-11
Frequency and Severity
(Property)**

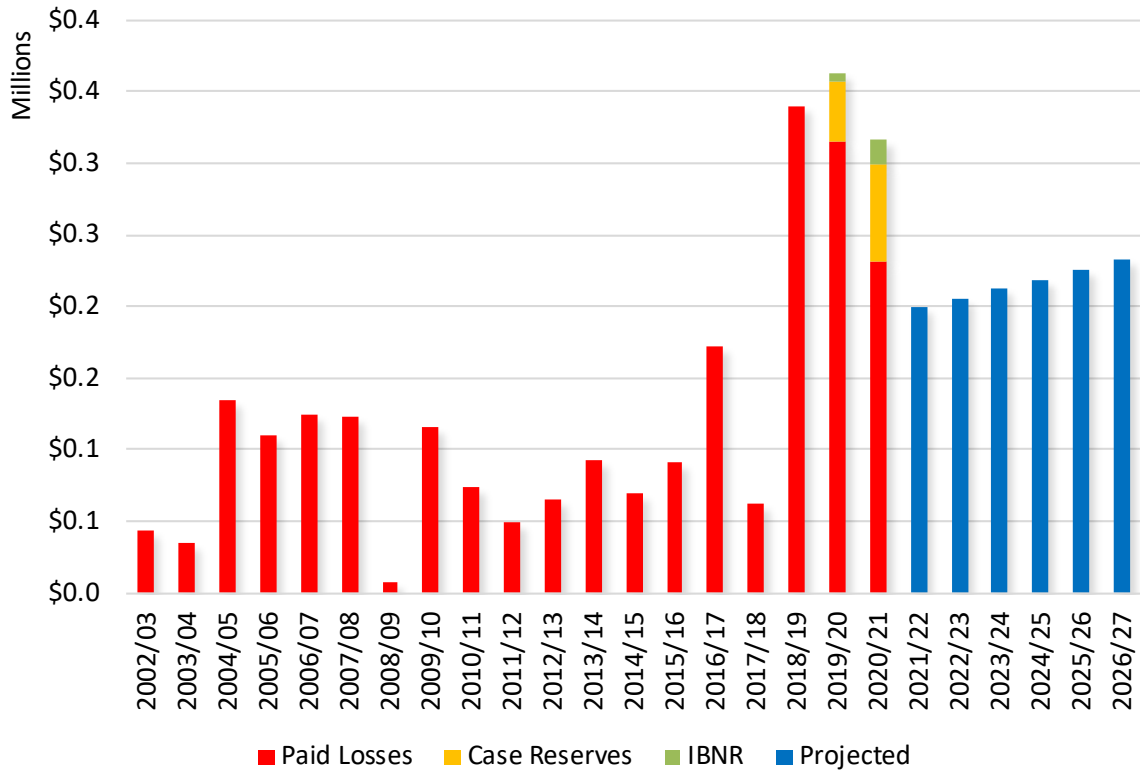


Note: Frequency amounts are from Exhibit PR-8, Section I, column (7). Severity amounts are based on the projected claim counts in Exhibit PR-8 and the projected ultimate losses in Exhibit PR-9.



Graph III-12 shows the composition of the projected ultimate limited losses for property.

Graph III-12
Composition of Projected Ultimate Limited Losses
(Property)

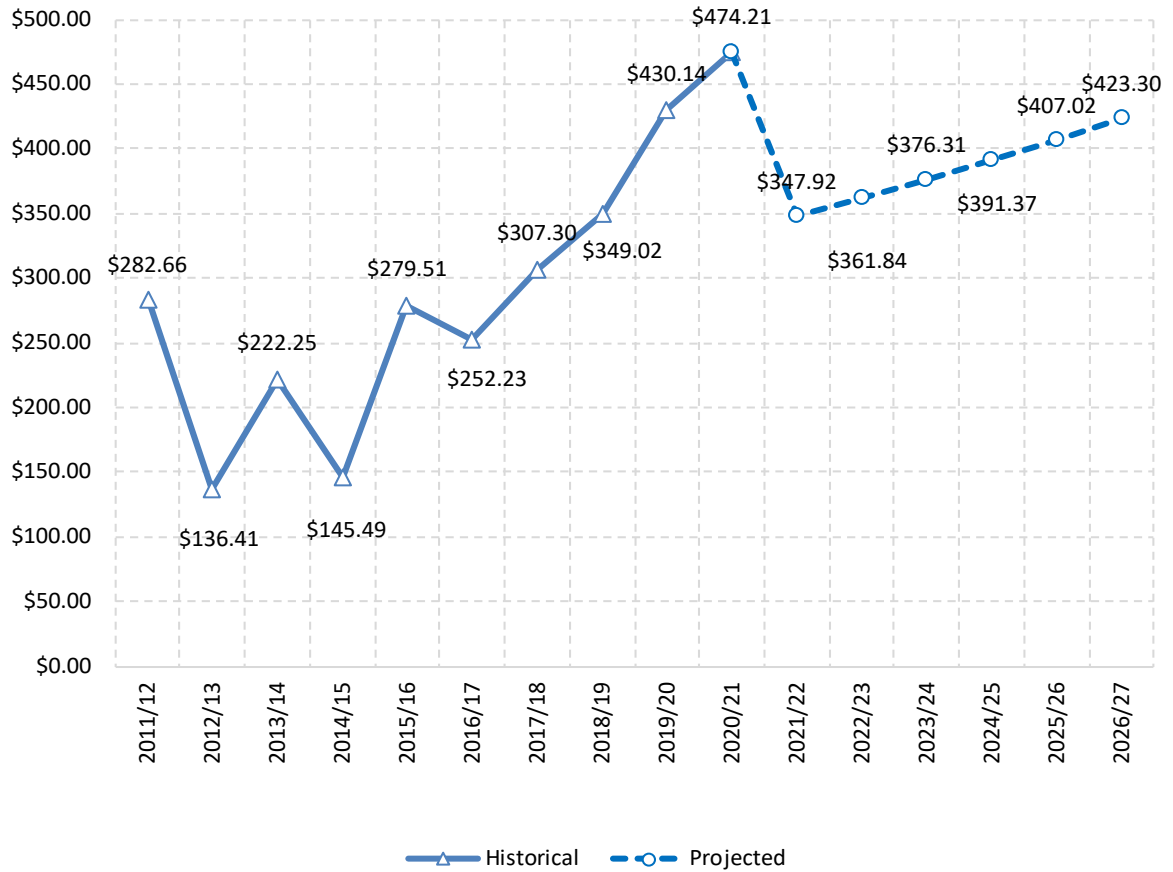


Note: Amounts through 2020/21 are from Exhibit PR-11.
 Amounts for 2021/22 to 2026/27 are from Exhibit PR-10.



Graphs III-13 and III-14 show loss experience trends for automobile physical damage as measured by loss rate per vehicle and frequency and severity, respectively.

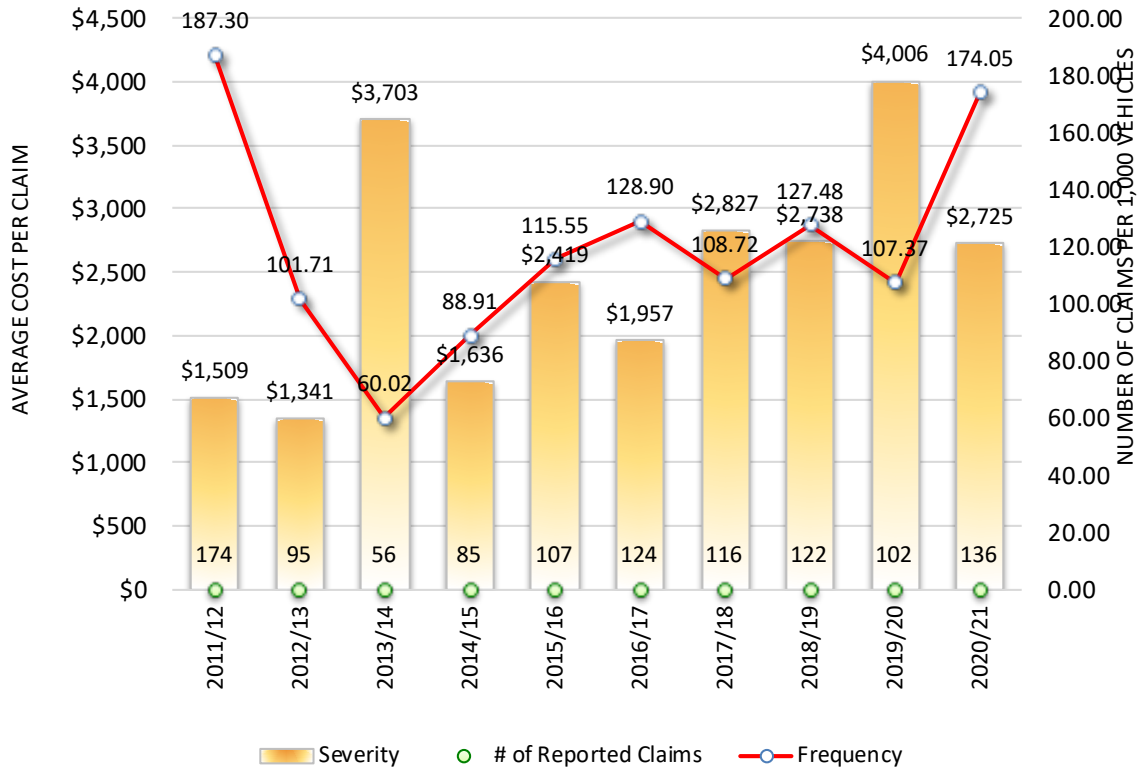
Graph III-13
Loss Rate per Vehicle
(Automobile Physical Damage)



Note: Loss rates are from Exhibit APD-10, columns (4) and (7).



**Graph III-14
Frequency and Severity
(Automobile Physical Damage)**

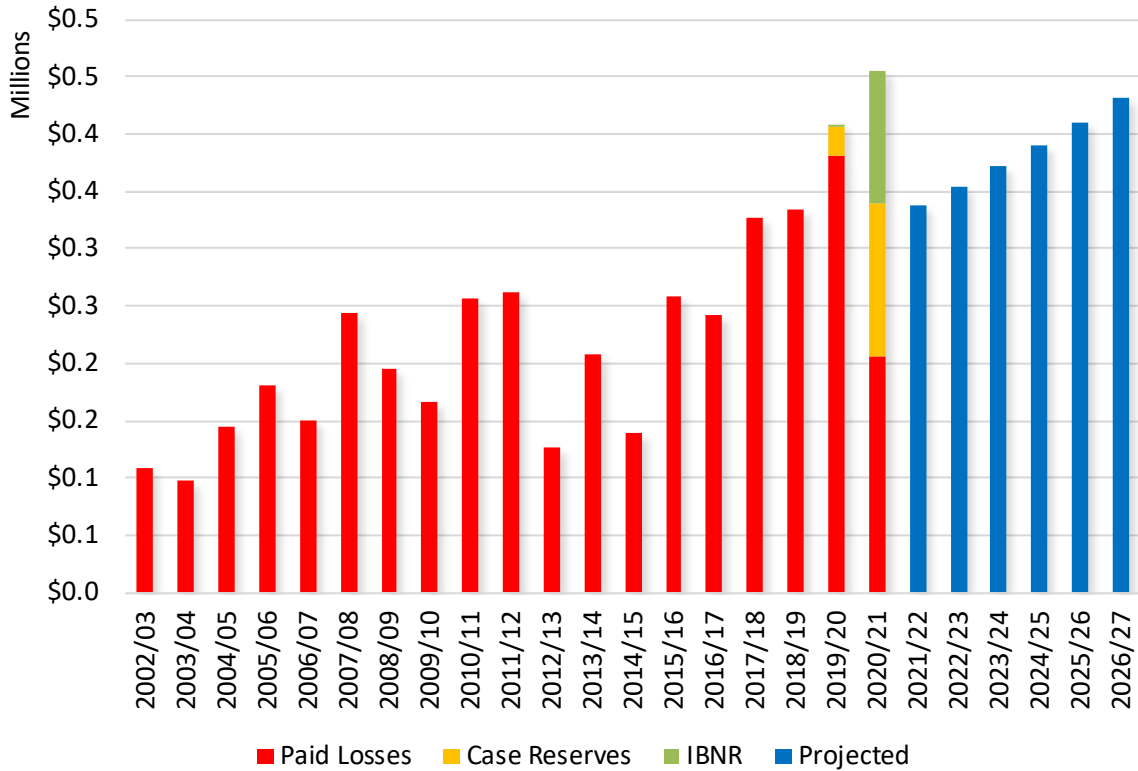


Note: Frequency amounts are from Exhibit APD-8, Section I, column (7). Severity amounts are based on the projected claim counts in Exhibit APD-8 and the projected ultimate losses in Exhibit APD-9.



Graph III-15 shows the composition of the projected ultimate limited losses for automobile physical damage.

Graph III-15
Composition of Projected Ultimate Limited Losses
(Automobile Physical Damage)



Note: Amounts through 2020/21 are from Exhibit APD-11.
 Amounts for 2021/22 to 2026/27 are from Exhibit APD-10.



3. Project Losses Paid

We project losses paid during 2021/22 and five subsequent claim periods to be as shown in Table III-3.

**Table III-3
Projected Losses Paid
2021/22 to 2026/27**

Program (1)	2021/22 (2)	2022/23 (3)	2023/24 (4)	2024/25 (5)	2025/26 (6)	2026/27 (7)
(A) Workers compensation	3,618,207	3,754,652	3,957,955	4,110,470	4,343,579	4,503,743
(B) General liability	1,757,569	2,072,567	2,387,766	2,598,284	2,719,377	2,848,931
(C) Automobile liability	406,524	406,067	411,747	422,322	443,527	458,369
(D) Property	273,345	216,559	211,388	217,530	230,062	232,333
(E) Automobile physical damage	481,007	360,549	365,557	384,198	417,230	429,835
(F) Total (A)...(E)	6,536,652	6,810,394	7,334,413	7,732,804	8,153,775	8,473,211

Note: (A) is based on Exhibits WC-12 to WC-17.
(B) is based on Exhibits GL-12 to GL-17.
(C) is based on Exhibits AL-12 to AL-17.
(D) is based on Exhibits PR-12 to PR-17.
(E) is based on Exhibits APD-12 to APD-17.

The projected losses paid reflect the excess insurance maintained by the City.

All non-claim expenses are additional.

4. Recommend Fund Balances

We recommend fund balances at the beginning of 2021/22 and five subsequent claim periods to be as shown in Tables III-4A, III-4B, III-4C, III-4D, III-4E and III-4F.

**Table III-4A
Recommended Fund Balance
June 30, 2022**

Program (1)	Recommended Fund Balance - Full Value of Estimated Outstanding Losses (2)	Recommended Fund Balance - Present Value of Estimated Outstanding Losses (3)
(A) Workers compensation	15,808,780	14,682,838
(B) General liability	5,044,475	4,968,897
(C) Automobile liability	948,556	941,527
(D) Property	59,112	58,725
(E) Automobile physical damage	133,338	132,580
(F) Total (A)...(E)	21,994,261	20,784,567

Note: (A), (B), (C), (D) and (E) are from Exhibits WC-12, GL-12, AL-12, PR-12 and APD-12, respectively.

**Table III-4B
Recommended Fund Balance
June 30, 2023**

Program (1)	Recommended Fund Balance - Full Value of Estimated Outstanding Losses (2)	Recommended Fund Balance - Present Value of Estimated Outstanding Losses (3)
(A) Workers compensation	16,653,128	15,466,202
(B) General liability	5,603,908	5,522,181
(C) Automobile liability	947,489	940,613
(D) Property	48,553	48,216
(E) Automobile physical damage	126,789	126,058
(F) Total (A)...(E)	23,379,867	22,103,270

Note: (A), (B), (C), (D) and (E) are from Exhibits WC-13, GL-13, AL-13, PR-13 and APD-13, respectively.

**Table III-4C
Recommended Fund Balance
June 30, 2024**

Program (1)	Recommended Fund Balance - Full Value of Estimated Outstanding Losses (2)	Recommended Fund Balance - Present Value of Estimated Outstanding Losses (3)
(A) Workers compensation	17,480,173	16,231,445
(B) General liability	5,955,142	5,869,381
(C) Automobile liability	960,742	954,153
(D) Property	50,165	49,816
(E) Automobile physical damage	133,232	132,464
(F) Total (A)...(E)	24,579,454	23,237,259

Note: (A), (B), (C), (D) and (E) are from Exhibits WC-14, GL-14, AL-14, PR-14 and APD-14, respectively.

**Table III-4D
Recommended Fund Balance
June 30, 2025**

Program (1)	Recommended Fund Balance - Full Value of Estimated Outstanding Losses (2)	Recommended Fund Balance - Present Value of Estimated Outstanding Losses (3)
(A) Workers compensation	18,348,703	17,037,080
(B) General liability	6,205,858	6,116,579
(C) Automobile liability	985,420	978,847
(D) Property	51,635	51,276
(E) Automobile physical damage	140,034	139,227
(F) Total (A)...(E)	25,731,650	24,323,009

Note: (A), (B), (C), (D) and (E) are from Exhibits WC-15, GL-15, AL-15, PR-15 and APD-15, respectively.

**Table III-4E
Recommended Fund Balance
June 30, 2026**

Program (1)	Recommended Fund Balance - Full Value of Estimated Outstanding Losses (2)	Recommended Fund Balance - Present Value of Estimated Outstanding Losses (3)
(A) Workers compensation	19,394,124	18,009,648
(B) General liability	6,570,481	6,475,493
(C) Automobile liability	1,034,893	1,028,006
(D) Property	54,573	54,193
(E) Automobile physical damage	153,804	152,917
(F) Total (A)...(E)	27,207,875	25,720,257

Note: (A), (B), (C), (D) and (E) are from Exhibits WC-16, GL-16, AL-16, PR-16 and APD-16, respectively.

**Table III-4F
Recommended Fund Balance
June 30, 2026**

Program (1)	Recommended Fund Balance - Full Value of Estimated Outstanding Losses (2)	Recommended Fund Balance - Present Value of Estimated Outstanding Losses (3)
(A) Workers compensation	20,279,381	18,830,976
(B) General liability	6,805,550	6,707,795
(C) Automobile liability	1,069,524	1,062,351
(D) Property	55,240	54,857
(E) Automobile physical damage	154,969	154,077
(F) Total (A)...(E)	28,364,664	26,810,056

Note: (A), (B), (C), (D) and (E) are from Exhibits WC-17, GL-17, AL-17, PR-17 and APD-17, respectively.

The recommended fund balances are based on the full value and present value of the estimated outstanding losses.

All non-claim expenses are additional.

We estimate outstanding losses as of June 30, 2021 to June 30, 2026 at various confidence levels to be as shown in Tables III-4G and III-4H.

Table III-4G
Estimated Outstanding Losses
at Various Confidence Levels
June 30, 2021 to June 30, 2026

As of Date (1)	Expected (roughly 50% to 55%) (2)	75% Confidence Level x1.10 (3)	80% Confidence Level x1.15 (4)	85% Confidence Level x1.20 (5)	90% Confidence Level x1.25 (6)
(A) June 30, 2021	\$20,656,913	\$22,722,604	\$23,755,450	\$24,788,296	\$25,821,141
(B) June 30, 2022	21,994,261	24,193,687	25,293,400	26,393,113	27,492,826
(C) June 30, 2023	23,379,867	25,717,854	26,886,847	28,055,840	29,224,834
(D) June 30, 2024	24,579,454	27,037,399	28,266,372	29,495,345	30,724,318
(E) June 30, 2025	25,731,650	28,304,815	29,591,398	30,877,980	32,164,563
(F) June 30, 2026	27,207,875	29,928,663	31,289,056	32,649,450	34,009,844
(G) June 30, 2027	28,364,664	31,201,130	32,619,364	34,037,597	35,455,830

Note: (A2) is from Table III-1A.
(B2) through (G2) are from Tables III-4A through III-4F, respectively.

Table III-4H
Present Value of Estimated Outstanding Losses
at Various Confidence Levels
June 30, 2021 to June 30, 2026

As of Date (1)	Expected (roughly 50% to 55%) (2)	75% Confidence Level x1.10 (3)	80% Confidence Level x1.15 (4)	85% Confidence Level x1.20 (5)	90% Confidence Level x1.25 (6)
(A) June 30, 2021	\$19,516,408	\$21,468,049	\$22,443,869	\$23,419,690	\$24,395,510
(B) June 30, 2022	20,784,567	22,863,024	23,902,252	24,941,480	25,980,709
(C) June 30, 2023	22,103,270	24,313,597	25,418,761	26,523,924	27,629,088
(D) June 30, 2024	23,237,259	25,560,985	26,722,848	27,884,711	29,046,574
(E) June 30, 2025	24,323,009	26,755,310	27,971,460	29,187,611	30,403,761
(F) June 30, 2026	25,720,257	28,292,283	29,578,296	30,864,308	32,150,321
(G) June 30, 2027	26,810,056	29,491,062	30,831,564	32,172,067	33,512,570

Note: (A2) is from Table III-1A.
(B2) through (G2) are from Tables III-4A through III-4F, respectively.

The confidence level margins are based on all coverages combined experience.



5. Project Ultimate Claims

We project ultimate claims for 2021/22 and five subsequent claim periods to be as shown in Table III-5.

Table III-5
Projected Ultimate Claims
2021/22 to 2026/27

Program (1)	2021/22 (2)	2022/23 (3)	2023/24 (4)	2024/25 (5)	2025/26 (6)	2026/27 (7)
(A) Workers compensation	338	345	352	359	366	374
(B) General liability	74	75	77	78	80	82
(C) Automobile liability	35	36	36	36	37	37
(D) Property	28	28	29	29	29	30
(E) Automobile physical damage	116	117	119	120	121	122
(F) Total (A)...(E)	591	601	613	622	633	645

Note: (A) is from Exhibit WC-18.
(B) is from Exhibit GL-18.
(C) is from Exhibit AL-18.
(D) is from Exhibit PR-18.
(E) is from Exhibit APD-18.

The higher level of workers compensation claim counts is discussed in the Data section.

6. Size of Loss Distribution Analysis

Table III-6A shows the distribution of losses in various layers for workers compensation.

Table III-6A
Size of Loss Distribution
(Workers Compensation)

Claim Size (1)	Total Reported Claims (2)	Percent of Total (2)/Total(2) (3)	Cumulative Percent of Total (4)	Total Reported Incurred Losses (5)	Percent of Total (5)/Total(5) (6)	Cumulative Percent of Total (7)
(A) \$1 to \$5,000	4,912	80.6%	80.6%	\$4,967,079	8.2%	8.2%
(B) \$5,000 to \$10,000	399	6.5%	87.1%	2,821,373	4.7%	12.8%
(C) \$10,000 to \$25,000	376	6.2%	93.3%	5,952,921	9.8%	22.7%
(D) \$25,000 to \$50,000	194	3.2%	96.4%	6,850,301	11.3%	33.9%
(E) \$50,000 to \$100,000	112	1.8%	98.3%	7,638,802	12.6%	46.5%
(F) \$100,000 to \$250,000	59	1.0%	99.2%	9,632,901	15.9%	62.4%
(G) \$250,000 to \$500,000	30	0.5%	99.7%	9,849,854	16.2%	78.7%
(H) \$500,000 to \$750,000	10	0.2%	99.9%	6,087,596	10.0%	88.7%
(I) \$750,000 to \$1,000,000	5	0.1%	100.0%	4,342,949	7.2%	95.9%
(J) Over \$1,000,000	1	0.0%	100.0%	2,513,000	4.1%	100.0%
(K) Total (A) ... (J)	6,098	100%		\$60,656,776	100%	

Note: See Exhibit WC-21.

For workers' compensation, about 87% of the non-zero claims reported are below \$10,000 and represent about 13% of the incurred amounts. The remaining 13% of the claims consume about 87% of the incurred amounts.

Table III-6B shows the distribution of losses in various layers for general liability.

Table III-6B
Size of Loss Distribution
(General Liability)

Claim Size (1)	Total Reported Claims (2)	Percent of Total (2)/Total(2) (3)	Cumulative Percent of Total (4)	Total Reported Incurred Losses (5)	Percent of Total (5)/Total(5) (6)	Cumulative Percent of Total (7)
(A) \$1 to \$5,000	2,706	80.9%	80.9%	\$2,579,882	4.9%	4.9%
(B) \$5,000 to \$10,000	170	5.1%	86.0%	1,209,670	2.3%	7.1%
(C) \$10,000 to \$25,000	198	5.9%	91.9%	3,354,317	6.3%	13.5%
(D) \$25,000 to \$50,000	90	2.7%	94.6%	3,242,875	6.1%	19.6%
(E) \$50,000 to \$100,000	79	2.4%	97.0%	5,575,235	10.5%	30.1%
(F) \$100,000 to \$250,000	59	1.8%	98.7%	9,279,803	17.5%	47.6%
(G) \$250,000 to \$500,000	26	0.8%	99.5%	9,037,396	17.0%	64.6%
(H) \$500,000 to \$750,000	6	0.2%	99.7%	3,642,186	6.9%	71.4%
(I) \$750,000 to \$1,000,000	3	0.1%	99.8%	2,589,254	4.9%	76.3%
(J) Over \$1,000,000	8	0.2%	100.0%	12,570,255	23.7%	100.0%
(K) Total (A) ... (J)	3,345	100%		\$53,080,874	100%	

Note: See Exhibit GL-20.

For general liability, about 86% of the non-zero claims reported are below \$10,000 and represent about 7% of the incurred amounts. The remaining 14% of the claims consume about 93% of the incurred amounts.



Table III-6C shows the distribution of losses in various layers for automobile liability.

Table III-6C
Size of Loss Distribution
(Automobile Liability)

Claim Size (1)	Total Reported Claims (2)	Percent of Total (2)/Total(2) (3)	Cumulative Percent of Total (4)	Total Reported Incurred Losses (5)	Percent of Total (5)/Total(5) (6)	Cumulative Percent of Total (7)
(A) \$1 to \$5,000	943	77.2%	77.2%	\$1,433,223	12.9%	12.9%
(B) \$5,000 to \$10,000	128	10.5%	87.6%	907,702	8.2%	21.0%
(C) \$10,000 to \$25,000	93	7.6%	95.3%	1,433,829	12.9%	33.9%
(D) \$25,000 to \$50,000	30	2.5%	97.7%	1,046,447	9.4%	43.3%
(E) \$50,000 to \$100,000	16	1.3%	99.0%	1,159,236	10.4%	53.8%
(F) \$100,000 to \$250,000	6	0.5%	99.5%	1,041,455	9.4%	63.1%
(G) \$250,000 to \$500,000	2	0.2%	99.7%	724,863	6.5%	69.6%
(H) \$500,000 to \$750,000	1	0.1%	99.8%	641,346	5.8%	75.4%
(I) \$750,000 to \$1,000,000	2	0.2%	99.9%	1,696,943	15.3%	90.7%
(J) Over \$1,000,000	1	0.1%	100.0%	1,039,654	9.3%	100.0%
(K) Total (A) ... (J)	1,222	100%		\$11,124,698	100%	

Note: See Exhibit AL-20.

For automobile liability, about 88% of the non-zero claims reported are below \$10,000 and represent about 21% of the incurred amounts. The remaining 12% of the claims consume about 79% of the incurred amounts.

Table III-6D shows the distribution of losses in various layers for property.

Table III-6D
Size of Loss Distribution
(Property)

Claim Size (1)	Total Reported Claims (2)	Percent of Total (2)/Total(2) (3)	Cumulative Percent of Total (4)	Total Reported Incurred Losses (5)	Percent of Total (5)/Total(5) (6)	Cumulative Percent of Total (7)
(A) \$1 to \$5,000	437	72.4%	72.4%	\$942,089	23.7%	23.7%
(B) \$5,000 to \$10,000	90	14.9%	87.3%	595,512	15.0%	38.7%
(C) \$10,000 to \$25,000	46	7.6%	94.9%	704,925	17.7%	56.4%
(D) \$25,000 to \$50,000	20	3.3%	98.2%	670,995	16.9%	73.3%
(E) \$50,000 to \$100,000	7	1.2%	99.3%	514,637	12.9%	86.2%
(F) \$100,000 to \$250,000	4	0.7%	100.0%	547,394	13.8%	100.0%
(G) \$250,000 to \$500,000	0	0.0%	100.0%	0	0.0%	100.0%
(H) \$500,000 to \$750,000	0	0.0%	100.0%	0	0.0%	100.0%
(I) \$750,000 to \$1,000,000	0	0.0%	100.0%	0	0.0%	100.0%
(J) Over \$1,000,000	0	0.0%	100.0%	0	0.0%	100.0%
(K) Total (A) ... (J)	604	100%		\$3,975,551	100%	

Note: See Exhibit PR-20.

For property, about 87% of the non-zero claims reported are below \$10,000 and represent about 39% of the incurred amounts. The remaining 13% of the claims consume about 61% of the incurred amounts.

Table III-6E shows the distribution of losses in various layers for automobile physical damage.

Table III-6E
Size of Loss Distribution
(Automobile Physical Damage)

Claim Size (1)	Total Reported Claims (2)	Percent of Total (2)/Total(2) (3)	Cumulative Percent of Total (4)	Total Reported Incurred Losses (5)	Percent of Total (5)/Total(5) (6)	Cumulative Percent of Total (7)
(A) \$1 to \$5,000	3,053	91.4%	91.4%	\$3,184,892	36.7%	36.7%
(B) \$5,000 to \$10,000	160	4.8%	96.2%	1,115,962	12.9%	49.6%
(C) \$10,000 to \$25,000	93	2.8%	99.0%	1,422,707	16.4%	66.0%
(D) \$25,000 to \$50,000	19	0.6%	99.5%	608,587	7.0%	73.1%
(E) \$50,000 to \$100,000	5	0.1%	99.7%	347,719	4.0%	77.1%
(F) \$100,000 to \$250,000	8	0.2%	99.9%	1,137,679	13.1%	90.2%
(G) \$250,000 to \$500,000	3	0.1%	100.0%	850,592	9.8%	100.0%
(H) \$500,000 to \$750,000	0	0.0%	100.0%	0	0.0%	100.0%
(I) \$750,000 to \$1,000,000	0	0.0%	100.0%	0	0.0%	100.0%
(J) Over \$1,000,000	0	0.0%	100.0%	0	0.0%	100.0%
(K) Total (A) ... (J)	3,341	100%		\$8,668,137	100%	

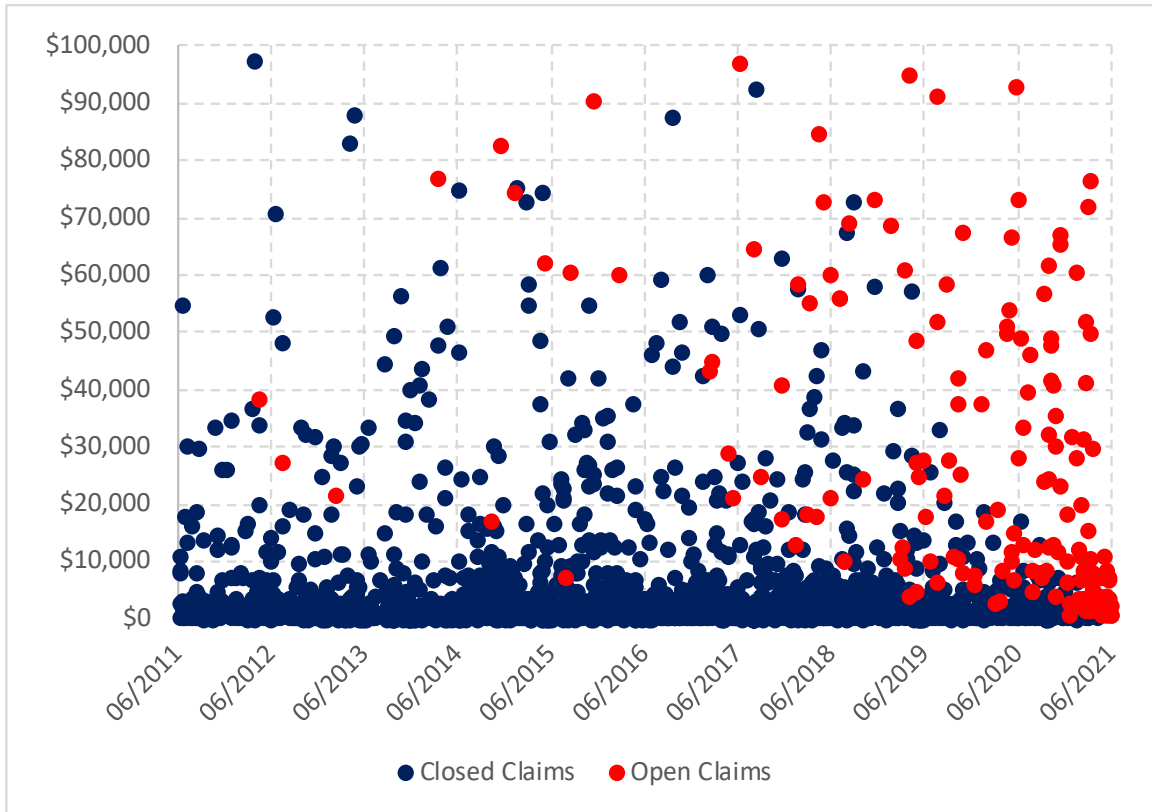
Note: See Exhibit APD-20.

For automobile physical damage, about 96% of the non-zero claims reported are below \$10,000 and represent about 50% of the incurred amounts. The remaining 4% of the claims consume about 50% of the incurred amounts.

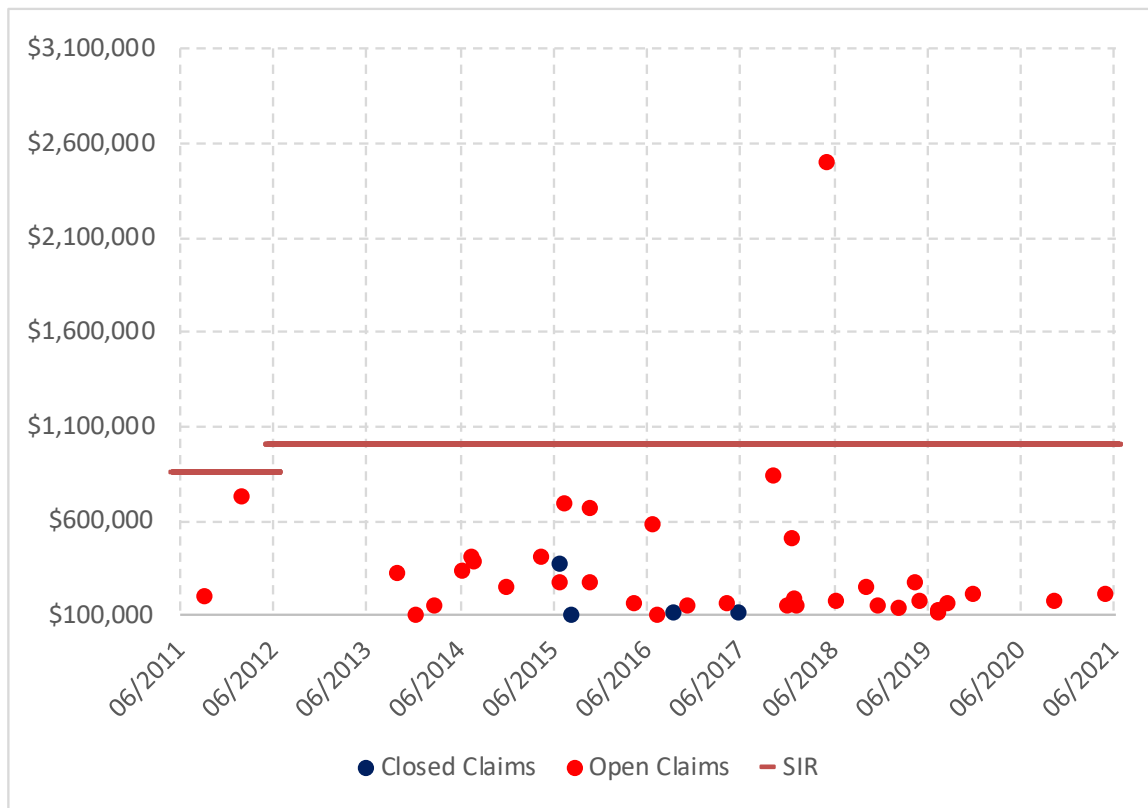


Graphs III-16A and III-16B are claim size distributions for workers compensation program.

Graph III-16A
Claim Size Distribution
Claims with Incurred Amount below \$100,000
(Workers Compensation)



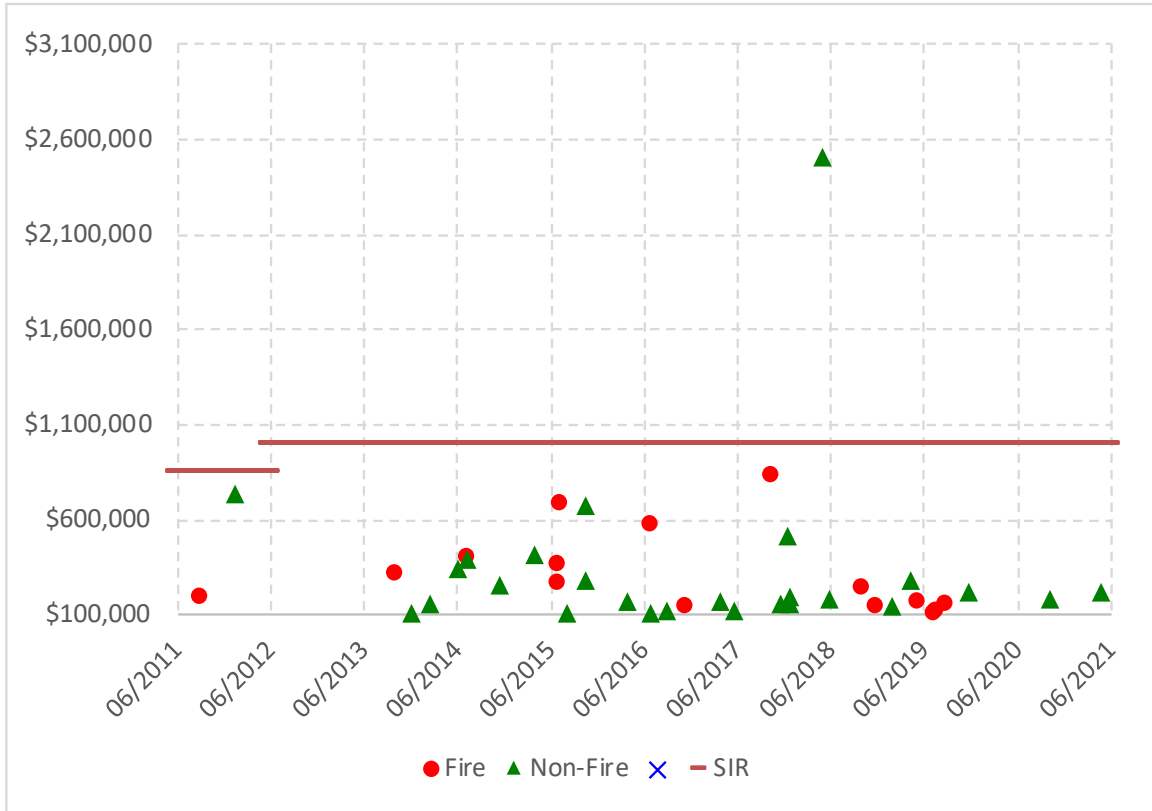
**Graph III-16B
Claim Size Distribution
Claims with Incurred Amount above \$100,000
(Workers Compensation)**





Graphs III-16C is the claim size distributions for workers compensation program by claim type.

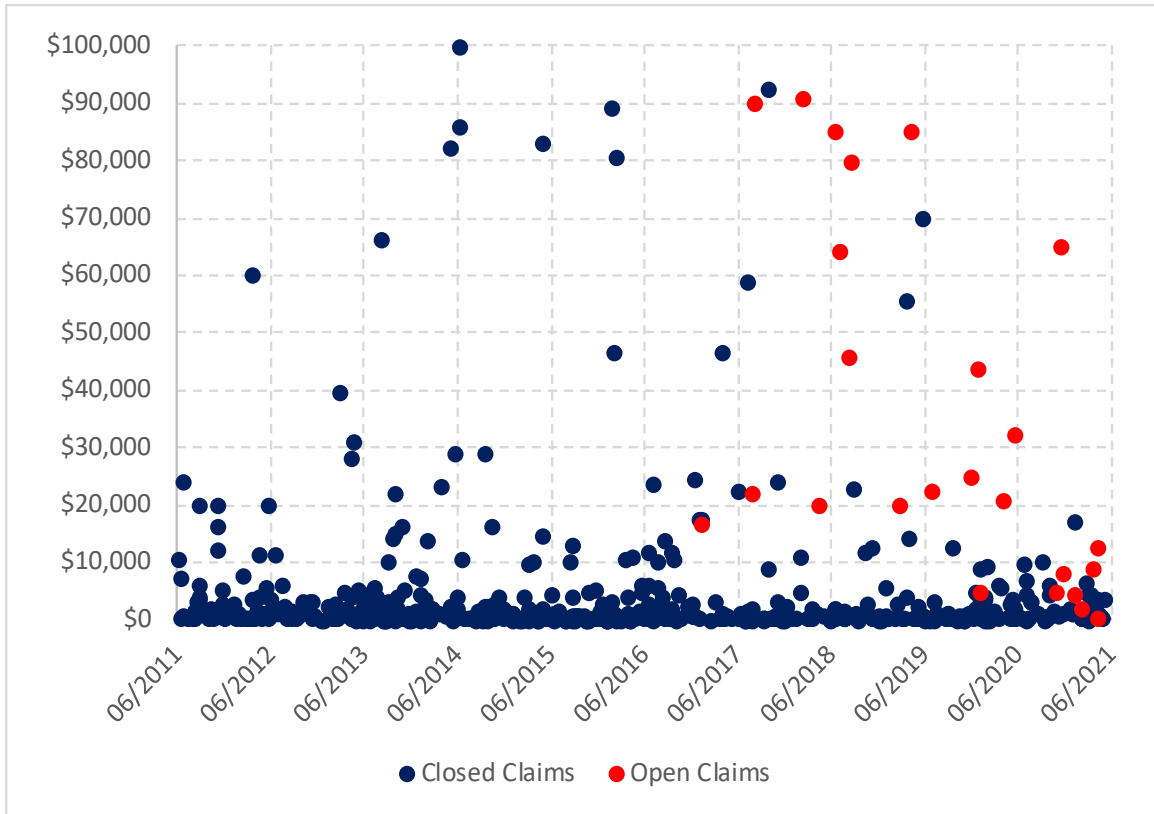
Graph III-16C
Claim Size Distribution
Claims with Incurred Amount Above \$100,000
By Type
(Workers Compensation)





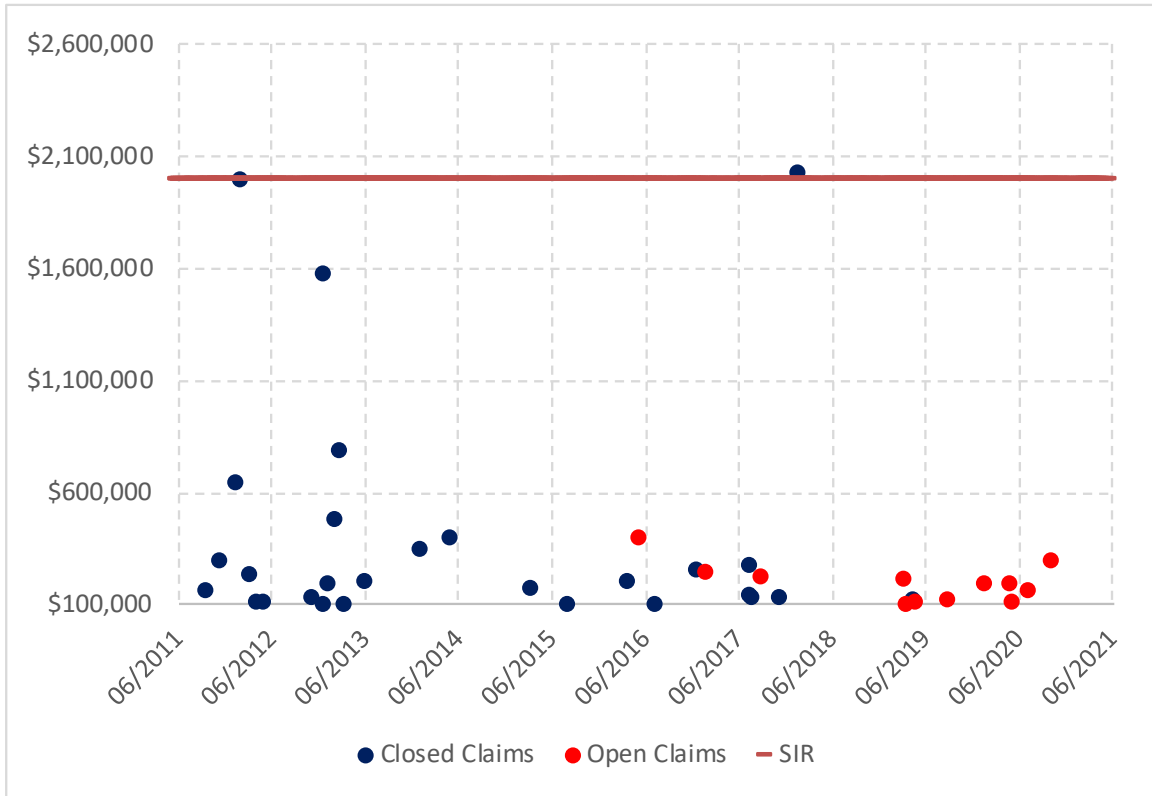
Graphs III-17A and III-17B are claim size distributions for general liability program.

Graph III-17A
Claim Size Distribution
Claims with Incurred Amount below \$100,000
(General Liability)





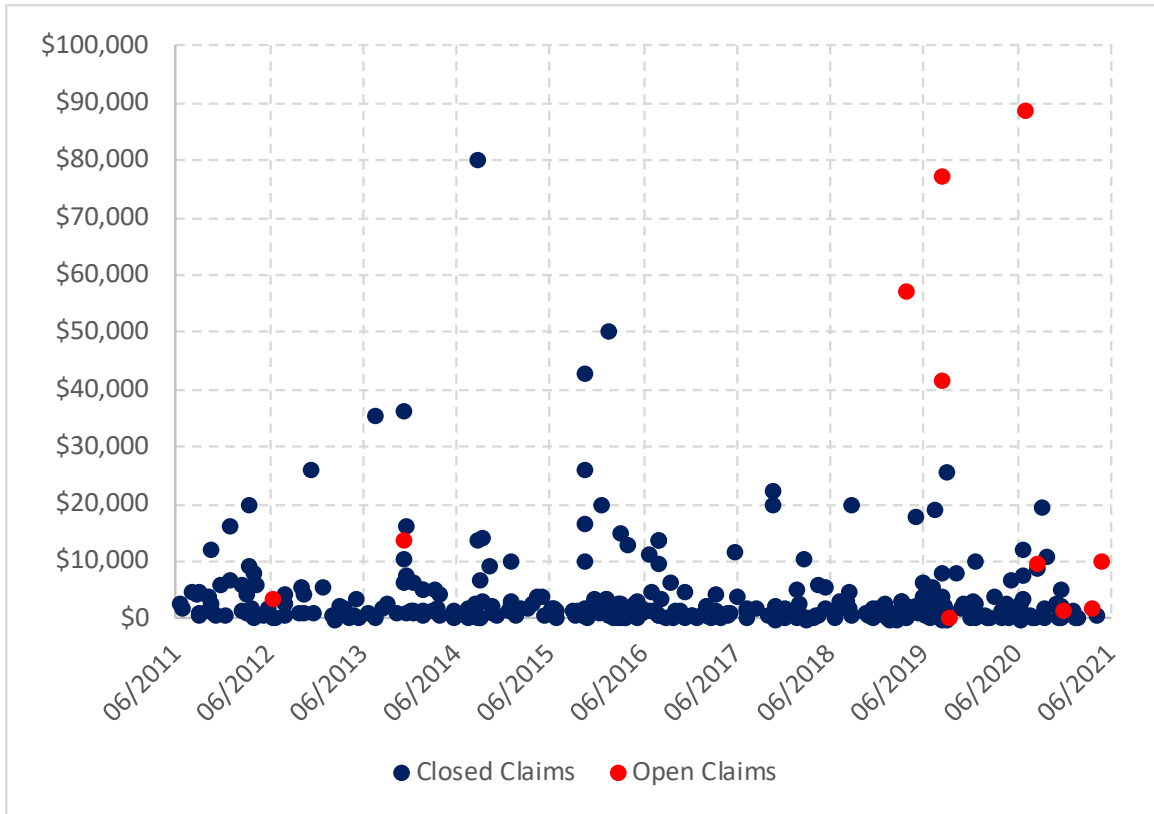
Graph III-17B
Claim Size Distribution
Claims with Incurred Amount above \$100,000
(General Liability)





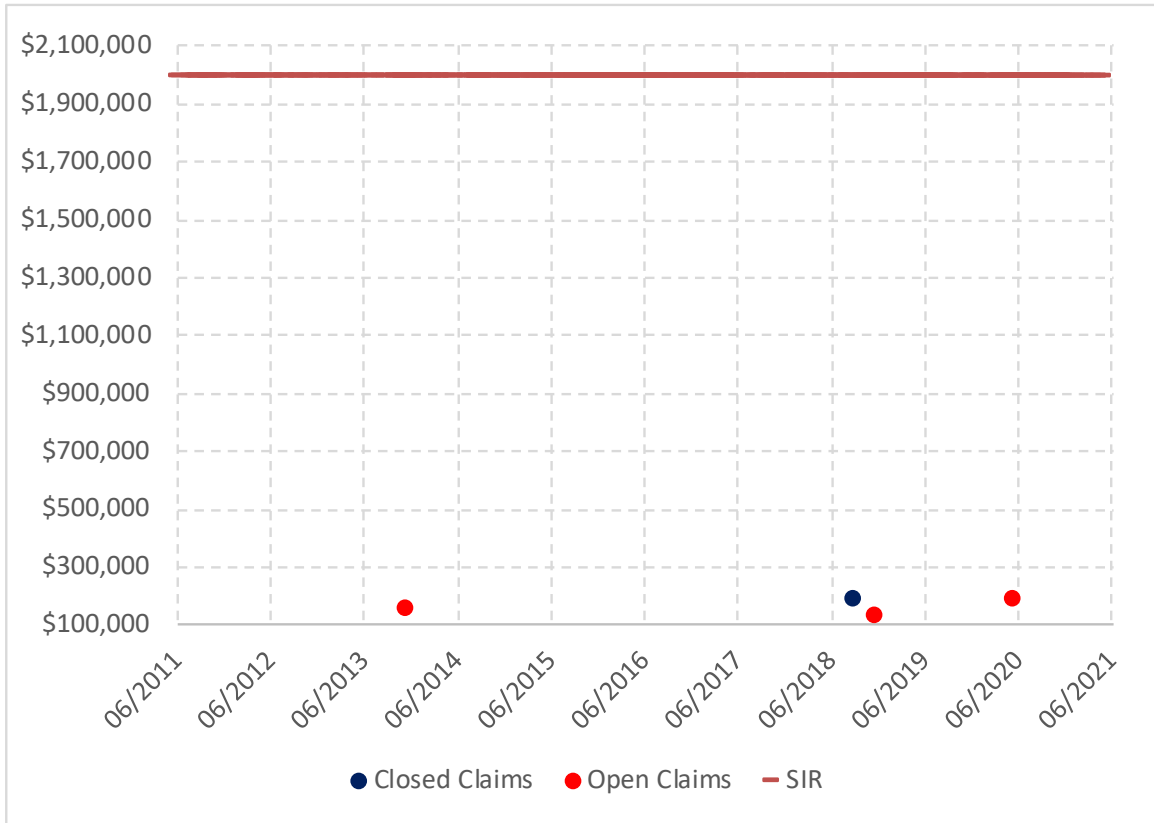
Graphs III-18A and III-18B are claim size distributions for automobile liability program.

Graph III-18A
Claim Size Distribution
Claims with Incurred Amount below \$100,000
(Automobile Liability)





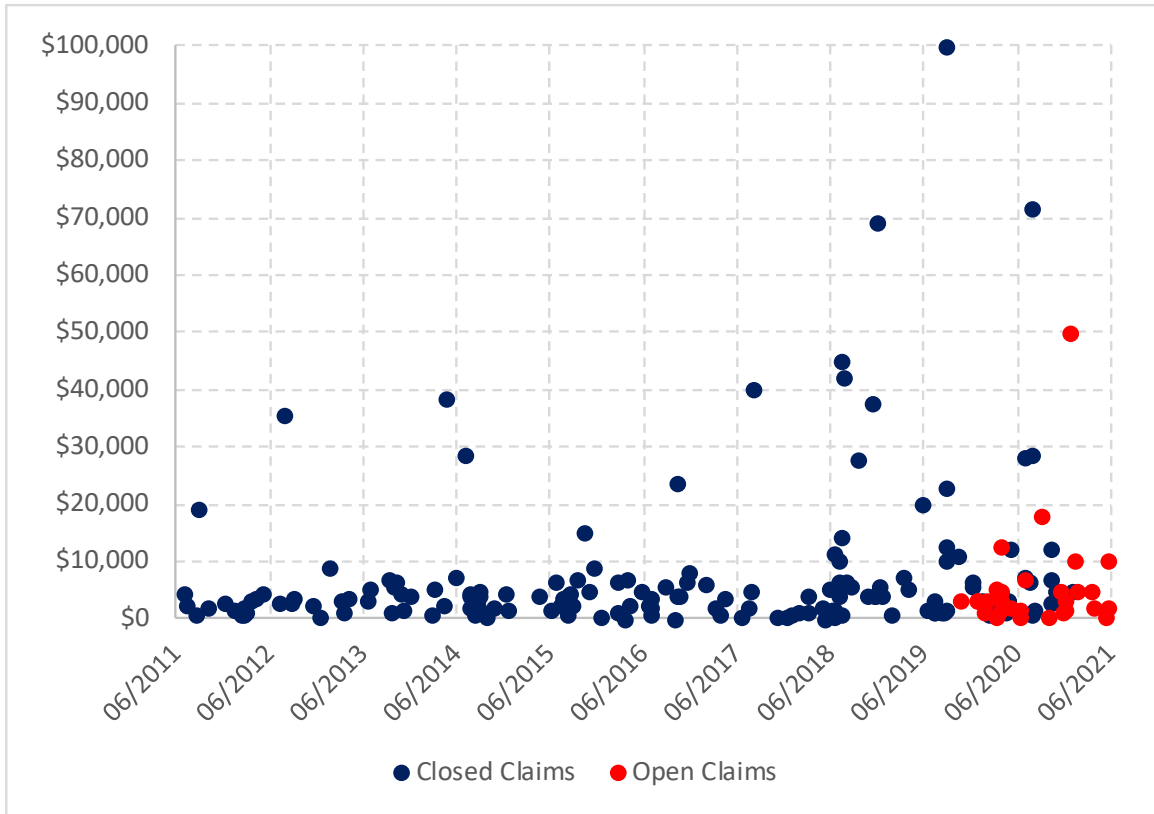
Graph III-18B
Claim Size Distribution
Claims with Incurred Amount above \$100,000
(Automobile Liability)





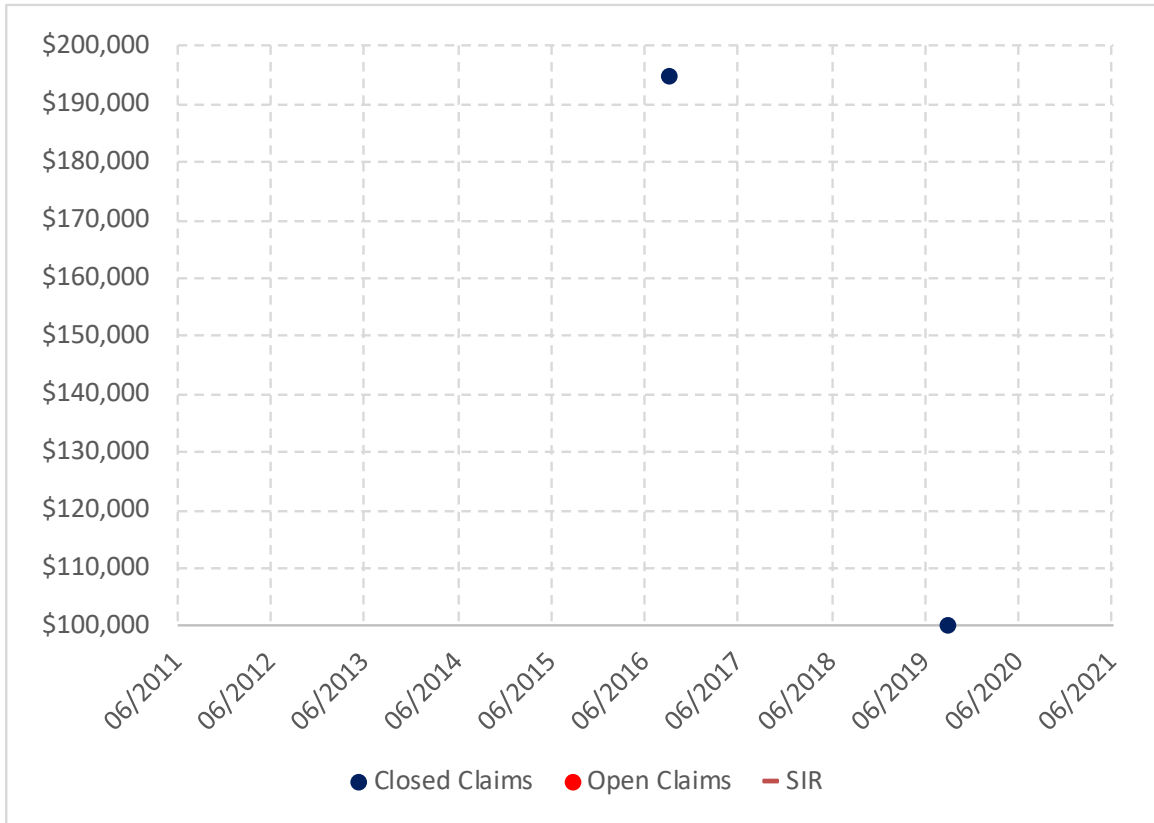
Graphs III-19A and III-19B are claim size distributions for property program.

Graph III-19A
Claim Size Distribution
Claims with Incurred Amount Below \$100,000
(Property)





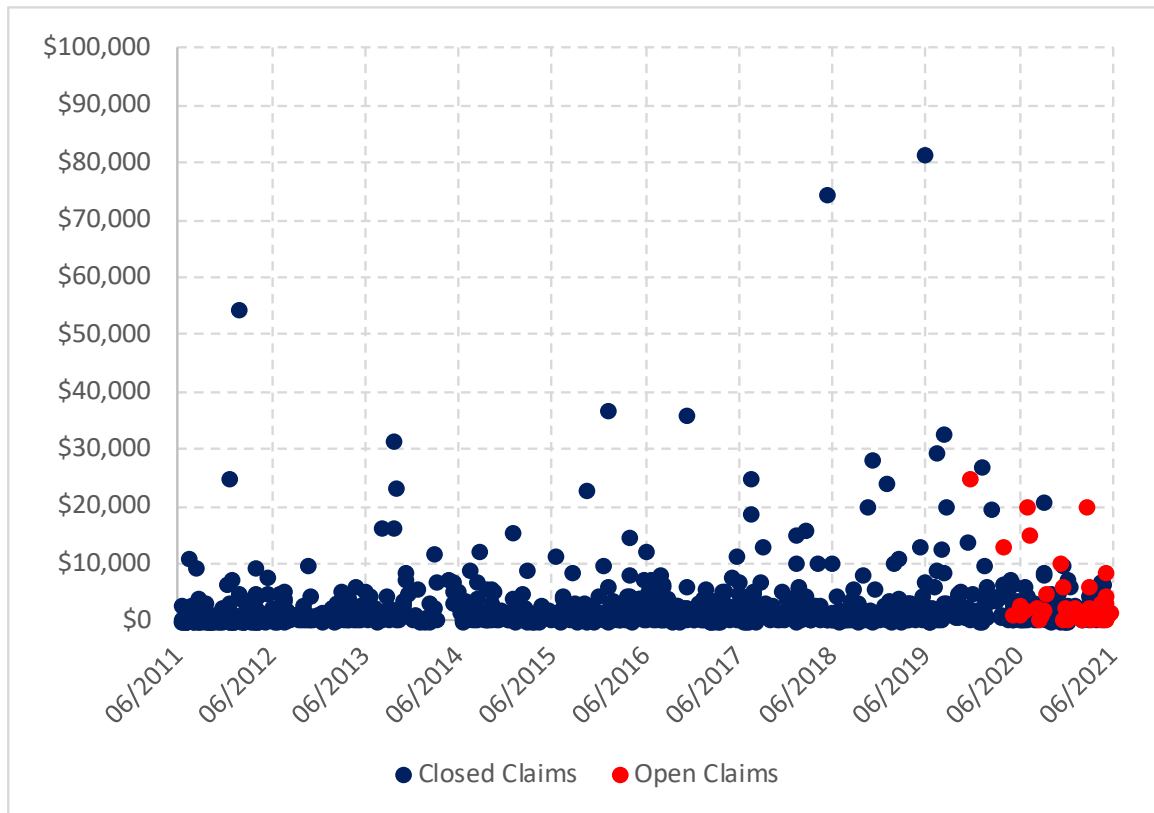
Graph III-19B
Claim Size Distribution
Claims with Incurred Amount above \$100,000
(Property)





Graphs III-20A is the claim size distribution for automobile physical damage program.

Graph III-20A
Claim Size Distribution
(Automobile Physical Damage)



Conditions and Limitations

It is important to understand the conditions and limitations listed below. Each chapter and section is an integral part of the whole study. If there are questions, please contact Aon for clarification.

- **Data Quality** In conducting this analysis, we relied upon the provided data without audit or independent verification; however, we reviewed it for reasonableness and consistency. Any inaccuracies in quantitative data or qualitative representations could have a significant effect on the results of our review and analysis. Any material discrepancies discovered in the loss data by the organization or any other parties should be reported to us immediately, and if warranted, we will make appropriate amendments to the report.
- **Economic Environment.** Unless otherwise stated, we assumed the current economic conditions will continue in the foreseeable future.
- **Insurance Coverage.** Unless otherwise stated, we assumed no insurance coverage changes (including coverage provided by the organization to others) subsequent to the date this study was prepared. This includes coverage language, self-insured retention, limitations and similar issues.
- **Insurance Solvency.** Unless otherwise stated, we assumed all insurance purchased by the organization is from solvent sources payable in accordance with terms of the coverage document.
- **Interest Rate.** The exhibits specify the annual interest rate used.
- **Methodology.** In this study, different actuarial methods were applied. In some instances, the methods yield significantly disparate results. The estimates, projections and recommendations in this study reflect our judgments as to the best method or combination of methods that are most reliable and reflective of the exposure to loss.
- **Reproduction.** Use of this report is limited to the organization for the specific purpose described in the Introduction section. Other uses are prohibited without an executed release with Aon.

Distribution by the organization is unrestricted. The report should only be distributed in its entirety including all supporting exhibits.

- **Risk and Variability.** Insurance is an inherently risky enterprise. Actual losses may vary significantly from our estimates, projections and recommendations. They may emerge higher or lower.



- **Statutory and Judicial Changes.** Legislatures and judiciaries may change statutes that govern indemnification. This includes benefit levels for workers compensation, immunities and limitations for liability, and other similar issues. Unless otherwise stated, we assumed no statutory changes subsequent to the date this study was prepared.
- **Supplemental Data.** In addition to the data provided by the organization, we supplemented our analysis with data from similar organizations and insurance industry statistics, as we deemed appropriate.
- **Usage.** This study has been prepared for the usage of the organization shown on the transmittal page. It was not prepared for and may not be appropriate for use by other organizations. Other organizations should obtain written permission from Aon prior to use of this study.

Glossary of Actuarial Terms

Actuarial Methods (Most Common)

A major objective of an actuarial study is to statistically project ultimate losses. The following actuarial methods are the most common:

- Developed Paid Losses
- Developed Reported Incurred Losses
- Developed Case Reserves
- Frequency Times Severity Analysis
- Loss Rate Analysis

The following describes each method:

1. **Developed Paid Losses.** Paid losses represent the amounts actually paid to claimants (less excess insurance recoveries). As time goes on, loss payments continue until all claims are closed and there are no remaining payments expected. At this time, the ultimate losses for the claim period are known. This common process is called “paid loss development.”

Paid loss development is an extrapolation of actual dollars paid. It does not depend on case reserve estimates. A potential shortcoming of utilizing this method is that only a small fraction of total payments have been made for the most recent claim periods. Extrapolating ultimate losses based on small amounts of actual payments may be speculative. A second potential shortcoming is that payment patterns can change over time.

2. **Developed Reported Incurred Losses.** Reported incurred losses are paid losses plus case reserves. In most programs, total reported incurred losses underestimate the ultimate losses. Over time, as more information about a body of claims becomes known, they are adjusted either up or down until they are closed. Though many individual claims settle for less than what was estimated, these decreases are generally more than offset by increases in the cost of other claims for which new information has emerged.

The net effect is that total estimated costs are often revised upward over time. This normal process is called “reported incurred loss development.” Actuaries typically review the development patterns of the recent past to make projections of the expected future loss development and, therefore, estimations of ultimate losses.

3. **Developed Case Reserves.** A case reserve is an estimate of the unpaid amount established by claims adjusters for which a particular claim will ultimately be settled or adjudicated. The developed case reserves method is a hybrid of the paid loss development and reported incurred loss development methods. It relies on the historical adequacy of case reserves to predict ultimate losses.

4. **Frequency Times Severity Analysis.** The frequency times severity analysis is an actuarial method that uses a preliminary projection of ultimate losses to project claims severity. The claims severity times the number of claims is a predictor of ultimate losses. The focus of the frequency times severity analysis is that ultimate losses each period are dependent on the number of claims.
5. **Loss Rate Analysis.** The loss rate analysis is based on the historical loss rates per exposure unit (such as payroll, vehicles or property value). The loss rates (projected ultimate losses divided by exposure units) are trended to reflect the effect of claim cost inflation and retention changes. The trended loss rates represent the rates that one would see if all of the claims had been handled in the claim cost environment that will be present in the upcoming period. The trended loss rate times the projected exposure units is a predictor of losses.
6. **Bornhuetter-Ferguson Method (B-F).** The B-F method is an actuarial method that weights a preliminary projection of ultimate losses with projections of ultimate losses determined by other actuarial methods (usually the developed paid losses and developed reported incurred losses methods). For less mature claim periods, the B-F method leans more heavily to the preliminary projection. It gradually converges to the projections of ultimate losses determined by the other actuarial methods as the claim periods mature.

Actuary

A specialist trained in mathematics, statistics, and finance who is responsible for rate, reserve, and dividend calculations and other statistical studies.

Allocated Loss Adjustment Expenses

Allocated loss adjustment expenses (ALAE) are the direct expenses to settle specific claims. These expenses are primarily legal expenses.

Governmental Accounting Standards Board (GASB) Statement No. 10 requires that ALAE be included in financial statements and that they be calculated by actuarial methods.

American Academy of Actuaries

A society concerned with the development of education in the field of actuarial science and with the enhancement of standards in the actuarial field. Members may use the designation MAAA (Member, American Academy of Actuaries).

Benefits

The financial reimbursement and other services provided insureds by insurers under the terms of an insurance contract. An example would be the benefits listed under a life or health insurance policy or benefits as prescribed by a workers compensation law.

Casualty Actuarial Society

A professional society for actuaries in areas of property and casualty insurance work. This society grants the designation of Associate of the Casualty Actuarial Society (ACAS) and Fellow of the Casualty Actuarial Society (FCAS).

Claim

Demand by an individual or entity to recover for a loss.

Claims Made

A policy written on this basis covers only those claims that are made during the policy period. Coverage for prior acts is provided back to what is known as the retroactive date, which is the effective date of the original claims made policy with the same insurer.

Composite Rate

A single rate with a single basis of premium (e.g., payroll or sales). For this single rate the insured is covered for a variety of hazards, such as premises and operations, completed operations, products liability, and automobile. Its primary value is to compute premium simply.

Confidence Level

A confidence level is the statistical certainty that an actuary believes funding will be sufficient. For example, an 80% confidence level means that the actuary believes funding will be sufficient in eight years out of ten.

Confidence levels are determined based on mathematical models. Coverages that are low frequency and high severity (such as excess liability) are subject to greater risk than coverages that are high frequency and low severity (such as automobile physical damage). Therefore, they need a greater margin to attain a given confidence level.

Coverage

The scope of the protection provided under a contract of insurance.

Credibility

Credibility is the belief that the sample data is an accurate reflection of the larger population. Credibility is highest when the sample data is large and the standard deviation (discussed later) of the larger population is low.

Dates

There are at least three milestone dates in a claim. They are the date of injury or accident, the date of report and the date of closure. It is best if each of these dates is recorded. Some organizations may also keep the date a claim becomes a lawsuit, as opposed to a demand. Aon recommends this additional level of detail, especially if the data is to be used for litigation management.

Deductible

The portion of an insured loss to be borne by the insured before he is entitled to recovery from the insurer. Deductibles may be expressed as a dollar amount, percentage or waiting period.

Disability

A condition that curtails a person's ability to carry on his normal pursuits. A disability may be partial or total, and temporary or permanent.

Dividend (Policyholder)

The return of part of the premium paid for a policy issued on a participating basis by either a mutual or a stock insurer.

Estimated Outstanding Losses

Estimated outstanding losses are the cost of claims that have occurred but have not yet been paid. They typically include indemnification and allocated loss adjustment expenses (ALAE), but not unallocated loss adjustment expenses (ULAE).

Estimated outstanding losses are calculated as projected ultimate losses less paid losses. Alternatively, they are the sum of case reserves and incurred but not reported (IBNR) claims.

Estimated outstanding losses are usually the largest single item listed as a liability on the balance sheet of a public entity's financial statement. GASB Statement No. 10 requires they be calculated by actuarial methods. Other common names for estimated outstanding losses are outstanding claims liabilities and unpaid claims.

Experience Rating

A method of adjusting the premium for a risk based on past loss experience for that risk compared to loss experience for an average risk.

Exposure Data

Exposure data refers to the activities of the organization. For example, payroll is the most common exposure measure for workers compensation. Aon suggests collecting exposure data with the following characteristics:

- **Readily Available.** The exposure data should be easily obtained. It is best if it is a byproduct of other activities, although this is not always possible. If getting data is arduous, it may discourage collection.
- **Vary With Losses.** The exposure data should correlate directly with losses. The ideal situation is where exposure and expected losses move in tandem. The exposure base needs to be fitting to the coverage. For example, the number of employees may vary with property losses (more employees = more office space = more losses), but property value is a clearly superior exposure base for property losses.

Generally Accepted Accounting Principles (GAAP)

These principles are intended to produce financial results (in the insurance industry) consistent with those of other industries and to assure consistency in financial reporting.

Incurred But Not Reported

IBNR is really comprised of two distinct items. These are the development of known case reserves (incurred but not enough reported [IBNER] and incurred but not yet reported [IBNYR]).

IBNER are the actuary's estimate of the inadequacy of case reserves. Most claims settle at amounts close to what is set by the claims administrator. Some claims close favorably and some emerge as more expensive. On balance, case reserves tend to be too low (especially for recent years). IBNER is the actuary's estimate of the amount total case reserves will rise upon closure.

IBNYR refers to those claims that have occurred, but have not yet been reported. A classic example is medical malpractice claim reported several years after the medical procedure was performed.

Insurance Services Office (ISO)

An organization of the property and casualty insurance business designed to gather statistics, promulgate rates, and develop policy forms.

Investment Income

The return received by entities from their investment portfolios, including interest, dividends and realized capital gains on stocks. Realized capital gains means the profit realized on

assets that have actually been sold for more than their purchase price.

Limited

Most programs purchase excess insurance for catastrophic claims. For example, they may purchase coverage for claims above a \$500,000 per occurrence self-insured retention. "Limited" refers to an estimate or projection being limited to the self-insured retention. In contrast, "unlimited" means a loss projection not limited to the self-insured retention.

Other common names for limited are net of excess insurance or capped losses.

Loss Development

The difference between the amount of losses initially estimated by the insurer and the amount reported in an evaluation on a later date. Loss development is typically measured for paid losses, reported incurred losses and claim counts.

Manual Rates

Usually, the published rate for some unit of insurance. An example is in the workers compensation manual, where the rates shown apply to each \$100 of the payroll of the insured, \$100 being the "unit."

National Council on Compensation Insurance (NCCI)

An association of workers compensation insurance companies whose main functions are collecting statistics and calculating rates, establishing policy wording, developing experience and retrospective rating plans, and serving as the filing organization for member companies.

Net

Many pooling programs assign deductibles to members. For example, each member may have a \$5,000 per claim deductible. "Net" refers to a loss estimate or projection that excludes amounts below member deductibles.

Occurrence

An event that results in an insured loss. In some lines of insurance, such as general liability, it is distinguished from accident in that the loss does not have to be sudden and fortuitous and can result from continuous or repeated exposure that results in bodily injury or property damage neither expected nor intended by the insured.

Pool

An organization of entities through which particular types of risks are written with the premiums, losses, and expenses shared in agreed amounts among the members belonging to the organization.

Premium

The price of insurance protection for a specified risk for a specified period of time.

Present Value

The amount of money that future amounts receivable are currently worth. For example, a Life Insurance policy may provide for payments to be made monthly for ten years. The present value of that money would be less than the total amount of the regular periodic payments for 10 years because of the amount of interest that a present lump sum could earn during the term than the payments otherwise would have been made.

Probability

The probability is the likelihood of an event. It is a measure of how likely a value or event is to occur. It can be measured from data by calculating the number of occurrences of the value or event divided by the total number of occurrences. This calculation can be converted to a percentage. For example, tossing a coin has a 50% probability of heads or tails.

Projected Losses Paid

Projected losses paid are the projected claims disbursements in a period, regardless of when the claim occurred. They typically include indemnification and ALAE, but not unallocated loss adjustment expenses (ULAE).

“Projected losses paid” is a cash-flow analysis that can be used in making investment decisions.

Projected Ultimate Losses

Projected ultimate losses are the accrual value of claims. They are the total amount that is expected to be paid in a particular claim period after all claims are closed. Projected ultimate losses are the total loss costs for a particular period. They typically include indemnification and ALAE, but not ULAE.

Other common names for projected ultimate losses are expected losses, ultimate losses and total losses.

Rate

The cost of a given unit of insurance. For example, in life insurance, it is the price of \$1,000 of the face amount. In property insurance, it is the rate per \$100 of value to be insured. The premium is the rate multiplied by the number of units of insurance purchased.

Retrospective Rating

A method for which the final premium is not determined until the end of the coverage period, and is based on the insured's own loss experience for that same period. It is usually subject to a maximum and minimum premium. A plan of this type can be used in various types of insurance, especially workers compensation and liability, and is usually elected by only very large insureds.

Salvage

Property taken over by an entity to reduce its loss. Automobile physical damage losses can be reduced by the sale of recovered vehicles.

Schedule Rating

The application of debits or credits within established ranges for various characteristics of a risk according to an established schedule of items. Under liability and automobile insurance, the schedule rating plan allows credits and debits for various good or bad features of a particular commercial risk. An example in automobile schedule rating would be allowing credits for driver training classes or fleet maintenance programs.

Self-Insurance Retention (SIR)

That portion of a risk or potential loss assumed by an insured. It is often in the form of a per occurrence deductible.

Society of Actuaries (SOA)

A professional society for actuaries in areas of pensions, and life and health insurance work. The SOA grants the designation Associate of the Society of Actuaries (ASA) and Fellow of the Society of Actuaries (FSA).

Standard Premium

Most often used in connection with retrospective rating for Workers Compensation and General Liability Insurance. It is the premium of which the basic premium is a percentage and is developed by applying the regular rates to an insured's payroll.

State Fund

A fund set up by a state government to finance a mandatory insurance system, such as Workers Compensation or non-occupational disability benefits. Such a fund may be monopolistic, i.e., purchasers of the type of insurance required must place it in the state fund; or it may be competitive, i.e., an alternative to private insurance if the purchaser desires to use it.

Statutory Accounting Principles (SAP)

Those principles required by statute that must be followed by an insurance company or other similar entity when submitting its financial statement to the state insurance department. Such principles differ from (GAAP) in some important respects. For one thing SAP requires that expenses must be recorded immediately and cannot be deferred to track with premiums as they are earned and taken into revenue.

Unallocated Loss Adjustment Expenses

Unallocated loss adjustment expenses (ULAE) are the indirect expenses to settle claims. These expenses are primarily administration and claims handling expenses.

GASB Statement No. 10 requires that ULAE be included in financial statements and that they be calculated by actuarial methods.



Appendix C

Exhibits

The attached exhibits detail our analysis.



CITY OF SCOTTSDALE, ARIZONA
WORKERS' COMPENSATION

Exhibit WC-1 (page 1)

Data Summary as of June 30, 2021
Losses Limited to Self-Insured Retention

Claim Period (1)	Specific Self-Insured Retention (2)	Aggregate Retention (3)	Months of Development 6/30/21 (4)	Payroll (000) (5)	Reported Claims 6/30/21 (6)	Open Claims 6/30/21 (7)	Limited Paid Losses 6/30/21 (8)	Limited Case Reserves 6/30/21 (9)	Limited Reported Incurred Losses 6/30/21 (10)
to 2001/02	See Note	None	240.0	Not Provided	2,177	40	\$13,100,364	\$1,093,140	\$14,193,504
2002/03	400,000	None	228.0	82,440	155	1	662,461	3,446	665,908
2003/04	600,000	None	216.0	105,138	166	3	1,098,235	280,203	1,378,438
2004/05	600,000	None	204.0	116,434	182	0	632,321	0	632,321
2005/06	600,000	None	192.0	154,232	244	3	756,450	92,176	848,626
2006/07	750,000	None	180.0	174,162	234	4	1,317,436	220,966	1,538,402
2007/08	750,000	None	168.0	179,886	236	5	1,674,940	362,843	2,037,783
2008/09	750,000	None	156.0	183,035	256	4	2,197,143	567,577	2,764,720
2009/10	750,000	None	144.0	175,054	244	4	1,479,601	143,569	1,623,170
2010/11	750,000	None	132.0	165,150	268	3	1,147,029	57,797	1,204,825
2011/12	850,000	None	120.0	154,467	276	3	1,838,501	64,961	1,903,462
2012/13	1,000,000	None	108.0	158,387	235	2	1,060,703	17,011	1,077,714
2013/14	1,000,000	None	96.0	164,628	286	4	1,577,377	159,636	1,737,013
2014/15	1,000,000	None	84.0	165,752	384	9	2,803,602	744,009	3,547,611
2015/16	1,000,000	None	72.0	168,042	322	9	3,375,165	873,508	4,248,673
2016/17	1,000,000	None	60.0	164,127	314	8	2,208,643	510,225	2,718,868
2017/18	1,000,000	None	48.0	159,639	337	21	4,407,589	607,086	5,014,675
2018/19	1,000,000	None	36.0	168,399	386	23	2,578,997	368,873	2,947,870
2019/20	1,000,000	None	24.0	151,354 +	256	38	1,562,482	554,898	2,117,379
2020/21	1,000,000	None	12.0	141,289 +	207	99	1,123,550	1,182,288	2,305,837
Total					7,165	283	\$46,602,590	\$7,904,211	\$54,506,801

+ based on the data provided and the following risk-adjustment factors to reflect the impact of COVID-19:

Claim Period	Payroll Provided	Risk-Adjustment Factor	Risk-Adjusted Payroll
2019/20	170,060,842	0.89	151,354,149
2020/21	176,611,802	0.80	141,289,442

* The specific self-insured retention changes are as follows:

Effective Date	Retention
07/01/78	\$250,000
07/01/81	200,000
07/01/82	150,000
07/01/86	175,000
07/01/88	250,000
07/01/89	300,000
07/01/96	250,000
07/01/02	400,000
07/01/03	600,000
07/01/06	750,000
07/01/11	850,000
07/01/12	1,000,000

(8), (9) and (10) are net of the specific self-insured retention and other recoveries.

Data was provided by the City.



CITY OF SCOTTSDALE, ARIZONA
WORKERS' COMPENSATION

Exhibit WC-1 (page 2)

Data Summary as of June 30, 2021
Net Unlimited Losses

Claim Period (1)	Specific Self-Insured Retention (2)	Aggregate Retention (3)	Months of Development 6/30/21 (4)	Payroll (000) (5)	Reported Claims 6/30/21 (6)	Open Claims 6/30/21 (7)	Net Unlimited Paid Losses 6/30/21 (8)	Net Unlimited Case Reserves 6/30/21 (9)	Net Unlimited Reported Incurred Losses 6/30/21 (10)
to 2001/02	Unlimited	None	240.0	Not Provided	2,177	40	\$15,408,808	\$1,711,087	\$17,119,894
2002/03	Unlimited	None	228.0	82,440	155	1	662,461	3,446	665,908
2003/04	Unlimited	None	216.0	105,138	166	3	1,098,235	280,203	1,378,438
2004/05	Unlimited	None	204.0	116,434	182	0	632,321	0	632,321
2005/06	Unlimited	None	192.0	154,232	244	3	756,450	92,176	848,626
2006/07	Unlimited	None	180.0	174,162	234	4	1,317,436	390,266	1,707,702
2007/08	Unlimited	None	168.0	179,886	236	5	1,674,940	362,843	2,037,783
2008/09	Unlimited	None	156.0	183,035	256	4	2,197,143	660,968	2,858,112
2009/10	Unlimited	None	144.0	175,054	244	4	1,479,601	143,569	1,623,170
2010/11	Unlimited	None	132.0	165,150	268	3	1,147,029	57,797	1,204,825
2011/12	Unlimited	None	120.0	154,467	276	3	1,838,501	64,961	1,903,462
2012/13	Unlimited	None	108.0	158,387	235	2	1,060,703	17,011	1,077,714
2013/14	Unlimited	None	96.0	164,628	286	4	1,577,377	159,636	1,737,013
2014/15	Unlimited	None	84.0	165,752	384	9	2,803,602	744,009	3,547,611
2015/16	Unlimited	None	72.0	168,042	322	9	3,375,165	873,508	4,248,673
2016/17	Unlimited	None	60.0	164,127	314	8	2,208,643	510,225	2,718,868
2017/18	Unlimited	None	48.0	159,639	337	21	5,598,086	929,589	6,527,675
2018/19	Unlimited	None	36.0	168,399	386	23	2,578,997	368,873	2,947,870
2019/20	Unlimited	None	24.0	151,354	256	38	1,562,482	554,898	2,117,379
2020/21	Unlimited	None	12.0	141,289	207	99	1,123,550	1,182,288	2,305,837
Total					7,165	283	\$50,101,531	\$9,107,352	\$59,208,882

(8), (9) and (10) are gross of the specific self-insured retention and net of other recoveries.

Data was provided by the City.



CITY OF SCOTTSDALE, ARIZONA
WORKERS' COMPENSATION

Data Summary as of June 30, 2021
Gross Unlimited Losses

Claim Period (1)	Specific Self-Insured Retention (2)	Aggregate Retention (3)	Months of Development 6/30/21 (4)	Payroll (000) (5)	Reported Claims 6/30/21 (6)	Open Claims 6/30/21 (7)	Gross Unlimited Paid Losses 6/30/21 (8)	Gross Unlimited Case Reserves 6/30/21 (9)	Gross Unlimited Reported Incurred Losses 6/30/21 (10)
to 2001/02	Unlimited	None	240.0	Not Provided	2,177	40	\$16,189,130	\$1,711,087	\$17,900,216
2002/03	Unlimited	None	228.0	82,440	155	1	703,587	3,446	707,033
2003/04	Unlimited	None	216.0	105,138	166	3	1,125,217	280,203	1,405,419
2004/05	Unlimited	None	204.0	116,434	182	0	668,360	0	668,360
2005/06	Unlimited	None	192.0	154,232	244	3	791,019	92,176	883,195
2006/07	Unlimited	None	180.0	174,162	234	4	1,352,212	390,266	1,742,478
2007/08	Unlimited	None	168.0	179,886	236	5	1,685,219	362,843	2,048,063
2008/09	Unlimited	None	156.0	183,035	256	4	2,224,406	660,968	2,885,374
2009/10	Unlimited	None	144.0	175,054	244	4	1,489,112	143,569	1,632,681
2010/11	Unlimited	None	132.0	165,150	268	3	1,176,556	57,797	1,234,353
2011/12	Unlimited	None	120.0	154,467	276	3	1,872,135	64,961	1,937,096
2012/13	Unlimited	None	108.0	158,387	235	2	1,121,476	17,011	1,138,487
2013/14	Unlimited	None	96.0	164,628	286	4	1,618,709	159,636	1,778,345
2014/15	Unlimited	None	84.0	165,752	384	9	2,871,173	744,009	3,615,183
2015/16	Unlimited	None	72.0	168,042	322	9	3,407,011	873,508	4,280,519
2016/17	Unlimited	None	60.0	164,127	314	8	2,257,364	510,225	2,767,589
2017/18	Unlimited	None	48.0	159,639	337	21	5,649,496	929,589	6,579,085
2018/19	Unlimited	None	36.0	168,399	386	23	2,628,710	368,873	2,997,583
2019/20	Unlimited	None	24.0	151,354	256	38	1,584,702	554,898	2,139,599
2020/21	Unlimited	None	12.0	141,289	207	99	1,133,830	1,182,288	2,316,118
Total					7,165	283	\$51,549,424	\$9,107,352	\$60,656,776

(8), (9) and (10) are gross of the specific self-insured retention and other recoveries.

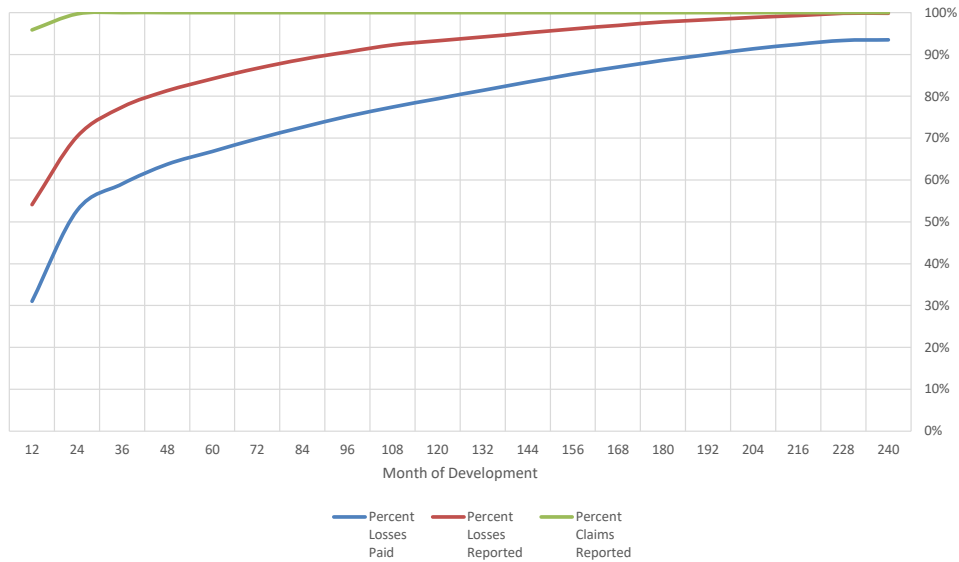
Data was provided by the City.



CITY OF SCOTTSDALE, ARIZONA
WORKERS' COMPENSATION

Summary of Percent Losses Paid, Losses Reported and Claims Reported

Months of Development (1)	Percent Losses Paid (2)	Percent Losses Reported (3)	Percent Claims Reported (4)
360.0	98.7%	100.0%	100.0%
348.0	98.5%	100.0%	100.0%
336.0	98.2%	100.0%	100.0%
324.0	97.9%	100.0%	100.0%
312.0	97.5%	100.0%	100.0%
300.0	97.1%	100.0%	100.0%
288.0	96.6%	100.0%	100.0%
276.0	96.0%	100.0%	100.0%
264.0	95.3%	100.0%	100.0%
252.0	94.4%	100.0%	100.0%
240.0	93.5%	99.8%	100.0%
228.0	93.4%	99.8%	100.0%
216.0	92.4%	99.3%	100.0%
204.0	91.3%	98.8%	100.0%
192.0	90.0%	98.3%	100.0%
180.0	88.6%	97.7%	100.0%
168.0	87.0%	97.0%	100.0%
156.0	85.3%	96.1%	100.0%
144.0	83.4%	95.1%	100.0%
132.0	81.4%	94.2%	100.0%
120.0	79.4%	93.3%	100.0%
108.0	77.4%	92.3%	100.0%
96.0	75.2%	90.6%	100.0%
84.0	72.6%	88.8%	100.0%
72.0	69.8%	86.7%	100.0%
60.0	66.8%	84.2%	100.0%
48.0	63.8%	81.3%	100.0%
36.0	59.0%	77.4%	100.0%
24.0	52.7%	70.4%	99.7%
12.0	31.0%	54.1%	95.9%



(2) is from Exhibit WC-2 (page 2).

(3) is from Exhibit WC-2 (page 3).

(4) is from Exhibit WC-2 (page 4).



CITY OF SCOTTSDALE, ARIZONA
WORKERS' COMPENSATION

Historical Limited Paid Losses (\$000) and Limited Paid Loss Development

I. Historical Limited Paid Losses (\$000)

Claim Period	Months of Development:																			
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204	216	228	240
to 2001/02																				
2002/03	204	334	376	362	369	382	387	391	395	396	397	397	401	403	403	403	403	439	662	
2003/04	301	526	565	597	609	620	655	686	784	838	899	933	967	1,024	1,043	1,063	1,081	1,098		
2004/05	215	356	391	396	398	398	415	479	479	553	557	631	632	632	632	632	632			
2005/06	286	472	490	538	589	599	606	614	629	641	659	669	699	721	745	756				
2006/07	379	749	886	934	964	996	1,023	1,064	1,169	1,206	1,237	1,250	1,262	1,283	1,317					
2007/08	362	835	916	934	942	956	1,057	1,098	1,339	1,463	1,520	1,558	1,644	1,675						
2008/09	706	1,213	1,405	1,522	1,621	1,764	1,857	1,968	2,010	2,055	2,090	2,147	2,197							
2009/10	470	644	782	893	1,069	1,185	1,258	1,305	1,352	1,394	1,436	1,480								
2010/11	477	830	955	1,053	1,071	1,089	1,108	1,124	1,133	1,138	1,147									
2011/12	652	1,109	1,245	1,454	1,570	1,640	1,686	1,731	1,802	1,839										
2012/13	548	983	1,044	1,025	1,046	1,051	1,056	1,059	1,061											
2013/14	915	1,282	1,384	1,432	1,461	1,477	1,495	1,577												
2014/15	1,318	1,902	2,129	2,480	2,535	2,668	2,804													
2015/16	1,973	2,906	3,140	3,222	3,296	3,375														
2016/17	927	1,822	2,060	2,169	2,209															
2017/18	1,635	3,614	3,947	4,408																
2018/19	1,410	2,115	2,579																	
2019/20	809	1,562																		
2020/21	1,124																			

II. Limited Paid Loss Development

Claim Period	Months of Development:																			
	12-24	24-36	36-48	48-60	60-72	72-84	84-96	96-108	108-120	120-132	132-144	144-156	156-168	168-180	180-192	192-204	204-216	216-228	228-240	240-Ult
to 2001/02																				
2002/03	1.638	1.126	0.964	1.019	1.037	1.012	1.010	1.010	1.003	1.002	1.000	1.011	1.003	1.000	1.000	1.000	1.091	1.507		
2003/04	1.745	1.076	1.057	1.019	1.017	1.058	1.048	1.142	1.069	1.073	1.038	1.036	1.059	1.018	1.019	1.017	1.016			
2004/05	1.657	1.096	1.013	1.005	1.002	1.041	1.155	1.000	1.155	1.006	1.134	1.002	1.000	1.000	1.000	1.000				
2005/06	1.649	1.037	1.097	1.095	1.018	1.012	1.012	1.025	1.020	1.028	1.016	1.045	1.031	1.032	1.016					
2006/07	1.973	1.183	1.055	1.032	1.033	1.027	1.040	1.099	1.031	1.026	1.010	1.009	1.017	1.027						
2007/08	2.304	1.097	1.019	1.009	1.014	1.107	1.039	1.219	1.093	1.039	1.025	1.055	1.019							
2008/09	1.720	1.158	1.083	1.065	1.088	1.052	1.060	1.021	1.023	1.017	1.027	1.023								
2009/10	1.371	1.213	1.142	1.198	1.108	1.062	1.038	1.036	1.031	1.030	1.031									
2010/11	1.740	1.151	1.102	1.017	1.017	1.017	1.014	1.008	1.004	1.008										
2011/12	1.700	1.123	1.168	1.080	1.044	1.028	1.027	1.041	1.021											
2012/13	1.796	1.062	0.982	1.020	1.005	1.005	1.004	1.001												
2013/14	1.400	1.080	1.035	1.020	1.011	1.012	1.055													
2014/15	1.444	1.119	1.165	1.022	1.052	1.051														
2015/16	1.473	1.080	1.026	1.023	1.024															
2016/17	1.966	1.131	1.053	1.018																
2017/18	2.211	1.092	1.117																	
2018/19	1.500	1.219																		
2019/20	1.932																			
2020/21																				
Average																				
All	1.734	1.120	1.067	1.043	1.034	1.037	1.042	1.055	1.045	1.025	1.035	1.026	1.022	1.016	1.009	1.006	1.054	1.507		
Wtd 3	1.892	1.137	1.071	1.022	1.031	1.030	1.031	1.021	1.019	1.019	1.028	1.030	1.021	1.022	1.013	1.009				
Last 3	1.881	1.148	1.065	1.021	1.029	1.022	1.029	1.017	1.019	1.018	1.028	1.029	1.022	1.020	1.011	1.006				
Last 5	1.799	1.114	1.068	1.021	1.027	1.019	1.026	1.022	1.025	1.024	1.023	1.026	1.022	1.015						
x-hi,low																				
Similar	1.764	1.136	1.069	1.047	1.035	1.025	1.021	1.018	1.015	1.014	1.012	1.017	1.014	1.015	1.013	1.011	1.012	1.011	1.162	
Previous	1.700	1.120	1.080	1.050	1.045	1.040	1.035	1.030	1.028	1.025	1.023	1.022	1.020	1.018	1.018	1.015	1.012	1.008	1.001	
Selected	1.700	1.120	1.080	1.048	1.045	1.040	1.035	1.030	1.026	1.025	1.024	1.023	1.020	1.018	1.016	1.015	1.012	1.010	1.001	
Cumulative	3.224	1.897	1.694	1.568	1.496	1.432	1.377	1.330	1.291	1.259	1.228	1.199	1.172	1.149	1.129	1.111	1.095	1.082	1.071	
Percent	31.0%	52.7%	59.0%	63.8%	66.8%	69.8%	72.6%	75.2%	77.4%	79.4%	81.4%	83.4%	85.3%	87.0%	88.6%	90.0%	91.3%	92.4%	93.4%	

Amounts are limited (net of excess insurance).

Data was provided by the City.

Historical Limited Reported Incurred Losses (\$000) and Limited Reported Incurred Loss Development

I. Historical Limited Reported Incurred Losses (\$000)

Claim Period	Months of Development:																				
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204	216	228	240	
to 2001/02																					
2002/03	331	376	561	508	509	511	389	393	398	398	398	398	418	418	418	418	403	482	666		
2003/04	515	684	798	803	807	807	834	852	944	1,242	1,202	1,231	1,298	1,388	1,381	1,381	1,378	1,378			
2004/05	281	370	401	401	399	399	422	481	481	605	605	658	658	657	657	657	632				
2005/06	397	491	501	584	613	611	623	626	649	679	761	747	836	835	830	849					
2006/07	515	859	1,363	1,360	1,285	1,317	1,324	1,366	1,419	1,442	1,442	1,447	1,538	1,538	1,538						
2007/08	499	1,213	1,213	1,213	1,215	1,217	1,365	1,564	1,719	1,980	1,984	1,977	2,055	2,038							
2008/09	1,184	1,572	1,960	2,114	2,568	2,770	2,864	2,802	2,781	2,785	2,711	2,767	2,765								
2009/10	610	681	838	1,194	1,357	1,557	1,630	1,648	1,605	1,598	1,607	1,623									
2010/11	626	906	1,056	1,119	1,138	1,213	1,178	1,188	1,204	1,204	1,205										
2011/12	831	1,444	1,547	1,700	1,810	1,807	1,825	1,841	1,922	1,903											
2012/13	778	1,208	1,142	1,079	1,089	1,084	1,099	1,085	1,078												
2013/14	1,350	1,502	1,577	1,741	1,701	1,672	1,655	1,737													
2014/15	2,072	2,451	2,838	3,229	3,338	3,476															
2015/16	3,388	4,339	4,559	4,177	4,159	4,249															
2016/17	2,473	2,431	2,846	2,780	2,719																
2017/18	3,831	4,770	4,923	5,015																	
2018/19	2,675	2,889	2,948																		
2019/20	1,289	2,117																			
2020/21	2,306																				

II. Limited Reported Incurred Loss Development

Claim Period	Months of Development:																				
	12-24	24-36	36-48	48-60	60-72	72-84	84-96	96-108	108-120	120-132	132-144	144-156	156-168	168-180	180-192	192-204	204-216	216-228	228-240	240-Ult	
to 2001/02																					
2002/03	1.133	1.494	0.905	1.003	1.003	0.762	1.010	1.011	1.000	1.001	1.000	1.049	1.001	1.000	1.000	0.963	1.198	1.380			
2003/04	1.327	1.166	1.007	1.005	1.001	1.034	1.021	1.109	1.315	0.968	1.024	1.055	1.070	0.995	1.000	0.998	1.000				
2004/05	1.315	1.084	1.000	0.995	1.002	1.056	1.141	0.999	1.259	1.000	1.088	1.000	0.998	1.000	1.000	0.963					
2005/06	1.237	1.020	1.167	1.048	0.997	1.019	1.005	1.038	1.046	1.120	0.981	1.120	0.998	0.994	1.022						
2006/07	1.668	1.587	0.998	0.945	1.025	1.005	1.032	1.039	1.016	1.000	1.003	1.063	1.000	1.000							
2007/08	2.433	1.000	1.000	1.002	1.001	1.122	1.146	1.099	1.152	1.002	0.997	1.040	0.992								
2008/09	1.327	1.247	1.078	1.215	1.079	1.034	0.978	0.993	1.001	0.973	1.021	0.999									
2009/10	1.117	1.230	1.425	1.137	1.148	1.046	1.011	0.974	0.996	1.005	1.010										
2010/11	1.448	1.165	1.060	1.017	1.066	0.971	1.008	1.014	1.000	1.000											
2011/12	1.737	1.071	1.099	1.065	0.998	1.010	1.009	1.044	0.990												
2012/13	1.552	0.945	0.945	1.009	0.995	1.014	0.987	0.993													
2013/14	1.113	1.050	1.103	0.977	0.983	0.990	1.049														
2014/15	1.183	1.158	1.138	1.034	1.041	1.021															
2015/16	1.281	1.051	0.916	0.996	1.022																
2016/17	0.983	1.171	0.977	0.978																	
2017/18	1.245	1.032	1.019																		
2018/19	1.080	1.020																			
2019/20	1.642																				
2020/21																					
Average																					
All	1.379	1.147	1.052	1.028	1.026	1.006	1.033	1.028	1.078	1.008	1.016	1.047	1.010	0.998	1.006	0.975	1.099	1.380			
Wtd 3	1.254	1.062	0.971	1.003	1.022	1.011	1.018	1.022	0.995	0.988	1.010	1.027	0.996	0.998	1.006	0.983					
Last 3	1.322	1.074	0.971	1.003	1.015	1.008	1.015	1.017	0.995	0.993	1.009	1.034	0.997	0.998	1.007	0.975					
Last 5	1.202	1.080	1.033	0.994	1.005	1.005	1.010	1.000	0.999	1.001	1.003	1.034	0.999	0.998							
x-hi,low																					
Similar	1.239	1.062	1.041	1.029	1.016	1.010	1.014	1.008	1.003	1.010	1.004	1.009	1.006	1.012	1.006	1.005	1.008	0.999	1.038		
Previous	1.275	1.120	1.060	1.040	1.035	1.025	1.020	1.018	1.012	1.010	1.010	1.010	1.010	1.010	1.005	1.005	1.005	1.005	1.000	1.002	
Selected	1.300	1.100	1.050	1.035	1.030	1.025	1.020	1.018	1.011	1.010	1.010	1.010	1.009	1.008	1.006	1.005	1.005	1.005	1.000	1.002	
Cumulative	1.847	1.421	1.291	1.230	1.188	1.154	1.126	1.104	1.084	1.072	1.062	1.051	1.041	1.031	1.023	1.017	1.012	1.007	1.002	1.002	
Percent	54.1%	70.4%	77.4%	81.3%	84.2%	86.7%	88.8%	90.6%	92.3%	93.3%	94.2%	95.1%	96.1%	97.0%	97.7%	98.3%	98.8%	99.3%	99.8%	99.8%	

Amounts are limited (net of excess insurance).

Data was provided by the City.



CITY OF SCOTTSDALE, ARIZONA
WORKERS' COMPENSATION

Historical Reported Claims and Reported Claim Development

I. Historical Reported Claims

Claim Period	Months of Development:																			
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204	216	228	240
to 2001/02																				
2002/03	138	150	155	155	155	155	155	155	155	155	155	155	155	155	155	155	155	155	155	155
2003/04	140	165	165	165	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166
2004/05	151	181	181	182	182	182	182	182	182	182	182	182	182	182	182	182	182	182	182	182
2005/06	225	244	244	244	244	244	244	244	244	244	244	244	244	244	244	244	244	244	244	244
2006/07	206	232	234	234	234	234	234	234	234	234	234	234	234	234	234	234	234	234	234	234
2007/08	200	230	231	231	231	232	235	235	235	235	236	236	236	236	236	236	236	236	236	236
2008/09	185	206	206	206	206	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256
2009/10	161	181	183	183	244	244	244	244	244	244	244	244	244	244	244	244	244	244	244	244
2010/11	177	192	195	268	268	268	268	268	268	268	268	268	268	268	268	268	268	268	268	268
2011/12	182	193	276	276	276	276	276	276	276	276	276	276	276	276	276	276	276	276	276	276
2012/13	174	235	235	235	235	235	235	235	235	235	235	235	235	235	235	235	235	235	235	235
2013/14	283	285	285	286	286	286	286	286	286	286	286	286	286	286	286	286	286	286	286	286
2014/15	374	383	384	384	384	384	384	384	384	384	384	384	384	384	384	384	384	384	384	384
2015/16	315	322	322	322	322	322	322	322	322	322	322	322	322	322	322	322	322	322	322	322
2016/17	303	313	314	314	314	314	314	314	314	314	314	314	314	314	314	314	314	314	314	314
2017/18	331	337	337	337	337	337	337	337	337	337	337	337	337	337	337	337	337	337	337	337
2018/19	364	385	386	386	386	386	386	386	386	386	386	386	386	386	386	386	386	386	386	386
2019/20	234	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256
2020/21	207	207	207	207	207	207	207	207	207	207	207	207	207	207	207	207	207	207	207	207

II. Reported Claim Development

Claim Period	Months of Development:																			
	12-24	24-36	36-48	48-60	60-72	72-84	84-96	96-108	108-120	120-132	132-144	144-156	156-168	168-180	180-192	192-204	204-216	216-228	228-240	240-Ult
to 2001/02																				
2002/03	1.087	1.033	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2003/04	1.179	1.000	1.000	1.006	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2004/05	1.199	1.000	1.006	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2005/06	1.084	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2006/07	1.126	1.009	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2007/08	1.150	1.004	1.000	1.000	1.004	1.013	1.000	1.000	1.000	1.004	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2008/09	1.114	1.000	1.000	1.000	1.243	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2009/10	1.124	1.011	1.000	1.333	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2010/11	1.085	1.016	1.374	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2011/12	1.060	1.430	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2012/13	1.351	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2013/14	1.007	1.000	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
2014/15	1.024	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
2015/16	1.022	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2016/17	1.033	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
2017/18	1.018	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2018/19	1.058	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
2019/20	1.094	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2020/21	1.094	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Average																				
All	1.101	1.030	1.024	1.023	1.018	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
Wtd 3	1.053	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
Last 3	1.057	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
Last 5	1.038	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
x-hi,low																				
Similar	1.131	1.019	1.010	1.007	1.007	1.005	1.005	1.006	1.006	1.001	1.001	1.001	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Previous	1.028	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
Selected	1.040	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
Cumulative	1.043	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
Percent	95.9%	99.7%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Data was provided by the City.



CITY OF SCOTTSDALE, ARIZONA
WORKERS' COMPENSATION

Historical Ratio of Limited Paid Losses and Limited Reported Incurred Losses

Claim Period	Months of Development:																				
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204	216	228	240	
to 2001/02																					
2002/03	61.5%	88.8%	66.9%	71.3%	72.4%	74.8%	99.5%	99.4%	99.4%	99.6%	99.7%	99.7%	96.1%	96.3%	96.3%	96.3%	100.0%	91.1%	99.5%		
2003/04	58.5%	76.8%	70.9%	74.4%	75.5%	76.7%	78.5%	80.6%	83.0%	67.5%	74.8%	75.8%	74.5%	73.8%	75.6%	77.0%	78.4%	79.7%			
2004/05	76.5%	96.4%	97.5%	98.8%	99.8%	99.8%	98.3%	99.5%	99.6%	91.4%	91.9%	95.9%	96.0%	96.3%	96.3%	96.3%	100.0%				
2005/06	72.1%	96.2%	97.9%	92.0%	96.1%	98.1%	97.4%	98.1%	96.8%	94.4%	86.6%	89.6%	83.7%	86.4%	89.7%	89.1%					
2006/07	73.7%	87.2%	65.0%	68.7%	75.0%	75.6%	77.3%	77.9%	82.4%	83.7%	85.8%	86.4%	82.0%	83.4%	85.6%						
2007/08	72.7%	68.8%	75.5%	77.0%	77.5%	78.5%	77.5%	70.2%	77.9%	73.9%	76.6%	78.8%	80.0%	82.2%							
2008/09	59.6%	77.2%	71.7%	72.0%	63.1%	63.7%	64.8%	70.2%	72.3%	73.8%	77.1%	77.6%	79.5%								
2009/10	77.1%	94.6%	93.3%	74.8%	78.8%	76.1%	77.2%	79.2%	84.3%	87.2%	89.4%	91.2%									
2010/11	76.2%	91.6%	90.5%	94.1%	94.1%	89.8%	94.1%	94.6%	94.1%	94.5%	95.2%										
2011/12	78.4%	76.8%	80.5%	85.5%	86.7%	90.8%	92.4%	94.0%	93.7%	96.6%											
2012/13	70.4%	81.4%	91.4%	95.0%	96.0%	96.9%	96.0%	97.6%	98.4%												
2013/14	67.8%	85.4%	87.7%	82.3%	85.9%	88.4%	90.3%	90.8%													
2014/15	63.6%	77.6%	75.0%	76.8%	75.9%	76.7%	79.0%														
2015/16	58.2%	67.0%	68.9%	77.1%	79.3%	79.4%															
2016/17	37.5%	74.9%	72.4%	78.0%	81.2%																
2017/18	42.7%	75.8%	80.2%	87.9%																	
2018/19	52.7%	73.2%	87.5%																		
2019/20	62.7%	73.8%																			
2020/21	48.7%																				
Average																					
All	63.7%	81.3%	80.8%	81.6%	82.5%	83.2%	86.3%	87.7%	89.3%	86.2%	86.4%	86.9%	84.5%	86.4%	88.7%	89.7%	92.8%	85.4%	99.5%		
Last 3	54.7%	74.2%	80.0%	81.0%	78.8%	81.5%	88.5%	94.2%	95.4%	92.8%	87.2%	82.5%	80.5%	84.0%	90.5%	87.5%	92.8%				
Last 5	48.0%	74.0%	75.9%	79.1%	82.1%	86.2%	92.2%	93.1%	90.7%	85.2%	84.1%	85.0%	81.9%	84.0%	90.5%						
x-hi,low																					
Implicit	57.3%	74.9%	76.3%	78.4%	79.4%	80.6%	81.8%	83.0%	83.9%	85.2%	86.4%	87.6%	88.8%	89.7%	90.6%	91.5%	92.4%	93.1%	93.6%	93.6%	



CITY OF SCOTTSDALE, ARIZONA
WORKERS' COMPENSATION

Exhibit WC-3

Developed Limited Paid Losses

Claim Period (1)	Months of Development 6/30/21 (2)	Limited Paid Losses 6/30/21 (3)	Percent Losses Paid (4)	Developed Limited Paid Losses (3)/(4) (5)
to 2001/02	240.0	\$13,100,364	93.5%	\$13,857,630 *
2002/03	228.0	662,461	93.4%	709,542
2003/04	216.0	1,098,235	92.4%	1,188,050
2004/05	204.0	632,321	91.3%	692,242
2005/06	192.0	756,450	90.0%	840,555
2006/07	180.0	1,317,436	88.6%	1,487,336
2007/08	168.0	1,674,940	87.0%	1,924,981
2008/09	156.0	2,197,143	85.3%	2,575,644
2009/10	144.0	1,479,601	83.4%	1,774,385
2010/11	132.0	1,147,029	81.4%	1,408,566
2011/12	120.0	1,838,501	79.4%	2,250,176 *
2012/13	108.0	1,060,703	77.4%	1,369,835
2013/14	96.0	1,577,377	75.2%	2,098,200
2014/15	84.0	2,803,602	72.6%	3,859,830
2015/16	72.0	3,375,165	69.8%	4,832,593
2016/17	60.0	2,208,643	66.8%	3,304,662
2017/18	48.0	4,407,589	63.8%	6,076,057 *
2018/19	36.0	2,578,997	59.0%	4,367,545
2019/20	24.0	1,562,482	52.7%	2,963,599
2020/21	12.0	1,123,550	31.0%	3,622,811
Total		\$46,602,590		\$61,204,237

* - Indicates large claim(s) limited to retention. For details, see Exhibit WC-20.

(3) is from Exhibit WC-1.

(4) is from Exhibit WC-2.



CITY OF SCOTTSDALE, ARIZONA
WORKERS' COMPENSATION

Exhibit WC-4

Developed Limited Reported Incurred Losses

Claim Period (1)	Months of Development 6/30/21 (2)	Limited Reported Incurred Losses 6/30/21 (3)	Percent Losses Reported (4)	Developed Limited Reported Incurred Losses (3)/(4) (5)
to 2001/02	240.0	\$14,193,504	99.8%	\$14,214,143 *
2002/03	228.0	665,908	99.8%	667,239
2003/04	216.0	1,378,438	99.3%	1,388,101
2004/05	204.0	632,321	98.8%	639,938
2005/06	192.0	848,626	98.3%	863,142
2006/07	180.0	1,538,402	97.7%	1,556,700 *
2007/08	168.0	2,037,783	97.0%	2,101,757
2008/09	156.0	2,764,720	96.1%	2,846,671 *
2009/10	144.0	1,623,170	95.1%	1,706,086
2010/11	132.0	1,204,825	94.2%	1,279,035
2011/12	120.0	1,903,462	93.3%	2,040,910
2012/13	108.0	1,077,714	92.3%	1,168,247
2013/14	96.0	1,737,013	90.6%	1,916,822
2014/15	84.0	3,547,611	88.8%	3,993,143
2015/16	72.0	4,248,673	86.7%	4,901,805
2016/17	60.0	2,718,868	84.2%	3,230,933
2017/18	48.0	5,014,675	81.3%	5,902,350 *
2018/19	36.0	2,947,870	77.4%	3,806,956
2019/20	24.0	2,117,379	70.4%	3,007,883
2020/21	12.0	2,305,837	54.1%	4,258,281
Total		\$54,506,801		\$61,490,140

* - Indicates large claim(s) limited to retention. For details, see Exhibit WC-20.

(3) is from Exhibit WC-1.

(4) is from Exhibit WC-2.



CITY OF SCOTTSDALE, ARIZONA
WORKERS' COMPENSATION

Exhibit WC-5

Developed Limited Case Reserves

Claim Period (1)	Months of Development 6/30/21 (2)	Percent Losses Paid (3)	Percent Losses Reported (4)	Percent Losses Reserved 6/30/21 [(4)-(3)]/ [100.0%-(3)] (5)	Limited Paid Losses 6/30/21 (6)	Limited Case Reserves 6/30/21 (7)	Developed Limited Case Reserves (6)+(7)/(5) (8)
to 2001/02	240.0	93.5%	99.8%	96.9%	\$13,100,364	\$1,093,140	\$14,218,806 *
2002/03	228.0	93.4%	99.8%	97.0%	662,461	3,446	666,014
2003/04	216.0	92.4%	99.3%	90.8%	1,098,235	280,203	1,406,856
2004/05	204.0	91.3%	98.8%	86.3%	632,321	0	632,321
2005/06	192.0	90.0%	98.3%	83.2%	756,450	92,176	867,249
2006/07	180.0	88.6%	97.7%	80.1%	1,317,436	220,966	1,563,184 *
2007/08	168.0	87.0%	97.0%	76.6%	1,674,940	362,843	2,148,831
2008/09	156.0	85.3%	96.1%	73.4%	2,197,143	567,577	2,877,729 *
2009/10	144.0	83.4%	95.1%	70.7%	1,479,601	143,569	1,682,536
2010/11	132.0	81.4%	94.2%	68.8%	1,147,029	57,797	1,231,094
2011/12	120.0	79.4%	93.3%	67.2%	1,838,501	64,961	1,935,120
2012/13	108.0	77.4%	92.3%	65.7%	1,060,703	17,011	1,086,611
2013/14	96.0	75.2%	90.6%	62.2%	1,577,377	159,636	1,833,989
2014/15	84.0	72.6%	88.8%	59.2%	2,803,602	744,009	4,059,804
2015/16	72.0	69.8%	86.7%	55.8%	3,375,165	873,508	4,940,065
2016/17	60.0	66.8%	84.2%	52.2%	2,208,643	510,225	3,185,835
2017/18	48.0	63.8%	81.3%	48.4%	4,407,589	607,086	5,662,001
2018/19	36.0	59.0%	77.4%	44.9%	2,578,997	368,873	3,400,643
2019/20	24.0	52.7%	70.4%	37.4%	1,562,482	554,898	3,046,996
2020/21	12.0	31.0%	54.1%	33.5%	1,123,550	1,182,288	4,648,844
Total					\$46,602,590	\$7,904,211	\$61,094,529

* - Indicates large claim(s) limited to retention. For details, see Exhibit WC-20.

(3) and (4) are from Exhibit WC-2.

(6) and (7) are from Exhibit WC-1.



CITY OF SCOTTSDALE, ARIZONA
WORKERS' COMPENSATION

Exhibit WC-6

Preliminary Projected Ultimate Limited Losses to 2020/21

Claim Period (1)	Developed Limited Paid Losses (2)	Developed Limited Reported Incurred Losses (3)	Developed Limited Case Reserves (4)	Preliminary Projected Ultimate Limited Losses (5)
to 2001/02	\$13,857,630	\$14,214,143	\$14,218,806	\$14,302,818
2002/03	709,542	667,239	666,014	666,252
2003/04	1,188,050	1,388,101	1,406,856	1,406,856
2004/05	692,242	639,938	632,321	632,321
2005/06	840,555	863,142	867,249	867,249
2006/07	1,487,336	1,556,700	1,563,184	1,563,184
2007/08	1,924,981	2,101,757	2,148,831	2,148,831
2008/09	2,575,644	2,846,671	2,877,729	2,877,729
2009/10	1,774,385	1,706,086	1,682,536	1,682,536
2010/11	1,408,566	1,279,035	1,231,094	1,231,094
2011/12	2,250,176	2,040,910	1,935,120	2,040,910
2012/13	1,369,835	1,168,247	1,086,611	1,168,247
2013/14	2,098,200	1,916,822	1,833,989	1,916,822
2014/15	3,859,830	3,993,143	4,059,804	4,006,476
2015/16	4,832,593	4,901,805	4,940,065	4,899,440
2016/17	3,304,662	3,230,933	3,185,835	3,244,032
2017/18	6,076,057	5,902,350	5,662,001	5,906,392
2018/19	4,367,545	3,806,956	3,400,643	3,893,870
2019/20	2,963,599	3,007,883	3,046,996	3,014,671
2020/21	3,622,811	4,258,281	4,648,844	4,287,412
Total	\$61,204,237	\$61,490,140	\$61,094,529	\$61,757,144

(2) is from Exhibit WC-3.

(3) is from Exhibit WC-4.

(4) is from Exhibit WC-5.

(5) is based on (2) to (4) and actuarial judgment.



Bornhuetter - Ferguson Analysis

I. A-priori Loss Rate

Claim Period (1)	Preliminary Projected Ultimate Limited Losses (2)	Payroll (000) (3)	Limited Loss Rate per \$100 of Payroll (2)/(3)/10 (4)	Loss Rate Trend (2021/22 = 1.000) (5)	Trended Limited Loss Rate per \$100 of Payroll (4)X(5) (6)	Projected A-priori Loss Rate per \$100 of Payroll (7)/(5) (8)
2011/12	\$2,040,910	\$154,467	\$1.32	1.280	\$1.69	\$1.93
2012/13	1,168,247	158,387	0.74	1.235	0.91	2.00
2013/14	1,916,822	164,628	1.16	1.189	1.38	2.08
2014/15	4,006,476	165,752	2.42	1.157	2.80	2.13
2015/16	4,899,440	168,042	2.92	1.122	3.27	2.20
2016/17	3,244,032	164,127	1.98	1.110	2.19	2.22
2017/18	5,906,392	159,639	3.70	1.088	4.02	2.27
2018/19	3,893,870	168,399	2.31	1.063	2.46	2.32
2019/20	3,014,671	151,354	1.99	1.040	2.07	2.37
2020/21	4,287,412	141,289	3.03	1.020	3.10	2.42

(7) Projected 2021/22 a-priori loss rate per \$100 of Payroll \$2.47

II. Bornhuetter - Ferguson Analysis Based on Limited Paid Losses

Claim Period (1)	Limited Paid Losses 6/30/21 (2)	Percent Losses Paid (3)	Projected A-priori Loss Rate per \$100 of Payroll (4)	Payroll (000) (5)	B-F Unpaid Losses [100.0%-(3)] X(4)X(5)X10 (6)	B-F Ultimate Limited Paid Losses (2)+(6) (7)
2016/17	\$2,208,643	66.8%	\$2.22	\$164,127	\$1,209,850	\$3,418,493
2017/18	4,407,589	63.8%	2.27	159,639	1,311,628	5,719,217
2018/19	2,578,997	59.0%	2.32	168,399	1,601,283	4,180,280
2019/20	1,562,482	52.7%	2.37	151,354	1,696,922	3,259,403
2020/21	1,123,550	31.0%	2.42	141,289	2,357,699	3,481,248

III. Bornhuetter - Ferguson Analysis Based on Limited Reported Incurred Losses

Claim Period (1)	Limited Reported Incurred Losses 6/30/21 (2)	Percent Losses Reported (3)	Projected A-priori Loss Rate per \$100 of Payroll (4)	Payroll (000) (5)	B-F Unreported Losses [100.0%-(3)] X(4)X(5)X10 (6)	B-F Ultimate Limited Reported Losses (2)+(6) (7)
2016/17	\$2,718,868	84.2%	\$2.22	\$164,127	\$578,147	\$3,297,015
2017/18	5,014,675	81.3%	2.27	159,639	676,852	5,691,527
2018/19	2,947,870	77.4%	2.32	168,399	882,396	3,830,266
2019/20	2,117,379	70.4%	2.37	151,354	1,062,628	3,180,008
2020/21	2,305,837	54.1%	2.42	141,289	1,566,991	3,872,828

Section I, (2) is from Exhibit WC-6.

Section I, (3), Section II, (5) and Section III, (5) are from Exhibit WC-10.

Section I, (5) is from Exhibit WC-19 and adjusted for change in retention.

Section I, (7) is based on Section I, (6) and actuarial judgment.

Sections II and III, (2) are from Exhibit WC-1.

Sections II and III, (3) are from Exhibit WC-2.

Sections II and III, (4) are from Section I, (8).



Frequency Times Severity Analysis

I. Projected Ultimate Claims

Claim Period (1)	Months of Development 6/30/21 (2)	Reported Claims 6/30/21 (3)	Percent Claims Reported (4)	Projected Ultimate Claims (3)/(4) (5)	Payroll (000) (6)	Frequency (per \$1M of Payroll) (5)/(6)X1,000 (7)
2011/12	120.0	276	100.0%	276	\$154,467	1.79
2012/13	108.0	235	100.0%	235	158,387	1.48
2013/14	96.0	286	100.0%	286	164,628	1.74
2014/15	84.0	384	100.0%	384	165,752	2.32
2015/16	72.0	322	100.0%	322	168,042	1.92
2016/17	60.0	314	100.0%	314	164,127	1.91
2017/18	48.0	337	100.0%	337	159,639	2.11
2018/19	36.0	386	100.0%	386	168,399	2.29
2019/20	24.0	256	99.7%	257	151,354	1.70
2020/21	12.0	207	95.9%	216	141,289	1.53

II. Frequency Times Severity

Claim Period (1)	Preliminary Projected Ultimate Limited Losses (2)	Projected Ultimate Claims (3)	Average Severity (2)/(3) (4)	Severity Trend (2021/22 = 1.000) (5)	Trended Average Claim Severity (4)X(5) (6)	De-Trended Projected 2021/22 Average Claim Severity (7)/(5) (8)	Frequency Times Severity (3)X(8) (9)
2011/12	\$2,040,910	276	\$7,395	1.721	\$12,725	\$8,645	\$2,385,991
2012/13	1,168,247	235	4,971	1.611	8,009	9,234	2,170,083
2013/14	1,916,822	286	6,702	1.506	10,092	9,879	2,825,466
2014/15	4,006,476	384	10,434	1.423	14,844	10,457	4,015,304
2015/16	4,899,440	322	15,216	1.340	20,390	11,101	3,574,600
2016/17	3,244,032	314	10,331	1.287	13,295	11,560	3,629,840
2017/18	5,906,392	337	17,526	1.224	21,459	12,150	4,094,529
2018/19	3,893,870	386	10,088	1.161	11,713	12,813	4,945,673
2019/20	3,014,671	257	11,730	1.104	12,947	13,478	3,463,813
2020/21	4,287,412	216	19,849	1.051	20,853	14,160	3,058,528
						(7) Projected 2021/22 average claim severity	\$14,876

Section I, (3) is from Exhibit WC-1.

Section I, (4) is from Exhibit WC-2.

Section I, (6) is from Exhibit WC-10.

Section II, (2) is from Exhibit WC-6.

Section II, (3) is from Section I, (5).

Section II, (5) is from Exhibit WC-19 and adjusted for change in retention.

Section II, (7) is based on (6) and actuarial judgment.



CITY OF SCOTTSDALE, ARIZONA
WORKERS' COMPENSATION

Exhibit WC-9

Projected Ultimate Limited Losses to 2020/21

Claim Period (1)	Developed Limited Paid Losses (2)	Developed Limited Reported Incurred Losses (3)	Developed Limited Case Reserves (4)	B-F Ultimate Limited Paid Losses (5)	B-F Ultimate Limited Reported Losses (6)	Frequency Times Severity (7)	Projected Ultimate Limited Losses (8)
to 2001/02	\$13,857,630	\$14,214,143	\$14,218,806				\$14,303,000
2002/03	709,542	667,239	666,014				666,252
2003/04	1,188,050	1,388,101	1,406,856				1,407,000
2004/05	692,242	639,938	632,321				632,321
2005/06	840,555	863,142	867,249				867,000
2006/07	1,487,336	1,556,700	1,563,184				1,563,000
2007/08	1,924,981	2,101,757	2,148,831				2,149,000
2008/09	2,575,644	2,846,671	2,877,729				2,878,000
2009/10	1,774,385	1,706,086	1,682,536				1,683,000
2010/11	1,408,566	1,279,035	1,231,094				1,231,000
2011/12	2,250,176	2,040,910	1,935,120				2,041,000
2012/13	1,369,835	1,168,247	1,086,611				1,168,000
2013/14	2,098,200	1,916,822	1,833,989				1,917,000
2014/15	3,859,830	3,993,143	4,059,804				4,006,000
2015/16	4,832,593	4,901,805	4,940,065				4,899,000
2016/17	3,304,662	3,230,933	3,185,835	3,418,493	3,297,015	3,629,840	3,244,000
2017/18	6,076,057	5,902,350	5,662,001	5,719,217	5,691,527	4,094,529	5,878,000
2018/19	4,367,545	3,806,956	3,400,643	4,180,280	3,830,266	4,945,673	3,918,000
2019/20	2,963,599	3,007,883	3,046,996	3,259,403	3,180,008	3,463,813	3,098,000
2020/21	3,622,811	4,258,281	4,648,844	3,481,248	3,872,828	3,058,528	4,060,000

(2) is from Exhibit WC-3.

(3) is from Exhibit WC-4.

(4) is from Exhibit WC-5.

(5) and (6) are from Exhibit WC-7.

(7) is from Exhibit WC-8.

(8) is based on (2) to (7) and actuarial judgment.



CITY OF SCOTTSDALE, ARIZONA
WORKERS' COMPENSATION

Exhibit WC-10

Projected Ultimate Limited Losses for 2021/22 and Subsequent

Claim Period (1)	Projected Ultimate Limited Losses (2)	Payroll (000) (3)	Limited Loss Rate per \$100 of Payroll (2)/(3)X10 (4)	Loss Rate Trend (2021/22 = 1.000) (5)	Trended Limited Loss Rate per \$100 of Payroll (4)X(5) (6)
2011/12	\$2,041,000	\$154,467	\$1.32	1.280	\$1.69
2012/13	1,168,000	158,387	0.74	1.235	0.91
2013/14	1,917,000	164,628	1.16	1.189	1.38
2014/15	4,006,000	165,752	2.42	1.157	2.80
2015/16	4,899,000	168,042	2.92	1.122	3.27
2016/17	3,244,000	164,127	1.98	1.110	2.19
2017/18	5,878,000	159,639	3.68	1.088	4.01
2018/19	3,918,000	168,399	2.33	1.063	2.47
2019/20	3,098,000	151,354	2.05	1.040	2.13
2020/21	4,060,000	141,289	2.87	1.020	2.93
Total	\$34,229,000	\$1,596,084	\$2.14		\$2.38

Claim Period (1)	Projected Limited Loss Rate per \$100 of Payroll (7)	Projected Payroll (000) (8)	Projected Ultimate Limited Losses (7)X(8)X10 (9)	Present Value Factor (10)	Present Value of Projected Limited Loss Rate per \$100 of Payroll (7)X(10) (11)	Present Value of Projected Ultimate Limited Losses (8)X(11)X10 (12)
2021/22	\$2.45	\$180,144	\$4,421,000	0.95	\$2.33	\$4,197,000
2022/23	2.50	183,747	4,599,000	0.95	2.38	4,367,000
2023/24	2.55	187,422	4,785,000	0.95	2.42	4,543,000
2024/25	2.60	191,170	4,979,000	0.95	2.47	4,727,000
2025/26	2.66	194,994	5,180,000	0.95	2.52	4,918,000
2026/27	2.71	198,894	5,389,000	0.95	2.57	5,116,000

(2) is from Exhibit WC-9.

(3) was provided by the City.

(5) is from Exhibit WC-19 and adjusted for change in retention.

(7) 2021/22 is based on (6) and actuarial judgment.
Other period(s) based on 2021/22 plus the trend in Exhibit WC-19.

(8) to 2021/22 was provided by the City. Other claim periods are based on a 2% trend.

(10) is based on a 1% interest rate and the payout pattern in Exhibit WC-2.



CITY OF SCOTTSDALE, ARIZONA
WORKERS' COMPENSATION

Exhibit WC-11

Estimated Outstanding Losses as of June 30, 2021

Claim Period (1)	Limited Paid Losses 6/30/21 (2)	Limited Case Reserves 6/30/21 (3)	Limited Reported Incurred Losses 6/30/21 (4)	Projected Ultimate Limited Losses (5)	Estimated IBNR 6/30/21 (5)-(4) (6)	Estimated Outstanding Losses 6/30/21 (3)+(6) (7)	Present Value Factor (8)	Present Value of Estimated Outstanding Losses 6/30/21 (7)X(8) (9)
to 2001/02	\$13,100,364	\$1,093,140	\$14,193,504	\$14,303,000	\$109,496	\$1,202,636	0.95	\$1,144,425
2002/03	662,461	3,446	665,908	666,252	345	3,791	0.94	3,575
2003/04	1,098,235	280,203	1,378,438	1,407,000	28,562	308,765	0.94	290,578
2004/05	632,321	0	632,321	632,321	0	0	0.94	0
2005/06	756,450	92,176	848,626	867,000	18,374	110,550	0.94	103,828
2006/07	1,317,436	220,966	1,538,402	1,563,000	24,598	245,564	0.94	230,333
2007/08	1,674,940	362,843	2,037,783	2,149,000	111,217	474,060	0.94	444,047
2008/09	2,197,143	567,577	2,764,720	2,878,000	113,280	680,857	0.94	636,783
2009/10	1,479,601	143,569	1,623,170	1,683,000	59,830	203,399	0.93	189,970
2010/11	1,147,029	57,797	1,204,825	1,231,000	26,175	83,972	0.93	78,273
2011/12	1,838,501	64,961	1,903,462	2,041,000	137,538	202,499	0.93	188,298
2012/13	1,060,703	17,011	1,077,714	1,168,000	90,286	107,297	0.93	99,496
2013/14	1,577,377	159,636	1,737,013	1,917,000	179,987	339,623	0.93	314,188
2014/15	2,803,602	744,009	3,547,611	4,006,000	458,389	1,202,398	0.92	1,110,168
2015/16	3,375,165	873,508	4,248,673	4,899,000	650,327	1,523,835	0.92	1,404,436
2016/17	2,208,643	510,225	2,718,868	3,244,000	525,132	1,035,357	0.92	952,532
2017/18	4,407,589	607,086	5,014,675	5,878,000	863,325	1,470,411	0.92	1,349,844
2018/19	2,578,997	368,873	2,947,870	3,918,000	970,130	1,339,003	0.92	1,230,343
2019/20	1,562,482	554,898	2,117,379	3,098,000	980,621	1,535,519	0.92	1,414,467
2020/21	1,123,550	1,182,288	2,305,837	4,060,000	1,754,163	2,936,451	0.94	2,754,865
Total	\$46,602,590	\$7,904,211	\$54,506,801	\$61,608,574	\$7,101,775	\$15,005,987		\$13,940,449

(2), (3) and (4) are net of specific self-insured retention and aggregate retention.

(5) is from Exhibit WC-9.

(8) is based on a 1% interest rate and the payout pattern in Exhibit WC-2.



CITY OF SCOTTSDALE, ARIZONA
WORKERS' COMPENSATION

Exhibit WC-12

Projected Losses Paid July 1, 2021 to June 30, 2022

Claim Period (1)	Months of Development 6/30/21 (2)	Percent Losses Paid (3)	Months of Development 6/30/22 (4)	Percent Losses Paid (5)	Percent Outstanding Losses Paid 7/1/21 to 6/30/22 [(5)-(3)]/[100.0%-(3)] (6)	Estimated Outstanding Losses 6/30/21 (7)	Projected Losses Paid (6)X(7) (8)	Estimated Outstanding Losses 6/30/22 (7)-(8) (9)	Present Value Factor (10)	Present Value of Estimated Outstanding Losses 6/30/22 (9)X(10) (11)
to 2001/02	240.0	93.5%	252.0	94.4%	15.0%	\$1,202,636	\$180,395	\$1,022,241	0.95	\$974,575
2002/03	228.0	93.4%	240.0	93.5%	1.4%	3,791	53	3,738	0.95	3,557
2003/04	216.0	92.4%	228.0	93.4%	12.2%	308,765	37,755	271,010	0.94	255,541
2004/05	204.0	91.3%	216.0	92.4%	12.7%	0	0	0	0.94	0
2005/06	192.0	90.0%	204.0	91.3%	13.5%	110,550	14,915	95,635	0.94	89,877
2006/07	180.0	88.6%	192.0	90.0%	12.4%	245,564	30,466	215,098	0.94	202,019
2007/08	168.0	87.0%	180.0	88.6%	12.1%	474,060	57,160	416,900	0.94	391,043
2008/09	156.0	85.3%	168.0	87.0%	11.6%	680,857	79,046	601,811	0.94	563,711
2009/10	144.0	83.4%	156.0	85.3%	11.5%	203,399	23,481	179,918	0.94	168,271
2010/11	132.0	81.4%	144.0	83.4%	10.5%	83,972	8,839	75,133	0.93	70,172
2011/12	120.0	79.4%	132.0	81.4%	9.7%	202,499	19,568	182,931	0.93	170,515
2012/13	108.0	77.4%	120.0	79.4%	8.9%	107,297	9,572	97,725	0.93	90,872
2013/14	96.0	75.2%	108.0	77.4%	9.1%	339,623	30,858	308,765	0.93	286,318
2014/15	84.0	72.6%	96.0	75.2%	9.3%	1,202,398	111,706	1,090,692	0.93	1,009,006
2015/16	72.0	69.8%	84.0	72.6%	9.3%	1,523,835	141,158	1,382,677	0.92	1,276,619
2016/17	60.0	66.8%	72.0	69.8%	9.1%	1,035,357	93,888	941,469	0.92	867,701
2017/18	48.0	63.8%	60.0	66.8%	8.4%	1,470,411	124,247	1,346,164	0.92	1,238,476
2018/19	36.0	59.0%	48.0	63.8%	11.5%	1,339,003	154,462	1,184,541	0.92	1,087,414
2019/20	24.0	52.7%	36.0	59.0%	13.4%	1,535,519	205,483	1,330,036	0.92	1,222,103
2020/21	12.0	31.0%	24.0	52.7%	31.5%	2,936,451	924,062	2,012,389	0.92	1,853,743
2021/22	0.0	0.0%	12.0	31.0%	31.0%	4,421,000	1,371,093	3,049,907	0.94	2,861,305
Total						\$19,426,987	\$3,618,207	\$15,808,780		\$14,682,838

(3) and (5) are from Exhibit WC-2.

(7) to 2020/21 is from Exhibit WC-11. The amount for 2021/22 is from Exhibit WC-10.

(10) is based on a 1% interest rate and the payout pattern in Exhibit WC-2.



CITY OF SCOTTSDALE, ARIZONA
WORKERS' COMPENSATION

Exhibit WC-13

Projected Losses Paid July 1, 2022 to June 30, 2023

Claim Period (1)	Months of Development 6/30/22 (2)	Percent Losses Paid (3)	Months of Development 6/30/23 (4)	Percent Losses Paid (5)	Percent Outstanding Losses Paid 7/1/22 to 6/30/23 [(5)-(3)]/[100.0%-(3)] (6)	Estimated Outstanding Losses 6/30/22 (7)	Projected Losses Paid (6)X(7) (8)	Estimated Outstanding Losses 6/30/23 (7)-(8) (9)	Present Value Factor (10)	Present Value of Estimated Outstanding Losses 6/30/23 (9)X(10) (11)
to 2001/02	252.0	94.4%	264.0	95.3%	15.0%	\$1,022,241	\$153,336	\$868,905	0.96	\$830,220
2002/03	240.0	93.5%	252.0	94.4%	15.0%	3,738	561	3,177	0.95	3,029
2003/04	228.0	93.4%	240.0	93.5%	1.4%	271,010	3,813	267,197	0.95	254,264
2004/05	216.0	92.4%	228.0	93.4%	12.2%	0	0	0	0.94	0
2005/06	204.0	91.3%	216.0	92.4%	12.7%	95,635	12,111	83,524	0.94	78,604
2006/07	192.0	90.0%	204.0	91.3%	13.5%	215,098	29,019	186,079	0.94	174,875
2007/08	180.0	88.6%	192.0	90.0%	12.4%	416,900	51,724	365,176	0.94	342,971
2008/09	168.0	87.0%	180.0	88.6%	12.1%	601,811	72,564	529,247	0.94	496,422
2009/10	156.0	85.3%	168.0	87.0%	11.6%	179,918	20,888	159,030	0.94	148,962
2010/11	144.0	83.4%	156.0	85.3%	11.5%	75,133	8,674	66,459	0.94	62,157
2011/12	132.0	81.4%	144.0	83.4%	10.5%	182,931	19,255	163,676	0.93	152,869
2012/13	120.0	79.4%	132.0	81.4%	9.7%	97,725	9,443	88,282	0.93	82,290
2013/14	108.0	77.4%	120.0	79.4%	8.9%	308,765	27,546	281,219	0.93	261,497
2014/15	96.0	75.2%	108.0	77.4%	9.1%	1,090,692	99,099	991,593	0.93	919,503
2015/16	84.0	72.6%	96.0	75.2%	9.3%	1,382,677	128,454	1,254,223	0.93	1,160,290
2016/17	72.0	69.8%	84.0	72.6%	9.3%	941,469	87,212	854,257	0.92	788,731
2017/18	60.0	66.8%	72.0	69.8%	9.1%	1,346,164	122,073	1,224,091	0.92	1,128,178
2018/19	48.0	63.8%	60.0	66.8%	8.4%	1,184,541	100,091	1,084,450	0.92	997,698
2019/20	36.0	59.0%	48.0	63.8%	11.5%	1,330,036	153,428	1,176,608	0.92	1,080,131
2020/21	24.0	52.7%	36.0	59.0%	13.4%	2,012,389	269,298	1,743,091	0.92	1,601,639
2021/22	12.0	31.0%	24.0	52.7%	31.5%	3,049,907	959,766	2,090,141	0.92	1,925,365
2022/23	0.0	0.0%	12.0	31.0%	31.0%	4,599,000	1,426,297	3,172,703	0.94	2,976,507
Total						\$20,407,780	\$3,754,652	\$16,653,128		\$15,466,202

(3) and (5) are from Exhibit WC-2.

(7) to 2021/22 is from Exhibit WC-12, (9). The amount for 2022/23 is from Exhibit WC-10.

(10) is based on a 1% interest rate and the payout pattern in Exhibit WC-2.



CITY OF SCOTTSDALE, ARIZONA
WORKERS' COMPENSATION

Exhibit WC-14

Projected Losses Paid July 1, 2023 to June 30, 2024

Claim Period (1)	Months of Development 6/30/23 (2)	Percent Losses Paid (3)	Months of Development 6/30/24 (4)	Percent Losses Paid (5)	Percent Outstanding Losses Paid 7/1/23 to 6/30/24 [(5)-(3)]/ [100.0%-(3)] (6)	Estimated Outstanding Losses 6/30/23 (7)	Projected Losses Paid (6)X(7) (8)	Estimated Outstanding Losses 6/30/24 (7)-(8) (9)	Present Value Factor (10)	Present Value of Estimated Outstanding Losses 6/30/24 (9)X(10) (11)
to 2001/02	264.0	95.3%	276.0	96.0%	15.0%	\$868,905	\$130,336	\$738,569	0.96	\$707,536
2002/03	252.0	94.4%	264.0	95.3%	15.0%	3,177	477	2,700	0.96	2,580
2003/04	240.0	93.5%	252.0	94.4%	15.0%	267,197	40,080	227,117	0.95	216,527
2004/05	228.0	93.4%	240.0	93.5%	1.4%	0	0	0	0.95	0
2005/06	216.0	92.4%	228.0	93.4%	12.2%	83,524	10,213	73,311	0.94	69,126
2006/07	204.0	91.3%	216.0	92.4%	12.7%	186,079	23,564	162,515	0.94	152,943
2007/08	192.0	90.0%	204.0	91.3%	13.5%	365,176	49,267	315,909	0.94	296,888
2008/09	180.0	88.6%	192.0	90.0%	12.4%	529,247	65,662	463,585	0.94	435,396
2009/10	168.0	87.0%	180.0	88.6%	12.1%	159,030	19,175	139,855	0.94	131,181
2010/11	156.0	85.3%	168.0	87.0%	11.6%	66,459	7,716	58,743	0.94	55,024
2011/12	144.0	83.4%	156.0	85.3%	11.5%	163,676	18,895	144,781	0.94	135,409
2012/13	132.0	81.4%	144.0	83.4%	10.5%	88,282	9,292	78,990	0.93	73,775
2013/14	120.0	79.4%	132.0	81.4%	9.7%	281,219	27,175	254,044	0.93	236,802
2014/15	108.0	77.4%	120.0	79.4%	8.9%	991,593	88,462	903,131	0.93	839,795
2015/16	96.0	75.2%	108.0	77.4%	9.1%	1,254,223	113,957	1,140,266	0.93	1,057,368
2016/17	84.0	72.6%	96.0	75.2%	9.3%	854,257	79,362	774,895	0.93	716,861
2017/18	72.0	69.8%	84.0	72.6%	9.3%	1,224,091	113,392	1,110,699	0.92	1,025,503
2018/19	60.0	66.8%	72.0	69.8%	9.1%	1,084,450	98,340	986,110	0.92	908,844
2019/20	48.0	63.8%	60.0	66.8%	8.4%	1,176,608	99,421	1,077,187	0.92	991,016
2020/21	36.0	59.0%	48.0	63.8%	11.5%	1,743,091	201,076	1,542,015	0.92	1,415,577
2021/22	24.0	52.7%	36.0	59.0%	13.4%	2,090,141	279,703	1,810,438	0.92	1,663,521
2022/23	12.0	31.0%	24.0	52.7%	31.5%	3,172,703	998,408	2,174,295	0.92	2,002,885
2023/24	0.0	0.0%	12.0	31.0%	31.0%	4,785,000	1,483,982	3,301,018	0.94	3,096,888
Total						\$21,438,128	\$3,957,955	\$17,480,173		\$16,231,445

(3) and (5) are from Exhibit WC-2.

(7) to 2022/23 is from Exhibit WC-13, (9). The amount for 2023/24 is from Exhibit WC-10.

(10) is based on a 1% interest rate and the payout pattern in Exhibit WC-2.



CITY OF SCOTTSDALE, ARIZONA
WORKERS' COMPENSATION

Exhibit WC-15

Projected Losses Paid July 1, 2024 to June 30, 2025

Claim Period (1)	Months of Development 6/30/24 (2)	Percent Losses Paid (3)	Months of Development 6/30/25 (4)	Percent Losses Paid (5)	Percent Outstanding Losses Paid 7/1/24 to 6/30/25 [(5)-(3)]/[100.0%-(3)] (6)	Estimated Outstanding Losses 6/30/24 (7)	Projected Losses Paid (6)X(7) (8)	Estimated Outstanding Losses 6/30/25 (7)-(8) (9)	Present Value Factor (10)	Present Value of Estimated Outstanding Losses 6/30/25 (9)X(10) (11)
to 2001/02	276.0	96.0%	288.0	96.6%	15.0%	\$738,569	\$110,785	\$627,784	0.96	\$603,273
2002/03	264.0	95.3%	276.0	96.0%	15.0%	2,700	405	2,295	0.96	2,199
2003/04	252.0	94.4%	264.0	95.3%	15.0%	227,117	34,068	193,049	0.96	184,454
2004/05	240.0	93.5%	252.0	94.4%	15.0%	0	0	0	0.95	0
2005/06	228.0	93.4%	240.0	93.5%	1.4%	73,311	1,032	72,279	0.95	68,780
2006/07	216.0	92.4%	228.0	93.4%	12.2%	162,515	19,872	142,643	0.94	134,501
2007/08	204.0	91.3%	216.0	92.4%	12.7%	315,909	40,004	275,905	0.94	259,654
2008/09	192.0	90.0%	204.0	91.3%	13.5%	463,585	62,543	401,042	0.94	376,895
2009/10	180.0	88.6%	192.0	90.0%	12.4%	139,855	17,351	122,504	0.94	115,055
2010/11	168.0	87.0%	180.0	88.6%	12.1%	58,743	7,083	51,660	0.94	48,456
2011/12	156.0	85.3%	168.0	87.0%	11.6%	144,781	16,809	127,972	0.94	119,870
2012/13	144.0	83.4%	156.0	85.3%	11.5%	78,990	9,119	69,871	0.94	65,348
2013/14	132.0	81.4%	144.0	83.4%	10.5%	254,044	26,740	227,304	0.93	212,296
2014/15	120.0	79.4%	132.0	81.4%	9.7%	903,131	87,271	815,860	0.93	760,487
2015/16	108.0	77.4%	120.0	79.4%	8.9%	1,140,266	101,726	1,038,540	0.93	965,708
2016/17	96.0	75.2%	108.0	77.4%	9.1%	774,895	70,406	704,489	0.93	653,272
2017/18	84.0	72.6%	96.0	75.2%	9.3%	1,110,699	103,187	1,007,512	0.93	932,056
2018/19	72.0	69.8%	84.0	72.6%	9.3%	986,110	91,347	894,763	0.92	826,130
2019/20	60.0	66.8%	72.0	69.8%	9.1%	1,077,187	97,681	979,506	0.92	902,758
2020/21	48.0	63.8%	60.0	66.8%	8.4%	1,542,015	130,297	1,411,718	0.92	1,298,785
2021/22	36.0	59.0%	48.0	63.8%	11.5%	1,810,438	208,845	1,601,593	0.92	1,470,269
2022/23	24.0	52.7%	36.0	59.0%	13.4%	2,174,295	290,965	1,883,330	0.92	1,730,498
2023/24	12.0	31.0%	24.0	52.7%	31.5%	3,301,018	1,038,787	2,262,231	0.92	2,083,889
2024/25	0.0	0.0%	12.0	31.0%	31.0%	4,979,000	1,544,147	3,434,853	0.94	3,222,447
Total						\$22,459,173	\$4,110,470	\$18,348,703		\$17,037,080

(3) and (5) are from Exhibit WC-2.

(7) to 2023/24 is from Exhibit WC-14, (9). The amount for 2024/25 is from Exhibit WC-10.

(10) is based on a 1% interest rate and the payout pattern in Exhibit WC-2.



CITY OF SCOTTSDALE, ARIZONA
WORKERS' COMPENSATION

Exhibit WC-16

Projected Losses Paid July 1, 2025 to June 30, 2026

Claim Period (1)	Months of Development 6/30/25 (2)	Percent Losses Paid (3)	Months of Development 6/30/26 (4)	Percent Losses Paid (5)	Percent Outstanding Losses Paid 7/1/25 to 6/30/26 [(5)-(3)]/[100.0%-(3)] (6)	Estimated Outstanding Losses 6/30/25 (7)	Projected Losses Paid (6)X(7) (8)	Estimated Outstanding Losses 6/30/26 (7)-(8) (9)	Present Value Factor (10)	Present Value of Estimated Outstanding Losses 6/30/26 (9)X(10) (11)
to 2001/02	288.0	96.6%	300.0	97.1%	15.0%	\$627,784	\$94,168	\$533,616	0.96	\$514,669
2002/03	276.0	96.0%	288.0	96.6%	15.0%	2,295	344	1,951	0.96	1,875
2003/04	264.0	95.3%	276.0	96.0%	15.0%	193,049	28,957	164,092	0.96	157,197
2004/05	252.0	94.4%	264.0	95.3%	15.0%	0	0	0	0.96	0
2005/06	240.0	93.5%	252.0	94.4%	15.0%	72,279	10,842	61,437	0.95	58,572
2006/07	228.0	93.4%	240.0	93.5%	1.4%	142,643	2,007	140,636	0.95	133,829
2007/08	216.0	92.4%	228.0	93.4%	12.2%	275,905	33,737	242,168	0.94	228,345
2008/09	204.0	91.3%	216.0	92.4%	12.7%	401,042	50,785	350,257	0.94	329,626
2009/10	192.0	90.0%	204.0	91.3%	13.5%	122,504	16,527	105,977	0.94	99,596
2010/11	180.0	88.6%	192.0	90.0%	12.4%	51,660	6,409	45,251	0.94	42,499
2011/12	168.0	87.0%	180.0	88.6%	12.1%	127,972	15,430	112,542	0.94	105,562
2012/13	156.0	85.3%	168.0	87.0%	11.6%	69,871	8,112	61,759	0.94	57,849
2013/14	144.0	83.4%	156.0	85.3%	11.5%	227,304	26,241	201,063	0.94	188,048
2014/15	132.0	81.4%	144.0	83.4%	10.5%	815,860	85,875	729,985	0.93	681,788
2015/16	120.0	79.4%	132.0	81.4%	9.7%	1,038,540	100,356	938,184	0.93	874,509
2016/17	108.0	77.4%	120.0	79.4%	8.9%	704,489	62,849	641,640	0.93	596,642
2017/18	96.0	75.2%	108.0	77.4%	9.1%	1,007,512	91,541	915,971	0.93	849,379
2018/19	84.0	72.6%	96.0	75.2%	9.3%	894,763	83,126	811,637	0.93	750,851
2019/20	72.0	69.8%	84.0	72.6%	9.3%	979,506	90,735	888,771	0.92	820,598
2020/21	60.0	66.8%	72.0	69.8%	9.1%	1,411,718	128,017	1,283,701	0.92	1,183,118
2021/22	48.0	63.8%	60.0	66.8%	8.4%	1,601,593	135,332	1,466,261	0.92	1,348,965
2022/23	36.0	59.0%	48.0	63.8%	11.5%	1,883,330	217,253	1,666,077	0.92	1,529,466
2023/24	24.0	52.7%	36.0	59.0%	13.4%	2,262,231	302,732	1,959,499	0.92	1,800,486
2024/25	12.0	31.0%	24.0	52.7%	31.5%	3,434,853	1,080,903	2,353,950	0.92	2,168,377
2026/27	0.0	0.0%	12.0	31.0%	31.0%	5,389,000	1,671,301	3,717,699	0.94	3,487,802
Total						\$23,737,703	\$4,343,579	\$19,394,124		\$18,009,648

(3) and (5) are from Exhibit WC-2.

(7) to 2024/25 is from Exhibit WC-15, (9). The amount for 2026/27 is from Exhibit WC-10.

(10) is based on a 1% interest rate and the payout pattern in Exhibit WC-2.



CITY OF SCOTTSDALE, ARIZONA
WORKERS' COMPENSATION

Exhibit WC-17

Projected Losses Paid July 1, 2026 to June 30, 2027

Claim Period (1)	Months of Development 6/30/26 (2)	Percent Losses Paid (3)	Months of Development 6/30/26 (4)	Percent Losses Paid (5)	Percent Outstanding Losses Paid 7/1/26 to 6/30/27 [(5)-(3)]/[100.0%-(3)] (6)	Estimated Outstanding Losses 6/30/26 (7)	Projected Losses Paid (6)X(7) (8)	Estimated Outstanding Losses 6/30/27 (7)-(8) (9)	Present Value Factor (10)	Present Value of Estimated Outstanding Losses 6/30/27 (9)X(10) (11)
to 2001/02	300.0	97.1%	312.0	97.5%	15.0%	\$533,616	\$80,042	\$453,574	0.97	\$439,374
2002/03	288.0	96.6%	300.0	97.1%	15.0%	1,951	293	1,658	0.96	1,599
2003/04	276.0	96.0%	288.0	96.6%	15.0%	164,092	24,614	139,478	0.96	134,032
2004/05	264.0	95.3%	276.0	96.0%	15.0%	0	0	0	0.96	0
2005/06	252.0	94.4%	264.0	95.3%	15.0%	61,437	9,216	52,221	0.96	49,896
2006/07	240.0	93.5%	252.0	94.4%	15.0%	140,636	21,095	119,541	0.95	113,967
2007/08	228.0	93.4%	240.0	93.5%	1.4%	242,168	3,407	238,761	0.95	227,204
2008/09	216.0	92.4%	228.0	93.4%	12.2%	350,257	42,829	307,428	0.94	289,880
2009/10	204.0	91.3%	216.0	92.4%	12.7%	105,977	13,420	92,557	0.94	87,105
2010/11	192.0	90.0%	204.0	91.3%	13.5%	45,251	6,105	39,146	0.94	36,789
2011/12	180.0	88.6%	192.0	90.0%	12.4%	112,542	13,963	98,579	0.94	92,585
2012/13	168.0	87.0%	180.0	88.6%	12.1%	61,759	7,447	54,312	0.94	50,943
2013/14	156.0	85.3%	168.0	87.0%	11.6%	201,063	23,343	177,720	0.94	166,469
2014/15	144.0	83.4%	156.0	85.3%	11.5%	729,985	84,272	645,713	0.94	603,914
2015/16	132.0	81.4%	144.0	83.4%	10.5%	938,184	98,750	839,434	0.93	784,011
2016/17	120.0	79.4%	132.0	81.4%	9.7%	641,640	62,003	579,637	0.93	540,296
2017/18	108.0	77.4%	120.0	79.4%	8.9%	915,971	81,716	834,255	0.93	775,749
2018/19	96.0	75.2%	108.0	77.4%	9.1%	811,637	73,744	737,893	0.93	684,248
2019/20	84.0	72.6%	96.0	75.2%	9.3%	888,771	82,569	806,202	0.93	745,823
2020/21	72.0	69.8%	84.0	72.6%	9.3%	1,283,701	118,914	1,164,787	0.92	1,075,442
2021/22	60.0	66.8%	72.0	69.8%	9.1%	1,466,261	132,963	1,333,298	0.92	1,228,829
2022/23	48.0	63.8%	60.0	66.8%	8.4%	1,666,077	140,780	1,525,297	0.92	1,403,278
2023/24	36.0	59.0%	48.0	63.8%	11.5%	1,959,499	226,040	1,733,459	0.92	1,591,323
2024/25	24.0	52.7%	36.0	59.0%	13.4%	2,353,950	315,006	2,038,944	0.92	1,873,484
2026/27	12.0	31.0%	24.0	52.7%	31.5%	3,717,699	1,169,911	2,547,788	0.92	2,346,934
2026/27	0.0	0.0%	12.0	31.0%	31.0%	5,389,000	1,671,301	3,717,699	0.94	3,487,802
Total						\$24,783,124	\$4,503,743	\$20,279,381		\$18,830,976

(3) and (5) are from Exhibit WC-2.

(7) to 2024/25 is from Exhibit WC-16, (9). The amount for 2025/26 is from Exhibit WC-10.

(10) is based on a 1% interest rate and the payout pattern in Exhibit WC-2.



CITY OF SCOTTSDALE, ARIZONA
WORKERS' COMPENSATION

Exhibit WC-18

Projected Ultimate Claims for 2021/22 and Subsequent

Claim Period (1)	Projected Ultimate Claims (2)	Payroll (000) (3)	Projected Ultimate Claims per \$1M of Payroll (2)/(3)X1,000 (4)
2011/12	276	\$154,467	1.79
2012/13	235	158,387	1.48
2013/14	286	164,628	1.74
2014/15	384	165,752	2.32
2015/16	322	168,042	1.92
2016/17	314	164,127	1.91
2017/18	337	159,639	2.11
2018/19	386	168,399	2.29
2019/20	257	151,354	1.70
2020/21	216	141,289	1.53
Total	3,013	\$1,596,084	1.89

Claim Period (1)	Projected Ultimate Claims per \$1M of Payroll (5)	Projected Payroll (000) (6)	Projected Ultimate Claims (5)X(6)/1,000 (7)
2021/22	1.88	\$180,144	338
2022/23	1.88	183,747	345
2023/24	1.88	187,422	352
2024/25	1.88	191,170	359
2025/26	1.88	194,994	366
2026/27	1.88	198,894	374

(2) is from Exhibit WC-8.

(3) and (6) are from Exhibit WC-10.

(5) is based on (4) and actuarial judgment.



Loss Rate and Severity Trend

I. Benefit Level Changes

Effective Date (1)	Benefit Level Change (2)	Cumulative Benefit Level Change (3)
10/01/11	1.002	1.002
01/01/12	1.005	1.007
10/01/12	1.004	1.011
01/01/13	1.004	1.015
10/01/13	1.019	1.034
01/01/14	1.002	1.036
10/01/14	1.001	1.037
01/01/15	1.002	1.040
10/01/15	1.011	1.051
01/01/16	1.002	1.053
10/01/16	0.982	1.034
01/01/17	1.002	1.036
10/01/17	1.004	1.040
01/01/18	1.002	1.042
10/01/18	1.001	1.043
01/01/19	1.002	1.046

II. Loss Rate and Severity Trend

Claim Period (1)	Benefit Trend (2021/22 = 1.000) (2)	Residual Trend (2021/22 = 1.000) (3)	Retention Index (2021/22 = 1.000) (4)	Loss Rate Trend (2021/22 = 1.000) (2)X(3)X(4) (5)	Wage Trend (2021/22 = 1.000) (6)	Severity Trend (2021/22 = 1.000) (5)X(6) (7)
2011/12	1.040	1.219	1.010	1.280	1.344	1.721
2012/13	1.033	1.195	1.000	1.235	1.305	1.611
2013/14	1.015	1.172	1.000	1.189	1.267	1.506
2014/15	1.007	1.149	1.000	1.157	1.230	1.423
2015/16	0.997	1.126	1.000	1.122	1.194	1.340
2016/17	1.005	1.104	1.000	1.110	1.159	1.287
2017/18	1.005	1.082	1.000	1.088	1.126	1.224
2018/19	1.001	1.061	1.000	1.063	1.093	1.161
2019/20	1.000	1.040	1.000	1.040	1.061	1.104
2020/21	1.000	1.020	1.000	1.020	1.030	1.051
2021/22	1.000	1.000	1.000	1.000	1.000	1.000
2022/23	1.000	0.980	1.000	0.980	0.971	0.952
2023/24	1.000	0.961	1.000	0.961	0.943	0.906
2024/25	1.000	0.942	1.000	0.942	0.915	0.862
2025/26	1.000	0.924	1.000	0.924	0.888	0.821
2026/27	1.000	0.906	1.000	0.906	0.863	0.781

Section I, (2) and (3) reflect data published by the NCCI.

Section II, (2) is based on Section I, (2).

Section II, (3) is based on 2% trend per actuarial judgment.

Section II, (4) is based on industry statistics and actuarial judgment.

Section II, (6) is based on 3% trend.



CITY OF SCOTTSDALE, ARIZONA
WORKERS' COMPENSATION

Exhibit WC-20

List of Large Claims
Reported Incurred Losses Greater Than \$100,000

Claim Number (1)	Date of Loss (2)	Claim Period (3)	Specific Self-Insured Retention (4)	Unlimited Paid Losses 6/30/21 (5)	Unlimited Case Reserves 6/30/21 (6)	Unlimited Reported Incurred Losses 6/30/21 (7)
8205WC077	05/20/82	to 2001/02	\$200,000	109,221	0	109,221
8502WC069	02/01/85	to 2001/02	Unlimited	225,923	12,740	238,662
8601WC055	01/11/86	to 2001/02	Unlimited	153,844	0	153,844
8802WC073	02/22/88	to 2001/02	175,000	218,366 *	0	218,366 *
8803WC092	03/03/88	to 2001/02	175,000	308,615 *	15	308,629 *
899010WC036	10/16/89	to 2001/02	300,000	73,688	126,674	200,362
899010WC043	10/31/89	to 2001/02	300,000	188,619	12,963	201,582
899003WC072	03/22/90	to 2001/02	300,000	171,552	0	171,552
899006WC091	06/08/90	to 2001/02	300,000	168,884	12,796	181,680
909112WC050	12/17/90	to 2001/02	300,000	207,907	32,950	240,857
929308WC033	08/22/92	to 2001/02	300,000	87,382	40,394	127,776
939410WC025	10/01/93	to 2001/02	300,000	177,193	7,763	184,956
939410WC038	10/08/93	to 2001/02	300,000	267,603	90,351 *	357,954 *
939411WC065	11/10/93	to 2001/02	300,000	202,412	38,997	241,408
939412WC066	12/03/93	to 2001/02	300,000	182,107	47,800	229,907
939403WC085	03/17/94	to 2001/02	300,000	857,026 *	50,553	907,579 *
949501-WC-076	01/02/95	to 2001/02	300,000	269,121	63,995 *	333,116 *
959608-WC-028	08/24/95	to 2001/02	300,000	187,715	122,836 *	310,552 *
959610-WC-044	10/07/95	to 2001/02	300,000	152,095	44,677	196,772
959603-WC-103	03/12/96	to 2001/02	300,000	211,639	39,291	250,930
969707-WC-010	07/31/96	to 2001/02	250,000	122,719	0	122,719
969709-WC-033	09/14/96	to 2001/02	250,000	282,619 *	92,140	374,759 *
979809-WC-035	09/06/97	to 2001/02	250,000	163,386	60,508	223,894
989907-WC-014	07/22/98	to 2001/02	250,000	105,064	54,436	159,500
989904-WC-112	04/22/99	to 2001/02	250,000	654,209 *	0	654,209 *
989906-WC-133	06/11/99	to 2001/02	250,000	219,717	177,342 *	397,059 *
990010-WC-040	10/19/99	to 2001/02	250,000	389,734 *	166,001	555,735 *
990012-WC-077	12/03/99	to 2001/02	250,000	104,201	0	104,201
990004-WC-182	04/02/00	to 2001/02	250,000	185,718	32,104	217,822
000109-WC-040	09/28/00	to 2001/02	250,000	241,365 *	8,284	249,649 *
000111-WC-070	11/21/00	to 2001/02	250,000	219,816	71,154 *	290,970 *
000111-WC-178	11/27/00	to 2001/02	250,000	102,987	0	102,987
000101-WC-133	01/01/01	to 2001/02	250,000	196,880	68,003 *	264,883 *
000101-WC-089	01/25/01	to 2001/02	250,000	234,578 *	14,886	249,464
000104-WC-177	04/18/01	to 2001/02	250,000	115,860	14,108	129,968
010209-WC-032	09/25/01	to 2001/02	250,000	395,408 *	4,704	400,112 *
010202-WC-096	02/27/02	to 2001/02	250,000	826,978 *	0	826,978 *
010203-WC-162	03/18/02	to 2001/02	250,000	525,489 *	0	525,489 *
020302-WC-095	02/07/03	2002/03	400,000	291,782	3,446	295,228
030411-WC-069	11/25/03	2003/04	600,000	159,158	111,960	271,117
030412-WC-154	12/03/03	2003/04	600,000	199,632	144,989	344,621
030412-WC-128	12/29/03	2003/04	600,000	143,126	23,253	166,379
040509-WC-070	09/22/04	2004/05	600,000	178,931	0	178,931
040501-WC-110	01/26/05	2004/05	600,000	104,610	0	104,610
050609-WC-074	09/01/05	2005/06	600,000	152,024	26,594	178,619
050612-WC-157	12/26/05	2005/06	600,000	76,617	28,344	104,961
060704-WC-155	04/09/07	2006/07	750,000	629,059	290,241 *	919,300 *
060706-WC-192	06/13/07	2006/07	750,000	30,000	77,651	107,651
070812-WC-074	12/09/07	2007/08	750,000	100,003	53,177	153,180
070802-WC-126	02/02/08	2007/08	750,000	152,671	2,014	154,684
070804-WC-075	04/13/08	2007/08	750,000	466,343	114,238	580,581
070805-WC-076	05/25/08	2007/08	750,000	110,365	189,293	299,658
080907-WC-022	07/24/08	2008/09	750,000	125,435	0	125,435
080908-WC-036	08/19/08	2008/09	750,000	494,299	349,093 *	843,392 *
080911-WC-109	11/05/08	2008/09	750,000	392,016	142,062	534,078
080904-WC-238	04/06/09	2008/09	750,000	159,686	159,346	319,032
080904-WC-237	04/06/09	2008/09	750,000	230,806	10,467	241,273
091011-WC-115	08/29/09	2009/10	750,000	261,438	118,497	379,936
091003-WC-243	03/17/10	2009/10	750,000	253,853	14,952	268,805
091005-WC-264	05/26/10	2009/10	750,000	99,483	3,387	102,870
101112-WC-100	12/16/10	2010/11	750,000	95,259	22,701	117,961
101101-WC-128	01/06/11	2010/11	750,000	104,547	17,214	121,761
101104-WC-212	04/13/11	2010/11	750,000	121,911	0	121,911
111209-WC-113	09/22/11	2011/12	850,000	159,348	44,686	204,034
111202-WC-180	02/15/12	2011/12	850,000	726,115 *	16,725	742,840
131410-WC-076	10/16/13	2013/14	1,000,000	206,726	125,241	331,966
131401-WC-148	01/01/14	2013/14	1,000,000	98,148	8,841	106,989
131403-WC-213	03/12/14	2013/14	1,000,000	146,579	14,798	161,377
141507-WC-003	07/02/14	2014/15	1,000,000	246,180	100,956	347,135
141507-WC-033	07/31/14	2014/15	1,000,000	187,600	233,928	421,528
141508-WC-048	08/11/14	2014/15	1,000,000	301,744	90,820	392,564
141512-WC-192	12/13/14	2014/15	1,000,000	197,373	58,871	256,245
141504-WC-349	04/30/15	2014/15	1,000,000	199,624	221,020	420,644
151607-WC-017	07/14/15	2015/16	1,000,000	375,268	0	375,268
151607-WC-020	07/14/15	2015/16	1,000,000	134,174	144,190	278,364
151607-WC-030	07/28/15	2015/16	1,000,000	401,629	298,865	700,494
151608-WC-056	08/28/15	2015/16	1,000,000	104,809	0	104,809
151611-WC-176	11/11/15	2015/16	1,000,000	219,050	61,295	280,345
151611-WC-131	11/11/15	2015/16	1,000,000	398,330	277,055	675,384
151604-WC-298	04/26/16	2015/16	1,000,000	123,018	43,907	166,925
161707-WC-008	07/14/16	2016/17	1,000,000	203,229	389,830	593,058
161707-WC-336	07/29/16	2016/17	1,000,000	98,596	6,189	104,785



CITY OF SCOTTSDALE, ARIZONA
WORKERS' COMPENSATION

Exhibit WC-20

List of Large Claims
Reported Incurred Losses Greater Than \$100,000

Claim Number (1)	Date of Loss (2)	Claim Period (3)	Specific Self-Insured Retention (4)	Unlimited Paid Losses 6/30/21 (5)	Unlimited Case Reserves 6/30/21 (6)	Unlimited Reported Incurred Losses 6/30/21 (7)
161709-WC-071	09/29/16	2016/17	1,000,000	126,599	0	126,599
161711-WC-130	11/25/16	2016/17	1,000,000	139,324	13,839	153,163
161704-WC-255	04/25/17	2016/17	1,000,000	104,963	64,288	169,251
161706-WC-299	06/16/17	2016/17	1,000,000	117,494	0	117,494
171810-WC-126	10/31/17	2017/18	1,000,000	808,163 *	33,688	841,851 *
171812-WC-170	12/19/17	2017/18	1,000,000	82,631	78,478	161,109
171801-WC-179	01/10/18	2017/18	1,000,000	212,702	306,495	519,197
171801-WC-189	01/16/18	2017/18	1,000,000	188,542	6,000	194,542
171801-WC-204	01/23/18	2017/18	1,000,000	155,080	8,798	163,878
171805-WC-308	05/23/18	2017/18	1,000,000	2,190,497 *	322,503	2,513,000 *
171806-WC-337	06/25/18	2017/18	1,000,000	138,767	40,233	179,001
181910-WC-141	10/23/18	2018/19	1,000,000	237,119	19,873	256,992
181912-WC-179	12/10/18	2018/19	1,000,000	104,287	51,451	155,739
181902-WC-254	02/27/19	2018/19	1,000,000	142,601	3,267	145,868
181905-WC-331	05/04/19	2018/19	1,000,000	195,026	89,132	284,159
181905-WC-381	05/25/19	2018/19	1,000,000	145,152	34,848	180,000
192007-WC-030	07/29/19	2019/20	1,000,000	62,322	65,678	128,000
192008-WC-027	08/02/19	2019/20	1,000,000	65,788	70,780	136,568
192009-WC-079	09/11/19	2019/20	1,000,000	129,816	45,184	175,000
192012-WC-141	12/18/19	2019/20	1,000,000	142,780	82,864	225,644
202111-WC-149	11/02/20	2020/21	1,000,000	90,174	92,523	182,697
202105-WC-320	05/20/21	2020/21	1,000,000	4,762	214,358	219,120

+ These claims are fire claims.

Amounts are gross of excess insurance and net of other recoveries.

The claim(s) indicated by a "*" have been limited in development.

Amounts are gross of excess insurance and net of other recoveries.

(1) through (7) were provided by the City.



CITY OF SCOTTSDALE, ARIZONA
WORKERS' COMPENSATION

Exhibit WC-21

Size of Loss Distribution

I. Reported Claim Count

Claim Size (1)	Prior (2)	2016/17 (3)	2017/18 (4)	2018/19 (5)	2019/20 (6)	2020/21 (7)	Total (2)...(7) (8)	Non-Zero Claim Cumulative Total (9)	Non-Zero Claim Cumulative % of Total (10)
0	718	75	80	108	72	14	1,067		
0.01 - 5,000	4,104	179	180	204	123	122	4,912	4,912	80.6%
5,000 - 10,000	291	16	25	23	20	24	399	5,311	87.1%
10,000 - 25,000	271	21	24	22	19	19	376	5,687	93.3%
25,000 - 50,000	134	11	9	13	10	17	194	5,881	96.4%
50,000 - 100,000	67	6	12	10	8	9	112	5,993	98.3%
100,000 - 250,000	40	5	4	4	4	2	59	6,052	99.2%
250,000 - 500,000	28	0	0	2	0	0	30	6,082	99.7%
500,000 - 750,000	8	1	1	0	0	0	10	6,092	99.9%
750,000 - 1,000,000	4	0	1	0	0	0	5	6,097	100.0%
Over 1,000,000	0	0	1	0	0	0	1	6,098	100.0%
Total	5,665	314	337	386	256	207	7,165	6,098	

II. Total Reported Incurred Losses

Claim Size (1)	Prior (2)	2016/17 (3)	2017/18 (4)	2018/19 (5)	2019/20 (6)	2020/21 (7)	Total (2)...(7) (8)	Non-Zero Claim Cumulative Total (9)	Non-Zero Claim Cumulative % of Total (10)
0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
0.01 - 5,000	3,814,138	232,927	237,378	292,281	178,618	211,737	4,967,079	4,967,079	8.2%
5,000 - 10,000	2,071,534	100,384	182,566	159,278	133,042	174,568	2,821,373	7,788,451	12.8%
10,000 - 25,000	4,282,584	357,749	418,563	337,393	273,383	283,250	5,952,921	13,741,372	22.7%
25,000 - 50,000	4,638,510	449,556	324,956	423,310	354,882	659,088	6,850,301	20,591,674	33.9%
50,000 - 100,000	4,654,317	361,254	841,291	661,851	534,431	585,659	7,638,802	28,230,476	46.5%
100,000 - 250,000	6,612,572	671,502	699,644	582,123	665,243	401,817	9,632,901	37,863,377	62.4%
250,000 - 500,000	9,308,508	0	0	541,346	0	0	9,849,854	47,713,231	78.7%
500,000 - 750,000	4,973,691	594,218	519,687	0	0	0	6,087,596	53,800,827	88.7%
750,000 - 1,000,000	3,500,949	0	842,000	0	0	0	4,342,949	58,143,776	95.9%
Over 1,000,000	0	0	2,513,000	0	0	0	2,513,000	60,656,776	100.0%
Total	\$43,856,802	\$2,767,589	\$6,579,085	\$2,997,583	\$2,139,599	\$2,316,118	\$60,656,776	\$60,656,776	

Amounts are gross of excess insurance and other recoveries.

Data was provided by the City.



CITY OF SCOTTSDALE, ARIZONA
WORKERS' COMPENSATION

Exhibit WC-22

Estimated Outstanding Unallocated Loss Adjustment Expenses

Fiscal Period (1)	Total Paid Losses During Fiscal Period (2)	ULAE- Other Operating Expenses (3)	Ratio (3)/(2) (4)
2016/17	\$3,388,361	\$285,032	8.4%
2017/18	3,827,339	297,104	7.8%
2018/19	4,866,868	430,782	8.9%
2019/20	3,555,559	430,782	12.1%
2020/21	4,222,786	430,782	10.2%
Total/Average	\$19,860,913	\$1,874,482	9.4%
(5) Selected Paid-to-Paid Ratio			9.0%

	Amount (a)	Estimated ULAE (b)
(6) Limited Case Reserves as of 6/30/21	\$7,904,211	\$355,689
(7) (i) Estimated Pure IBNR	\$181,221	\$16,310
(ii) Case Reserve Development	6,920,554	311,425
(iii) Estimated IBNR as of 6/30/21	\$7,101,775	\$327,735
(8) Outstanding Losses as of 6/30/21 (6)+(7iii)	\$15,005,986	\$683,424
(9) Ratio of ULAE to Outstanding Losses (8b)/(8a)		4.6%
(10) Selected Ratio of ULAE to Outstanding Losses		4.5%

(2) and (3) were provided by the City.

(5) is based on (4) and actuarial judgment.

(6a) is from Exhibit WC-1.

(6b) is 50% of (6a) multiplied by (5).

(7ia) is based on estimated late reported claims multiplied by the average severity from Exhibit WC-8.

(7ib) is (7ia) multiplied by (5).

(7iia) is (7iia) minus (7ia).

(7iib) is 50% of (7iia) multiplied by (5).

(7iia) is from Exhibit WC-11.

(7iib) is (7ib) plus (7iib).

(10) is based on (9) and actuarial judgment.



CITY OF SCOTTSDALE, ARIZONA
GENERAL LIABILITY

Data Summary as of June 30, 2021
Losses Limited to Self-Insured Retention

Claim Period (1)	Specific Self-Insured Retention (2)	Aggregate Retention (3)	Months of Development 6/30/21 (4)	Payroll (000) (5)	Reported Claims 6/30/21 (6)	Open Claims 6/30/21 (7)	Limited Paid Losses 6/30/21 (8)	Limited Case Reserves 6/30/21 (9)	Limited Reported Incurred Losses 6/30/21 (10)
to 2001/02	See Note	None	240.0	Not Provided	1,910	0	\$19,813,025	\$0	\$19,813,025
2002/03	2,000,000	None	228.0	82,440	119	0	1,839,297	0	1,839,297
2003/04	2,000,000	None	216.0	105,138	92	0	1,763,244	0	1,763,244
2004/05	2,000,000	None	204.0	116,434	108	0	3,509,397	0	3,509,397
2005/06	2,000,000	None	192.0	154,232	105	0	695,199	0	695,199
2006/07	2,000,000	None	180.0	174,162	105	0	877,227	0	877,227
2007/08	2,000,000	None	168.0	179,886	71	0	851,020	0	851,020
2008/09	2,000,000	None	156.0	183,035	64	0	2,952,204	0	2,952,204
2009/10	2,000,000	None	144.0	175,054	53	0	905,310	0	905,310
2010/11	2,000,000	None	132.0	165,150	68	0	849,933	0	849,933
2011/12	2,000,000	None	120.0	154,467	71	0	3,891,982	0	3,891,982
2012/13	2,000,000	None	108.0	158,387	67	0	3,819,215	0	3,819,215
2013/14	2,000,000	None	96.0	164,628	95	0	1,168,407	0	1,168,407
2014/15	2,000,000	None	84.0	165,752	60	0	589,756	0	589,756
2015/16	2,000,000	None	72.0	168,042	72	1	946,097	96,437	1,042,534
2016/17	2,000,000	None	60.0	164,127	50	2	886,044	11,708	897,752
2017/18	2,000,000	None	48.0	159,639	52	5	3,218,609	175,349	3,393,958
2018/19	2,000,000	None	36.0	168,399	54	9	790,138	382,410	1,172,548
2019/20	2,000,000	None	24.0	170,061	71	10	497,700	398,925	896,626
2020/21	2,000,000	None	12.0	176,612	58	10	127,545	562,215	689,760
Total					3,345	37	\$49,991,349	\$1,627,044	\$51,618,393

* The specific self-insured retention changes are as follows:

Effective Date	Retention
07/01/75	\$250,000
07/01/80	100,000
07/01/85	250,000
07/01/87	1,000,000
07/01/02	2,000,000

(6) and (7) exclude claims with \$0 incurred.

(8), (9) and (10) are net of the specific self-insured retention and other recoveries.

Data was provided by the City.



CITY OF SCOTTSDALE, ARIZONA
GENERAL LIABILITY

Data Summary as of June 30, 2021
Net Unlimited Losses

Claim Period (1)	Specific Self-Insured Retention (2)	Aggregate Retention (3)	Months of Development 6/30/21 (4)	Payroll (000) (5)	Reported Claims 6/30/21 (6)	Open Claims 6/30/21 (7)	Net Unlimited Paid Losses 6/30/21 (8)	Net Unlimited Case Reserves 6/30/21 (9)	Net Unlimited Reported Incurred Losses 6/30/21 (10)
to 2001/02	Unlimited	None	240.0	Not Provided	1,910	0	\$20,510,680	\$0	\$20,510,680
2002/03	Unlimited	None	228.0	82,440	119	0	1,839,297	0	1,839,297
2003/04	Unlimited	None	216.0	105,138	92	0	1,763,244	0	1,763,244
2004/05	Unlimited	None	204.0	116,434	108	0	3,509,397	0	3,509,397
2005/06	Unlimited	None	192.0	154,232	105	0	695,199	0	695,199
2006/07	Unlimited	None	180.0	174,162	105	0	877,227	0	877,227
2007/08	Unlimited	None	168.0	179,886	71	0	851,020	0	851,020
2008/09	Unlimited	None	156.0	183,035	64	0	3,139,527	0	3,139,527
2009/10	Unlimited	None	144.0	175,054	53	0	905,310	0	905,310
2010/11	Unlimited	None	132.0	165,150	68	0	849,933	0	849,933
2011/12	Unlimited	None	120.0	154,467	71	0	3,892,210	0	3,892,210
2012/13	Unlimited	None	108.0	158,387	67	0	3,819,215	0	3,819,215
2013/14	Unlimited	None	96.0	164,628	95	0	1,168,407	0	1,168,407
2014/15	Unlimited	None	84.0	165,752	60	0	589,756	0	589,756
2015/16	Unlimited	None	72.0	168,042	72	1	946,097	96,437	1,042,534
2016/17	Unlimited	None	60.0	164,127	50	2	886,044	11,708	897,752
2017/18	Unlimited	None	48.0	159,639	52	5	3,251,970	175,349	3,427,319
2018/19	Unlimited	None	36.0	168,399	54	9	790,138	382,410	1,172,548
2019/20	Unlimited	None	24.0	170,061	71	10	497,700	398,925	896,626
2020/21	Unlimited	None	12.0	176,612	58	10	127,545	562,215	689,760
Total					3,345	37	\$50,909,916	\$1,627,044	\$52,536,960

(6) and (7) exclude claims with \$0 incurred.

(8), (9) and (10) are gross of the specific self-insured retention and net of other recoveries.

Data was provided by the City.



CITY OF SCOTTSDALE, ARIZONA
GENERAL LIABILITY

Data Summary as of June 30, 2021
Gross Unlimited Losses

Claim Period (1)	Specific Self-Insured Retention (2)	Aggregate Retention (3)	Months of Development 6/30/21 (4)	Payroll (000) (5)	Reported Claims 6/30/21 (6)	Open Claims 6/30/21 (7)	Gross Unlimited Paid Losses 6/30/21 (8)	Gross Unlimited Case Reserves 6/30/21 (9)	Gross Unlimited Reported Incurred Losses 6/30/21 (10)
to 2001/02	Unlimited	None	240.0	Not Provided	1,910	0	\$20,835,334	\$0	\$20,835,334
2002/03	Unlimited	None	228.0	82,440	119	0	1,850,225	0	1,850,225
2003/04	Unlimited	None	216.0	105,138	92	0	1,763,946	0	1,763,946
2004/05	Unlimited	None	204.0	116,434	108	0	3,648,866	0	3,648,866
2005/06	Unlimited	None	192.0	154,232	105	0	695,774	0	695,774
2006/07	Unlimited	None	180.0	174,162	105	0	877,227	0	877,227
2007/08	Unlimited	None	168.0	179,886	71	0	852,005	0	852,005
2008/09	Unlimited	None	156.0	183,035	64	0	3,139,527	0	3,139,527
2009/10	Unlimited	None	144.0	175,054	53	0	905,310	0	905,310
2010/11	Unlimited	None	132.0	165,150	68	0	849,933	0	849,933
2011/12	Unlimited	None	120.0	154,467	71	0	3,920,560	0	3,920,560
2012/13	Unlimited	None	108.0	158,387	67	0	3,849,743	0	3,849,743
2013/14	Unlimited	None	96.0	164,628	95	0	1,169,021	0	1,169,021
2014/15	Unlimited	None	84.0	165,752	60	0	589,756	0	589,756
2015/16	Unlimited	None	72.0	168,042	72	1	946,097	96,437	1,042,534
2016/17	Unlimited	None	60.0	164,127	50	2	893,152	11,708	904,859
2017/18	Unlimited	None	48.0	159,639	52	5	3,251,970	175,349	3,427,319
2018/19	Unlimited	None	36.0	168,399	54	9	790,138	382,410	1,172,548
2019/20	Unlimited	None	24.0	170,061	71	10	497,700	398,925	896,626
2020/21	Unlimited	None	12.0	176,612	58	10	127,545	562,215	689,760
Total					3,345	37	\$51,453,830	\$1,627,044	\$53,080,874

(6) and (7) exclude claims with \$0 incurred.

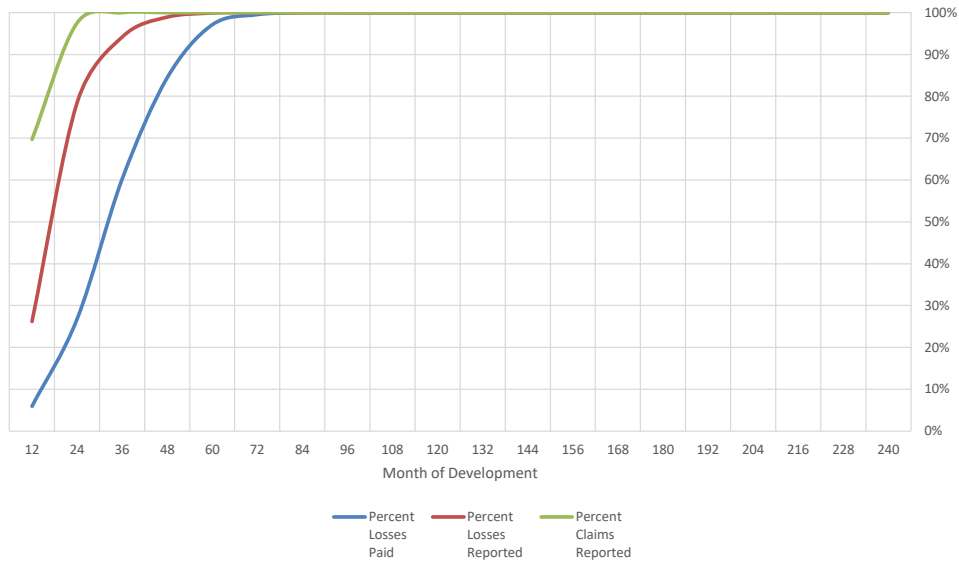
(8), (9) and (10) are gross of the specific self-insured retention and other recoveries.

Data was provided by the City.



Summary of Percent Losses Paid, Losses Reported and Claims Reported

Months of Development (1)	Percent Losses Paid (2)	Percent Losses Reported (3)	Percent Claims Reported (4)
360.0	100.0%	100.0%	100.0%
348.0	100.0%	100.0%	100.0%
336.0	100.0%	100.0%	100.0%
324.0	100.0%	100.0%	100.0%
312.0	100.0%	100.0%	100.0%
300.0	100.0%	100.0%	100.0%
288.0	100.0%	100.0%	100.0%
276.0	100.0%	100.0%	100.0%
264.0	100.0%	100.0%	100.0%
252.0	100.0%	100.0%	100.0%
240.0	100.0%	100.0%	100.0%
228.0	100.0%	100.0%	100.0%
216.0	100.0%	100.0%	100.0%
204.0	100.0%	100.0%	100.0%
192.0	100.0%	100.0%	100.0%
180.0	100.0%	100.0%	100.0%
168.0	100.0%	100.0%	100.0%
156.0	100.0%	100.0%	100.0%
144.0	100.0%	100.0%	100.0%
132.0	100.0%	100.0%	100.0%
120.0	100.0%	100.0%	100.0%
108.0	100.0%	100.0%	100.0%
96.0	100.0%	100.0%	100.0%
84.0	100.0%	100.0%	100.0%
72.0	99.5%	100.0%	100.0%
60.0	97.1%	99.9%	100.0%
48.0	84.4%	98.9%	100.0%
36.0	60.3%	94.2%	100.0%
24.0	26.8%	78.5%	97.6%
12.0	6.0%	26.2%	69.7%



(2) is from Exhibit GL-2 (page 2).

(3) is from Exhibit GL-2 (page 3).

(4) is from Exhibit GL-2 (page 4).



CITY OF SCOTTSDALE, ARIZONA
GENERAL LIABILITY

Historical Limited Paid Losses (\$000) and Limited Paid Loss Development

I. Historical Limited Paid Losses (\$000)

Claim Period	Months of Development:																			
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204	216	228	240
to 2001/02																				
2002/03	177	341	1,121	1,836	1,839	1,839	1,839	1,839	1,839	1,839	1,839	1,839	1,839	1,839	1,839	1,839	1,839	1,839	1,839	1,839
2003/04	172	275	667	814	971	1,759	1,763	1,763	1,763	1,763	1,763	1,763	1,763	1,763	1,763	1,763	1,763	1,763	1,763	1,763
2004/05	262	1,908	2,031	3,472	3,509	3,509	3,509	3,509	3,509	3,509	3,509	3,509	3,509	3,509	3,509	3,509	3,509	3,509	3,509	3,509
2005/06	233	531	577	684	695	695	695	695	695	695	695	695	695	695	695	695	695	695	695	695
2006/07	155	282	876	877	877	877	877	877	877	877	877	877	877	877	877	877	877	877	877	877
2007/08	130	305	721	842	845	847	851	851	851	851	851	851	851	851	851	851	851	851	851	851
2008/09	165	553	1,417	2,226	2,800	2,952	2,952	2,952	2,952	2,952	2,952	2,952	2,952	2,952	2,952	2,952	2,952	2,952	2,952	2,952
2009/10	54	108	185	401	905	905	905	905	905	905	905	905	905	905	905	905	905	905	905	905
2010/11	93	271	627	845	850	850	850	850	850	850	850	850	850	850	850	850	850	850	850	850
2011/12	107	2,625	3,247	3,465	3,616	3,893	3,916	3,892	3,892	3,892	3,892	3,892	3,892	3,892	3,892	3,892	3,892	3,892	3,892	3,892
2012/13	51	255	2,345	3,376	3,809	3,817	3,817	3,817	3,817	3,817	3,817	3,817	3,817	3,817	3,817	3,817	3,817	3,817	3,817	3,817
2013/14	135	292	551	836	976	1,009	1,168	1,168	1,168	1,168	1,168	1,168	1,168	1,168	1,168	1,168	1,168	1,168	1,168	1,168
2014/15	47	238	349	590	590	590	590	590	590	590	590	590	590	590	590	590	590	590	590	590
2015/16	108	189	424	530	887	946	946	946	946	946	946	946	946	946	946	946	946	946	946	946
2016/17	103	381	755	796	886	886	886	886	886	886	886	886	886	886	886	886	886	886	886	886
2017/18	180	885	3,113	3,219	3,219	3,219	3,219	3,219	3,219	3,219	3,219	3,219	3,219	3,219	3,219	3,219	3,219	3,219	3,219	3,219
2018/19	44	363	790	790	790	790	790	790	790	790	790	790	790	790	790	790	790	790	790	790
2019/20	84	498	498	498	498	498	498	498	498	498	498	498	498	498	498	498	498	498	498	498
2020/21	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128

#

II. Limited Paid Loss Development

Claim Period	Months of Development:																			
	12-24	24-36	36-48	48-60	60-72	72-84	84-96	96-108	108-120	120-132	132-144	144-156	156-168	168-180	180-192	192-204	204-216	216-228	228-240	240-Ult
to 2001/02																				
2002/03	1.932	3.285	1.637	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
2003/04	1.603	2.424	1.221	1.194	1.811	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
2004/05	7.274	1.064	1.710	1.011	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2005/06	2.280	1.087	1.186	1.017	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2006/07	1.819	3.107	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
2007/08	2.349	2.365	1.168	1.004	1.002	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
2008/09	3.357	2.562	1.571	1.258	1.054	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2009/10	1.986	1.709	2.171	2.255	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2010/11	2.922	2.315	1.348	1.006	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2011/12	24.449	1.237	1.067	1.044	1.076	1.006	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
2012/13	4.948	9.207	1.439	1.128	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
2013/14	2.167	1.888	1.517	1.168	1.034	1.158	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2014/15	5.027	1.466	1.687	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2015/16	1.750	2.239	1.251	1.674	1.066	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2016/17	3.693	1.981	1.054	1.114	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2017/18	4.909	3.517	1.034	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2018/19	8.250	2.176	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2019/20	5.921	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2020/21	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Average																				
All	4.813	2.566	1.379	1.191	1.075	1.013	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Wtd 3	5.662	2.859	1.059	1.234	1.037	1.029	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
Last 3	6.360	2.558	1.113	1.263	1.033	1.053	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
Last 5	4.841	2.132	1.274	1.137	1.034	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
x-hi,low																				
Similar	2.750	1.740	1.430	1.245	1.130	1.080	1.060	1.037	1.028	1.019	1.014	1.011	1.008	1.006	1.005	1.004	1.003	1.002	1.006	1.000
Previous	4.000	2.250	1.500	1.150	1.025	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
Selected	4.500	2.250	1.400	1.150	1.025	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
Cumulative	16.792	3.732	1.659	1.185	1.030	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
Percent	6.0%	26.8%	60.3%	84.4%	97.1%	99.5%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Amounts are limited (net of excess insurance).

Data was provided by the City.



CITY OF SCOTTSDALE, ARIZONA
GENERAL LIABILITY

Historical Limited Reported Incurred Losses (\$000) and Limited Reported Incurred Loss Development

I. Historical Limited Reported Incurred Losses (\$000)

Claim Period	Months of Development:																			
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204	216	228	240
to 2001/02																				
2002/03	841	1,525	1,824	1,839	1,839	1,842	1,842	1,842	1,839	1,839	1,839	1,839	1,839	1,839	1,839	1,839	1,839	1,839	1,839	1,839
2003/04	957	1,720	1,136	893	1,533	1,779	1,763	1,763	1,763	1,763	1,763	1,763	1,763	1,763	1,763	1,763	1,763	1,763	1,763	1,763
2004/05	1,273	3,109	2,606	3,539	3,554	3,554	3,509	3,509	3,509	3,509	3,509	3,509	3,509	3,509	3,509	3,509	3,509	3,509	3,509	3,509
2005/06	876	923	704	706	702	695	695	695	695	695	695	695	695	695	695	695	695	695	695	695
2006/07	524	932	1,001	1,002	877	877	877	877	877	877	877	877	877	877	877	877	877	877	877	877
2007/08	287	700	810	870	859	858	858	851	851	851	851	851	851	851	851	851	851	851	851	851
2008/09	1,528	3,078	3,080	3,009	2,952	2,952	2,952	2,952	2,952	2,952	2,952	2,952	2,952	2,952	2,952	2,952	2,952	2,952	2,952	2,952
2009/10	178	196	293	856	905	905	905	905	905	905	905	905	905	905	905	905	905	905	905	905
2010/11	202	445	698	872	850	850	850	850	850	850	850	850	850	850	850	850	850	850	850	850
2011/12	312	3,243	3,609	3,750	3,932	4,047	3,918	3,894	3,894	3,892	3,892	3,892	3,892	3,892	3,892	3,892	3,892	3,892	3,892	3,892
2012/13	67	1,382	3,368	3,557	3,914	3,821	3,821	3,821	3,821	3,819	3,819	3,819	3,819	3,819	3,819	3,819	3,819	3,819	3,819	3,819
2013/14	450	615	1,051	1,318	1,088	1,138	1,168	1,168	1,168	1,168	1,168	1,168	1,168	1,168	1,168	1,168	1,168	1,168	1,168	1,168
2014/15	256	474	1,021	958	590	590	590	590	590	590	590	590	590	590	590	590	590	590	590	590
2015/16	164	927	913	978	1,057	1,043	1,043	1,043	1,043	1,043	1,043	1,043	1,043	1,043	1,043	1,043	1,043	1,043	1,043	1,043
2016/17	217	815	906	927	898	898	898	898	898	898	898	898	898	898	898	898	898	898	898	898
2017/18	2,727	2,825	3,391	3,394	3,394	3,394	3,394	3,394	3,394	3,394	3,394	3,394	3,394	3,394	3,394	3,394	3,394	3,394	3,394	3,394
2018/19	131	770	1,173	1,173	1,173	1,173	1,173	1,173	1,173	1,173	1,173	1,173	1,173	1,173	1,173	1,173	1,173	1,173	1,173	1,173
2019/20	313	897	897	897	897	897	897	897	897	897	897	897	897	897	897	897	897	897	897	897
2020/21	690	690	690	690	690	690	690	690	690	690	690	690	690	690	690	690	690	690	690	690

#

II. Limited Reported Incurred Loss Development

Claim Period	Months of Development:																			
	12-24	24-36	36-48	48-60	60-72	72-84	84-96	96-108	108-120	120-132	132-144	144-156	156-168	168-180	180-192	192-204	204-216	216-228	228-240	240-Ult
to 2001/02																				
2002/03	1.813	1.196	1.008	1.000	1.002	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
2003/04	1.798	0.660	0.786	1.717	1.161	0.991	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2004/05	2.442	0.838	1.358	1.004	1.000	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
2005/06	1.054	0.763	1.002	0.995	0.990	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2006/07	1.778	1.074	1.001	0.876	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2007/08	2.440	1.157	1.073	0.988	0.999	1.000	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
2008/09	2.014	1.001	0.977	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
2009/10	1.097	1.499	2.916	1.058	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2010/11	2.204	1.567	1.249	0.974	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2011/12	10.387	1.113	1.039	1.049	1.029	0.968	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
2012/13	20.605	2.437	1.056	1.100	0.976	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
2013/14	1.367	1.710	1.254	0.825	1.046	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
2014/15	1.850	2.154	0.938	0.616	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2015/16	5.650	0.985	1.071	1.080	0.986	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2016/17	3.749	1.112	1.024	0.968	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2017/18	1.036	1.200	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001
2018/19	5.877	1.523	1.523	1.523	1.523	1.523	1.523	1.523	1.523	1.523	1.523	1.523	1.523	1.523	1.523	1.523	1.523	1.523	1.523	1.523
2019/20	2.867	2.867	2.867	2.867	2.867	2.867	2.867	2.867	2.867	2.867	2.867	2.867	2.867	2.867	2.867	2.867	2.867	2.867	2.867	2.867
2020/21																				
Average																				
All	3.890	1.294	1.172	1.015	1.014	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
Wtd 3	1.417	1.240	1.017	0.889	1.013	1.005	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
Last 3	3.260	1.278	1.032	0.888	1.011	1.009	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
Last 5	4.089	1.278	1.032	0.958	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
x-hi,low																				
Similar	1.900	1.400	1.220	1.120	1.070	1.045	1.030	1.020	1.014	1.009	1.007	1.005	1.004	1.003	1.002	1.002	1.001	1.001	1.003	1.000
Previous	3.000	1.200	1.065	1.010	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
Selected	3.000	1.200	1.050	1.010	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
Cumulative	3.822	1.274	1.062	1.011	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
Percent	26.2%	78.5%	94.2%	98.9%	99.9%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Amounts are limited (net of excess insurance).

Data was provided by the City.



CITY OF SCOTTSDALE, ARIZONA
GENERAL LIABILITY

Historical Reported Claims and Reported Claim Development

I. Historical Reported Claims

Claim Period	Months of Development:																			
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204	216	228	240
to 2001/02																				
2002/03					116	117	116	119	119	119	119	119	119	119	119	119	119	119	119	119
2003/04				90	91	91	92	92	92	92	92	92	92	92	92	92	92	92	92	92
2004/05			103	103	103	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108
2005/06		106	101	104	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105
2006/07	118	103	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105
2007/08	85	76	73	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71
2008/09	101	84	69	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64
2009/10	67	74	56	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
2010/11	95	86	67	67	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68
2011/12	63	68	69	71	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73
2012/13	49	67	69	70	70	70	70	70	70	71	67									
2013/14	79	92	95	95	95	95	95	95	95											
2014/15	39	60	60	60	60	60	60	60	60											
2015/16	54	71	72	72	72	72	72	72	72											
2016/17	36	47	50	50	50	50	50	50	50											
2017/18	40	50	52	52	52	52	52	52	52											
2018/19	31	53	54	54	54	54	54	54	54											
2019/20	47	71																		
2020/21	58																			#

II. Reported Claim Development

Claim Period	Months of Development:																			
	12-24	24-36	36-48	48-60	60-72	72-84	84-96	96-108	108-120	120-132	132-144	144-156	156-168	168-180	180-192	192-204	204-216	216-228	228-240	240-Ult
to 2001/02																				
2002/03					1.009	0.991	1.026	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2003/04				1.011	1.000	1.011	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2004/05			1.000	1.000	1.049	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2005/06		0.953	1.030	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2006/07	0.873	1.019	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2007/08	0.894	0.961	0.973	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2008/09	0.832	0.821	0.928	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2009/10	1.104	0.757	0.946	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2010/11	0.905	0.779	1.000	1.015	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2011/12	1.079	1.015	1.029	1.028	1.000	1.000	1.000	1.000	1.000	0.973										
2012/13	1.367	1.030	1.014	1.000	1.000	1.000	1.014	0.944												
2013/14	1.165	1.033	1.000	1.000	1.000	1.000	1.000	1.000												
2014/15	1.538	1.000	1.000	1.000	1.000	1.000	1.000	1.000												
2015/16	1.315	1.014	1.000	1.000	1.000	1.000	1.000	1.000												
2016/17	1.306	1.064	1.000	1.000	1.000	1.000	1.000	1.000												
2017/18	1.250	1.040	1.000	1.000	1.000	1.000	1.000	1.000												
2018/19	1.710	1.019	1.000	1.000	1.000	1.000	1.000	1.000												
2019/20	1.511																			
2020/21																				
Average																				
All	1.203	0.965	0.994	1.005	1.004	1.000	1.003	0.995	0.997	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Wtd 3	1.475	1.040	1.000	1.000	1.000	1.000	1.004	0.981	0.990	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Last 3	1.490	1.041	1.000	1.000	1.000	1.000	1.005	0.981	0.991	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Last 5	1.377	1.024	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
x-hi,low																				
Similar	1.219	1.047	1.026	1.015	1.012	1.011	1.012	1.013	1.017	1.003	1.003	1.002	1.001	1.001	1.001	1.001	1.001	1.000	1.000	1.000
Previous	1.300	1.025	1.000	1.000	1.000	1.000	1.000	1.000	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	1.400	1.025	1.000	1.000	1.000	1.000	1.000	1.000	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	1.435	1.025	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Percent	69.7%	97.6%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Data excludes claims with \$0 incurred.

Data was provided by the City.



CITY OF SCOTTSDALE, ARIZONA
GENERAL LIABILITY

Historical Ratio of Limited Paid Losses and Limited Reported Incurred Losses

Claim Period	Months of Development:																			
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204	216	228	240
to 2001/02																				
2002/03	21.0%	22.4%	61.5%	99.8%	99.9%	99.9%	99.9%	99.9%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
2003/04	17.9%	16.0%	58.7%	91.1%	63.4%	98.9%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
2004/05	20.6%	61.4%	77.9%	98.1%	98.7%	98.7%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
2005/06	26.6%	57.5%	81.8%	96.9%	99.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
2006/07	29.6%	30.3%	87.6%	87.6%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
2007/08	45.2%	43.5%	89.0%	96.8%	98.4%	98.7%	99.2%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
2008/09	10.8%	18.0%	46.0%	74.0%	94.8%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
2009/10	30.6%	55.3%	63.0%	46.9%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
2010/11	45.9%	60.8%	89.8%	96.9%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
2011/12	34.4%	80.9%	90.0%	92.4%	92.0%	96.2%	99.9%	99.9%	99.9%	100.0%										
2012/13	76.8%	18.4%	69.6%	94.9%	97.3%	99.9%	99.9%	99.9%	100.0%											
2013/14	29.9%	47.5%	52.4%	63.4%	89.7%	88.6%	100.0%	100.0%												
2014/15	18.5%	50.3%	34.2%	61.5%	100.0%	100.0%	100.0%													
2015/16	65.9%	20.4%	46.4%	54.2%	83.9%	90.7%														
2016/17	47.5%	46.8%	83.4%	85.8%	98.7%															
2017/18	6.6%	31.3%	91.8%	94.8%																
2018/19	33.6%	47.2%	67.4%																	
2019/20	26.9%	55.5%																		
2020/21	18.5%																			#
Average																				
All	31.9%	42.4%	70.0%	83.4%	94.4%	98.0%	99.9%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Last 3	26.3%	44.7%	80.9%	78.3%	94.2%	93.1%	100.0%	99.9%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Last 5	26.3%	41.8%	65.7%	70.3%	95.2%	95.6%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
x-hi,low																				
Implicit	22.8%	34.1%	64.0%	85.3%	97.2%	99.5%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%



CITY OF SCOTTSDALE, ARIZONA
GENERAL LIABILITY

Exhibit GL-3

Developed Limited Paid Losses

Claim Period (1)	Months of Development 6/30/21 (2)	Limited Paid Losses 6/30/21 (3)	Percent Losses Paid (4)	Developed Limited Paid Losses (3)/(4) (5)
to 2001/02	240.0	\$19,813,025	100.0%	\$19,813,025
2002/03	228.0	1,839,297	100.0%	1,839,297
2003/04	216.0	1,763,244	100.0%	1,763,244
2004/05	204.0	3,509,397	100.0%	3,509,397
2005/06	192.0	695,199	100.0%	695,199
2006/07	180.0	877,227	100.0%	877,227
2007/08	168.0	851,020	100.0%	851,020
2008/09	156.0	2,952,204	100.0%	2,952,204
2009/10	144.0	905,310	100.0%	905,310
2010/11	132.0	849,933	100.0%	849,933
2011/12	120.0	3,891,982	100.0%	3,891,982
2012/13	108.0	3,819,215	100.0%	3,819,215
2013/14	96.0	1,168,407	100.0%	1,168,407
2014/15	84.0	589,756	100.0%	589,756
2015/16	72.0	946,097	99.5%	950,827
2016/17	60.0	886,044	97.1%	912,736
2017/18	48.0	3,218,609	84.4%	3,812,905
2018/19	36.0	790,138	60.3%	1,310,444
2019/20	24.0	497,700	26.8%	1,857,232
2020/21	12.0	127,545	6.0%	2,141,774
Total		\$49,991,349		\$54,511,135

(3) is from Exhibit GL-1.

(4) is from Exhibit GL-2.



CITY OF SCOTTSDALE, ARIZONA
GENERAL LIABILITY

Exhibit GL-4

Developed Limited Reported Incurred Losses

Claim Period (1)	Months of Development 6/30/21 (2)	Limited Reported Incurred Losses 6/30/21 (3)	Percent Losses Reported (4)	Developed Limited Reported Incurred Losses (3)/(4) (5)
to 2001/02	240.0	\$19,813,025	100.0%	\$19,813,025
2002/03	228.0	1,839,297	100.0%	1,839,297
2003/04	216.0	1,763,244	100.0%	1,763,244
2004/05	204.0	3,509,397	100.0%	3,509,397
2005/06	192.0	695,199	100.0%	695,199
2006/07	180.0	877,227	100.0%	877,227
2007/08	168.0	851,020	100.0%	851,020
2008/09	156.0	2,952,204	100.0%	2,952,204
2009/10	144.0	905,310	100.0%	905,310
2010/11	132.0	849,933	100.0%	849,933
2011/12	120.0	3,891,982	100.0%	3,891,982
2012/13	108.0	3,819,215	100.0%	3,819,215
2013/14	96.0	1,168,407	100.0%	1,168,407
2014/15	84.0	589,756	100.0%	589,756
2015/16	72.0	1,042,534	100.0%	1,042,534
2016/17	60.0	897,752	99.9%	898,649
2017/18	48.0	3,393,958	98.9%	3,431,325
2018/19	36.0	1,172,548	94.2%	1,244,730
2019/20	24.0	896,626	78.5%	1,142,187
2020/21	12.0	689,760	26.2%	2,635,998
Total		\$51,618,393		\$53,920,640

(3) is from Exhibit GL-1.

(4) is from Exhibit GL-2.



CITY OF SCOTTSDALE, ARIZONA
GENERAL LIABILITY

Exhibit GL-5

Developed Limited Case Reserves

Claim Period (1)	Months of Development 6/30/21 (2)	Percent Losses Paid (3)	Percent Losses Reported (4)	Percent Losses Reserved 6/30/21 [(4)-(3)]/ [100.0%-(3)] (5)	Limited Paid Losses 6/30/21 (6)	Limited Case Reserves 6/30/21 (7)	Developed Limited Case Reserves (6)+(7)/(5) (8)
to 2001/02	240.0	100.0%	100.0%	100.0%	\$19,813,025	\$0	\$19,813,025
2002/03	228.0	100.0%	100.0%	100.0%	1,839,297	0	1,839,297
2003/04	216.0	100.0%	100.0%	100.0%	1,763,244	0	1,763,244
2004/05	204.0	100.0%	100.0%	100.0%	3,509,397	0	3,509,397
2005/06	192.0	100.0%	100.0%	100.0%	695,199	0	695,199
2006/07	180.0	100.0%	100.0%	100.0%	877,227	0	877,227
2007/08	168.0	100.0%	100.0%	100.0%	851,020	0	851,020
2008/09	156.0	100.0%	100.0%	100.0%	2,952,204	0	2,952,204
2009/10	144.0	100.0%	100.0%	100.0%	905,310	0	905,310
2010/11	132.0	100.0%	100.0%	100.0%	849,933	0	849,933
2011/12	120.0	100.0%	100.0%	100.0%	3,891,982	0	3,891,982
2012/13	108.0	100.0%	100.0%	100.0%	3,819,215	0	3,819,215
2013/14	96.0	100.0%	100.0%	100.0%	1,168,407	0	1,168,407
2014/15	84.0	100.0%	100.0%	100.0%	589,756	0	589,756
2015/16	72.0	99.5%	100.0%	100.0%	946,097	96,437	1,042,534
2016/17	60.0	97.1%	99.9%	96.6%	886,044	11,708	898,166
2017/18	48.0	84.4%	98.9%	93.0%	3,218,609	175,349	3,407,130
2018/19	36.0	60.3%	94.2%	85.4%	790,138	382,410	1,237,953
2019/20	24.0	26.8%	78.5%	70.6%	497,700	398,925	1,062,508
2020/21	12.0	6.0%	26.2%	21.5%	127,545	562,215	2,743,510
Total					\$49,991,349	\$1,627,044	\$53,917,018

(3) and (4) are from Exhibit GL-2.

(6) and (7) are from Exhibit GL-1.



CITY OF SCOTTSDALE, ARIZONA
GENERAL LIABILITY

Exhibit GL-6

Preliminary Projected Ultimate Limited Losses to 2020/21

Claim Period (1)	Developed Limited Paid Losses (2)	Developed Limited Reported Incurred Losses (3)	Developed Limited Case Reserves (4)	Preliminary Projected Ultimate Limited Losses (5)
to 2001/02	\$19,813,025	\$19,813,025	\$19,813,025	\$19,813,025
2002/03	1,839,297	1,839,297	1,839,297	1,839,297
2003/04	1,763,244	1,763,244	1,763,244	1,763,244
2004/05	3,509,397	3,509,397	3,509,397	3,509,397
2005/06	695,199	695,199	695,199	695,199
2006/07	877,227	877,227	877,227	877,227
2007/08	851,020	851,020	851,020	851,020
2008/09	2,952,204	2,952,204	2,952,204	2,952,204
2009/10	905,310	905,310	905,310	905,310
2010/11	849,933	849,933	849,933	849,933
2011/12	3,891,982	3,891,982	3,891,982	3,891,982
2012/13	3,819,215	3,819,215	3,819,215	3,819,215
2013/14	1,168,407	1,168,407	1,168,407	1,168,407
2014/15	589,756	589,756	589,756	589,756
2015/16	950,827	1,042,534	1,042,534	1,052,178
2016/17	912,736	898,649	898,166	898,922
2017/18	3,812,905	3,431,325	3,407,130	3,457,386
2018/19	1,310,444	1,244,730	1,237,953	1,255,162
2019/20	1,857,232	1,142,187	1,062,508	1,253,325
2020/21	2,141,774	2,635,998	2,743,510	2,629,581
Total	\$54,511,135	\$53,920,640	\$53,917,018	\$54,071,769

(2) is from Exhibit GL-3.

(3) is from Exhibit GL-4.

(4) is from Exhibit GL-5.

(5) is based on (2) to (4) and actuarial judgment.



Bornhuetter - Ferguson Analysis

I. A-priori Loss Rate

Claim Period (1)	Preliminary Projected Ultimate Limited Losses (2)	Payroll (000) (3)	Limited Loss Rate per \$100 of Payroll (2)/(3)/10 (4)	Loss Rate Trend (2021/22 = 1.000) (5)	Trended Limited Loss Rate per \$100 of Payroll (4)X(5) (6)	Projected A-priori Loss Rate per \$100 of Payroll (7)/(5) (8)
2011/12	\$3,891,982	\$154,467	\$2.52	1.219	\$3.07	\$1.14
2012/13	3,819,215	158,387	2.41	1.195	2.88	1.17
2013/14	1,168,407	164,628	0.71	1.172	0.83	1.19
2014/15	589,756	165,752	0.36	1.149	0.41	1.21
2015/16	1,052,178	168,042	0.63	1.126	0.71	1.24
2016/17	898,922	164,127	0.55	1.104	0.60	1.26
2017/18	3,457,386	159,639	2.17	1.082	2.34	1.29
2018/19	1,255,162	168,399	0.75	1.061	0.79	1.31
2019/20	1,253,325	170,061	0.74	1.040	0.77	1.34
2020/21	2,629,581	176,612	1.49	1.020	1.52	1.37

(7) Projected 2021/22 a-priori loss rate per \$100 of Payroll \$1.39

II. Bornhuetter - Ferguson Analysis Based on Limited Paid Losses

Claim Period (1)	Limited Paid Losses 6/30/21 (2)	Percent Losses Paid (3)	Projected A-priori Loss Rate per \$100 of Payroll (4)	Payroll (000) (5)	B-F Unpaid Losses [100.0%-(3)] X(4)X(5)X10 (6)	B-F Ultimate Limited Paid Losses (2)+(6) (7)
2016/17	\$886,044	97.1%	\$1.26	\$164,127	\$60,531	\$946,575
2017/18	3,218,609	84.4%	1.29	159,639	320,072	3,538,681
2018/19	790,138	60.3%	1.31	168,399	877,286	1,667,424
2019/20	497,700	26.8%	1.34	170,061	1,666,057	2,163,757
2020/21	127,545	6.0%	1.37	176,612	2,267,344	2,394,889

III. Bornhuetter - Ferguson Analysis Based on Limited Reported Incurred Losses

Claim Period (1)	Limited Reported Incurred Losses 6/30/21 (2)	Percent Losses Reported (3)	Projected A-priori Loss Rate per \$100 of Payroll (4)	Payroll (000) (5)	B-F Unreported Losses [100.0%-(3)] X(4)X(5)X10 (6)	B-F Ultimate Limited Reported Losses (2)+(6) (7)
2016/17	\$897,752	99.9%	\$1.26	\$164,127	\$2,068	\$899,819
2017/18	3,393,958	98.9%	1.29	159,639	22,363	3,416,321
2018/19	1,172,548	94.2%	1.31	168,399	128,132	1,300,680
2019/20	896,626	78.5%	1.34	170,061	489,316	1,385,942
2020/21	689,760	26.2%	1.37	176,612	1,780,054	2,469,813

Section I, (2) is from Exhibit GL-6.

Section I, (3), Section II, (5) and Section III, (5) are from Exhibit GL-10.

Section I, (5) is based on a 2% trend.

Section I, (7) is based on Section I, (6) and actuarial judgment.

Sections II and III, (2) are from Exhibit GL-1.

Sections II and III, (3) are from Exhibit GL-2.

Sections II and III, (4) are from Section I, (8).



Frequency Times Severity Analysis

I. Projected Ultimate Claims

Claim Period (1)	Months of Development 6/30/21 (2)	Reported Claims 6/30/21 (3)	Percent Claims Reported (4)	Projected Ultimate Claims (3)/(4) (5)	Payroll (000) (6)	Frequency (per \$1M of Payroll) (5)/(6)X1,000 (7)
2011/12	120.0	71	100.0%	71	\$154,467	0.46
2012/13	108.0	67	100.0%	67	158,387	0.42
2013/14	96.0	95	100.0%	95	164,628	0.58
2014/15	84.0	60	100.0%	60	165,752	0.36
2015/16	72.0	72	100.0%	72	168,042	0.43
2016/17	60.0	50	100.0%	50	164,127	0.30
2017/18	48.0	52	100.0%	52	159,639	0.33
2018/19	36.0	54	100.0%	54	168,399	0.32
2019/20	24.0	71	97.6%	73	170,061	0.43
2020/21	12.0	58	69.7%	83	176,612	0.47

II. Frequency Times Severity

Claim Period (1)	Preliminary Projected Ultimate Limited Losses (2)	Projected Ultimate Claims (3)	Average Severity (2)/(3) (4)	Severity Trend (2021/22 = 1.000) (5)	Trended Average Claim Severity (4)X(5) (6)	De-Trended Projected 2021/22 Average Claim Severity (7)/(5) (8)	Frequency Times Severity (3)X(8) (9)
2011/12	\$3,891,982	71	\$54,817	1.638	\$89,802	\$25,252	\$1,792,878
2012/13	3,819,215	67	57,003	1.559	88,887	26,530	1,777,479
2013/14	1,168,407	95	12,299	1.484	18,254	27,872	2,647,834
2014/15	589,756	60	9,829	1.413	13,886	29,282	1,756,936
2015/16	1,052,178	72	14,614	1.345	19,651	30,764	2,215,004
2016/17	898,922	50	17,978	1.280	23,011	32,321	1,616,030
2017/18	3,457,386	52	66,488	1.218	81,002	33,956	1,765,713
2018/19	1,255,162	54	23,244	1.160	26,954	35,674	1,926,406
2019/20	1,253,325	73	17,169	1.104	18,950	37,479	2,735,989
2020/21	2,629,581	83	31,682	1.051	33,285	39,376	3,268,188
						(7) Projected 2021/22 average claim severity \$41,368	

Section I, (3) is from Exhibit GL-1.

Section I, (4) is from Exhibit GL-2.

Section I, (6) is from Exhibit GL-10.

Section II, (2) is from Exhibit GL-6.

Section II, (3) is from Section I, (5).

Section II, (5) is based on a 5.1% trend.

Section II, (7) is based on (6) and actuarial judgment.



CITY OF SCOTTSDALE, ARIZONA
GENERAL LIABILITY

Exhibit GL-9

Projected Ultimate Limited Losses to 2020/21

Claim Period (1)	Developed Limited Paid Losses (2)	Developed Limited Reported Incurred Losses (3)	Developed Limited Case Reserves (4)	B-F Ultimate Limited Paid Losses (5)	B-F Ultimate Limited Reported Losses (6)	Frequency Times Severity (7)	Projected Ultimate Limited Losses (8)
to 2001/02	\$19,813,025	\$19,813,025	\$19,813,025				\$19,813,025
2002/03	1,839,297	1,839,297	1,839,297				1,839,297
2003/04	1,763,244	1,763,244	1,763,244				1,763,244
2004/05	3,509,397	3,509,397	3,509,397				3,509,397
2005/06	695,199	695,199	695,199				695,199
2006/07	877,227	877,227	877,227				877,227
2007/08	851,020	851,020	851,020				851,020
2008/09	2,952,204	2,952,204	2,952,204				2,952,204
2009/10	905,310	905,310	905,310				905,310
2010/11	849,933	849,933	849,933				849,933
2011/12	3,891,982	3,891,982	3,891,982				3,891,982
2012/13	3,819,215	3,819,215	3,819,215				3,819,215
2013/14	1,168,407	1,168,407	1,168,407				1,168,407
2014/15	589,756	589,756	589,756				589,756
2015/16	950,827	1,042,534	1,042,534				1,052,178
2016/17	912,736	898,649	898,166	946,575	899,819	1,616,030	899,000
2017/18	3,812,905	3,431,325	3,407,130	3,538,681	3,416,321	1,765,713	3,457,000
2018/19	1,310,444	1,244,730	1,237,953	1,667,424	1,300,680	1,926,406	1,321,000
2019/20	1,857,232	1,142,187	1,062,508	2,163,757	1,385,942	2,735,989	1,447,000
2020/21	2,141,774	2,635,998	2,743,510	2,394,889	2,469,813	3,268,188	2,562,000

(2) is from Exhibit GL-3.

(3) is from Exhibit GL-4.

(4) is from Exhibit GL-5.

(5) and (6) are from Exhibit GL-7.

(7) is from Exhibit GL-8.

(8) is based on (2) to (7) and actuarial judgment.



CITY OF SCOTTSDALE, ARIZONA
GENERAL LIABILITY

Exhibit GL-10

Projected Ultimate Limited Losses for 2021/22 and Subsequent

Claim Period (1)	Projected Ultimate Limited Losses (2)	Payroll (000) (3)	Limited Loss Rate per \$100 of Payroll (2)/(3)/10 (4)	Loss Rate Trend (2021/22 = 1.000) (5)	Trended Limited Loss Rate per \$100 of Payroll (4)X(5) (6)
2011/12	\$3,891,982	\$154,467	\$2.52	1.219	\$3.07
2012/13	3,819,215	158,387	2.41	1.195	2.88
2013/14	1,168,407	164,628	0.71	1.172	0.83
2014/15	589,756	165,752	0.36	1.149	0.41
2015/16	1,052,178	168,042	0.63	1.126	0.71
2016/17	899,000	164,127	0.55	1.104	0.60
2017/18	3,457,000	159,639	2.17	1.082	2.34
2018/19	1,321,000	168,399	0.78	1.061	0.83
2019/20	1,447,000	170,061	0.85	1.040	0.89
2020/21	2,562,000	176,612	1.45	1.020	1.48
Total	\$20,207,537	\$1,650,113	\$1.22		\$1.40

Claim Period (1)	Projected Limited Loss Rate per \$100 of Payroll (7)	Projected Payroll (000) (8)	Projected Ultimate Limited Losses (7)X(8)X10 (9)	Present Value Factor (10)	Present Value of Projected Limited Loss Rate per \$100 of Payroll (7)X(10) (11)	Present Value of Projected Ultimate Limited Losses (8)X(11)X10 (12)
2021/22	\$1.40	\$180,144	\$2,530,000	0.97	\$1.37	\$2,462,000
2022/23	1.43	183,747	2,632,000	0.97	1.39	2,561,000
2023/24	1.46	187,422	2,739,000	0.97	1.42	2,665,000
2024/25	1.49	191,170	2,849,000	0.97	1.45	2,772,000
2025/26	1.52	194,994	2,964,000	0.97	1.48	2,884,000
2026/27	1.55	198,894	3,084,000	0.97	1.51	3,001,000

(2) is from Exhibit GL-9.

(3) was provided by the City.

(5) is based on a 2% trend.

(7) 2021/22 is based on (6) and actuarial judgment.
Other period(s) based on 2021/22 plus a 2% trend.

(8) to 2021/22 was provided by the City. Other claim periods are based on a 2% trend.

(10) is based on a 1% interest rate and the payout pattern in Exhibit GL-2.



CITY OF SCOTTSDALE, ARIZONA
GENERAL LIABILITY

Exhibit GL-11

Estimated Outstanding Losses as of June 30, 2021

Claim Period (1)	Limited Paid Losses 6/30/21 (2)	Limited Case Reserves 6/30/21 (3)	Limited Reported Incurred Losses 6/30/21 (4)	Projected Ultimate Limited Losses (5)	Estimated IBNR 6/30/21 (5)-(4) (6)	Estimated Outstanding Losses 6/30/21 (3)+(6) (7)	Present Value Factor (8)	Present Value of Estimated Outstanding Losses 6/30/21 (7)X(8) (9)
to 2001/02	\$19,813,025	\$0	\$19,813,025	\$19,813,025	\$0	\$0	1.00	\$0
2002/03	1,839,297	0	1,839,297	1,839,297	0	0	1.00	0
2003/04	1,763,244	0	1,763,244	1,763,244	0	0	1.00	0
2004/05	3,509,397	0	3,509,397	3,509,397	0	0	1.00	0
2005/06	695,199	0	695,199	695,199	0	0	1.00	0
2006/07	877,227	0	877,227	877,227	0	0	1.00	0
2007/08	851,020	0	851,020	851,020	0	0	1.00	0
2008/09	2,952,204	0	2,952,204	2,952,204	0	0	1.00	0
2009/10	905,310	0	905,310	905,310	0	0	1.00	0
2010/11	849,933	0	849,933	849,933	0	0	1.00	0
2011/12	3,891,982	0	3,891,982	3,891,982	0	0	1.00	0
2012/13	3,819,215	0	3,819,215	3,819,215	0	0	1.00	0
2013/14	1,168,407	0	1,168,407	1,168,407	0	0	1.00	0
2014/15	589,756	0	589,756	589,756	0	0	1.00	0
2015/16	946,097	96,437	1,042,534	1,052,178	9,644	106,081	1.00	105,555
2016/17	886,044	11,708	897,752	899,000	1,248	12,956	0.99	12,870
2017/18	3,218,609	175,349	3,393,958	3,457,000	63,042	238,391	0.99	236,693
2018/19	790,138	382,410	1,172,548	1,321,000	148,452	530,862	0.99	525,729
2019/20	497,700	398,925	896,626	1,447,000	550,374	949,299	0.99	937,116
2020/21	127,545	562,215	689,760	2,562,000	1,872,240	2,434,455	0.98	2,388,937
Total	\$49,991,349	\$1,627,044	\$51,618,393	\$54,263,394	\$2,645,000	\$4,272,044		\$4,206,900

(2), (3) and (4) are net of specific self-insured retention and aggregate retention.

(5) is from Exhibit GL-9.

(8) is based on a 1% interest rate and the payout pattern in Exhibit GL-2.



CITY OF SCOTTSDALE, ARIZONA
GENERAL LIABILITY

Exhibit GL-12

Projected Losses Paid July 1, 2021 to June 30, 2022

Claim Period (1)	Months of Development 6/30/21 (2)	Percent Losses Paid (3)	Months of Development 6/30/22 (4)	Percent Losses Paid (5)	Percent Outstanding Losses Paid 7/1/21 to 6/30/22 [(5)-(3)]/[100.0%-(3)] (6)	Estimated Outstanding Losses 6/30/21 (7)	Projected Losses Paid (6)X(7) (8)	Estimated Outstanding Losses 6/30/22 (7)-(8) (9)	Present Value Factor (10)	Present Value of Estimated Outstanding Losses 6/30/22 (9)X(10) (11)
to 2001/02	240.0	100.0%	252.0	100.0%	100.0%	\$0	\$0	\$0	1.00	\$0
2002/03	228.0	100.0%	240.0	100.0%	100.0%	0	0	0	1.00	0
2003/04	216.0	100.0%	228.0	100.0%	100.0%	0	0	0	1.00	0
2004/05	204.0	100.0%	216.0	100.0%	100.0%	0	0	0	1.00	0
2005/06	192.0	100.0%	204.0	100.0%	100.0%	0	0	0	1.00	0
2006/07	180.0	100.0%	192.0	100.0%	100.0%	0	0	0	1.00	0
2007/08	168.0	100.0%	180.0	100.0%	100.0%	0	0	0	1.00	0
2008/09	156.0	100.0%	168.0	100.0%	100.0%	0	0	0	1.00	0
2009/10	144.0	100.0%	156.0	100.0%	100.0%	0	0	0	1.00	0
2010/11	132.0	100.0%	144.0	100.0%	100.0%	0	0	0	1.00	0
2011/12	120.0	100.0%	132.0	100.0%	100.0%	0	0	0	1.00	0
2012/13	108.0	100.0%	120.0	100.0%	100.0%	0	0	0	1.00	0
2013/14	96.0	100.0%	108.0	100.0%	100.0%	0	0	0	1.00	0
2014/15	84.0	100.0%	96.0	100.0%	100.0%	0	0	0	1.00	0
2015/16	72.0	99.5%	84.0	100.0%	100.0%	106,081	106,081	0	1.00	0
2016/17	60.0	97.1%	72.0	99.5%	83.0%	12,956	10,752	2,204	1.00	2,193
2017/18	48.0	84.4%	60.0	97.1%	81.2%	238,391	193,663	44,728	0.99	44,431
2018/19	36.0	60.3%	48.0	84.4%	60.7%	530,862	322,467	208,395	0.99	206,911
2019/20	24.0	26.8%	36.0	60.3%	45.8%	949,299	434,402	514,897	0.99	509,918
2020/21	12.0	6.0%	24.0	26.8%	22.2%	2,434,455	539,540	1,894,915	0.99	1,870,595
2021/22	0.0	0.0%	12.0	6.0%	6.0%	2,530,000	150,664	2,379,336	0.98	2,334,849
Total						\$6,802,044	\$1,757,569	\$5,044,475		\$4,968,897

(3) and (5) are from Exhibit GL-2.

(7) to 2020/21 is from Exhibit GL-11. The amount for 2021/22 is from Exhibit GL-10.

(10) is based on a 1% interest rate and the payout pattern in Exhibit GL-2.



CITY OF SCOTTSDALE, ARIZONA
GENERAL LIABILITY

Exhibit GL-13

Projected Losses Paid July 1, 2022 to June 30, 2023

Claim Period (1)	Months of Development 6/30/22 (2)	Percent Losses Paid (3)	Months of Development 6/30/23 (4)	Percent Losses Paid (5)	Percent Outstanding Losses Paid 7/1/22 to 6/30/23 [(5)-(3)]/[100.0%-(3)] (6)	Estimated Outstanding Losses 6/30/22 (7)	Projected Losses Paid (6)X(7) (8)	Estimated Outstanding Losses 6/30/23 (7)-(8) (9)	Present Value Factor (10)	Present Value of Estimated Outstanding Losses 6/30/23 (9)X(10) (11)
to 2001/02	252.0	100.0%	264.0	100.0%	100.0%	\$0	\$0	\$0	1.00	\$0
2002/03	240.0	100.0%	252.0	100.0%	100.0%	0	0	0	1.00	0
2003/04	228.0	100.0%	240.0	100.0%	100.0%	0	0	0	1.00	0
2004/05	216.0	100.0%	228.0	100.0%	100.0%	0	0	0	1.00	0
2005/06	204.0	100.0%	216.0	100.0%	100.0%	0	0	0	1.00	0
2006/07	192.0	100.0%	204.0	100.0%	100.0%	0	0	0	1.00	0
2007/08	180.0	100.0%	192.0	100.0%	100.0%	0	0	0	1.00	0
2008/09	168.0	100.0%	180.0	100.0%	100.0%	0	0	0	1.00	0
2009/10	156.0	100.0%	168.0	100.0%	100.0%	0	0	0	1.00	0
2010/11	144.0	100.0%	156.0	100.0%	100.0%	0	0	0	1.00	0
2011/12	132.0	100.0%	144.0	100.0%	100.0%	0	0	0	1.00	0
2012/13	120.0	100.0%	132.0	100.0%	100.0%	0	0	0	1.00	0
2013/14	108.0	100.0%	120.0	100.0%	100.0%	0	0	0	1.00	0
2014/15	96.0	100.0%	108.0	100.0%	100.0%	0	0	0	1.00	0
2015/16	84.0	100.0%	96.0	100.0%	100.0%	0	0	0	1.00	0
2016/17	72.0	99.5%	84.0	100.0%	100.0%	2,204	2,204	0	1.00	0
2017/18	60.0	97.1%	72.0	99.5%	83.0%	44,728	37,119	7,609	1.00	7,571
2018/19	48.0	84.4%	60.0	97.1%	81.2%	208,395	169,295	39,100	0.99	38,840
2019/20	36.0	60.3%	48.0	84.4%	60.7%	514,897	312,769	202,128	0.99	200,688
2020/21	24.0	26.8%	36.0	60.3%	45.8%	1,894,915	867,118	1,027,797	0.99	1,017,858
2021/22	12.0	6.0%	24.0	26.8%	22.2%	2,379,336	527,324	1,852,012	0.99	1,828,243
2022/23	0.0	0.0%	12.0	6.0%	6.0%	2,632,000	156,738	2,475,262	0.98	2,428,981
Total						\$7,676,475	\$2,072,567	\$5,603,908		\$5,522,181

(3) and (5) are from Exhibit GL-2.

(7) to 2021/22 is from Exhibit GL-12, (9). The amount for 2022/23 is from Exhibit GL-10.

(10) is based on a 1% interest rate and the payout pattern in Exhibit GL-2.



CITY OF SCOTTSDALE, ARIZONA
GENERAL LIABILITY

Exhibit GL-14

Projected Losses Paid July 1, 2023 to June 30, 2024

Claim Period (1)	Months of Development 6/30/23 (2)	Percent Losses Paid (3)	Months of Development 6/30/24 (4)	Percent Losses Paid (5)	Percent Outstanding Losses Paid 7/1/23 to 6/30/24 [(5)-(3)]/ [100.0%-(3)] (6)	Estimated Outstanding Losses 6/30/23 (7)	Projected Losses Paid (6)X(7) (8)	Estimated Outstanding Losses 6/30/24 (7)-(8) (9)	Present Value Factor (10)	Present Value of Estimated Outstanding Losses 6/30/24 (9)X(10) (11)
to 2001/02	264.0	100.0%	276.0	100.0%	100.0%	\$0	\$0	\$0	1.00	\$0
2002/03	252.0	100.0%	264.0	100.0%	100.0%	0	0	0	1.00	0
2003/04	240.0	100.0%	252.0	100.0%	100.0%	0	0	0	1.00	0
2004/05	228.0	100.0%	240.0	100.0%	100.0%	0	0	0	1.00	0
2005/06	216.0	100.0%	228.0	100.0%	100.0%	0	0	0	1.00	0
2006/07	204.0	100.0%	216.0	100.0%	100.0%	0	0	0	1.00	0
2007/08	192.0	100.0%	204.0	100.0%	100.0%	0	0	0	1.00	0
2008/09	180.0	100.0%	192.0	100.0%	100.0%	0	0	0	1.00	0
2009/10	168.0	100.0%	180.0	100.0%	100.0%	0	0	0	1.00	0
2010/11	156.0	100.0%	168.0	100.0%	100.0%	0	0	0	1.00	0
2011/12	144.0	100.0%	156.0	100.0%	100.0%	0	0	0	1.00	0
2012/13	132.0	100.0%	144.0	100.0%	100.0%	0	0	0	1.00	0
2013/14	120.0	100.0%	132.0	100.0%	100.0%	0	0	0	1.00	0
2014/15	108.0	100.0%	120.0	100.0%	100.0%	0	0	0	1.00	0
2015/16	96.0	100.0%	108.0	100.0%	100.0%	0	0	0	1.00	0
2016/17	84.0	100.0%	96.0	100.0%	100.0%	0	0	0	1.00	0
2017/18	72.0	99.5%	84.0	100.0%	100.0%	7,609	7,609	0	1.00	0
2018/19	60.0	97.1%	72.0	99.5%	83.0%	39,100	32,448	6,652	1.00	6,619
2019/20	48.0	84.4%	60.0	97.1%	81.2%	202,128	164,204	37,924	0.99	37,672
2020/21	36.0	60.3%	48.0	84.4%	60.7%	1,027,797	624,325	403,472	0.99	400,598
2021/22	24.0	26.8%	36.0	60.3%	45.8%	1,852,012	847,486	1,004,526	0.99	994,813
2022/23	12.0	6.0%	24.0	26.8%	22.2%	2,475,262	548,584	1,926,678	0.99	1,901,951
2023/24	0.0	0.0%	12.0	6.0%	6.0%	2,739,000	163,110	2,575,890	0.98	2,527,728
Total						\$8,342,908	\$2,387,766	\$5,955,142		\$5,869,381

(3) and (5) are from Exhibit GL-2.

(7) to 2022/23 is from Exhibit GL-13, (9). The amount for 2023/24 is from Exhibit GL-10.

(10) is based on a 1% interest rate and the payout pattern in Exhibit GL-2.



CITY OF SCOTTSDALE, ARIZONA
GENERAL LIABILITY

Exhibit GL-15

Projected Losses Paid July 1, 2024 to June 30, 2025

Claim Period (1)	Months of Development 6/30/24 (2)	Percent Losses Paid (3)	Months of Development 6/30/25 (4)	Percent Losses Paid (5)	Percent Outstanding Losses Paid 7/1/24 to 6/30/25 [(5)-(3)]/[100.0%-(3)] (6)	Estimated Outstanding Losses 6/30/24 (7)	Projected Losses Paid (6)X(7) (8)	Estimated Outstanding Losses 6/30/25 (7)-(8) (9)	Present Value Factor (10)	Present Value of Estimated Outstanding Losses 6/30/25 (9)X(10) (11)
to 2001/02	276.0	100.0%	288.0	100.0%	100.0%	\$0	\$0	\$0	1.00	\$0
2002/03	264.0	100.0%	276.0	100.0%	100.0%	0	0	0	1.00	0
2003/04	252.0	100.0%	264.0	100.0%	100.0%	0	0	0	1.00	0
2004/05	240.0	100.0%	252.0	100.0%	100.0%	0	0	0	1.00	0
2005/06	228.0	100.0%	240.0	100.0%	100.0%	0	0	0	1.00	0
2006/07	216.0	100.0%	228.0	100.0%	100.0%	0	0	0	1.00	0
2007/08	204.0	100.0%	216.0	100.0%	100.0%	0	0	0	1.00	0
2008/09	192.0	100.0%	204.0	100.0%	100.0%	0	0	0	1.00	0
2009/10	180.0	100.0%	192.0	100.0%	100.0%	0	0	0	1.00	0
2010/11	168.0	100.0%	180.0	100.0%	100.0%	0	0	0	1.00	0
2011/12	156.0	100.0%	168.0	100.0%	100.0%	0	0	0	1.00	0
2012/13	144.0	100.0%	156.0	100.0%	100.0%	0	0	0	1.00	0
2013/14	132.0	100.0%	144.0	100.0%	100.0%	0	0	0	1.00	0
2014/15	120.0	100.0%	132.0	100.0%	100.0%	0	0	0	1.00	0
2015/16	108.0	100.0%	120.0	100.0%	100.0%	0	0	0	1.00	0
2016/17	96.0	100.0%	108.0	100.0%	100.0%	0	0	0	1.00	0
2017/18	84.0	100.0%	96.0	100.0%	100.0%	0	0	0	1.00	0
2018/19	72.0	99.5%	84.0	100.0%	100.0%	6,652	6,652	0	1.00	0
2019/20	60.0	97.1%	72.0	99.5%	83.0%	37,924	31,472	6,452	1.00	6,420
2020/21	48.0	84.4%	60.0	97.1%	81.2%	403,472	327,771	75,701	0.99	75,198
2021/22	36.0	60.3%	48.0	84.4%	60.7%	1,004,526	610,189	394,337	0.99	391,528
2022/23	24.0	26.8%	36.0	60.3%	45.8%	1,926,678	881,653	1,045,025	0.99	1,034,920
2023/24	12.0	6.0%	24.0	26.8%	22.2%	2,575,890	570,886	2,005,004	0.99	1,979,271
2024/25	0.0	0.0%	12.0	6.0%	6.0%	2,849,000	169,661	2,679,339	0.98	2,629,242
Total						\$8,804,142	\$2,598,284	\$6,205,858		\$6,116,579

(3) and (5) are from Exhibit GL-2.

(7) to 2023/24 is from Exhibit GL-14, (9). The amount for 2024/25 is from Exhibit GL-10.

(10) is based on a 1% interest rate and the payout pattern in Exhibit GL-2.



CITY OF SCOTTSDALE, ARIZONA
GENERAL LIABILITY

Exhibit GL-16

Projected Losses Paid July 1, 2025 to June 30, 2026

Claim Period (1)	Months of Development 6/30/25 (2)	Percent Losses Paid (3)	Months of Development 6/30/26 (4)	Percent Losses Paid (5)	Percent Outstanding Losses Paid 7/1/25 to 6/30/26 [(5)-(3)]/[100.0%-(3)] (6)	Estimated Outstanding Losses 6/30/25 (7)	Projected Losses Paid (6)X(7) (8)	Estimated Outstanding Losses 6/30/26 (7)-(8) (9)	Present Value Factor (10)	Present Value of Estimated Outstanding Losses 6/30/26 (9)X(10) (11)
to 2001/02	288.0	100.0%	300.0	100.0%	100.0%	\$0	\$0	\$0	1.00	\$0
2002/03	276.0	100.0%	288.0	100.0%	100.0%	0	0	0	1.00	0
2003/04	264.0	100.0%	276.0	100.0%	100.0%	0	0	0	1.00	0
2004/05	252.0	100.0%	264.0	100.0%	100.0%	0	0	0	1.00	0
2005/06	240.0	100.0%	252.0	100.0%	100.0%	0	0	0	1.00	0
2006/07	228.0	100.0%	240.0	100.0%	100.0%	0	0	0	1.00	0
2007/08	216.0	100.0%	228.0	100.0%	100.0%	0	0	0	1.00	0
2008/09	204.0	100.0%	216.0	100.0%	100.0%	0	0	0	1.00	0
2009/10	192.0	100.0%	204.0	100.0%	100.0%	0	0	0	1.00	0
2010/11	180.0	100.0%	192.0	100.0%	100.0%	0	0	0	1.00	0
2011/12	168.0	100.0%	180.0	100.0%	100.0%	0	0	0	1.00	0
2012/13	156.0	100.0%	168.0	100.0%	100.0%	0	0	0	1.00	0
2013/14	144.0	100.0%	156.0	100.0%	100.0%	0	0	0	1.00	0
2014/15	132.0	100.0%	144.0	100.0%	100.0%	0	0	0	1.00	0
2015/16	120.0	100.0%	132.0	100.0%	100.0%	0	0	0	1.00	0
2016/17	108.0	100.0%	120.0	100.0%	100.0%	0	0	0	1.00	0
2017/18	96.0	100.0%	108.0	100.0%	100.0%	0	0	0	1.00	0
2018/19	84.0	100.0%	96.0	100.0%	100.0%	0	0	0	1.00	0
2019/20	72.0	99.5%	84.0	100.0%	100.0%	6,452	6,452	0	1.00	0
2020/21	60.0	97.1%	72.0	99.5%	83.0%	75,701	62,822	12,879	1.00	12,815
2021/22	48.0	84.4%	60.0	97.1%	81.2%	394,337	320,350	73,987	0.99	73,496
2022/23	36.0	60.3%	48.0	84.4%	60.7%	1,045,025	634,790	410,235	0.99	407,313
2023/24	24.0	26.8%	36.0	60.3%	45.8%	2,005,004	917,495	1,087,509	0.99	1,076,993
2024/25	12.0	6.0%	24.0	26.8%	22.2%	2,679,339	593,813	2,085,526	0.99	2,058,760
2026/27	0.0	0.0%	12.0	6.0%	6.0%	3,084,000	183,655	2,900,345	0.98	2,846,116
Total						\$9,289,858	\$2,719,377	\$6,570,481		\$6,475,493

(3) and (5) are from Exhibit GL-2.

(7) to 2024/25 is from Exhibit GL-15, (9). The amount for 2026/27 is from Exhibit GL-10.

(10) is based on a 1% interest rate and the payout pattern in Exhibit GL-2.



CITY OF SCOTTSDALE, ARIZONA
GENERAL LIABILITY

Exhibit GL-17

Projected Losses Paid July 1, 2026 to June 30, 2027

Claim Period (1)	Months of Development 6/30/26 (2)	Percent Losses Paid (3)	Months of Development 6/30/26 (4)	Percent Losses Paid (5)	Percent Outstanding Losses Paid 7/1/26 to 6/30/27 [(5)-(3)]/[100.0%-(3)] (6)	Estimated Outstanding Losses 6/30/26 (7)	Projected Losses Paid (6)X(7) (8)	Estimated Outstanding Losses 6/30/27 (7)-(8) (9)	Present Value Factor (10)	Present Value of Estimated Outstanding Losses 6/30/27 (9)X(10) (11)
to 2001/02	300.0	100.0%	312.0	100.0%	100.0%	\$0	\$0	\$0	1.00	\$0
2002/03	288.0	100.0%	300.0	100.0%	100.0%	0	0	0	1.00	0
2003/04	276.0	100.0%	288.0	100.0%	100.0%	0	0	0	1.00	0
2004/05	264.0	100.0%	276.0	100.0%	100.0%	0	0	0	1.00	0
2005/06	252.0	100.0%	264.0	100.0%	100.0%	0	0	0	1.00	0
2006/07	240.0	100.0%	252.0	100.0%	100.0%	0	0	0	1.00	0
2007/08	228.0	100.0%	240.0	100.0%	100.0%	0	0	0	1.00	0
2008/09	216.0	100.0%	228.0	100.0%	100.0%	0	0	0	1.00	0
2009/10	204.0	100.0%	216.0	100.0%	100.0%	0	0	0	1.00	0
2010/11	192.0	100.0%	204.0	100.0%	100.0%	0	0	0	1.00	0
2011/12	180.0	100.0%	192.0	100.0%	100.0%	0	0	0	1.00	0
2012/13	168.0	100.0%	180.0	100.0%	100.0%	0	0	0	1.00	0
2013/14	156.0	100.0%	168.0	100.0%	100.0%	0	0	0	1.00	0
2014/15	144.0	100.0%	156.0	100.0%	100.0%	0	0	0	1.00	0
2015/16	132.0	100.0%	144.0	100.0%	100.0%	0	0	0	1.00	0
2016/17	120.0	100.0%	132.0	100.0%	100.0%	0	0	0	1.00	0
2017/18	108.0	100.0%	120.0	100.0%	100.0%	0	0	0	1.00	0
2018/19	96.0	100.0%	108.0	100.0%	100.0%	0	0	0	1.00	0
2019/20	84.0	100.0%	96.0	100.0%	100.0%	0	0	0	1.00	0
2020/21	72.0	99.5%	84.0	100.0%	100.0%	12,879	12,879	0	1.00	0
2021/22	60.0	97.1%	72.0	99.5%	83.0%	73,987	61,400	12,587	1.00	12,525
2022/23	48.0	84.4%	60.0	97.1%	81.2%	410,235	333,265	76,970	0.99	76,459
2023/24	36.0	60.3%	48.0	84.4%	60.7%	1,087,509	660,596	426,913	0.99	423,872
2024/25	24.0	26.8%	36.0	60.3%	45.8%	2,085,526	954,342	1,131,184	0.99	1,120,246
2026/27	12.0	6.0%	24.0	26.8%	22.2%	2,900,345	642,794	2,257,551	0.99	2,228,577
2026/27	0.0	0.0%	12.0	6.0%	6.0%	3,084,000	183,655	2,900,345	0.98	2,846,116
Total						\$9,654,481	\$2,848,931	\$6,805,550		\$6,707,795

(3) and (5) are from Exhibit GL-2.

(7) to 2024/25 is from Exhibit GL-16, (9). The amount for 2025/26 is from Exhibit GL-10.

(10) is based on a 1% interest rate and the payout pattern in Exhibit GL-2.



CITY OF SCOTTSDALE, ARIZONA
GENERAL LIABILITY

Exhibit GL-18

Projected Ultimate Claims for 2021/22 and Subsequent

Claim Period (1)	Projected Ultimate Claims (2)	Payroll (000) (3)	Projected Ultimate Claims per \$1M of Payroll (2)/(3)X1,000 (4)
2011/12	71	\$154,467	0.46
2012/13	67	158,387	0.42
2013/14	95	164,628	0.58
2014/15	60	165,752	0.36
2015/16	72	168,042	0.43
2016/17	50	164,127	0.30
2017/18	52	159,639	0.33
2018/19	54	168,399	0.32
2019/20	73	170,061	0.43
2020/21	83	176,612	0.47
Total	677	\$1,650,113	0.41

Claim Period (1)	Projected Ultimate Claims per \$1M of Payroll (5)	Projected Payroll (000) (6)	Projected Ultimate Claims (5)X(6)/1,000 (7)
2021/22	0.41	\$180,144	74
2022/23	0.41	183,747	75
2023/24	0.41	187,422	77
2024/25	0.41	191,170	78
2025/26	0.41	194,994	80
2026/27	0.41	198,894	82

(2) and (7) exclude claims with \$0 incurred.

(2) is from Exhibit GL-8.

(3) and (6) are from Exhibit GL-10.

(5) is based on (4) and actuarial judgment.



CITY OF SCOTTSDALE, ARIZONA
GENERAL LIABILITY

Exhibit GL-19

List of Large Claims
Reported Incurred Losses Greater Than \$100,000

Claim Number (1)	Date of Loss (2)	Claim Period (3)	Specific Self-Insured Retention (4)	Unlimited Paid Losses 6/30/21 (5)	Unlimited Case Reserves 6/30/21 (6)	Unlimited Reported Incurred Losses 6/30/21 (7)
GC8306GL023	06/11/83	to 2001/02	\$100,000	\$221,938	\$0	\$221,938
GC8308GL040	08/02/83	to 2001/02	\$100,000	179,481	\$0	179,481
GC8406GL031	06/18/84	to 2001/02	\$100,000	107,072	\$0	107,072
GC8602PI002	02/14/86	to 2001/02	\$250,000	356,613	\$0	356,613
GC8603PI009	03/19/86	to 2001/02	\$250,000	540,365	\$0	540,365
GC8606PI011	06/06/86	to 2001/02	\$250,000	133,848	\$0	133,848
GC888909GL014	09/25/88	to 2001/02	\$1,000,000	150,218	\$0	150,218
GC888908GL024	12/19/88	to 2001/02	\$1,000,000	250,401	\$0	250,401
GC899008GL009	08/03/89	to 2001/02	\$1,000,000	226,516	\$0	226,516
GC899004GL105	04/28/90	to 2001/02	\$1,000,000	1,092,186	\$0	1,092,186
GC909101GL133	01/05/91	to 2001/02	\$1,000,000	138,242	\$0	138,242
GC909101GL131	01/24/91	to 2001/02	\$1,000,000	193,909	\$0	193,909
GC909106GL123	06/06/91	to 2001/02	\$1,000,000	124,895	\$0	124,895
GC919208GL017	08/03/91	to 2001/02	\$1,000,000	998,725	\$0	998,725
GC929312-EL-001	12/08/92	to 2001/02	\$1,000,000	175,858	\$0	175,858
GC929301GL119	01/03/93	to 2001/02	\$1,000,000	145,422	\$0	145,422
GC929304GL158	04/13/93	to 2001/02	\$1,000,000	181,311	\$0	181,311
GC949501-PI-001	01/17/94	to 2001/02	\$1,000,000	261,148	\$0	261,148
GC939402-GL-145	02/08/94	to 2001/02	\$1,000,000	267,498	\$0	267,498
GC939402GL118	02/20/94	to 2001/02	\$1,000,000	619,611	\$0	619,611
GC939403-GL-148	03/10/94	to 2001/02	\$1,000,000	335,781	\$0	335,781
GC949507PI001	07/19/94	to 2001/02	\$1,000,000	539,430	\$0	539,430
GC949507-GL-083	07/22/94	to 2001/02	\$1,000,000	200,340	\$0	200,340
GC949511-PI-007	11/18/94	to 2001/02	\$1,000,000	161,538	\$0	161,538
GC949503-GL-169	03/16/95	to 2001/02	\$1,000,000	438,138	\$0	438,138
GC949506-PI-015	06/05/95	to 2001/02	\$1,000,000	339,281	\$0	339,281
GC959607-PI-003	07/01/95	to 2001/02	\$1,000,000	152,546	\$0	152,546
GC969712-GL-174	12/19/96	to 2001/02	\$1,000,000	137,018	\$0	137,018
GC979802-GL-208	02/18/98	to 2001/02	\$1,000,000	499,640	\$0	499,640
979806-PI-021	06/11/98	to 2001/02	\$1,000,000	108,024	\$0	108,024
990007-GL-056	07/27/99	to 2001/02	\$1,000,000	164,598	\$0	164,598
990008-PI-015	08/26/99	to 2001/02	\$1,000,000	106,623	\$0	106,623
990009-GL-096	09/12/99	to 2001/02	\$1,000,000	183,641	\$0	183,641
990010-PI-010	10/12/99	to 2001/02	\$1,000,000	601,075	\$0	601,075
000107-PI-003	07/06/00	to 2001/02	\$1,000,000	206,698	\$0	206,698
000104-PI-011	04/04/01	to 2001/02	\$1,000,000	278,984	\$0	278,984
010211-PI-023	11/21/01	to 2001/02	\$1,000,000	126,370	\$0	126,370
010201-PI-010	01/20/02	to 2001/02	\$1,000,000	113,214	\$0	113,214
010202-PI-017	02/20/02	to 2001/02	\$1,000,000	278,742	\$0	278,742
010203-PI-020	03/17/02	to 2001/02	\$1,000,000	300,855	\$0	300,855
010204-GL-156	04/12/02	to 2001/02	\$1,000,000	220,823	\$0	220,823
020308-PI-008	08/01/02	2002/03	\$2,000,000	772,049	\$0	772,049
020301-PI-014	01/21/03	2002/03	\$2,000,000	240,561	\$0	240,561
020303-GL-180	03/20/03	2002/03	\$2,000,000	467,227	\$0	467,227
030410-GL-119	10/10/03	2003/04	\$2,000,000	1,046,716	\$0	1,046,716
030410-GL-080	10/20/03	2003/04	\$2,000,000	121,071	\$0	121,071
030403-PI-006	03/11/04	2003/04	\$2,000,000	126,273	\$0	126,273
040512-GL-049	12/26/04	2004/05	\$2,000,000	111,440	\$0	111,440
040503-PI-012	03/10/05	2004/05	\$2,000,000	1,623,176	\$0	1,623,176
040504-PI-013	04/07/05	2004/05	\$2,000,000	100,044	\$0	100,044
040504-PI-014	04/07/05	2004/05	\$2,000,000	400,000	\$0	400,000
040504-PI-015	04/07/05	2004/05	\$2,000,000	1,005,889	\$0	1,005,889
050612-PI-009	12/10/05	2005/06	\$2,000,000	130,544	\$0	130,544
060708-GL-105	08/30/06	2006/07	\$2,000,000	162,348	\$0	162,348
060702-GL-177	02/02/07	2006/07	\$2,000,000	445,727	\$0	445,727



CITY OF SCOTTSDALE, ARIZONA
GENERAL LIABILITY

Exhibit GL-19

List of Large Claims
Reported Incurred Losses Greater Than \$100,000

Claim Number (1)	Date of Loss (2)	Claim Period (3)	Specific Self-Insured Retention (4)	Unlimited Paid Losses 6/30/21 (5)	Unlimited Case Reserves 6/30/21 (6)	Unlimited Reported Incurred Losses 6/30/21 (7)
070806-GL-157	06/15/08	2007/08	\$2,000,000	361,771	\$0	361,771
080911-GL-089	11/07/08	2008/09	\$2,000,000	2,187,323	\$0	2,187,323
080903-GL-148	03/03/09	2008/09	\$2,000,000	360,772	\$0	360,772
080904-GL-151	04/20/09	2008/09	\$2,000,000	205,811	\$0	205,811
091010-GL-071	10/11/09	2009/10	\$2,000,000	660,718	\$0	660,718
101107-GL-047	07/02/10	2010/11	\$2,000,000	144,082	\$0	144,082
101108-GL-063	08/01/10	2010/11	\$2,000,000	351,404	\$0	351,404
111210-GL-047	10/02/11	2011/12	\$2,000,000	171,792	\$0	171,792
111211-GL-105	11/30/11	2011/12	\$2,000,000	298,222	\$0	298,222
111201-GL-053	01/28/12	2011/12	\$2,000,000	680,988	\$0	680,988
111202-GL-068	02/14/12	2011/12	\$2,000,000	2,000,228	\$0	2,000,228
111203-GL-114	03/20/12	2011/12	\$2,000,000	243,673	\$0	243,673
111204-GL-097	04/18/12	2011/12	\$2,000,000	116,590	\$0	116,590
111205-GL-103	05/15/12	2011/12	\$2,000,000	120,734	\$0	120,734
121311-GL-080	11/22/12	2012/13	\$2,000,000	141,650	\$0	141,650
121301-GL-098	01/04/13	2012/13	\$2,000,000	1,581,375	\$0	1,581,375
121301-GL-099	01/04/13	2012/13	\$2,000,000	111,569	\$0	111,569
121301-GL-101	01/24/13	2012/13	\$2,000,000	201,689	\$0	201,689
131408-GL-007	02/17/13	2012/13	\$2,000,000	486,891	\$0	486,891
121303-GL-117	03/10/13	2012/13	\$2,000,000	818,480	\$0	818,480
121303-GL-113	03/31/13	2012/13	\$2,000,000	111,632	\$0	111,632
121306-GL-126	06/16/13	2012/13	\$2,000,000	208,834	\$0	208,834
131401-GL-155	01/16/14	2013/14	\$2,000,000	349,718	\$0	349,718
131405-GL-172	05/17/14	2013/14	\$2,000,000	410,293	\$0	410,293
141503-GL-094	03/28/15	2014/15	\$2,000,000	181,996	\$0	181,996
151608-GL-062	08/21/15	2015/16	\$2,000,000	112,649	\$0	112,649
151604-GL-128	04/12/16	2015/16	\$2,000,000	205,979	\$0	205,979
151605-GL-132	05/23/16	2015/16	\$2,000,000	306,708	\$96,437	403,144
161707-GL-012	07/27/16	2016/17	\$2,000,000	108,244	\$0	108,244
161701-GL-087	01/08/17	2016/17	\$2,000,000	262,375	\$0	262,375
161702-GL-055	02/07/17	2016/17	\$2,000,000	247,936	\$2,964	250,900
171807-GL-032	07/31/17	2017/18	\$2,000,000	281,871	\$0	281,871
171808-GL-030	08/01/17	2017/18	\$2,000,000	152,404	\$0	152,404
171808-GL-047	08/05/17	2017/18	\$2,000,000	140,602	\$0	140,602
171809-GL-049	09/14/17	2017/18	\$2,000,000	154,970	\$78,220	233,190
171811-GL-086	11/21/17	2017/18	\$2,000,000	136,741	\$0	136,741
171802-GL-050	02/03/18	2017/18	\$2,000,000	2,033,361	\$0	2,033,361
181903-GL-113	03/26/19	2018/19	\$2,000,000	128,446	\$92,352	220,798
Amounts 181904-GL-107	04/08/19	2018/19	\$2,000,000	54594.68	\$50,905	105500
181905-GL-114	05/05/19	2018/19	\$2,000,000	126598.8	\$0	126598.8
(1) through 181905-GL-120	05/09/19	2018/19	\$2,000,000	70278	\$44,722	115000



CITY OF SCOTTSDALE, ARIZONA
GENERAL LIABILITY

Exhibit GL-20

Size of Loss Distribution

I. Reported Claim Count

Claim Size (1)	Prior (2)	2016/17 (3)	2017/18 (4)	2018/19 (5)	2019/20 (6)	2020/21 (7)	Total (2)...(7) (8)	Non-Zero Claim Cumulative Total (9)	Non-Zero Claim Cumulative % of Total (10)
0	0	0	0	0	0	0	0		
0.01 - 5,000	2,498	32	36	37	57	46	2,706	2,706	80.9%
5,000 - 10,000	154	3	2	1	4	6	170	2,876	86.0%
10,000 - 25,000	171	11	4	5	4	3	198	3,074	91.9%
25,000 - 50,000	86	1	0	1	2	0	90	3,164	94.6%
50,000 - 100,000	68	0	4	6	0	1	79	3,243	97.0%
100,000 - 250,000	45	1	4	4	4	1	59	3,302	98.7%
250,000 - 500,000	22	2	1	0	0	1	26	3,328	99.5%
500,000 - 750,000	6	0	0	0	0	0	6	3,334	99.7%
750,000 - 1,000,000	3	0	0	0	0	0	3	3,337	99.8%
Over 1,000,000	7	0	1	0	0	0	8	3,345	100.0%
Total	3,060	50	52	54	71	58	3,345	3,345	

II. Total Reported Incurred Losses

Claim Size (1)	Prior (2)	2016/17 (3)	2017/18 (4)	2018/19 (5)	2019/20 (6)	2020/21 (7)	Total (2)...(7) (8)	Non-Zero Claim Cumulative Total (9)	Non-Zero Claim Cumulative % of Total (10)
0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
0.01 - 5,000	2,346,555	37,299	26,111	31,631	67,012	71,275	2,579,882	2,579,882	4.9%
5,000 - 10,000	1,095,631	18,249	13,951	5,851	29,887	46,101	1,209,670	3,789,552	7.1%
10,000 - 25,000	2,893,714	180,990	77,049	81,376	81,304	39,884	3,354,317	7,143,869	13.5%
25,000 - 50,000	3,073,963	46,803	0	45,807	76,302	0	3,242,875	10,386,745	19.6%
50,000 - 100,000	4,738,210	0	332,039	439,986	0	65,000	5,575,235	15,961,980	30.1%
100,000 - 250,000	7,131,105	108,244	662,937	567,897	642,120	167,500	9,279,803	25,241,783	47.6%
250,000 - 500,000	7,942,250	513,275	281,871	0	0	300,000	9,037,396	34,279,179	64.6%
500,000 - 750,000	3,642,186	0	0	0	0	0	3,642,186	37,921,365	71.4%
750,000 - 1,000,000	2,589,254	0	0	0	0	0	2,589,254	40,510,619	76.3%
Over 1,000,000	10,536,894	0	2,033,361	0	0	0	12,570,255	53,080,874	100.0%
Total	\$45,989,763	\$904,859	\$3,427,319	\$1,172,548	\$896,626	\$689,760	\$53,080,874	\$53,080,874	

Amounts are gross of excess insurance and other recoveries.

Data was provided by the City.

Scottsdale_02GL_063021.xlsx



CITY OF SCOTTSDALE, ARIZONA
AUTOMOBILE LIABILITY

Data Summary as of June 30, 2021
Losses Limited to Self-Insured Retention

Claim Period (1)	Specific Self-Insured Retention (2)	Aggregate Retention (3)	Months of Development 6/30/21 (4)	Vehicle Count (5)	Reported Claims 6/30/21 (6)	Open Claims 6/30/21 (7)	Limited Paid Losses 6/30/21 (8)	Limited Case Reserves 6/30/21 (9)	Limited Reported Incurred Losses 6/30/21 (10)
to 2001/02	See Note	None	240.0	Not Provided	524	0	\$4,307,523	\$0	\$4,307,523
2002/03	2,000,000	None	228.0	785	46	0	284,671	0	284,671
2003/04	2,000,000	None	216.0	781	39	0	262,455	0	262,455
2004/05	2,000,000	None	204.0	805	33	0	553,323	0	553,323
2005/06	2,000,000	None	192.0	893	54	0	344,084	0	344,084
2006/07	2,000,000	None	180.0	1,251	33	0	1,168,878	0	1,168,878
2007/08	2,000,000	None	168.0	1,336	41	0	121,116	0	121,116
2008/09	2,000,000	None	156.0	1,206	25	0	214,485	0	214,485
2009/10	2,000,000	None	144.0	1,188	45	0	156,646	0	156,646
2010/11	2,000,000	None	132.0	1,180	39	0	984,109	0	984,109
2011/12	2,000,000	None	120.0	929	31	0	143,081	0	143,081
2012/13	2,000,000	None	108.0	934	23	1	66,268	3,571	69,840
2013/14	2,000,000	None	96.0	933	30	2	262,256	80,966	343,222
2014/15	2,000,000	None	84.0	956	27	0	173,147	0	173,147
2015/16	2,000,000	None	72.0	926	45	0	250,269	0	250,269
2016/17	2,000,000	None	60.0	962	42	0	120,929	0	120,929
2017/18	2,000,000	None	48.0	1,067	31	0	97,343	0	97,343
2018/19	2,000,000	None	36.0	957	41	2	341,905	156,247	498,151
2019/20	2,000,000	None	24.0	950	42	4	192,995	256,042	449,037
2020/21	2,000,000	None	12.0	960	31	5	94,012	108,364	202,376
Total					1,222	14	\$10,139,496	\$605,190	\$10,744,686

* The specific self-insured retention changes are as follows:

Effective Date	Retention
07/01/60	\$250,000
07/01/80	100,000
07/01/85	250,000
07/01/87	1,000,000
07/01/02	2,000,000

(6) and (7) exclude claims with \$0 incurred.

(8), (9) and (10) are net of the specific self-insured retention and other recoveries.

Data was provided by the City.



CITY OF SCOTTSDALE, ARIZONA
AUTOMOBILE LIABILITY

Exhibit AL-1 (page 2)

Data Summary as of June 30, 2021
Net Unlimited Losses

Claim Period (1)	Specific Self-Insured Retention (2)	Aggregate Retention (3)	Months of Development 6/30/21 (4)	Vehicle Count (5)	Reported Claims 6/30/21 (6)	Open Claims 6/30/21 (7)	Net Unlimited Paid Losses 6/30/21 (8)	Net Unlimited Case Reserves 6/30/21 (9)	Net Unlimited Reported Incurred Losses 6/30/21 (10)
to 2001/02	Unlimited	None	240.0	Not Provided	524	0	\$4,307,523	\$0	\$4,307,523
2002/03	Unlimited	None	228.0	785	46	0	284,671	0	284,671
2003/04	Unlimited	None	216.0	781	39	0	262,455	0	262,455
2004/05	Unlimited	None	204.0	805	33	0	553,323	0	553,323
2005/06	Unlimited	None	192.0	893	54	0	344,084	0	344,084
2006/07	Unlimited	None	180.0	1,251	33	0	1,168,878	0	1,168,878
2007/08	Unlimited	None	168.0	1,336	41	0	121,116	0	121,116
2008/09	Unlimited	None	156.0	1,206	25	0	214,485	0	214,485
2009/10	Unlimited	None	144.0	1,188	45	0	156,646	0	156,646
2010/11	Unlimited	None	132.0	1,180	39	0	984,109	0	984,109
2011/12	Unlimited	None	120.0	929	31	0	143,081	0	143,081
2012/13	Unlimited	None	108.0	934	23	1	66,268	3,571	69,840
2013/14	Unlimited	None	96.0	933	30	2	262,256	80,966	343,222
2014/15	Unlimited	None	84.0	956	27	0	173,147	0	173,147
2015/16	Unlimited	None	72.0	926	45	0	250,269	0	250,269
2016/17	Unlimited	None	60.0	962	42	0	120,929	0	120,929
2017/18	Unlimited	None	48.0	1,067	31	0	97,343	0	97,343
2018/19	Unlimited	None	36.0	957	41	2	341,905	156,247	498,151
2019/20	Unlimited	None	24.0	950	42	4	192,995	256,042	449,037
2020/21	Unlimited	None	12.0	960	31	5	94,012	108,364	202,376
Total					1,222	14	\$10,139,496	\$605,190	\$10,744,686

(6) and (7) exclude claims with \$0 incurred.

(8), (9) and (10) are gross of the specific self-insured retention and net of other recoveries.

Data was provided by the City.



CITY OF SCOTTSDALE, ARIZONA
AUTOMOBILE LIABILITY

Data Summary as of June 30, 2021
Gross Unlimited Losses

Claim Period (1)	Specific Self-Insured Retention (2)	Aggregate Retention (3)	Months of Development 6/30/21 (4)	Vehicle Count (5)	Reported Claims 6/30/21 (6)	Open Claims 6/30/21 (7)	Gross Unlimited Paid Losses 6/30/21 (8)	Gross Unlimited Case Reserves 6/30/21 (9)	Gross Unlimited Reported Incurred Losses 6/30/21 (10)
to 2001/02	Unlimited	None	240.0	Not Provided	524	0	\$4,681,370	\$0	\$4,681,370
2002/03	Unlimited	None	228.0	785	46	0	285,106	0	285,106
2003/04	Unlimited	None	216.0	781	39	0	263,996	0	263,996
2004/05	Unlimited	None	204.0	805	33	0	553,509	0	553,509
2005/06	Unlimited	None	192.0	893	54	0	345,645	0	345,645
2006/07	Unlimited	None	180.0	1,251	33	0	1,169,728	0	1,169,728
2007/08	Unlimited	None	168.0	1,336	41	0	121,116	0	121,116
2008/09	Unlimited	None	156.0	1,206	25	0	215,162	0	215,162
2009/10	Unlimited	None	144.0	1,188	45	0	156,646	0	156,646
2010/11	Unlimited	None	132.0	1,180	39	0	984,127	0	984,127
2011/12	Unlimited	None	120.0	929	31	0	143,081	0	143,081
2012/13	Unlimited	None	108.0	934	23	1	66,268	3,571	69,840
2013/14	Unlimited	None	96.0	933	30	2	263,043	80,966	344,009
2014/15	Unlimited	None	84.0	956	27	0	173,147	0	173,147
2015/16	Unlimited	None	72.0	926	45	0	250,269	0	250,269
2016/17	Unlimited	None	60.0	962	42	0	120,929	0	120,929
2017/18	Unlimited	None	48.0	1,067	31	0	97,343	0	97,343
2018/19	Unlimited	None	36.0	957	41	2	341,905	156,247	498,151
2019/20	Unlimited	None	24.0	950	42	4	192,995	256,042	449,037
2020/21	Unlimited	None	12.0	960	31	5	94,012	108,364	202,376
Total					1,222	14	\$10,519,397	\$605,190	\$11,124,587

(6) and (7) exclude claims with \$0 incurred.

(8), (9) and (10) are gross of the specific self-insured retention and other recoveries.

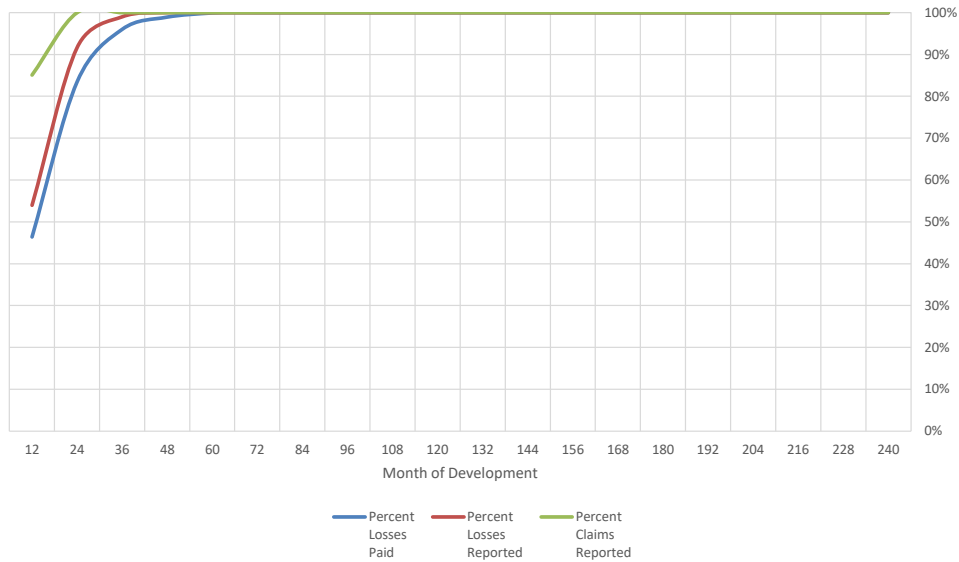
Data was provided by the City.



CITY OF SCOTTSDALE, ARIZONA
AUTOMOBILE LIABILITY

Summary of Percent Losses Paid, Losses Reported and Claims Reported

Months of Development (1)	Percent Losses Paid (2)	Percent Losses Reported (3)	Percent Claims Reported (4)
360.0	100.0%	100.0%	100.0%
348.0	100.0%	100.0%	100.0%
336.0	100.0%	100.0%	100.0%
324.0	100.0%	100.0%	100.0%
312.0	100.0%	100.0%	100.0%
300.0	100.0%	100.0%	100.0%
288.0	100.0%	100.0%	100.0%
276.0	100.0%	100.0%	100.0%
264.0	100.0%	100.0%	100.0%
252.0	100.0%	100.0%	100.0%
240.0	100.0%	100.0%	100.0%
228.0	100.0%	100.0%	100.0%
216.0	100.0%	100.0%	100.0%
204.0	100.0%	100.0%	100.0%
192.0	100.0%	100.0%	100.0%
180.0	100.0%	100.0%	100.0%
168.0	100.0%	100.0%	100.0%
156.0	100.0%	100.0%	100.0%
144.0	100.0%	100.0%	100.0%
132.0	100.0%	100.0%	100.0%
120.0	100.0%	100.0%	100.0%
108.0	100.0%	100.0%	100.0%
96.0	100.0%	100.0%	100.0%
84.0	100.0%	100.0%	100.0%
72.0	100.0%	100.0%	100.0%
60.0	99.9%	100.0%	100.0%
48.0	98.9%	100.0%	100.0%
36.0	96.0%	99.0%	100.0%
24.0	83.5%	91.7%	100.0%
12.0	46.4%	53.9%	85.1%



(2) is from Exhibit AL-2 (page 2).

(3) is from Exhibit AL-2 (page 3).

(4) is from Exhibit AL-2 (page 4).



CITY OF SCOTTSDALE, ARIZONA
AUTOMOBILE LIABILITY

Historical Limited Paid Losses (\$000) and Limited Paid Loss Development

I. Historical Limited Paid Losses (\$000)

Claim Period	Months of Development:																			
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204	216	228	240
to 2001/02																				
2002/03	165	222	285	285	285	285	285	285	285	285	285	285	285	285	285	285	285	285	285	285
2003/04	76	88	260	262	262	262	262	262	262	262	262	262	262	262	262	262	262	262	262	262
2004/05	66	528	530	553	553	553	553	553	553	553	553	553	553	553	553	553	553	553	553	553
2005/06	148	237	286	344	344	344	344	344	344	344	344	344	344	344	344	344	344	344	344	344
2006/07	136	167	1,167	1,169	1,169	1,169	1,169	1,169	1,169	1,169	1,169	1,169	1,169	1,169	1,169	1,169	1,169	1,169	1,169	1,169
2007/08	63 #	120	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121
2008/09	89	113	187	214	214	214	214	214	214	214	214	214	214	214	214	214	214	214	214	214
2009/10	112	131	157	157	157	157	157	157	157	157	157	157	157	157	157	157	157	157	157	157
2010/11	112	227	281	393	984	984	984	984	984	984	984	984	984	984	984	984	984	984	984	984
2011/12	45	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143
2012/13	34	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66
2013/14	82	173	185	194	226	227	234	262												
2014/15	61	104	173	173	173	173	173	173	173	173	173	173	173	173	173	173	173	173	173	173
2015/16	63	244	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250
2016/17	68	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121
2017/18	63	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97
2018/19	64	119	342																	
2019/20	108	193																		
2020/21	94																			

II. Limited Paid Loss Development

Claim Period	Months of Development:																			
	12-24	24-36	36-48	48-60	60-72	72-84	84-96	96-108	108-120	120-132	132-144	144-156	156-168	168-180	180-192	192-204	204-216	216-228	228-240	240-Ult
to 2001/02																				
2002/03	1.345	1.284	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2003/04	1.155	2.975	1.008	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2004/05	8.042	1.002	1.045	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2005/06	1.601	1.209	1.202	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2006/07	1.225	6.987	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
2007/08	1.904	1.011	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2008/09	1.273	1.647	1.149	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2009/10	1.169	1.192	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2010/11	2.029	1.240	1.397	2.507	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2011/12	3.159	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2012/13	1.968	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2013/14	2.109	1.069	1.049	1.161	1.005	1.033	1.119	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2014/15	1.697	1.665	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2015/16	3.840	1.026	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2016/17	1.782	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
2017/18	1.539	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2018/19	1.853	2.871	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2019/20	1.792																			
2020/21																				
Average																				
All	2.193	1.717	1.053	1.111	1.000	1.003	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Wtd 3	1.741	1.662	1.000	1.000	1.002	1.016	1.063	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Last 3	1.728	1.624	1.000	1.000	1.002	1.011	1.040	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Last 5	1.809	1.231	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
x-hi,low																				
Similar	2.250	1.475	1.265	1.130	1.050	1.023	1.011	1.006	1.005	1.002	1.001	1.001	1.001	1.001	1.000	1.000	1.000	1.000	1.001	1.001
Previous	1.800	1.100	1.050	1.010	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
Selected	1.800	1.150	1.030	1.010	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
Cumulative	2.156	1.198	1.041	1.011	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
Percent	46.4%	83.5%	96.0%	98.9%	99.9%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Amounts are limited (net of excess insurance).

Data was provided by the City.



CITY OF SCOTTSDALE, ARIZONA
AUTOMOBILE LIABILITY

Historical Limited Reported Incurred Losses (\$000) and Limited Reported Incurred Loss Development

I. Historical Limited Reported Incurred Losses (\$000)

Claim Period	Months of Development:																			
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204	216	228	240
to 2001/02																				
2002/03	236	322	285	285	285	285	285	285	285	285	285	285	285	285	285	285	285	285	285	285
2003/04	108	132	295	262	262	262	262	262	262	262	262	262	262	262	262	262	262	262	262	262
2004/05	140	563	563	553	553	555	553	553	553	553	553	553	553	553	553	553	553	553	553	553
2005/06	300	278	334	344	344	344	344	344	344	344	344	344	344	344	344	344	344	344	344	344
2006/07	211	572	1,167	1,169	1,169	1,169	1,169	1,169	1,169	1,169	1,169	1,169	1,169	1,169	1,169	1,169	1,169	1,169	1,169	1,169
2007/08	110	152	131	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121
2008/09	175	196	199	214	214	214	214	214	214	214	214	214	214	214	214	214	214	214	214	214
2009/10	123	167	157	157	157	157	157	157	157	157	157	157	157	157	157	157	157	157	157	157
2010/11	151	512	778	1,710	984	984	984	984	984	984	984	984	984	984	984	984	984	984	984	984
2011/12	91	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143
2012/13	67	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70
2013/14	162	219	235	251	281	285	343	343												
2014/15	82	150	173	173	173	173	173	173												
2015/16	69	244	250	250	250	250														
2016/17	120	125	121	121	121															
2017/18	63	97	97	97																
2018/19	64	478	498																	
2019/20	235	449																		
2020/21	202																			

II. Limited Reported Incurred Loss Development

Claim Period	Months of Development:																			
	12-24	24-36	36-48	48-60	60-72	72-84	84-96	96-108	108-120	120-132	132-144	144-156	156-168	168-180	180-192	192-204	204-216	216-228	228-240	240-Ult
to 2001/02																				
2002/03	1.361	0.885	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2003/04	1.220	2.243	0.890	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2004/05	4.039	1.000	0.982	1.000	1.003	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
2005/06	0.924	1.203	1.031	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2006/07	2.708	2.040	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
2007/08	1.384	0.863	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
2008/09	1.118	1.016	1.077	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2009/10	1.354	0.938	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2010/11	3.393	1.519	2.200	0.575	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2011/12	1.579	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2012/13	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
2013/14	1.356	1.075	1.066	1.120	1.016	1.202	1.000													
2014/15	1.834	1.154	1.000	1.000	1.000	1.000	1.000													
2015/16	3.532	1.026	1.000	1.000	1.000															
2016/17	1.044	0.968	1.000	1.000																
2017/18	1.539	1.000	1.000																	
2018/19	7.432	1.043																		
2019/20	1.909																			
2020/21																				
Average																				
All	2.154	1.175	1.073	0.980	1.001	1.015	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Wtd 3	2.824	1.023	1.000	1.000	1.006	1.109	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Last 3	3.627	1.003	1.000	1.000	1.005	1.067	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Last 5	2.327	1.023	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
x-hi,low																				
Similar	1.420	1.180	1.090	1.040	1.015	1.006	1.003	1.003	1.002	1.001	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Previous	1.650	1.100	1.015	1.000	1.000	1.000	1.000	1.000	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	1.700	1.080	1.010	1.000	1.000	1.000	1.000	1.000	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	1.854	1.091	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Percent	53.9%	91.7%	99.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Amounts are limited (net of excess insurance).

Data was provided by the City.



CITY OF SCOTTSDALE, ARIZONA
AUTOMOBILE LIABILITY

Historical Reported Claims and Reported Claim Development

I. Historical Reported Claims

Claim Period	Months of Development:																			
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204	216	228	240
to 2001/02																				
2002/03					46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46
2003/04				39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	46
2004/05			33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	39	46
2005/06		54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	46
2006/07	28	35	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	39
2007/08	36	42	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	39
2008/09	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	39
2009/10	37	46	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	39
2010/11	29	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39
2011/12	26	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	39
2012/13	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	39
2013/14	24	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	39
2014/15	24	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	39
2015/16	33	43	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	39
2016/17	38	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	39
2017/18	28	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	39
2018/19	30	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	39
2019/20	37	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	39
2020/21	31																			39

II. Reported Claim Development

Claim Period	Months of Development:																			
	12-24	24-36	36-48	48-60	60-72	72-84	84-96	96-108	108-120	120-132	132-144	144-156	156-168	168-180	180-192	192-204	204-216	216-228	228-240	240-Ult
to 2001/02																				
2002/03					1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2003/04				1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2004/05			1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2005/06		1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2006/07	1.250	0.943	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2007/08	1.167	0.976	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2008/09	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2009/10	1.243	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
2010/11	1.345	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2011/12	1.192	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2012/13	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2013/14	1.250	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2014/15	1.125	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2015/16	1.303	1.047	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2016/17	1.105	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2017/18	1.107	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2018/19	1.367	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2019/20	1.135																			
2020/21																				
Average																				
All	1.185	0.996	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Wtd 3	1.200	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Last 3	1.203	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Last 5	1.182	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
x-hi,low																				
Similar	1.077	1.009	1.004	1.002	1.002	1.002	1.002	1.001	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Previous	1.175	1.000	1.000	1.000	1.000	1.000	1.000	1.000	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	1.175	1.000	1.000	1.000	1.000	1.000	1.000	1.000	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	1.175	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Percent	85.1%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Data excludes claims with \$0 incurred.

Data was provided by the City.



CITY OF SCOTTSDALE, ARIZONA
AUTOMOBILE LIABILITY

Historical Ratio of Limited Paid Losses and Limited Reported Incurred Losses

Claim Period	Months of Development:																			
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204	216	228	240
to 2001/02																				
2002/03	69.7%	68.9%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
2003/04	70.3%	66.5%	88.3%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
2004/05	47.1%	93.8%	94.0%	100.0%	100.0%	99.8%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
2005/06	49.3%	85.3%	85.7%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
2006/07	64.5%	29.2%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
2007/08	57.3%	78.9%	92.4%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
2008/09	50.8%	57.8%	93.8%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
2009/10	91.2%	78.7%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
2010/11	74.1%	44.3%	36.1%	22.9%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
2011/12	50.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
2012/13	50.2%	94.9%	94.9%	94.9%	94.9%	94.9%	94.9%	94.9%	94.9%	94.9%	94.9%	94.9%	94.9%	94.9%	94.9%	94.9%	94.9%	94.9%	94.9%	94.9%
2013/14	50.9%	79.2%	78.7%	77.5%	80.3%	79.5%	68.3%	76.4%												
2014/15	74.9%	69.3%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
2015/16	92.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
2016/17	56.6%	96.5%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
2017/18	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
2018/19	100.0%	24.9%	68.6%																	
2019/20	45.8%	43.0%																		
2020/21	46.5%																			
Average																				
All	65.3%	72.8%	90.1%	93.5%	98.3%	98.2%	97.2%	97.6%	99.5%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Last 3	64.1%	56.0%	89.5%	100.0%	100.0%	93.2%	87.7%	90.4%	98.3%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Last 5	67.7%	79.8%	100.0%	100.0%	98.3%	98.3%	98.3%	98.3%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
x-hi,low																				
Implicit	86.0%	91.1%	97.0%	98.9%	99.9%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%



CITY OF SCOTTSDALE, ARIZONA
AUTOMOBILE LIABILITY

Exhibit AL-3

Developed Limited Paid Losses

Claim Period (1)	Months of Development 6/30/21 (2)	Limited Paid Losses 6/30/21 (3)	Percent Losses Paid (4)	Developed Limited Paid Losses (3)/(4) (5)
to 2001/02	240.0	\$4,307,523	100.0%	\$4,307,523
2002/03	228.0	284,671	100.0%	284,671
2003/04	216.0	262,455	100.0%	262,455
2004/05	204.0	553,323	100.0%	553,323
2005/06	192.0	344,084	100.0%	344,084
2006/07	180.0	1,168,878	100.0%	1,168,878
2007/08	168.0	121,116	100.0%	121,116
2008/09	156.0	214,485	100.0%	214,485
2009/10	144.0	156,646	100.0%	156,646
2010/11	132.0	984,109	100.0%	984,109
2011/12	120.0	143,081	100.0%	143,081
2012/13	108.0	66,268	100.0%	66,268
2013/14	96.0	262,256	100.0%	262,256
2014/15	84.0	173,147	100.0%	173,147
2015/16	72.0	250,269	100.0%	250,269
2016/17	60.0	120,929	99.9%	121,050
2017/18	48.0	97,343	98.9%	98,415
2018/19	36.0	341,905	96.0%	356,039
2019/20	24.0	192,995	83.5%	231,120
2020/21	12.0	94,012	46.4%	202,650
Total		\$10,139,496		\$10,301,585

(3) is from Exhibit AL-1.

(4) is from Exhibit AL-2.



CITY OF SCOTTSDALE, ARIZONA
AUTOMOBILE LIABILITY

Exhibit AL-4

Developed Limited Reported Incurred Losses

Claim Period (1)	Months of Development 6/30/21 (2)	Limited Reported Incurred Losses 6/30/21 (3)	Percent Losses Reported (4)	Developed Limited Reported Incurred Losses (3)/(4) (5)
to 2001/02	240.0	\$4,307,523	100.0%	\$4,307,523
2002/03	228.0	284,671	100.0%	284,671
2003/04	216.0	262,455	100.0%	262,455
2004/05	204.0	553,323	100.0%	553,323
2005/06	192.0	344,084	100.0%	344,084
2006/07	180.0	1,168,878	100.0%	1,168,878
2007/08	168.0	121,116	100.0%	121,116
2008/09	156.0	214,485	100.0%	214,485
2009/10	144.0	156,646	100.0%	156,646
2010/11	132.0	984,109	100.0%	984,109
2011/12	120.0	143,081	100.0%	143,081
2012/13	108.0	69,840	100.0%	69,840
2013/14	96.0	343,222	100.0%	343,222
2014/15	84.0	173,147	100.0%	173,147
2015/16	72.0	250,269	100.0%	250,269
2016/17	60.0	120,929	100.0%	120,929
2017/18	48.0	97,343	100.0%	97,343
2018/19	36.0	498,151	99.0%	503,133
2019/20	24.0	449,037	91.7%	489,810
2020/21	12.0	202,376	53.9%	375,278
Total		\$10,744,686		\$10,963,342

(3) is from Exhibit AL-1.

(4) is from Exhibit AL-2.



CITY OF SCOTTSDALE, ARIZONA
AUTOMOBILE LIABILITY

Exhibit AL-5

Developed Limited Case Reserves

Claim Period (1)	Months of Development 6/30/21 (2)	Percent Losses Paid (3)	Percent Losses Reported (4)	Percent Losses Reserved 6/30/21 [(4)-(3)]/ [100.0%-(3)] (5)	Limited Paid Losses 6/30/21 (6)	Limited Case Reserves 6/30/21 (7)	Developed Limited Case Reserves (6)+(7)/(5) (8)
to 2001/02	240.0	100.0%	100.0%	100.0%	\$4,307,523	\$0	\$4,307,523
2002/03	228.0	100.0%	100.0%	100.0%	284,671	0	284,671
2003/04	216.0	100.0%	100.0%	100.0%	262,455	0	262,455
2004/05	204.0	100.0%	100.0%	100.0%	553,323	0	553,323
2005/06	192.0	100.0%	100.0%	100.0%	344,084	0	344,084
2006/07	180.0	100.0%	100.0%	100.0%	1,168,878	0	1,168,878
2007/08	168.0	100.0%	100.0%	100.0%	121,116	0	121,116
2008/09	156.0	100.0%	100.0%	100.0%	214,485	0	214,485
2009/10	144.0	100.0%	100.0%	100.0%	156,646	0	156,646
2010/11	132.0	100.0%	100.0%	100.0%	984,109	0	984,109
2011/12	120.0	100.0%	100.0%	100.0%	143,081	0	143,081
2012/13	108.0	100.0%	100.0%	100.0%	66,268	3,571	69,840
2013/14	96.0	100.0%	100.0%	100.0%	262,256	80,966	343,222
2014/15	84.0	100.0%	100.0%	100.0%	173,147	0	173,147
2015/16	72.0	100.0%	100.0%	100.0%	250,269	0	250,269
2016/17	60.0	99.9%	100.0%	100.0%	120,929	0	120,929
2017/18	48.0	98.9%	100.0%	100.0%	97,343	0	97,343
2018/19	36.0	96.0%	99.0%	75.1%	341,905	156,247	550,067
2019/20	24.0	83.5%	91.7%	49.5%	192,995	256,042	709,865
2020/21	12.0	46.4%	53.9%	14.1%	94,012	108,364	864,919
Total					\$10,139,496	\$605,190	\$11,719,973

(3) and (4) are from Exhibit AL-2.

(6) and (7) are from Exhibit AL-1.



CITY OF SCOTTSDALE, ARIZONA
AUTOMOBILE LIABILITY

Exhibit AL-6

Preliminary Projected Ultimate Limited Losses to 2020/21

Claim Period (1)	Developed Limited Paid Losses (2)	Developed Limited Reported Incurred Losses (3)	Developed Limited Case Reserves (4)	Preliminary Projected Ultimate Limited Losses (5)
to 2001/02	\$4,307,523	\$4,307,523	\$4,307,523	\$4,307,523
2002/03	284,671	284,671	284,671	284,671
2003/04	262,455	262,455	262,455	262,455
2004/05	553,323	553,323	553,323	553,323
2005/06	344,084	344,084	344,084	344,084
2006/07	1,168,878	1,168,878	1,168,878	1,168,878
2007/08	121,116	121,116	121,116	121,116
2008/09	214,485	214,485	214,485	214,485
2009/10	156,646	156,646	156,646	156,646
2010/11	984,109	984,109	984,109	984,109
2011/12	143,081	143,081	143,081	143,081
2012/13	66,268	69,840	69,840	70,197
2013/14	262,256	343,222	343,222	351,319
2014/15	173,147	173,147	173,147	173,147
2015/16	250,269	250,269	250,269	250,269
2016/17	121,050	120,929	120,929	120,929
2017/18	98,415	97,343	97,343	97,343
2018/19	356,039	503,133	550,067	531,293
2019/20	231,120	489,810	709,865	551,963
2020/21	202,650	375,278	864,919	620,099
Total	\$10,301,585	\$10,963,342	\$11,719,973	\$11,306,930

(2) is from Exhibit AL-3.

(3) is from Exhibit AL-4.

(4) is from Exhibit AL-5.

(5) is based on (2) to (4) and actuarial judgment.



Bornhuetter - Ferguson Analysis

I. A-priori Loss Rate

Claim Period (1)	Preliminary Projected Ultimate Limited Losses (2)	Vehicle Count (3)	Limited Loss Rate per Vehicle Count (2)/(3) (4)	Loss Rate Trend (2021/22 = 1.000) (5)	Trended Limited Loss Rate per Vehicle Count (4)X(5) (6)	Projected A-priori Loss Rate per Vehicle Count (7)/(5) (8)
2011/12	\$143,081	929	\$154.02	1.480	\$227.98	\$287.25
2012/13	70,197	934	75.16	1.423	106.97	298.74
2013/14	351,319	933	376.55	1.369	515.33	310.69
2014/15	173,147	956	181.12	1.316	238.34	323.12
2015/16	250,269	926	270.27	1.265	341.98	336.04
2016/17	120,929	962	125.71	1.217	152.94	349.48
2017/18	97,343	1,067	91.23	1.170	106.73	363.46
2018/19	531,293	957	555.17	1.125	624.49	378.00
2019/20	551,963	950	581.01	1.082	628.42	393.12
2020/21	620,099	960	646.27	1.040	672.12	408.85

(7) Projected 2021/22 a-priori loss rate per Vehicle Count \$425.20

II. Bornhuetter - Ferguson Analysis Based on Limited Paid Losses

Claim Period (1)	Limited Paid Losses 6/30/21 (2)	Percent Losses Paid (3)	Projected A-priori Loss Rate per Vehicle Count (4)	Vehicle Count (5)	B-F Unpaid Losses [100.0%-(3)] X(4)X(5) (6)	B-F Ultimate Limited Paid Losses (2)+(6) (7)
2016/17	\$120,929	99.9%	\$349.48	962	\$336	\$121,265
2017/18	97,343	98.9%	363.46	1,067	4,223	101,566
2018/19	341,905	96.0%	378.00	957	14,361	356,266
2019/20	192,995	83.5%	393.12	950	61,605	254,601
2020/21	94,012	46.4%	408.85	960	210,300	304,312

III. Bornhuetter - Ferguson Analysis Based on Limited Reported Incurred Losses

Claim Period (1)	Limited Reported Incurred Losses 6/30/21 (2)	Percent Losses Reported (3)	Projected A-priori Loss Rate per Vehicle Count (4)	Vehicle Count (5)	B-F Unreported Losses [100.0%-(3)] X(4)X(5) (6)	B-F Ultimate Limited Reported Losses (2)+(6) (7)
2016/17	\$120,929	100.0%	\$349.48	962	\$0	\$120,929
2017/18	97,343	100.0%	363.46	1,067	0	97,343
2018/19	498,151	99.0%	378.00	957	3,582	501,733
2019/20	449,037	91.7%	393.12	950	31,088	480,125
2020/21	202,376	53.9%	408.85	960	180,739	383,115

Section I, (2) is from Exhibit AL-6.

Section I, (3), Section II, (5) and Section III, (5) are from Exhibit AL-10.

Section I, (5) is based on a 4% trend.

Section I, (7) is based on Section I, (6) and actuarial judgment.

Sections II and III, (2) are from Exhibit AL-1.

Sections II and III, (3) are from Exhibit AL-2.

Sections II and III, (4) are from Section I, (8).



Frequency Times Severity Analysis

I. Projected Ultimate Claims

Claim Period (1)	Months of Development 6/30/21 (2)	Reported Claims 6/30/21 (3)	Percent Claims Reported (4)	Projected Ultimate Claims (3)/(4) (5)	Vehicle Count (6)	Frequency (per 1,000 Vehicle Count) (5)/(6)X1,000 (7)
2011/12	120.0	31	100.0%	31	929	33.37
2012/13	108.0	23	100.0%	23	934	24.63
2013/14	96.0	30	100.0%	30	933	32.15
2014/15	84.0	27	100.0%	27	956	28.24
2015/16	72.0	45	100.0%	45	926	48.60
2016/17	60.0	42	100.0%	42	962	43.66
2017/18	48.0	31	100.0%	31	1,067	29.05
2018/19	36.0	41	100.0%	41	957	42.84
2019/20	24.0	42	100.0%	42	950	44.21
2020/21	12.0	31	85.1%	36	960	37.52

II. Frequency Times Severity

Claim Period (1)	Preliminary Projected Ultimate Limited Losses (2)	Projected Ultimate Claims (3)	Average Severity (2)/(3) (4)	Severity Trend (2021/22 = 1.000) (5)	Trended Average Claim Severity (4)X(5) (6)	De-Trended Projected 2021/22 Average Claim Severity (7)/(5) (8)	Frequency Times Severity (3)X(8) (9)
2011/12	\$143,081	31	\$4,616	1.480	\$6,832	\$7,477	\$231,788
2012/13	70,197	23	3,052	1.423	4,344	7,776	178,851
2013/14	351,319	30	11,711	1.369	16,027	8,087	242,615
2014/15	173,147	27	6,413	1.316	8,439	8,411	227,087
2015/16	250,269	45	5,562	1.265	7,037	8,747	393,618
2016/17	120,929	42	2,879	1.217	3,503	9,097	382,072
2017/18	97,343	31	3,140	1.170	3,673	9,461	293,286
2018/19	531,293	41	12,958	1.125	14,576	9,839	403,410
2019/20	551,963	42	13,142	1.082	14,214	10,233	429,779
2020/21	620,099	36	17,225	1.040	17,914	10,642	383,117

(7) Projected 2021/22 average claim severity

\$11,068

Section I, (3) is from Exhibit AL-1.

Section I, (4) is from Exhibit AL-2.

Section I, (6) is from Exhibit AL-10.

Section II, (2) is from Exhibit AL-6.

Section II, (3) is from Section I, (5).

Section II, (5) is based on a 4% trend.

Section II, (7) is based on (6) and actuarial judgment.



CITY OF SCOTTSDALE, ARIZONA
AUTOMOBILE LIABILITY

Exhibit AL-9

Projected Ultimate Limited Losses to 2020/21

Claim Period (1)	Developed Limited Paid Losses (2)	Developed Limited Reported Incurred Losses (3)	Developed Limited Case Reserves (4)	B-F Ultimate Limited Paid Losses (5)	B-F Ultimate Limited Reported Losses (6)	Frequency Times Severity (7)	Projected Ultimate Limited Losses (8)
to 2001/02	\$4,307,523	\$4,307,523	\$4,307,523				\$4,307,523
2002/03	284,671	284,671	284,671				284,671
2003/04	262,455	262,455	262,455				262,455
2004/05	553,323	553,323	553,323				553,323
2005/06	344,084	344,084	344,084				344,084
2006/07	1,168,878	1,168,878	1,168,878				1,168,878
2007/08	121,116	121,116	121,116				121,116
2008/09	214,485	214,485	214,485				214,485
2009/10	156,646	156,646	156,646				156,646
2010/11	984,109	984,109	984,109				984,109
2011/12	143,081	143,081	143,081				143,081
2012/13	66,268	69,840	69,840				70,197
2013/14	262,256	343,222	343,222				351,319
2014/15	173,147	173,147	173,147				173,147
2015/16	250,269	250,269	250,269				250,269
2016/17	121,050	120,929	120,929	121,265	120,929	382,072	120,929
2017/18	98,415	97,343	97,343	101,566	97,343	293,286	97,343
2018/19	356,039	503,133	550,067	356,266	501,733	403,410	531,000
2019/20	231,120	489,810	709,865	254,601	480,125	429,779	492,000
2020/21	202,650	375,278	864,919	304,312	383,115	383,117	482,000

(2) is from Exhibit AL-3.

(3) is from Exhibit AL-4.

(4) is from Exhibit AL-5.

(5) and (6) are from Exhibit AL-7.

(7) is from Exhibit AL-8.

(8) is based on (2) to (7) and actuarial judgment.



CITY OF SCOTTSDALE, ARIZONA
AUTOMOBILE LIABILITY

Exhibit AL-10

Projected Ultimate Limited Losses for 2021/22 and Subsequent

Claim Period (1)	Projected Ultimate Limited Losses (2)	Vehicle Count (3)	Limited Loss Rate per Vehicle Count (2)/(3) (4)	Loss Rate Trend (2021/22 = 1.000) (5)	Trended Limited Loss Rate per Vehicle Count (4)X(5) (6)
2011/12	\$143,081	929	\$154.02	1.480	\$227.98
2012/13	70,197	934	75.16	1.423	106.97
2013/14	351,319	933	376.55	1.369	515.33
2014/15	173,147	956	181.12	1.316	238.34
2015/16	250,269	926	270.27	1.265	341.98
2016/17	120,929	962	125.71	1.217	152.94
2017/18	97,343	1,067	91.23	1.170	106.73
2018/19	531,000	957	554.86	1.125	624.14
2019/20	492,000	950	517.89	1.082	560.15
2020/21	482,000	960	502.34	1.040	522.44
Total	\$2,711,284	9,574	\$283.21		\$339.70

Claim Period (1)	Projected Limited Loss Rate per Vehicle Count (7)	Projected Vehicle Count (8)	Projected Ultimate Limited Losses (7)X(8) (9)	Present Value Factor (10)	Present Value of Projected Limited Loss Rate per Vehicle Count (7)X(10) (11)	Present Value of Projected Ultimate Limited Losses (8)X(11) (12)
2021/22	\$397.91	969	\$386,000	0.99	\$393.00	\$381,000
2022/23	413.83	979	405,000	0.99	408.72	400,000
2023/24	430.38	989	425,000	0.99	425.07	420,000
2024/25	447.60	998	447,000	0.99	442.07	441,000
2025/26	465.50	1,008	469,000	0.99	459.75	464,000
2026/27	484.12	1,019	493,000	0.99	478.14	487,000

(2) is from Exhibit AL-9.

(3) was provided by the District.

(5) is based on a 4% trend.

(7) 2021/22 is based on (6) and actuarial judgment.
Other period(s) based on 2021/22 plus a 4% trend.

(8) to 2021/22 was provided by the District. Other claim periods are based on a 1% trend.

(10) is based on a 1% interest rate and the payout pattern in Exhibit AL-2.



CITY OF SCOTTSDALE, ARIZONA
AUTOMOBILE LIABILITY

Exhibit AL-11

Estimated Outstanding Losses as of June 30, 2021

Claim Period (1)	Limited Paid Losses 6/30/21 (2)	Limited Case Reserves 6/30/21 (3)	Limited Reported Incurred Losses 6/30/21 (4)	Projected Ultimate Limited Losses (5)	Estimated IBNR 6/30/21 (5)-(4) (6)	Estimated Outstanding Losses 6/30/21 (3)+(6) (7)	Present Value Factor (8)	Present Value of Estimated Outstanding Losses 6/30/21 (7)X(8) (9)
to 2001/02	\$4,307,523	\$0	\$4,307,523	\$4,307,523	\$0	\$0	1.00	\$0
2002/03	284,671	0	284,671	284,671	0	0	1.00	0
2003/04	262,455	0	262,455	262,455	0	0	1.00	0
2004/05	553,323	0	553,323	553,323	0	0	1.00	0
2005/06	344,084	0	344,084	344,084	0	0	1.00	0
2006/07	1,168,878	0	1,168,878	1,168,878	0	0	1.00	0
2007/08	121,116	0	121,116	121,116	0	0	1.00	0
2008/09	214,485	0	214,485	214,485	0	0	1.00	0
2009/10	156,646	0	156,646	156,646	0	0	1.00	0
2010/11	984,109	0	984,109	984,109	0	0	1.00	0
2011/12	143,081	0	143,081	143,081	0	0	1.00	0
2012/13	66,268	3,571	69,840	70,197	357	3,928	1.00	3,928
2013/14	262,256	80,966	343,222	351,319	8,097	89,063	1.00	89,063
2014/15	173,147	0	173,147	173,147	0	0	1.00	0
2015/16	250,269	0	250,269	250,269	0	0	1.00	0
2016/17	120,929	0	120,929	120,929	0	0	1.00	0
2017/18	97,343	0	97,343	97,343	0	0	0.99	0
2018/19	341,905	156,247	498,151	531,000	32,849	189,096	0.99	187,600
2019/20	192,995	256,042	449,037	492,000	42,963	299,005	0.99	296,602
2020/21	94,012	108,364	202,376	482,000	279,624	387,988	0.99	384,523
Total	\$10,139,496	\$605,190	\$10,744,686	\$11,108,575	\$363,890	\$969,080		\$961,716

(2), (3) and (4) are net of specific self-insured retention and aggregate retention.

(5) is from Exhibit AL-9.

(8) is based on a 1% interest rate and the payout pattern in Exhibit AL-2.



CITY OF SCOTTSDALE, ARIZONA
AUTOMOBILE LIABILITY

Exhibit AL-12

Projected Losses Paid July 1, 2021 to June 30, 2022

Claim Period (1)	Months of Development 6/30/21 (2)	Percent Losses Paid (3)	Months of Development 6/30/22 (4)	Percent Losses Paid (5)	Percent Outstanding Losses Paid 7/1/21 to 6/30/22 [(5)-(3)]/[100.0%-(3)] (6)	Estimated Outstanding Losses 6/30/21 (7)	Projected Losses Paid (6)X(7) (8)	Estimated Outstanding Losses 6/30/22 (7)-(8) (9)	Present Value Factor (10)	Present Value of Estimated Outstanding Losses 6/30/22 (9)X(10) (11)
to 2001/02	240.0	100.0%	252.0	100.0%	30.0% *	\$0	\$0	\$0	1.00	\$0
2002/03	228.0	100.0%	240.0	100.0%	30.0% *	0	0	0	1.00	0
2003/04	216.0	100.0%	228.0	100.0%	30.0% *	0	0	0	1.00	0
2004/05	204.0	100.0%	216.0	100.0%	30.0% *	0	0	0	1.00	0
2005/06	192.0	100.0%	204.0	100.0%	30.0% *	0	0	0	1.00	0
2006/07	180.0	100.0%	192.0	100.0%	30.0% *	0	0	0	1.00	0
2007/08	168.0	100.0%	180.0	100.0%	30.0% *	0	0	0	1.00	0
2008/09	156.0	100.0%	168.0	100.0%	30.0% *	0	0	0	1.00	0
2009/10	144.0	100.0%	156.0	100.0%	30.0% *	0	0	0	1.00	0
2010/11	132.0	100.0%	144.0	100.0%	30.0% *	0	0	0	1.00	0
2011/12	120.0	100.0%	132.0	100.0%	30.0% *	0	0	0	1.00	0
2012/13	108.0	100.0%	120.0	100.0%	30.0% *	3,928	1,178	2,750	1.00	2,750
2013/14	96.0	100.0%	108.0	100.0%	30.0% *	89,063	26,719	62,344	1.00	62,344
2014/15	84.0	100.0%	96.0	100.0%	30.0% *	0	0	0	1.00	0
2015/16	72.0	100.0%	84.0	100.0%	30.0% *	0	0	0	1.00	0
2016/17	60.0	99.9%	72.0	100.0%	30.0% *	0	0	0	1.00	0
2017/18	48.0	98.9%	60.0	99.9%	30.0% *	0	0	0	1.00	0
2018/19	36.0	96.0%	48.0	98.9%	30.0% *	189,096	56,729	132,367	0.99	131,590
2019/20	24.0	83.5%	36.0	96.0%	30.0% *	299,005	89,702	209,303	0.99	207,647
2020/21	12.0	46.4%	24.0	83.5%	30.0% *	387,988	116,396	271,592	0.99	269,409
2021/22	0.0	0.0%	12.0	46.4%	30.0% *	386,000	115,800	270,200	0.99	267,787
Total						\$1,355,080	\$406,524	\$948,556		\$941,527

* - Limited to a maximum of 30% per actuarial judgment.

(3) and (5) are from Exhibit AL-2.

(7) to 2020/21 is from Exhibit AL-11. The amount for 2021/22 is from Exhibit AL-10.

(10) is based on a 1% interest rate and the payout pattern in Exhibit AL-2.



CITY OF SCOTTSDALE, ARIZONA
AUTOMOBILE LIABILITY

Exhibit AL-13

Projected Losses Paid July 1, 2022 to June 30, 2023

Claim Period (1)	Months of Development 6/30/22 (2)	Percent Losses Paid (3)	Months of Development 6/30/23 (4)	Percent Losses Paid (5)	Percent Outstanding Losses Paid 7/1/22 to 6/30/23 [(5)-(3)]/[100.0%-(3)] (6)	Estimated Outstanding Losses 6/30/22 (7)	Projected Losses Paid (6)X(7) (8)	Estimated Outstanding Losses 6/30/23 (7)-(8) (9)	Present Value Factor (10)	Present Value of Estimated Outstanding Losses 6/30/23 (9)X(10) (11)
to 2001/02	252.0	100.0%	264.0	100.0%	30.0% *	\$0	\$0	\$0	1.00	\$0
2002/03	240.0	100.0%	252.0	100.0%	30.0% *	0	0	0	1.00	0
2003/04	228.0	100.0%	240.0	100.0%	30.0% *	0	0	0	1.00	0
2004/05	216.0	100.0%	228.0	100.0%	30.0% *	0	0	0	1.00	0
2005/06	204.0	100.0%	216.0	100.0%	30.0% *	0	0	0	1.00	0
2006/07	192.0	100.0%	204.0	100.0%	30.0% *	0	0	0	1.00	0
2007/08	180.0	100.0%	192.0	100.0%	30.0% *	0	0	0	1.00	0
2008/09	168.0	100.0%	180.0	100.0%	30.0% *	0	0	0	1.00	0
2009/10	156.0	100.0%	168.0	100.0%	30.0% *	0	0	0	1.00	0
2010/11	144.0	100.0%	156.0	100.0%	30.0% *	0	0	0	1.00	0
2011/12	132.0	100.0%	144.0	100.0%	30.0% *	0	0	0	1.00	0
2012/13	120.0	100.0%	132.0	100.0%	30.0% *	2,750	825	1,925	1.00	1,925
2013/14	108.0	100.0%	120.0	100.0%	30.0% *	62,344	18,703	43,641	1.00	43,641
2014/15	96.0	100.0%	108.0	100.0%	30.0% *	0	0	0	1.00	0
2015/16	84.0	100.0%	96.0	100.0%	30.0% *	0	0	0	1.00	0
2016/17	72.0	100.0%	84.0	100.0%	30.0% *	0	0	0	1.00	0
2017/18	60.0	99.9%	72.0	100.0%	30.0% *	0	0	0	1.00	0
2018/19	48.0	98.9%	60.0	99.9%	30.0% *	132,367	39,710	92,657	1.00	92,197
2019/20	36.0	96.0%	48.0	98.9%	30.0% *	209,303	62,791	146,512	0.99	145,652
2020/21	24.0	83.5%	36.0	96.0%	30.0% *	271,592	81,478	190,114	0.99	188,610
2021/22	12.0	46.4%	24.0	83.5%	30.0% *	270,200	81,060	189,140	0.99	187,620
2022/23	0.0	0.0%	12.0	46.4%	30.0% *	405,000	121,500	283,500	0.99	280,968
Total						\$1,353,556	\$406,067	\$947,489		\$940,613

* - Limited to a maximum of 30% per actuarial judgment.

(3) and (5) are from Exhibit AL-2.

(7) to 2021/22 is from Exhibit AL-12, (9). The amount for 2022/23 is from Exhibit AL-10.

(10) is based on a 1% interest rate and the payout pattern in Exhibit AL-2.



CITY OF SCOTTSDALE, ARIZONA
AUTOMOBILE LIABILITY

Exhibit AL-14

Projected Losses Paid July 1, 2023 to June 30, 2024

Claim Period (1)	Months of Development 6/30/23 (2)	Percent Losses Paid (3)	Months of Development 6/30/24 (4)	Percent Losses Paid (5)	Percent Outstanding Losses Paid 7/1/23 to 6/30/24 [(5)-(3)]/[100.0%-(3)] (6)	Estimated Outstanding Losses 6/30/23 (7)	Projected Losses Paid (6)X(7) (8)	Estimated Outstanding Losses 6/30/24 (7)-(8) (9)	Present Value Factor (10)	Present Value of Estimated Outstanding Losses 6/30/24 (9)X(10) (11)
to 2001/02	264.0	100.0%	276.0	100.0%	30.0% *	\$0	\$0	\$0	1.00	\$0
2002/03	252.0	100.0%	264.0	100.0%	30.0% *	0	0	0	1.00	0
2003/04	240.0	100.0%	252.0	100.0%	30.0% *	0	0	0	1.00	0
2004/05	228.0	100.0%	240.0	100.0%	30.0% *	0	0	0	1.00	0
2005/06	216.0	100.0%	228.0	100.0%	30.0% *	0	0	0	1.00	0
2006/07	204.0	100.0%	216.0	100.0%	30.0% *	0	0	0	1.00	0
2007/08	192.0	100.0%	204.0	100.0%	30.0% *	0	0	0	1.00	0
2008/09	180.0	100.0%	192.0	100.0%	30.0% *	0	0	0	1.00	0
2009/10	168.0	100.0%	180.0	100.0%	30.0% *	0	0	0	1.00	0
2010/11	156.0	100.0%	168.0	100.0%	30.0% *	0	0	0	1.00	0
2011/12	144.0	100.0%	156.0	100.0%	30.0% *	0	0	0	1.00	0
2012/13	132.0	100.0%	144.0	100.0%	30.0% *	1,925	578	1,347	1.00	1,347
2013/14	120.0	100.0%	132.0	100.0%	30.0% *	43,641	13,092	30,549	1.00	30,549
2014/15	108.0	100.0%	120.0	100.0%	30.0% *	0	0	0	1.00	0
2015/16	96.0	100.0%	108.0	100.0%	30.0% *	0	0	0	1.00	0
2016/17	84.0	100.0%	96.0	100.0%	30.0% *	0	0	0	1.00	0
2017/18	72.0	100.0%	84.0	100.0%	30.0% *	0	0	0	1.00	0
2018/19	60.0	99.9%	72.0	100.0%	30.0% *	92,657	27,797	64,860	1.00	64,860
2019/20	48.0	98.9%	60.0	99.9%	30.0% *	146,512	43,954	102,558	1.00	102,049
2020/21	36.0	96.0%	48.0	98.9%	30.0% *	190,114	57,034	133,080	0.99	132,299
2021/22	24.0	83.5%	36.0	96.0%	30.0% *	189,140	56,742	132,398	0.99	131,351
2022/23	12.0	46.4%	24.0	83.5%	30.0% *	283,500	85,050	198,450	0.99	196,855
2023/24	0.0	0.0%	12.0	46.4%	30.0% *	425,000	127,500	297,500	0.99	294,843
Total						\$1,372,489	\$411,747	\$960,742		\$954,153

* - Limited to a maximum of 30% per actuarial judgment.

(3) and (5) are from Exhibit AL-2.

(7) to 2022/23 is from Exhibit AL-13, (9). The amount for 2023/24 is from Exhibit AL-10.

(10) is based on a 1% interest rate and the payout pattern in Exhibit AL-2.



CITY OF SCOTTSDALE, ARIZONA
AUTOMOBILE LIABILITY

Exhibit AL-15

Projected Losses Paid July 1, 2024 to June 30, 2025

Claim Period (1)	Months of Development 6/30/24 (2)	Percent Losses Paid (3)	Months of Development 6/30/25 (4)	Percent Losses Paid (5)	Percent Outstanding Losses Paid 7/1/24 to 6/30/25 [(5)-(3)]/[100.0%-(3)] (6)	Estimated Outstanding Losses 6/30/24 (7)	Projected Losses Paid (6)X(7) (8)	Estimated Outstanding Losses 6/30/25 (7)-(8) (9)	Present Value Factor (10)	Present Value of Estimated Outstanding Losses 6/30/25 (9)X(10) (11)
to 2001/02	276.0	100.0%	288.0	100.0%	30.0% *	\$0	\$0	\$0	1.00	\$0
2002/03	264.0	100.0%	276.0	100.0%	30.0% *	0	0	0	1.00	0
2003/04	252.0	100.0%	264.0	100.0%	30.0% *	0	0	0	1.00	0
2004/05	240.0	100.0%	252.0	100.0%	30.0% *	0	0	0	1.00	0
2005/06	228.0	100.0%	240.0	100.0%	30.0% *	0	0	0	1.00	0
2006/07	216.0	100.0%	228.0	100.0%	30.0% *	0	0	0	1.00	0
2007/08	204.0	100.0%	216.0	100.0%	30.0% *	0	0	0	1.00	0
2008/09	192.0	100.0%	204.0	100.0%	30.0% *	0	0	0	1.00	0
2009/10	180.0	100.0%	192.0	100.0%	30.0% *	0	0	0	1.00	0
2010/11	168.0	100.0%	180.0	100.0%	30.0% *	0	0	0	1.00	0
2011/12	156.0	100.0%	168.0	100.0%	30.0% *	0	0	0	1.00	0
2012/13	144.0	100.0%	156.0	100.0%	30.0% *	1,347	404	943	1.00	943
2013/14	132.0	100.0%	144.0	100.0%	30.0% *	30,549	9,165	21,384	1.00	21,384
2014/15	120.0	100.0%	132.0	100.0%	30.0% *	0	0	0	1.00	0
2015/16	108.0	100.0%	120.0	100.0%	30.0% *	0	0	0	1.00	0
2016/17	96.0	100.0%	108.0	100.0%	30.0% *	0	0	0	1.00	0
2017/18	84.0	100.0%	96.0	100.0%	30.0% *	0	0	0	1.00	0
2018/19	72.0	100.0%	84.0	100.0%	30.0% *	64,860	19,458	45,402	1.00	45,402
2019/20	60.0	99.9%	72.0	100.0%	30.0% *	102,558	30,767	71,791	1.00	71,791
2020/21	48.0	98.9%	60.0	99.9%	30.0% *	133,080	39,924	93,156	1.00	92,694
2021/22	36.0	96.0%	48.0	98.9%	30.0% *	132,398	39,719	92,679	0.99	92,135
2022/23	24.0	83.5%	36.0	96.0%	30.0% *	198,450	59,535	138,915	0.99	137,816
2023/24	12.0	46.4%	24.0	83.5%	30.0% *	297,500	89,250	208,250	0.99	206,576
2024/25	0.0	0.0%	12.0	46.4%	30.0% *	447,000	134,100	312,900	0.99	310,106
Total						\$1,407,742	\$422,322	\$985,420		\$978,847

* - Limited to a maximum of 30% per actuarial judgment.

(3) and (5) are from Exhibit AL-2.

(7) to 2023/24 is from Exhibit AL-14, (9). The amount for 2024/25 is from Exhibit AL-10.

(10) is based on a 1% interest rate and the payout pattern in Exhibit AL-2.



CITY OF SCOTTSDALE, ARIZONA
AUTOMOBILE LIABILITY

Exhibit AL-16

Projected Losses Paid July 1, 2025 to June 30, 2026

Claim Period (1)	Months of Development 6/30/25 (2)	Percent Losses Paid (3)	Months of Development 6/30/26 (4)	Percent Losses Paid (5)	Percent Outstanding Losses Paid 7/1/25 to 6/30/26 [(5)-(3)]/[100.0%-(3)] (6)	Estimated Outstanding Losses 6/30/25 (7)	Projected Losses Paid (6)X(7) (8)	Estimated Outstanding Losses 6/30/26 (7)-(8) (9)	Present Value Factor (10)	Present Value of Estimated Outstanding Losses 6/30/26 (9)X(10) (11)
to 2001/02	288.0	100.0%	300.0	100.0%	30.0% *	\$0	\$0	\$0	1.00	\$0
2002/03	276.0	100.0%	288.0	100.0%	30.0% *	0	0	0	1.00	0
2003/04	264.0	100.0%	276.0	100.0%	30.0% *	0	0	0	1.00	0
2004/05	252.0	100.0%	264.0	100.0%	30.0% *	0	0	0	1.00	0
2005/06	240.0	100.0%	252.0	100.0%	30.0% *	0	0	0	1.00	0
2006/07	228.0	100.0%	240.0	100.0%	30.0% *	0	0	0	1.00	0
2007/08	216.0	100.0%	228.0	100.0%	30.0% *	0	0	0	1.00	0
2008/09	204.0	100.0%	216.0	100.0%	30.0% *	0	0	0	1.00	0
2009/10	192.0	100.0%	204.0	100.0%	30.0% *	0	0	0	1.00	0
2010/11	180.0	100.0%	192.0	100.0%	30.0% *	0	0	0	1.00	0
2011/12	168.0	100.0%	180.0	100.0%	30.0% *	0	0	0	1.00	0
2012/13	156.0	100.0%	168.0	100.0%	30.0% *	943	283	660	1.00	660
2013/14	144.0	100.0%	156.0	100.0%	30.0% *	21,384	6,415	14,969	1.00	14,969
2014/15	132.0	100.0%	144.0	100.0%	30.0% *	0	0	0	1.00	0
2015/16	120.0	100.0%	132.0	100.0%	30.0% *	0	0	0	1.00	0
2016/17	108.0	100.0%	120.0	100.0%	30.0% *	0	0	0	1.00	0
2017/18	96.0	100.0%	108.0	100.0%	30.0% *	0	0	0	1.00	0
2018/19	84.0	100.0%	96.0	100.0%	30.0% *	45,402	13,621	31,781	1.00	31,781
2019/20	72.0	100.0%	84.0	100.0%	30.0% *	71,791	21,537	50,254	1.00	50,254
2020/21	60.0	99.9%	72.0	100.0%	30.0% *	93,156	27,947	65,209	1.00	65,209
2021/22	48.0	98.9%	60.0	99.9%	30.0% *	92,679	27,804	64,875	1.00	64,553
2022/23	36.0	96.0%	48.0	98.9%	30.0% *	138,915	41,675	97,240	0.99	96,670
2023/24	24.0	83.5%	36.0	96.0%	30.0% *	208,250	62,475	145,775	0.99	144,622
2024/25	12.0	46.4%	24.0	83.5%	30.0% *	312,900	93,870	219,030	0.99	217,270
2026/27	0.0	0.0%	12.0	46.4%	30.0% *	493,000	147,900	345,100	0.99	342,018
Total						\$1,478,420	\$443,527	\$1,034,893		\$1,028,006

* - Limited to a maximum of 30% per actuarial judgment.

(3) and (5) are from Exhibit AL-2.

(7) to 2024/25 is from Exhibit AL-15, (9). The amount for 2026/27 is from Exhibit AL-10.

(10) is based on a 1% interest rate and the payout pattern in Exhibit AL-2.



CITY OF SCOTTSDALE, ARIZONA
AUTOMOBILE LIABILITY

Exhibit AL-17

Projected Losses Paid July 1, 2026 to June 30, 2027

Claim Period (1)	Months of Development 6/30/26 (2)	Percent Losses Paid (3)	Months of Development 6/30/26 (4)	Percent Losses Paid (5)	Percent Outstanding Losses Paid 7/1/26 to 6/30/27 [(5)-(3)]/[100.0%-(3)] (6)	Estimated Outstanding Losses 6/30/26 (7)	Projected Losses Paid (6)X(7) (8)	Estimated Outstanding Losses 6/30/27 (7)-(8) (9)	Present Value Factor (10)	Present Value of Estimated Outstanding Losses 6/30/27 (9)X(10) (11)
to 2001/02	300.0	100.0%	312.0	100.0%	30.0% *	\$0	\$0	\$0	1.00	\$0
2002/03	288.0	100.0%	300.0	100.0%	30.0% *	0	0	0	1.00	0
2003/04	276.0	100.0%	288.0	100.0%	30.0% *	0	0	0	1.00	0
2004/05	264.0	100.0%	276.0	100.0%	30.0% *	0	0	0	1.00	0
2005/06	252.0	100.0%	264.0	100.0%	30.0% *	0	0	0	1.00	0
2006/07	240.0	100.0%	252.0	100.0%	30.0% *	0	0	0	1.00	0
2007/08	228.0	100.0%	240.0	100.0%	30.0% *	0	0	0	1.00	0
2008/09	216.0	100.0%	228.0	100.0%	30.0% *	0	0	0	1.00	0
2009/10	204.0	100.0%	216.0	100.0%	30.0% *	0	0	0	1.00	0
2010/11	192.0	100.0%	204.0	100.0%	30.0% *	0	0	0	1.00	0
2011/12	180.0	100.0%	192.0	100.0%	30.0% *	0	0	0	1.00	0
2012/13	168.0	100.0%	180.0	100.0%	30.0% *	660	198	462	1.00	462
2013/14	156.0	100.0%	168.0	100.0%	30.0% *	14,969	4,491	10,478	1.00	10,478
2014/15	144.0	100.0%	156.0	100.0%	30.0% *	0	0	0	1.00	0
2015/16	132.0	100.0%	144.0	100.0%	30.0% *	0	0	0	1.00	0
2016/17	120.0	100.0%	132.0	100.0%	30.0% *	0	0	0	1.00	0
2017/18	108.0	100.0%	120.0	100.0%	30.0% *	0	0	0	1.00	0
2018/19	96.0	100.0%	108.0	100.0%	30.0% *	31,781	9,534	22,247	1.00	22,247
2019/20	84.0	100.0%	96.0	100.0%	30.0% *	50,254	15,076	35,178	1.00	35,178
2020/21	72.0	100.0%	84.0	100.0%	30.0% *	65,209	19,563	45,646	1.00	45,646
2021/22	60.0	99.9%	72.0	100.0%	30.0% *	64,875	19,463	45,412	1.00	45,412
2022/23	48.0	98.9%	60.0	99.9%	30.0% *	97,240	29,172	68,068	1.00	67,730
2023/24	36.0	96.0%	48.0	98.9%	30.0% *	145,775	43,733	102,042	0.99	101,443
2024/25	24.0	83.5%	36.0	96.0%	30.0% *	219,030	65,709	153,321	0.99	152,108
2026/27	12.0	46.4%	24.0	83.5%	30.0% *	345,100	103,530	241,570	0.99	239,629
2026/27	0.0	0.0%	12.0	46.4%	30.0% *	493,000	147,900	345,100	0.99	342,018
Total						\$1,527,893	\$458,369	\$1,069,524		\$1,062,351

* - Limited to a maximum of 30% per actuarial judgment.

(3) and (5) are from Exhibit AL-2.

(7) to 2024/25 is from Exhibit AL-16, (9). The amount for 2025/26 is from Exhibit AL-10.

(10) is based on a 1% interest rate and the payout pattern in Exhibit AL-2.



CITY OF SCOTTSDALE, ARIZONA
AUTOMOBILE LIABILITY

Exhibit AL-18

Projected Ultimate Claims for 2021/22 and Subsequent

Claim Period (1)	Projected Ultimate Claims (2)	Vehicle Count (3)	Projected Ultimate Claims per 1,000 Vehicle Count (2)/(3)X1,000 (4)
2011/12	31	929	33.37
2012/13	23	934	24.63
2013/14	30	933	32.15
2014/15	27	956	28.24
2015/16	45	926	48.60
2016/17	42	962	43.66
2017/18	31	1,067	29.05
2018/19	41	957	42.84
2019/20	42	950	44.21
2020/21	36	960	37.52
Total	348	9,574	36.35

Claim Period (1)	Projected Ultimate Claims per 1,000 Vehicle Count (5)	Projected Vehicle Count (6)	Projected Ultimate Claims (5)X(6)/1,000 (7)
2021/22	36.43	969	35
2022/23	36.43	979	36
2023/24	36.43	989	36
2024/25	36.43	998	36
2025/26	36.43	1,008	37
2026/27	36.43	1,019	37

(2) and (7) exclude claims with \$0 incurred.

(2) is from Exhibit AL-8.

(3) and (6) are from Exhibit AL-10.

(5) is based on (4) and actuarial judgment.



Loss Rate and Severity Trend

I. Benefit Level Changes

Effective Date (1)	Benefit Level Change (2)	Cumulative Benefit Level Change (3)
10/01/11	1.002	1.002
01/01/12	1.005	1.007
10/01/12	1.004	1.011
01/01/13	1.004	1.015
10/01/13	1.019	1.034
01/01/14	1.002	1.036
10/01/14	1.001	1.037
01/01/15	1.002	1.040
10/01/15	1.011	1.051
01/01/16	1.002	1.053
10/01/16	0.982	1.034
01/01/17	1.002	1.036
10/01/17	1.004	1.040
01/01/18	1.002	1.042
01/01/19	1.002	1.045

II. Loss Rate and Severity Trend

Claim Period (1)	Benefit Trend (2021/22 = 1.000) (2)	Residual Trend (2021/22 = 1.000) (3)	Retention Index (2021/22 = 1.000) (4)	Loss Rate Trend (2021/22 = 1.000) (2)X(3)X(4) (5)	Wage Trend (2021/22 = 1.000) (6)	Severity Trend (2021/22 = 1.000) (5)X(6) (7)
2011/12	1.000	1.480	1.000	1.480	1.000	1.480
2012/13	1.000	1.423	1.000	1.423	1.000	1.423
2013/14	1.000	1.369	1.000	1.369	1.000	1.369
2014/15	1.000	1.316	1.000	1.316	1.000	1.316
2015/16	1.000	1.265	1.000	1.265	1.000	1.265
2016/17	1.000	1.217	1.000	1.217	1.000	1.217
2017/18	1.000	1.170	1.000	1.170	1.000	1.170
2018/19	1.000	1.125	1.000	1.125	1.000	1.125
2019/20	1.000	1.082	1.000	1.082	1.000	1.082
2020/21	1.000	1.040	1.000	1.040	1.000	1.040
2021/22	1.000	1.000	1.000	1.000	1.000	1.000
2022/23	1.000	0.962	1.000	0.962	1.000	0.962
2023/24	1.000	0.925	1.000	0.925	1.000	0.925
2024/25	1.000	0.889	1.000	0.889	1.000	0.889
2025/26	1.000	0.855	1.000	0.855	1.000	0.855
2026/27	1.000	0.822	1.000	0.822	1.000	0.822

Section I, (2) and (3) reflect data published by the NCCI.

Section II, (2) is based on Section I, (2).

Section II, (3) is based on 4% trend per actuarial judgment.

Section II, (4) is based on industry statistics and actuarial judgment.

Section II, (6) is based on 0% trend.



CITY OF SCOTTSDALE, ARIZONA
AUTOMOBILE LIABILITY

Exhibit AL-19

List of Large Claims
Reported Incurred Losses Greater Than \$100,000

Claim Number (1)	Date of Loss (2)	Claim Period (3)	Specific Self-Insured Retention (4)	Unlimited Paid Losses 6/30/21 (5)	Unlimited Case Reserves 6/30/21 (6)	Unlimited Reported Incurred Losses 6/30/21 (7)
VA939403AL016	03/07/94	to 2001/02	\$1,000,000	\$317,757	\$0	\$317,757
VA959603-AL-030	03/27/96	to 2001/02	1,000,000	178,562	0	178,562
VA969703-AL-044	03/13/97	to 2001/02	1,000,000	787,709	0	787,709
VA979803-AL-038	03/10/98	to 2001/02	1,000,000	1,039,654	0	1,039,654
030402-AL-026	02/14/04	2003/04	2,000,000	158,293	0	158,293
040501-AL-035	01/11/05	2004/05	2,000,000	407,106	0	407,106
060703-AL-036	03/24/07	2006/07	2,000,000	909,233	0	909,233
101110-AL-026	10/04/10	2010/11	2,000,000	641,346	0	641,346
131411-AL-024	11/30/13	2013/14	2,000,000	100,129	67,635	167,765
181909-AL-031	09/12/18	2018/19	2,000,000	200,295	0	200,295
181912-AL-039	12/03/18	2018/19	2,000,000	5,154	134,086	139,240
192005-AL-050	05/26/20	2019/20	2,000,000	13,249	184,051	197,300

Amounts are gross of excess insurance and net of other recoveries.

(1) through (7) were provided by the City.



CITY OF SCOTTSDALE, ARIZONA
AUTOMOBILE LIABILITY

Exhibit AL-20

Size of Loss Distribution

I. Reported Claim Count

Claim Size (1)	Prior (2)	2016/17 (3)	2017/18 (4)	2018/19 (5)	2019/20 (6)	2020/21 (7)	Total (2)...(7) (8)	Non-Zero Claim Cumulative Total (9)	Non-Zero Claim Cumulative % of Total (10)
0	0	0	0	0	0	0	0		
0.01 - 5,000	793	36	25	35	32	22	943	943	77.2%
5,000 - 10,000	113	2	3	1	4	5	128	1,071	87.6%
10,000 - 25,000	79	4	3	2	2	3	93	1,164	95.3%
25,000 - 50,000	28	0	0	0	2	0	30	1,194	97.7%
50,000 - 100,000	13	0	0	1	1	1	16	1,210	99.0%
100,000 - 250,000	3	0	0	2	1	0	6	1,216	99.5%
250,000 - 500,000	2	0	0	0	0	0	2	1,218	99.7%
500,000 - 750,000	1	0	0	0	0	0	1	1,219	99.8%
750,000 - 1,000,000	2	0	0	0	0	0	2	1,221	99.9%
Over 1,000,000	1	0	0	0	0	0	1	1,222	100.0%
Total	1,035	42	31	41	42	31	1,222	1,222	

II. Total Reported Incurred Losses

Claim Size (1)	Prior (2)	2016/17 (3)	2017/18 (4)	2018/19 (5)	2019/20 (6)	2020/21 (7)	Total (2)...(7) (8)	Non-Zero Claim Cumulative Total (9)	Non-Zero Claim Cumulative % of Total (10)
0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
0.01 - 5,000	1,218,078	53,269	27,698	56,851	48,367	28,960	1,433,223	1,433,223	12.9%
5,000 - 10,000	797,690	16,401	16,860	6,342	28,803	41,606	907,702	2,340,925	21.0%
10,000 - 25,000	1,219,735	51,259	52,784	37,923	29,318	42,810	1,433,829	3,774,754	33.9%
25,000 - 50,000	978,698	0	0	0	67,749	0	1,046,447	4,821,201	43.3%
50,000 - 100,000	935,236	0	0	57,500	77,500	89,000	1,159,236	5,980,437	53.8%
100,000 - 250,000	504,620	0	0	339,536	197,300	0	1,041,455	7,021,892	63.1%
250,000 - 500,000	724,863	0	0	0	0	0	724,863	7,746,755	69.6%
500,000 - 750,000	641,346	0	0	0	0	0	641,346	8,388,101	75.4%
750,000 - 1,000,000	1,696,943	0	0	0	0	0	1,696,943	10,085,044	90.7%
Over 1,000,000	1,039,654	0	0	0	0	0	1,039,654	11,124,698	100.0%
Total	\$9,756,861	\$120,929	\$97,343	\$498,151	\$449,037	\$202,376	\$11,124,698	\$11,124,698	

Amounts are gross of excess insurance and other recoveries.

Data was provided by the City.

Scottsdale_03AL_063021.xlsx



CITY OF SCOTTSDALE, ARIZONA
PROPERTY

Data Summary as of June 30, 2021
Losses Limited to Self-Insured Retention

Claim Period (1)	Specific Self-Insured Retention (2)	Aggregate Retention (3)	Months of Development 6/30/21 (4)	Property Values (000) (5)	Reported Claims 6/30/21 (6)	Open Claims 6/30/21 (7)	Limited Paid Losses 6/30/21 (8)	Limited Case Reserves 6/30/21 (9)	Limited Reported Incurred Losses 6/30/21 (10)
to 2001/02	See Note	None	240.0	Not Provided	196	0	\$639,342	\$0	\$639,342
2002/03	100,000	None	228.0	Not Provided	11	0	43,486	0	43,486
2003/04	100,000	None	216.0	Not Provided	16	0	35,154	0	35,154
2004/05	100,000	None	204.0	Not Provided	18	0	134,660	0	134,660
2005/06	100,000	None	192.0	Not Provided	37	0	110,385	0	110,385
2006/07	100,000	None	180.0	617,737	22	0	124,769	0	124,769
2007/08	100,000	None	168.0	626,222	30	0	122,301	0	122,301
2008/09	100,000	None	156.0	659,435	9	0	8,089	0	8,089
2009/10	100,000	None	144.0	761,956	13	0	115,861	0	115,861
2010/11	100,000	None	132.0	763,210	14	0	73,993	0	73,993
2011/12	100,000	None	120.0	797,732	14	0	48,828	0	48,828
2012/13	100,000	None	108.0	814,849	13	0	64,561	0	64,561
2013/14	100,000	None	96.0	797,370	16	0	92,716	0	92,716
2014/15	100,000	None	84.0	851,242	21	0	69,435	0	69,435
2015/16	100,000	None	72.0	850,885	30	0	91,432	0	91,432
2016/17	100,000	None	60.0	814,532	18	0	172,646	0	172,646
2017/18	100,000	None	48.0	Not Provided	21	0	62,704	0	62,704
2018/19	100,000	None	36.0	805,712	29	0	339,562	0	339,562
2019/20	100,000	None	24.0	986,294	45	12	314,968	42,298	357,266
2020/21	100,000	None	12.0	996,157	31	17	231,575	67,332	298,907
Total					604	29	\$2,896,467	\$109,630	\$3,006,097

* The specific self-insured retention changes are as follows:

Effective Date	Retention
07/01/78	\$25,000
07/01/95	50,000
07/01/02	100,000

(6) and (7) exclude claims with \$0 incurred.

(8), (9) and (10) are net of the specific self-insured retention and other recoveries.

Data was provided by the City.



CITY OF SCOTTSDALE, ARIZONA
PROPERTY

Data Summary as of June 30, 2021
Net Unlimited Losses

Claim Period (1)	Specific Self-Insured Retention (2)	Aggregate Retention (3)	Months of Development 6/30/21 (4)	Property Values (000) (5)	Reported Claims 6/30/21 (6)	Open Claims 6/30/21 (7)	Net Unlimited Paid Losses 6/30/21 (8)	Net Unlimited Case Reserves 6/30/21 (9)	Net Unlimited Reported Incurred Losses 6/30/21 (10)
to 2001/02	Unlimited	None	240.0	Not Provided	196	0	\$639,342	\$0	\$639,342
2002/03	Unlimited	None	228.0	Not Provided	11	0	43,486	0	43,486
2003/04	Unlimited	None	216.0	Not Provided	16	0	35,154	0	35,154
2004/05	Unlimited	None	204.0	Not Provided	18	0	164,970	0	164,970
2005/06	Unlimited	None	192.0	Not Provided	37	0	110,385	0	110,385
2006/07	Unlimited	None	180.0	617,737	22	0	124,769	0	124,769
2007/08	Unlimited	None	168.0	626,222	30	0	122,301	0	122,301
2008/09	Unlimited	None	156.0	659,435	9	0	8,089	0	8,089
2009/10	Unlimited	None	144.0	761,956	13	0	115,861	0	115,861
2010/11	Unlimited	None	132.0	763,210	14	0	73,993	0	73,993
2011/12	Unlimited	None	120.0	797,732	14	0	48,828	0	48,828
2012/13	Unlimited	None	108.0	814,849	13	0	64,561	0	64,561
2013/14	Unlimited	None	96.0	797,370	16	0	92,716	0	92,716
2014/15	Unlimited	None	84.0	851,242	21	0	69,435	0	69,435
2015/16	Unlimited	None	72.0	850,885	30	0	91,432	0	91,432
2016/17	Unlimited	None	60.0	814,532	18	0	267,621	0	267,621
2017/18	Unlimited	None	48.0	Not Provided	21	0	62,704	0	62,704
2018/19	Unlimited	None	36.0	805,712	29	0	339,562	0	339,562
2019/20	Unlimited	None	24.0	986,294	45	12	315,435	42,298	357,733
2020/21	Unlimited	None	12.0	996,157	31	17	231,575	67,332	298,907
Total					604	29	\$3,022,219	\$109,630	\$3,131,849

(6) and (7) exclude claims with \$0 incurred.

(8), (9) and (10) are gross of the specific self-insured retention and net of other recoveries.

Data was provided by the City.



CITY OF SCOTTSDALE, ARIZONA
PROPERTY

Data Summary as of June 30, 2021
Gross Unlimited Losses

Claim Period (1)	Specific Self-Insured Retention (2)	Aggregate Retention (3)	Months of Development 6/30/21 (4)	Property Values (000) (5)	Reported Claims 6/30/21 (6)	Open Claims 6/30/21 (7)	Gross Unlimited Paid Losses 6/30/21 (8)	Gross Unlimited Case Reserves 6/30/21 (9)	Gross Unlimited Reported Incurred Losses 6/30/21 (10)
to 2001/02	Unlimited	None	240.0	Not Provided	196	0	\$910,972	\$0	\$910,972
2002/03	Unlimited	None	228.0	Not Provided	11	0	52,615	0	52,615
2003/04	Unlimited	None	216.0	Not Provided	16	0	50,384	0	50,384
2004/05	Unlimited	None	204.0	Not Provided	18	0	172,096	0	172,096
2005/06	Unlimited	None	192.0	Not Provided	37	0	116,947	0	116,947
2006/07	Unlimited	None	180.0	617,737	22	0	159,849	0	159,849
2007/08	Unlimited	None	168.0	626,222	30	0	234,555	0	234,555
2008/09	Unlimited	None	156.0	659,435	9	0	18,835	0	18,835
2009/10	Unlimited	None	144.0	761,956	13	0	189,061	0	189,061
2010/11	Unlimited	None	132.0	763,210	14	0	131,605	0	131,605
2011/12	Unlimited	None	120.0	797,732	14	0	48,828	0	48,828
2012/13	Unlimited	None	108.0	814,849	13	0	72,609	0	72,609
2013/14	Unlimited	None	96.0	797,370	16	0	104,726	0	104,726
2014/15	Unlimited	None	84.0	851,242	21	0	87,442	0	87,442
2015/16	Unlimited	None	72.0	850,885	30	0	134,718	0	134,718
2016/17	Unlimited	None	60.0	814,532	18	0	282,035	0	282,035
2017/18	Unlimited	None	48.0	Not Provided	21	0	134,003	0	134,003
2018/19	Unlimited	None	36.0	805,712	29	0	359,736	0	359,736
2019/20	Unlimited	None	24.0	986,294	45	12	343,656	42,298	385,954
2020/21	Unlimited	None	12.0	996,157	31	17	261,248	67,332	328,580
Total					604	29	\$3,865,921	\$109,630	\$3,975,551

(6) and (7) exclude claims with \$0 incurred.

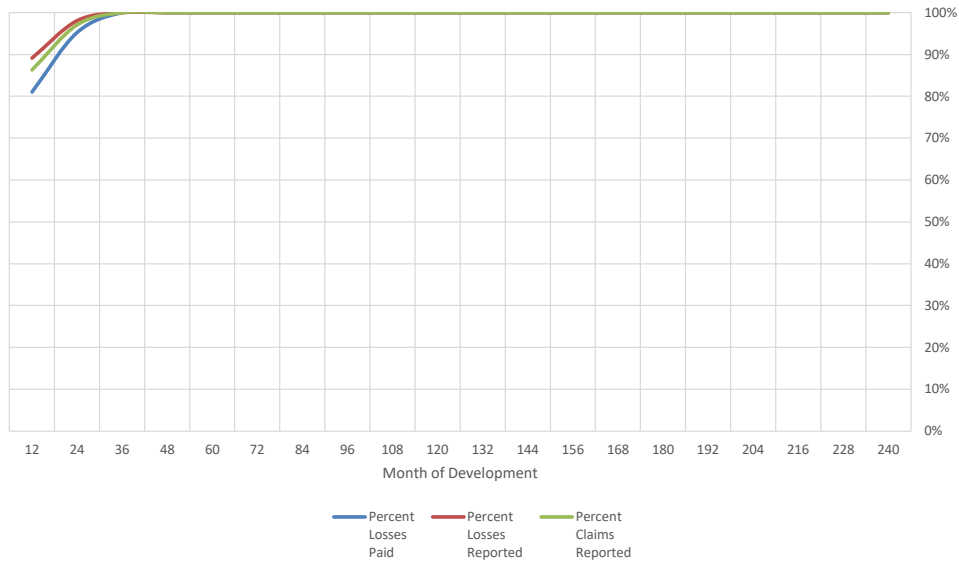
(8), (9) and (10) are gross of the specific self-insured retention and other recoveries.

Data was provided by the City.



Summary of Percent Losses Paid, Losses Reported and Claims Reported

Months of Development (1)	Percent Losses Paid (2)	Percent Losses Reported (3)	Percent Claims Reported (4)
360.0	100.0%	100.0%	100.0%
348.0	100.0%	100.0%	100.0%
336.0	100.0%	100.0%	100.0%
324.0	100.0%	100.0%	100.0%
312.0	100.0%	100.0%	100.0%
300.0	100.0%	100.0%	100.0%
288.0	100.0%	100.0%	100.0%
276.0	100.0%	100.0%	100.0%
264.0	100.0%	100.0%	100.0%
252.0	100.0%	100.0%	100.0%
240.0	100.0%	100.0%	100.0%
228.0	100.0%	100.0%	100.0%
216.0	100.0%	100.0%	100.0%
204.0	100.0%	100.0%	100.0%
192.0	100.0%	100.0%	100.0%
180.0	100.0%	100.0%	100.0%
168.0	100.0%	100.0%	100.0%
156.0	100.0%	100.0%	100.0%
144.0	100.0%	100.0%	100.0%
132.0	100.0%	100.0%	100.0%
120.0	100.0%	100.0%	100.0%
108.0	100.0%	100.0%	100.0%
96.0	100.0%	100.0%	100.0%
84.0	100.0%	100.0%	100.0%
72.0	100.0%	100.0%	100.0%
60.0	100.0%	100.0%	100.0%
48.0	100.0%	100.0%	100.0%
36.0	100.0%	100.0%	100.0%
24.0	95.2%	98.0%	97.1%
12.0	81.1%	89.1%	86.3%



(2) is from Exhibit PR -2 (page 2).

(3) is from Exhibit PR -2 (page 3).

(4) is from Exhibit PR -2 (page 4).



CITY OF SCOTTSDALE, ARIZONA
PROPERTY

Historical Limited Paid Losses (\$000) and Limited Paid Loss Development

I. Historical Limited Paid Losses (\$000)

Claim Period	Months of Development:																			
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204	216	228	240
to 2001/02																				
2002/03	43	49	49	49	49	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43
2003/04	33	33	33	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35
2004/05	23	129	129	129	129	133	133	135	135	135	135	135	135	135	135	135	135	135	135	135
2005/06	100	106	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110
2006/07	120	124	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125
2007/08	156	129	128	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122
2008/09	9	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
2009/10	80	64	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116
2010/11	63	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74
2011/12	40	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49
2012/13	59	71	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65
2013/14	37	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93
2014/15	64	73	73	73	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69
2015/16	80	94	94	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91
2016/17	108	96	173	173	173	173	173	173	173	173	173	173	173	173	173	173	173	173	173	173
2017/18	59	57	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63
2018/19	278	335	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340
2019/20	304	315	315	315	315	315	315	315	315	315	315	315	315	315	315	315	315	315	315	315
2020/21	232	232	232	232	232	232	232	232	232	232	232	232	232	232	232	232	232	232	232	232

II. Limited Paid Loss Development

Claim Period	Months of Development:																			
	12-24	24-36	36-48	48-60	60-72	72-84	84-96	96-108	108-120	120-132	132-144	144-156	156-168	168-180	180-192	192-204	204-216	216-228	228-240	240-Ult
to 2001/02																				
2002/03	1.142	1.000	1.000	1.000	0.889	1.000	1.000	1.000	1.006	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2003/04	1.000	1.000	1.043	1.000	1.000	1.000	1.000	1.008	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2004/05	5.603	1.000	1.000	0.999	1.032	0.999	1.012	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2005/06	1.062	1.044	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2006/07	1.039	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
2007/08	0.825	0.990	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
2008/09	0.926	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2009/10	0.810	1.798	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2010/11	1.176	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2011/12	1.215	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2012/13	1.200	0.915	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2013/14	2.492	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2014/15	1.139	1.000	1.000	0.949	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2015/16	1.178	1.000	0.970	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2016/17	0.896	1.791	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2017/18	0.976	1.093	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2018/19	1.208	1.012	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2019/20	1.036	1.036	1.036	1.036	1.036	1.036	1.036	1.036	1.036	1.036	1.036	1.036	1.036	1.036	1.036	1.036	1.036	1.036	1.036	1.036
2020/21	1.036	1.036	1.036	1.036	1.036	1.036	1.036	1.036	1.036	1.036	1.036	1.036	1.036	1.036	1.036	1.036	1.036	1.036	1.036	1.036
Average																				
All	1.385	1.097	0.998	0.997	0.994	1.000	1.001	1.001	1.001	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Wtd 3	1.105	1.175	0.992	0.989	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Last 3	1.073	1.299	0.990	0.983	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Last 5	1.063	1.035	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
x-hi,low																				
Previous	1.175	1.050	1.000	1.000	1.000	1.000	1.000	1.000	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	1.175	1.050	1.000	1.000	1.000	1.000	1.000	1.000	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	1.234	1.050	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Percent	81.1%	95.2%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Amounts are limited (net of excess insurance).

Data was provided by the City.



CITY OF SCOTTSDALE, ARIZONA
PROPERTY

Historical Limited Reported Incurred Losses (\$000) and Limited Reported Incurred Loss Development

I. Historical Limited Reported Incurred Losses (\$000)

Claim Period	Months of Development:																			
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204	216	228	240
to 2001/02																				
2002/03	46	49	49	49	49	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43
2003/04	38	33	33	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	43
2004/05	144	129	129	129	129	133	133	135	135	135	135	135	135	135	135	135	135	135	135	43
2005/06	233	106	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110
2006/07	160	144	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125
2007/08	226	131	130	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122
2008/09	22	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
2009/10	127	95	130	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116
2010/11	164	136	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74
2011/12	48	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49
2012/13	91	78	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65
2013/14	152	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93
2014/15	69	73	73	73	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69
2015/16	80	94	94	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91
2016/17	108	96	173	173	173	173	173	173	173	173	173	173	173	173	173	173	173	173	173	173
2017/18	59	57	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63
2018/19	278	335	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340
2019/20	319	357	357	357	357	357	357	357	357	357	357	357	357	357	357	357	357	357	357	357
2020/21	299	299	299	299	299	299	299	299	299	299	299	299	299	299	299	299	299	299	299	299

II. Limited Reported Incurred Loss Development

Claim Period	Months of Development:																			
	12-24	24-36	36-48	48-60	60-72	72-84	84-96	96-108	108-120	120-132	132-144	144-156	156-168	168-180	180-192	192-204	204-216	216-228	228-240	240-Ult
to 2001/02																				
2002/03	1.067	1.000	1.000	1.000	0.889	1.000	1.000	1.000	1.006	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2003/04	0.870	1.000	1.043	1.000	1.000	1.000	1.000	1.008	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2004/05	0.896	1.000	1.000	0.999	1.032	0.999	1.012	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2005/06	0.455	1.044	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2006/07	0.902	0.865	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2007/08	0.580	0.997	0.938	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2008/09	0.360	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2009/10	0.754	1.360	0.893	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2010/11	0.826	0.545	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2011/12	1.028	1.000	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
2012/13	0.861	0.826	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2013/14	0.611	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2014/15	1.057	1.000	1.000	0.949	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2015/16	1.178	1.000	0.970	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2016/17	0.896	1.791	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2017/18	0.976	1.093	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2018/19	1.208	1.012	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2019/20	1.119	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2020/21	1.119	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Average																				
All	0.869	1.031	0.990	0.997	0.994	1.000	1.001	1.001	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Wtd 3	1.144	1.175	0.992	0.989	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Last 3	1.101	1.299	0.990	0.983	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Last 5	1.091	1.035	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
x-hi,low																				
Previous	1.100	1.020	1.000	1.000	1.000	1.000	1.000	1.000	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	1.100	1.020	1.000	1.000	1.000	1.000	1.000	1.000	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	1.122	1.020	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Percent	89.1%	98.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Amounts are limited (net of excess insurance).

Data was provided by the City.



CITY OF SCOTTSDALE, ARIZONA
PROPERTY

Historical Reported Claims and Reported Claim Development

I. Historical Reported Claims

Claim Period	Months of Development:																			
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204	216	228	240
to 2001/02																				
2002/03					10	9	9	11	11	11	11	11	11	11	11	11	11	11	11	11
2003/04				10	10	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
2004/05			13	13	13	17	17	18	18	18	18	18	18	18	18	18	18	18	18	18
2005/06		32	33	33	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37
2006/07	24	20	19	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
2007/08	36	23	31	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
2008/09	15	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
2009/10	31	20	15	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
2010/11	36	23	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
2011/12	22	15	15	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
2012/13	16	14	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
2013/14	13	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
2014/15	20	22	22	22	20	20	20	21	21	21	21	21	21	21	21	21	21	21	21	21
2015/16	23	28	28	27	27	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
2016/17	16	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
2017/18	18	20	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21
2018/19	26	28	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
2019/20	30	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
2020/21	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31

II. Reported Claim Development

Claim Period	Months of Development:																			
	12-24	24-36	36-48	48-60	60-72	72-84	84-96	96-108	108-120	120-132	132-144	144-156	156-168	168-180	180-192	192-204	204-216	216-228	228-240	240-Ult
to 2001/02																				
2002/03					0.900	1.000	1.222	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2003/04				1.000	1.000	1.600	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2004/05			1.000	1.000	1.308	1.000	1.059	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2005/06		1.031	1.000	1.121	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2006/07	0.833	0.950	1.158	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2007/08	0.639	1.348	0.968	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2008/09	0.600	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2009/10	0.645	0.750	0.867	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2010/11	0.639	0.609	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2011/12	0.682	1.000	0.933	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2012/13	0.875	0.929	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2013/14	1.231	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2014/15	1.100	1.000	1.000	1.000	1.000	1.050	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2015/16	1.217	1.000	0.964	1.000	1.111	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2016/17	1.125	1.000	1.125	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2017/18	1.111	1.050	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2018/19	1.077	1.036	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2019/20	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500
2020/21	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500
Average																				
All	0.948	0.979	0.992	1.002	1.023	1.050	1.023	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Wtd 3	1.257	1.030	0.985	0.970	1.048	1.020	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Last 3	1.229	1.029	0.988	0.970	1.037	1.017	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Last 5	1.151	1.012	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
x-hi,low																				
Previous	1.125	1.000	1.000	1.000	1.000	1.000	1.000	1.000	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	1.125	1.030	1.000	1.000	1.000	1.000	1.000	1.000	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	1.159	1.030	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Percent	86.3%	97.1%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Data excludes claims with \$0 incurred.

Data was provided by the City.



CITY OF SCOTTSDALE, ARIZONA
PROPERTY

Historical Ratio of Limited Paid Losses and Limited Reported Incurred Losses

Claim Period	Months of Development:																				
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204	216	228	240	
to 2001/02																					
2002/03	93.4%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
2003/04	87.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
2004/05	16.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
2005/06	42.8%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
2006/07	74.8%	86.1%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
2007/08	69.3%	98.7%	98.1%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
2008/09	38.9%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
2009/10	62.8%	67.5%	89.3%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
2010/11	38.3%	54.5%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
2011/12	84.4%	99.8%	99.8%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
2012/13	64.8%	90.3%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
2013/14	24.5%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
2014/15	92.8%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
2015/16	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
2016/17	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
2017/18	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
2018/19	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
2019/20	95.2%	88.2%																			
2020/21	77.5%																				
Average																					
All	71.7%	93.6%	99.2%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Last 3	90.9%	96.1%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Last 5	98.4%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
x-hi,low																					
Implicit	90.9%	97.1%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%



Developed Limited Paid Losses

Claim Period (1)	Months of Development 6/30/21 (2)	Limited Paid Losses 6/30/21 (3)	Percent Losses Paid (4)	Developed Limited Paid Losses (3)/(4) (5)
to 2001/02	240.0	\$639,342	100.0%	\$639,342
2002/03	228.0	43,486	100.0%	43,486
2003/04	216.0	35,154	100.0%	35,154
2004/05	204.0	134,660	100.0%	134,660
2005/06	192.0	110,385	100.0%	110,385
2006/07	180.0	124,769	100.0%	124,769
2007/08	168.0	122,301	100.0%	122,301
2008/09	156.0	8,089	100.0%	8,089
2009/10	144.0	115,861	100.0%	115,861
2010/11	132.0	73,993	100.0%	73,993
2011/12	120.0	48,828	100.0%	48,828
2012/13	108.0	64,561	100.0%	64,561
2013/14	96.0	92,716	100.0%	92,716
2014/15	84.0	69,435	100.0%	69,435
2015/16	72.0	91,432	100.0%	91,432
2016/17	60.0	172,646	100.0%	172,646
2017/18	48.0	62,704	100.0%	62,704
2018/19	36.0	339,562	100.0%	339,562
2019/20	24.0	314,968	95.2%	320,716 *
2020/21	12.0	231,575	81.1%	285,705
Total		\$2,896,467		\$2,956,346

* - Indicates large claim(s) limited to retention. For details, see Exhibit PR -19.

(3) is from Exhibit PR -1.

(4) is from Exhibit PR -2.



CITY OF SCOTTSDALE, ARIZONA
PROPERTY

Exhibit PR -4

Developed Limited Reported Incurred Losses

Claim Period (1)	Months of Development 6/30/21 (2)	Limited Reported Incurred Losses 6/30/21 (3)	Percent Losses Reported (4)	Developed Limited Reported Incurred Losses (3)/(4) (5)
to 2001/02	240.0	\$639,342	100.0%	\$639,342
2002/03	228.0	43,486	100.0%	43,486
2003/04	216.0	35,154	100.0%	35,154
2004/05	204.0	134,660	100.0%	134,660
2005/06	192.0	110,385	100.0%	110,385
2006/07	180.0	124,769	100.0%	124,769
2007/08	168.0	122,301	100.0%	122,301
2008/09	156.0	8,089	100.0%	8,089
2009/10	144.0	115,861	100.0%	115,861
2010/11	132.0	73,993	100.0%	73,993
2011/12	120.0	48,828	100.0%	48,828
2012/13	108.0	64,561	100.0%	64,561
2013/14	96.0	92,716	100.0%	92,716
2014/15	84.0	69,435	100.0%	69,435
2015/16	72.0	91,432	100.0%	91,432
2016/17	60.0	172,646	100.0%	172,646
2017/18	48.0	62,704	100.0%	62,704
2018/19	36.0	339,562	100.0%	339,562
2019/20	24.0	357,266	98.0%	360,411 *
2020/21	12.0	298,907	89.1%	335,373
Total		\$3,006,097		\$3,045,709

* - Indicates large claim(s) limited to retention. For details, see Exhibit PR -19.

(3) is from Exhibit PR -1.

(4) is from Exhibit PR -2.



Developed Limited Case Reserves

Claim Period (1)	Months of Development 6/30/21 (2)	Percent Losses Paid (3)	Percent Losses Reported (4)	Percent Losses Reserved 6/30/21 [(4)-(3)]/ [100.0%-(3)] (5)	Limited Paid Losses 6/30/21 (6)	Limited Case Reserves 6/30/21 (7)	Developed Limited Case Reserves (6)+(7)/(5) (8)
to 2001/02	240.0	100.0%	100.0%	100.0%	\$639,342	\$0	\$639,342
2002/03	228.0	100.0%	100.0%	100.0%	43,486	0	43,486
2003/04	216.0	100.0%	100.0%	100.0%	35,154	0	35,154
2004/05	204.0	100.0%	100.0%	100.0%	134,660	0	134,660
2005/06	192.0	100.0%	100.0%	100.0%	110,385	0	110,385
2006/07	180.0	100.0%	100.0%	100.0%	124,769	0	124,769
2007/08	168.0	100.0%	100.0%	100.0%	122,301	0	122,301
2008/09	156.0	100.0%	100.0%	100.0%	8,089	0	8,089
2009/10	144.0	100.0%	100.0%	100.0%	115,861	0	115,861
2010/11	132.0	100.0%	100.0%	100.0%	73,993	0	73,993
2011/12	120.0	100.0%	100.0%	100.0%	48,828	0	48,828
2012/13	108.0	100.0%	100.0%	100.0%	64,561	0	64,561
2013/14	96.0	100.0%	100.0%	100.0%	92,716	0	92,716
2014/15	84.0	100.0%	100.0%	100.0%	69,435	0	69,435
2015/16	72.0	100.0%	100.0%	100.0%	91,432	0	91,432
2016/17	60.0	100.0%	100.0%	100.0%	172,646	0	172,646
2017/18	48.0	100.0%	100.0%	100.0%	62,704	0	62,704
2018/19	36.0	100.0%	100.0%	100.0%	339,562	0	339,562
2019/20	24.0	95.2%	98.0%	58.8%	314,968	42,298	386,874
2020/21	12.0	81.1%	89.1%	42.6%	231,575	67,332	389,597
Total					\$2,896,467	\$109,630	\$3,126,396

(3) and (4) are from Exhibit PR -2.

(6) and (7) are from Exhibit PR -1.



CITY OF SCOTTSDALE, ARIZONA
PROPERTY

Exhibit PR -6

Preliminary Projected Ultimate Limited Losses to 2020/21

Claim Period (1)	Developed Limited Paid Losses (2)	Developed Limited Reported Incurred Losses (3)	Developed Limited Case Reserves (4)	Preliminary Projected Ultimate Limited Losses (5)
to 2001/02	\$639,342	\$639,342	\$639,342	\$639,342
2002/03	43,486	43,486	43,486	43,486
2003/04	35,154	35,154	35,154	35,154
2004/05	134,660	134,660	134,660	134,660
2005/06	110,385	110,385	110,385	110,385
2006/07	124,769	124,769	124,769	124,769
2007/08	122,301	122,301	122,301	122,301
2008/09	8,089	8,089	8,089	8,089
2009/10	115,861	115,861	115,861	115,861
2010/11	73,993	73,993	73,993	73,993
2011/12	48,828	48,828	48,828	48,828
2012/13	64,561	64,561	64,561	64,561
2013/14	92,716	92,716	92,716	92,716
2014/15	69,435	69,435	69,435	69,435
2015/16	91,432	91,432	91,432	91,432
2016/17	172,646	172,646	172,646	172,646
2017/18	62,704	62,704	62,704	62,704
2018/19	339,562	339,562	339,562	339,562
2019/20	320,716	360,411	386,874	363,057
2020/21	285,705	335,373	389,597	347,129
Total	\$2,956,346	\$3,045,709	\$3,126,396	\$3,060,111

(2) is from Exhibit PR -3.

(3) is from Exhibit PR -4.

(4) is from Exhibit PR -5.

(5) is based on (2) to (4) and actuarial judgment.



Bornhuetter - Ferguson Analysis

I. A-priori Loss Rate

Claim Period (1)	Preliminary Projected Ultimate Limited Losses (2)	Property Values (000) (3)	Limited Loss Rate per \$1,000,000 of Property Values (2)/(3)X1,000 (4)	Loss Rate Trend (2021/22 = 1.000) (5)	Trended Limited Loss Rate per \$1,000,000 of Property Values (4)X(5) (6)	Projected A-priori Loss Rate per \$1,000,000 of Property Values (7)/(5) (8)
2011/12	\$48,828	\$797,732	\$61.21	1.219	\$74.61	\$166.01
2012/13	64,561	814,849	79.23	1.195	94.69	169.33
2013/14	92,716	797,370	116.28	1.172	136.24	172.72
2014/15	69,435	851,242	81.57	1.149	93.70	176.17
2015/16	91,432	850,885	107.46	1.126	121.01	179.70
2016/17	172,646	814,532	211.96	1.104	234.02	183.29
2017/18	62,704	810,206	77.39	1.082	83.77	186.96
2018/19	339,562	805,712	421.44	1.061	447.24	190.70
2019/20	363,057	986,294	368.10	1.040	382.97	194.51
2020/21	347,129	996,157	348.47	1.020	355.44	198.40

(7) Projected 2021/22 a-priori loss rate per \$1,000,000 of Property Values \$202.37

II. Bornhuetter - Ferguson Analysis Based on Limited Paid Losses

Claim Period (1)	Limited Paid Losses 6/30/21 (2)	Percent Losses Paid (3)	Projected A-priori Loss Rate per \$1,000,000 of Property Values (4)	Property Values (000) (5)	B-F Unpaid Losses [100.0%-(3)] X(4)X(5)/1,000 (6)	B-F Ultimate Limited Paid Losses (2)+(6) (7)
2016/17	\$172,646	100.0%	\$183.29	\$814,532	\$0	\$172,646
2017/18	62,704	100.0%	186.96	810,206	0	62,704
2018/19	339,562	100.0%	190.70	805,712	0	339,562
2019/20	314,968	95.2%	194.51	986,294	9,135	324,103
2020/21	231,575	81.1%	198.40	996,157	37,445	269,020

III. Bornhuetter - Ferguson Analysis Based on Limited Reported Incurred Losses

Claim Period (1)	Limited Reported Incurred Losses 6/30/21 (2)	Percent Losses Reported (3)	Projected A-priori Loss Rate per \$1,000,000 of Property Values (4)	Property Values (000) (5)	B-F Unreported Losses [100.0%-(3)] X(4)X(5)/1,000 (6)	B-F Ultimate Limited Reported Losses (2)+(6) (7)
2016/17	\$172,646	100.0%	\$183.29	\$814,532	\$0	\$172,646
2017/18	62,704	100.0%	186.96	810,206	0	62,704
2018/19	339,562	100.0%	190.70	805,712	0	339,562
2019/20	357,266	98.0%	194.51	986,294	3,762	361,027
2020/21	298,907	89.1%	198.40	996,157	21,490	320,397

Section I, (2) is from Exhibit PR -6.

Section I, (3), Section II, (5) and Section III, (5) are from Exhibit PR -10.

Section I, (5) is based on a 2% trend.

Section I, (7) is based on Section I, (6) and actuarial judgment.

Sections II and III, (2) are from Exhibit PR -1.

Sections II and III, (3) are from Exhibit PR -2.

Sections II and III, (4) are from Section I, (8).



Frequency Times Severity Analysis

I. Projected Ultimate Claims

Claim Period (1)	Months of Development 6/30/21 (2)	Reported Claims 6/30/21 (3)	Percent Claims Reported (4)	Projected Ultimate Claims (3)/(4) (5)	Property Values (000) (6)	Frequency (per \$1M of Property Values) (5)/(6)X1,000 (7)
2011/12	120.0	14	100.0%	14	\$797,732	0.02
2012/13	108.0	13	100.0%	13	814,849	0.02
2013/14	96.0	16	100.0%	16	797,370	0.02
2014/15	84.0	21	100.0%	21	851,242	0.02
2015/16	72.0	30	100.0%	30	850,885	0.04
2016/17	60.0	18	100.0%	18	814,532	0.02
2017/18	48.0	21	100.0%	21	810,206	0.03
2018/19	36.0	29	100.0%	29	805,712	0.04
2019/20	24.0	45	97.1%	46	986,294	0.05
2020/21	12.0	31	86.3%	36	996,157	0.04

II. Frequency Times Severity

Claim Period (1)	Preliminary Projected Ultimate Limited Losses (2)	Projected Ultimate Claims (3)	Average Severity (2)/(3) (4)	Severity Trend (2021/22 = 1.000) (5)	Trended Average Claim Severity (4)X(5) (6)	De-Trended Projected 2021/22 Average Claim Severity (7)/(5) (8)	Frequency Times Severity (3)X(8) (9)
2011/12	\$48,828	14	\$3,488	1.219	\$4,251	\$5,619	\$78,672
2012/13	64,561	13	4,966	1.195	5,935	5,732	74,514
2013/14	92,716	16	5,795	1.172	6,789	5,846	93,543
2014/15	69,435	21	3,306	1.149	3,798	5,963	125,231
2015/16	91,432	30	3,048	1.126	3,432	6,083	182,480
2016/17	172,646	18	9,591	1.104	10,590	6,204	111,678
2017/18	62,704	21	2,986	1.082	3,232	6,328	132,896
2018/19	339,562	29	11,709	1.061	12,426	6,455	187,194
2019/20	363,057	46	7,893	1.040	8,211	6,584	302,867
2020/21	347,129	36	9,642	1.020	9,835	6,716	241,767

(7) Projected 2021/22 average claim severity

\$6,850

Section I, (3) is from Exhibit PR -1.

Section I, (4) is from Exhibit PR -2.

Section I, (6) is from Exhibit PR -10.

Section II, (2) is from Exhibit PR -6.

Section II, (3) is from Section I, (5).

Section II, (5) is based on a 2% trend.

Section II, (7) is based on (6) and actuarial judgment.



CITY OF SCOTTSDALE, ARIZONA
PROPERTY

Exhibit PR -9

Projected Ultimate Limited Losses to 2020/21

Claim Period (1)	Developed Limited Paid Losses (2)	Developed Limited Reported Incurred Losses (3)	Developed Limited Case Reserves (4)	B-F Ultimate Limited Paid Losses (5)	B-F Ultimate Limited Reported Losses (6)	Frequency Times Severity (7)	Projected Ultimate Limited Losses (8)
to 2001/02	\$639,342	\$639,342	\$639,342				\$639,342
2002/03	43,486	43,486	43,486				43,486
2003/04	35,154	35,154	35,154				35,154
2004/05	134,660	134,660	134,660				134,660
2005/06	110,385	110,385	110,385				110,385
2006/07	124,769	124,769	124,769				124,769
2007/08	122,301	122,301	122,301				122,301
2008/09	8,089	8,089	8,089				8,089
2009/10	115,861	115,861	115,861				115,861
2010/11	73,993	73,993	73,993				73,993
2011/12	48,828	48,828	48,828				48,828
2012/13	64,561	64,561	64,561				64,561
2013/14	92,716	92,716	92,716				92,716
2014/15	69,435	69,435	69,435				69,435
2015/16	91,432	91,432	91,432				91,432
2016/17	172,646	172,646	172,646	172,646	172,646	111,678	172,646
2017/18	62,704	62,704	62,704	62,704	62,704	132,896	62,704
2018/19	339,562	339,562	339,562	339,562	339,562	187,194	339,562
2019/20	320,716	360,411	386,874	324,103	361,027	302,867	363,000
2020/21	285,705	335,373	389,597	269,020	320,397	241,767	316,000

(2) is from Exhibit PR -3.

(3) is from Exhibit PR -4.

(4) is from Exhibit PR -5.

(5) and (6) are from Exhibit PR -7.

(7) is from Exhibit PR -8.

(8) is based on (2) to (7) and actuarial judgment.



Projected Ultimate Limited Losses for 2021/22 and Subsequent

Claim Period (1)	Projected Ultimate Limited Losses (2)	Property Values (000) (3)	Limited Loss Rate per \$1,000,000 of Property Values (2)/(3)X1,000 (4)	Loss Rate Trend (2021/22 = 1.000) (5)	Trended Limited Loss Rate per \$1,000,000 of Property Values (4)X(5) (6)
2011/12	\$48,828	\$797,732	\$61.21	1.219	\$74.61
2012/13	64,561	814,849	79.23	1.195	94.69
2013/14	92,716	797,370	116.28	1.172	136.24
2014/15	69,435	851,242	81.57	1.149	93.70
2015/16	91,432	850,885	107.46	1.126	121.01
2016/17	172,646	814,532	211.96	1.104	234.02
2017/18	62,704	810,206	77.39	1.082	83.77
2018/19	339,562	805,712	421.44	1.061	447.24
2019/20	363,000	986,294	368.04	1.040	382.91
2020/21	316,000	996,157	317.22	1.020	323.56
Total	\$1,620,884	\$8,524,980	\$190.13		\$199.18

Claim Period (1)	Projected Limited Loss Rate per \$1,000,000 of Property Values (7)	Projected Property Values (000) (8)	Projected Ultimate Limited Losses (7)X(8)/1,000 (9)	Present Value Factor (10)	Present Value of Projected Limited Loss Rate per \$1,000,000 of Property Values (7)X(10) (11)	Present Value of Projected Ultimate Limited Losses (8)X(11)/1,000 (12)
2021/22	\$199.18	\$1,006,119	\$200,000	0.99	\$197.72	\$199,000
2022/23	203.16	1,016,180	206,000	0.99	201.68	205,000
2023/24	207.22	1,026,342	213,000	0.99	205.71	211,000
2024/25	211.37	1,036,605	219,000	0.99	209.82	218,000
2025/26	215.59	1,046,971	226,000	0.99	214.02	224,000
2026/27	219.91	1,057,441	233,000	0.99	218.30	231,000

(2) is from Exhibit PR -9.

(3) 2011/12, 2012/13, 2013/14, 2014/15, 2015/16, 2016/17, 2018/19, 2019/20 and 2020/21 were provided by the City. Other periods assume a 1% trend.

(5) is based on a 2% trend.

(7) 2021/22 is based on (6) and actuarial judgment.
Other period(s) based on 2021/22 plus a 2% trend.

(8) is based on (3) for 2020/21 and a 1% trend.

(10) is based on a 1% interest rate and the payout pattern in Exhibit PR -2.



CITY OF SCOTTSDALE, ARIZONA
PROPERTY

Exhibit PR -11

Estimated Outstanding Losses as of June 30, 2021

Claim Period (1)	Limited Paid Losses 6/30/21 (2)	Limited Case Reserves 6/30/21 (3)	Limited Reported Incurred Losses 6/30/21 (4)	Projected Ultimate Limited Losses (5)	Estimated IBNR 6/30/21 (5)-(4) (6)	Estimated Outstanding Losses 6/30/21 (3)+(6) (7)	Present Value Factor (8)	Present Value of Estimated Outstanding Losses 6/30/21 (7)X(8) (9)
to 2001/02	\$639,342	\$0	\$639,342	\$639,342	\$0	\$0	1.00	\$0
2002/03	43,486	0	43,486	43,486	0	0	1.00	0
2003/04	35,154	0	35,154	35,154	0	0	1.00	0
2004/05	134,660	0	134,660	134,660	0	0	1.00	0
2005/06	110,385	0	110,385	110,385	0	0	1.00	0
2006/07	124,769	0	124,769	124,769	0	0	1.00	0
2007/08	122,301	0	122,301	122,301	0	0	1.00	0
2008/09	8,089	0	8,089	8,089	0	0	1.00	0
2009/10	115,861	0	115,861	115,861	0	0	1.00	0
2010/11	73,993	0	73,993	73,993	0	0	1.00	0
2011/12	48,828	0	48,828	48,828	0	0	1.00	0
2012/13	64,561	0	64,561	64,561	0	0	1.00	0
2013/14	92,716	0	92,716	92,716	0	0	1.00	0
2014/15	69,435	0	69,435	69,435	0	0	1.00	0
2015/16	91,432	0	91,432	91,432	0	0	1.00	0
2016/17	172,646	0	172,646	172,646	0	0	1.00	0
2017/18	62,704	0	62,704	62,704	0	0	1.00	0
2018/19	339,562	0	339,562	339,562	0	0	1.00	0
2019/20	314,968	42,298	357,266	363,000	5,734	48,032	1.00	47,794
2020/21	231,575	67,332	298,907	316,000	17,093	84,425	0.99	83,797
Total	\$2,896,467	\$109,630	\$3,006,097	\$3,028,925	\$22,827	\$132,457		\$131,591

(2), (3) and (4) are net of specific self-insured retention and aggregate retention.

(5) is from Exhibit PR -9.

(8) is based on a 1% interest rate and the payout pattern in Exhibit PR -2.



CITY OF SCOTTSDALE, ARIZONA
PROPERTY

Exhibit PR -12

Projected Losses Paid July 1, 2021 to June 30, 2022

Claim Period (1)	Months of Development 6/30/21 (2)	Percent Losses Paid (3)	Months of Development 6/30/22 (4)	Percent Losses Paid (5)	Percent Outstanding Losses Paid 7/1/21 to 6/30/22 [(5)-(3)]/[100.0%-(3)] (6)	Estimated Outstanding Losses 6/30/21 (7)	Projected Losses Paid (6)X(7) (8)	Estimated Outstanding Losses 6/30/22 (7)-(8) (9)	Present Value Factor (10)	Present Value of Estimated Outstanding Losses 6/30/22 (9)X(10) (11)
to 2001/02	240.0	100.0%	252.0	100.0%	100.0%	\$0	\$0	\$0	1.00	\$0
2002/03	228.0	100.0%	240.0	100.0%	100.0%	0	0	0	1.00	0
2003/04	216.0	100.0%	228.0	100.0%	100.0%	0	0	0	1.00	0
2004/05	204.0	100.0%	216.0	100.0%	100.0%	0	0	0	1.00	0
2005/06	192.0	100.0%	204.0	100.0%	100.0%	0	0	0	1.00	0
2006/07	180.0	100.0%	192.0	100.0%	100.0%	0	0	0	1.00	0
2007/08	168.0	100.0%	180.0	100.0%	100.0%	0	0	0	1.00	0
2008/09	156.0	100.0%	168.0	100.0%	100.0%	0	0	0	1.00	0
2009/10	144.0	100.0%	156.0	100.0%	100.0%	0	0	0	1.00	0
2010/11	132.0	100.0%	144.0	100.0%	100.0%	0	0	0	1.00	0
2011/12	120.0	100.0%	132.0	100.0%	100.0%	0	0	0	1.00	0
2012/13	108.0	100.0%	120.0	100.0%	100.0%	0	0	0	1.00	0
2013/14	96.0	100.0%	108.0	100.0%	100.0%	0	0	0	1.00	0
2014/15	84.0	100.0%	96.0	100.0%	100.0%	0	0	0	1.00	0
2015/16	72.0	100.0%	84.0	100.0%	100.0%	0	0	0	1.00	0
2016/17	60.0	100.0%	72.0	100.0%	100.0%	0	0	0	1.00	0
2017/18	48.0	100.0%	60.0	100.0%	100.0%	0	0	0	1.00	0
2018/19	36.0	100.0%	48.0	100.0%	100.0%	0	0	0	1.00	0
2019/20	24.0	95.2%	36.0	100.0%	100.0%	48,032	48,032	0	1.00	0
2020/21	12.0	81.1%	24.0	95.2%	74.9%	84,425	63,206	21,219	1.00	21,114
2021/22	0.0	0.0%	12.0	81.1%	81.1%	200,000	162,107	37,893	0.99	37,611
Total						\$332,457	\$273,345	\$59,112		\$58,725

(3) and (5) are from Exhibit PR -2.

(7) to 2020/21 is from Exhibit PR -11. The amount for 2021/22 is from Exhibit PR -10.

(10) is based on a 1% interest rate and the payout pattern in Exhibit PR -2.



CITY OF SCOTTSDALE, ARIZONA
PROPERTY

Exhibit PR -13

Projected Losses Paid July 1, 2022 to June 30, 2023

Claim Period (1)	Months of Development 6/30/22 (2)	Percent Losses Paid (3)	Months of Development 6/30/23 (4)	Percent Losses Paid (5)	Percent Outstanding Losses Paid 7/1/22 to 6/30/23 [(5)-(3)]/[100.0%-(3)] (6)	Estimated Outstanding Losses 6/30/22 (7)	Projected Losses Paid (6)X(7) (8)	Estimated Outstanding Losses 6/30/23 (7)-(8) (9)	Present Value Factor (10)	Present Value of Estimated Outstanding Losses 6/30/23 (9)X(10) (11)
to 2001/02	252.0	100.0%	264.0	100.0%	100.0%	\$0	\$0	\$0	1.00	\$0
2002/03	240.0	100.0%	252.0	100.0%	100.0%	0	0	0	1.00	0
2003/04	228.0	100.0%	240.0	100.0%	100.0%	0	0	0	1.00	0
2004/05	216.0	100.0%	228.0	100.0%	100.0%	0	0	0	1.00	0
2005/06	204.0	100.0%	216.0	100.0%	100.0%	0	0	0	1.00	0
2006/07	192.0	100.0%	204.0	100.0%	100.0%	0	0	0	1.00	0
2007/08	180.0	100.0%	192.0	100.0%	100.0%	0	0	0	1.00	0
2008/09	168.0	100.0%	180.0	100.0%	100.0%	0	0	0	1.00	0
2009/10	156.0	100.0%	168.0	100.0%	100.0%	0	0	0	1.00	0
2010/11	144.0	100.0%	156.0	100.0%	100.0%	0	0	0	1.00	0
2011/12	132.0	100.0%	144.0	100.0%	100.0%	0	0	0	1.00	0
2012/13	120.0	100.0%	132.0	100.0%	100.0%	0	0	0	1.00	0
2013/14	108.0	100.0%	120.0	100.0%	100.0%	0	0	0	1.00	0
2014/15	96.0	100.0%	108.0	100.0%	100.0%	0	0	0	1.00	0
2015/16	84.0	100.0%	96.0	100.0%	100.0%	0	0	0	1.00	0
2016/17	72.0	100.0%	84.0	100.0%	100.0%	0	0	0	1.00	0
2017/18	60.0	100.0%	72.0	100.0%	100.0%	0	0	0	1.00	0
2018/19	48.0	100.0%	60.0	100.0%	100.0%	0	0	0	1.00	0
2019/20	36.0	100.0%	48.0	100.0%	100.0%	0	0	0	1.00	0
2020/21	24.0	95.2%	36.0	100.0%	100.0%	21,219	21,219	0	1.00	0
2021/22	12.0	81.1%	24.0	95.2%	74.9%	37,893	28,369	9,524	1.00	9,477
2022/23	0.0	0.0%	12.0	81.1%	81.1%	206,000	166,971	39,029	0.99	38,739
Total						\$265,112	\$216,559	\$48,553		\$48,216

(3) and (5) are from Exhibit PR -2.

(7) to 2021/22 is from Exhibit PR -12, (9). The amount for 2022/23 is from Exhibit PR -10.

(10) is based on a 1% interest rate and the payout pattern in Exhibit PR -2.



CITY OF SCOTTSDALE, ARIZONA
PROPERTY

Exhibit PR -14

Projected Losses Paid July 1, 2023 to June 30, 2024

Claim Period (1)	Months of Development 6/30/23 (2)	Percent Losses Paid (3)	Months of Development 6/30/24 (4)	Percent Losses Paid (5)	Percent Outstanding Losses Paid 7/1/23 to 6/30/24 [(5)-(3)]/ [100.0%-(3)] (6)	Estimated Outstanding Losses 6/30/23 (7)	Projected Losses Paid (6)X(7) (8)	Estimated Outstanding Losses 6/30/24 (7)-(8) (9)	Present Value Factor (10)	Present Value of Estimated Outstanding Losses 6/30/24 (9)X(10) (11)
to 2001/02	264.0	100.0%	276.0	100.0%	100.0%	\$0	\$0	\$0	1.00	\$0
2002/03	252.0	100.0%	264.0	100.0%	100.0%	0	0	0	1.00	0
2003/04	240.0	100.0%	252.0	100.0%	100.0%	0	0	0	1.00	0
2004/05	228.0	100.0%	240.0	100.0%	100.0%	0	0	0	1.00	0
2005/06	216.0	100.0%	228.0	100.0%	100.0%	0	0	0	1.00	0
2006/07	204.0	100.0%	216.0	100.0%	100.0%	0	0	0	1.00	0
2007/08	192.0	100.0%	204.0	100.0%	100.0%	0	0	0	1.00	0
2008/09	180.0	100.0%	192.0	100.0%	100.0%	0	0	0	1.00	0
2009/10	168.0	100.0%	180.0	100.0%	100.0%	0	0	0	1.00	0
2010/11	156.0	100.0%	168.0	100.0%	100.0%	0	0	0	1.00	0
2011/12	144.0	100.0%	156.0	100.0%	100.0%	0	0	0	1.00	0
2012/13	132.0	100.0%	144.0	100.0%	100.0%	0	0	0	1.00	0
2013/14	120.0	100.0%	132.0	100.0%	100.0%	0	0	0	1.00	0
2014/15	108.0	100.0%	120.0	100.0%	100.0%	0	0	0	1.00	0
2015/16	96.0	100.0%	108.0	100.0%	100.0%	0	0	0	1.00	0
2016/17	84.0	100.0%	96.0	100.0%	100.0%	0	0	0	1.00	0
2017/18	72.0	100.0%	84.0	100.0%	100.0%	0	0	0	1.00	0
2018/19	60.0	100.0%	72.0	100.0%	100.0%	0	0	0	1.00	0
2019/20	48.0	100.0%	60.0	100.0%	100.0%	0	0	0	1.00	0
2020/21	36.0	100.0%	48.0	100.0%	100.0%	0	0	0	1.00	0
2021/22	24.0	95.2%	36.0	100.0%	100.0%	9,524	9,524	0	1.00	0
2022/23	12.0	81.1%	24.0	95.2%	74.9%	39,029	29,220	9,809	1.00	9,760
2023/24	0.0	0.0%	12.0	81.1%	81.1%	213,000	172,644	40,356	0.99	40,056
Total						\$261,553	\$211,388	\$50,165		\$49,816

(3) and (5) are from Exhibit PR -2.

(7) to 2022/23 is from Exhibit PR -13, (9). The amount for 2023/24 is from Exhibit PR -10.

(10) is based on a 1% interest rate and the payout pattern in Exhibit PR -2.



CITY OF SCOTTSDALE, ARIZONA
PROPERTY

Exhibit PR -15

Projected Losses Paid July 1, 2024 to June 30, 2025

Claim Period (1)	Months of Development 6/30/24 (2)	Percent Losses Paid (3)	Months of Development 6/30/25 (4)	Percent Losses Paid (5)	Percent Outstanding Losses Paid 7/1/24 to 6/30/25 [(5)-(3)]/ [100.0%-(3)] (6)	Estimated Outstanding Losses 6/30/24 (7)	Projected Losses Paid (6)X(7) (8)	Estimated Outstanding Losses 6/30/25 (7)-(8) (9)	Present Value Factor (10)	Present Value of Estimated Outstanding Losses 6/30/25 (9)X(10) (11)
to 2001/02	276.0	100.0%	288.0	100.0%	100.0%	\$0	\$0	\$0	1.00	\$0
2002/03	264.0	100.0%	276.0	100.0%	100.0%	0	0	0	1.00	0
2003/04	252.0	100.0%	264.0	100.0%	100.0%	0	0	0	1.00	0
2004/05	240.0	100.0%	252.0	100.0%	100.0%	0	0	0	1.00	0
2005/06	228.0	100.0%	240.0	100.0%	100.0%	0	0	0	1.00	0
2006/07	216.0	100.0%	228.0	100.0%	100.0%	0	0	0	1.00	0
2007/08	204.0	100.0%	216.0	100.0%	100.0%	0	0	0	1.00	0
2008/09	192.0	100.0%	204.0	100.0%	100.0%	0	0	0	1.00	0
2009/10	180.0	100.0%	192.0	100.0%	100.0%	0	0	0	1.00	0
2010/11	168.0	100.0%	180.0	100.0%	100.0%	0	0	0	1.00	0
2011/12	156.0	100.0%	168.0	100.0%	100.0%	0	0	0	1.00	0
2012/13	144.0	100.0%	156.0	100.0%	100.0%	0	0	0	1.00	0
2013/14	132.0	100.0%	144.0	100.0%	100.0%	0	0	0	1.00	0
2014/15	120.0	100.0%	132.0	100.0%	100.0%	0	0	0	1.00	0
2015/16	108.0	100.0%	120.0	100.0%	100.0%	0	0	0	1.00	0
2016/17	96.0	100.0%	108.0	100.0%	100.0%	0	0	0	1.00	0
2017/18	84.0	100.0%	96.0	100.0%	100.0%	0	0	0	1.00	0
2018/19	72.0	100.0%	84.0	100.0%	100.0%	0	0	0	1.00	0
2019/20	60.0	100.0%	72.0	100.0%	100.0%	0	0	0	1.00	0
2020/21	48.0	100.0%	60.0	100.0%	100.0%	0	0	0	1.00	0
2021/22	36.0	100.0%	48.0	100.0%	100.0%	0	0	0	1.00	0
2022/23	24.0	95.2%	36.0	100.0%	100.0%	9,809	9,809	0	1.00	0
2023/24	12.0	81.1%	24.0	95.2%	74.9%	40,356	30,213	10,143	1.00	10,093
2024/25	0.0	0.0%	12.0	81.1%	81.1%	219,000	177,508	41,492	0.99	41,183
Total						\$269,165	\$217,530	\$51,635		\$51,276

(3) and (5) are from Exhibit PR -2.

(7) to 2023/24 is from Exhibit PR -14, (9). The amount for 2024/25 is from Exhibit PR -10.

(10) is based on a 1% interest rate and the payout pattern in Exhibit PR -2.



CITY OF SCOTTSDALE, ARIZONA
PROPERTY

Exhibit PR -16

Projected Losses Paid July 1, 2025 to June 30, 2026

Claim Period (1)	Months of Development 6/30/25 (2)	Percent Losses Paid (3)	Months of Development 6/30/26 (4)	Percent Losses Paid (5)	Percent Outstanding Losses Paid 7/1/25 to 6/30/26 [(5)-(3)]/ [100.0%-(3)] (6)	Estimated Outstanding Losses 6/30/25 (7)	Projected Losses Paid (6)X(7) (8)	Estimated Outstanding Losses 6/30/26 (7)-(8) (9)	Present Value Factor (10)	Present Value of Estimated Outstanding Losses 6/30/26 (9)X(10) (11)
to 2001/02	288.0	100.0%	300.0	100.0%	100.0%	\$0	\$0	\$0	1.00	\$0
2002/03	276.0	100.0%	288.0	100.0%	100.0%	0	0	0	1.00	0
2003/04	264.0	100.0%	276.0	100.0%	100.0%	0	0	0	1.00	0
2004/05	252.0	100.0%	264.0	100.0%	100.0%	0	0	0	1.00	0
2005/06	240.0	100.0%	252.0	100.0%	100.0%	0	0	0	1.00	0
2006/07	228.0	100.0%	240.0	100.0%	100.0%	0	0	0	1.00	0
2007/08	216.0	100.0%	228.0	100.0%	100.0%	0	0	0	1.00	0
2008/09	204.0	100.0%	216.0	100.0%	100.0%	0	0	0	1.00	0
2009/10	192.0	100.0%	204.0	100.0%	100.0%	0	0	0	1.00	0
2010/11	180.0	100.0%	192.0	100.0%	100.0%	0	0	0	1.00	0
2011/12	168.0	100.0%	180.0	100.0%	100.0%	0	0	0	1.00	0
2012/13	156.0	100.0%	168.0	100.0%	100.0%	0	0	0	1.00	0
2013/14	144.0	100.0%	156.0	100.0%	100.0%	0	0	0	1.00	0
2014/15	132.0	100.0%	144.0	100.0%	100.0%	0	0	0	1.00	0
2015/16	120.0	100.0%	132.0	100.0%	100.0%	0	0	0	1.00	0
2016/17	108.0	100.0%	120.0	100.0%	100.0%	0	0	0	1.00	0
2017/18	96.0	100.0%	108.0	100.0%	100.0%	0	0	0	1.00	0
2018/19	84.0	100.0%	96.0	100.0%	100.0%	0	0	0	1.00	0
2019/20	72.0	100.0%	84.0	100.0%	100.0%	0	0	0	1.00	0
2020/21	60.0	100.0%	72.0	100.0%	100.0%	0	0	0	1.00	0
2021/22	48.0	100.0%	60.0	100.0%	100.0%	0	0	0	1.00	0
2022/23	36.0	100.0%	48.0	100.0%	100.0%	0	0	0	1.00	0
2023/24	24.0	95.2%	36.0	100.0%	100.0%	10,143	10,143	0	1.00	0
2024/25	12.0	81.1%	24.0	95.2%	74.9%	41,492	31,064	10,428	1.00	10,376
2026/27	0.0	0.0%	12.0	81.1%	81.1%	233,000	188,855	44,145	0.99	43,817
Total						\$284,635	\$230,062	\$54,573		\$54,193

(3) and (5) are from Exhibit PR -2.

(7) to 2024/25 is from Exhibit PR -15, (9). The amount for 2026/27 is from Exhibit PR -10.

(10) is based on a 1% interest rate and the payout pattern in Exhibit PR -2.



CITY OF SCOTTSDALE, ARIZONA
PROPERTY

Exhibit PR -1

Projected Losses Paid July 1, 2026 to June 30, 2027

Claim Period (1)	Months of Development 6/30/26 (2)	Percent Losses Paid (3)	Months of Development 6/30/26 (4)	Percent Losses Paid (5)	Percent Outstanding Losses Paid 7/1/26 to 6/30/27 [(5)-(3)]/[100.0%-(3)] (6)	Estimated Outstanding Losses 6/30/26 (7)	Projected Losses Paid (6)X(7) (8)	Estimated Outstanding Losses 6/30/27 (7)-(8) (9)	Present Value Factor (10)	Present Value of Estimated Outstanding Losses 6/30/27 (9)X(10) (11)
to 2001/02	300.0	100.0%	312.0	100.0%	100.0%	\$0	\$0	\$0	1.00	\$0
2002/03	288.0	100.0%	300.0	100.0%	100.0%	0	0	0	1.00	0
2003/04	276.0	100.0%	288.0	100.0%	100.0%	0	0	0	1.00	0
2004/05	264.0	100.0%	276.0	100.0%	100.0%	0	0	0	1.00	0
2005/06	252.0	100.0%	264.0	100.0%	100.0%	0	0	0	1.00	0
2006/07	240.0	100.0%	252.0	100.0%	100.0%	0	0	0	1.00	0
2007/08	228.0	100.0%	240.0	100.0%	100.0%	0	0	0	1.00	0
2008/09	216.0	100.0%	228.0	100.0%	100.0%	0	0	0	1.00	0
2009/10	204.0	100.0%	216.0	100.0%	100.0%	0	0	0	1.00	0
2010/11	192.0	100.0%	204.0	100.0%	100.0%	0	0	0	1.00	0
2011/12	180.0	100.0%	192.0	100.0%	100.0%	0	0	0	1.00	0
2012/13	168.0	100.0%	180.0	100.0%	100.0%	0	0	0	1.00	0
2013/14	156.0	100.0%	168.0	100.0%	100.0%	0	0	0	1.00	0
2014/15	144.0	100.0%	156.0	100.0%	100.0%	0	0	0	1.00	0
2015/16	132.0	100.0%	144.0	100.0%	100.0%	0	0	0	1.00	0
2016/17	120.0	100.0%	132.0	100.0%	100.0%	0	0	0	1.00	0
2017/18	108.0	100.0%	120.0	100.0%	100.0%	0	0	0	1.00	0
2018/19	96.0	100.0%	108.0	100.0%	100.0%	0	0	0	1.00	0
2019/20	84.0	100.0%	96.0	100.0%	100.0%	0	0	0	1.00	0
2020/21	72.0	100.0%	84.0	100.0%	100.0%	0	0	0	1.00	0
2021/22	60.0	100.0%	72.0	100.0%	100.0%	0	0	0	1.00	0
2022/23	48.0	100.0%	60.0	100.0%	100.0%	0	0	0	1.00	0
2023/24	36.0	100.0%	48.0	100.0%	100.0%	0	0	0	1.00	0
2024/25	24.0	95.2%	36.0	100.0%	100.0%	10,428	10,428	0	1.00	0
2026/27	12.0	81.1%	24.0	95.2%	74.9%	44,145	33,050	11,095	1.00	11,040
2026/27	0.0	0.0%	12.0	81.1%	81.1%	233,000	188,855	44,145	0.99	43,817
Total						\$287,573	\$232,333	\$55,240		\$54,857

(3) and (5) are from Exhibit PR -2.

(7) to 2024/25 is from Exhibit PR -16, (9). The amount for 2025/26 is from Exhibit PR -10.

(10) is based on a 1% interest rate and the payout pattern in Exhibit PR -2.





CITY OF SCOTTSDALE, ARIZONA
PROPERTY

Exhibit PR -18

Projected Ultimate Claims for 2021/22 and Subsequent

Claim Period (1)	Projected Ultimate Claims (2)	Property Values (000) (3)	Projected Ultimate Claims per \$1M of Property Values (2)/(3)X1,000 (4)
2011/12	14	\$797,732	0.02
2012/13	13	814,849	0.02
2013/14	16	797,370	0.02
2014/15	21	851,242	0.02
2015/16	30	850,885	0.04
2016/17	18	814,532	0.02
2017/18	21	810,206	0.03
2018/19	29	805,712	0.04
2019/20	46	986,294	0.05
2020/21	36	996,157	0.04
Total	244	\$8,524,980	0.03

Claim Period (1)	Projected Ultimate Claims per \$1M of Property Values (5)	Projected Property Values (000) (6)	Projected Ultimate Claims (5)X(6)/1,000 (7)
2021/22	0.03	\$1,006,119	28
2022/23	0.03	1,016,180	28
2023/24	0.03	1,026,342	29
2024/25	0.03	1,036,605	29
2025/26	0.03	1,046,971	29
2026/27	0.03	1,057,441	30

(2) and (7) exclude claims with \$0 incurred.

(2) is from Exhibit PR -8.

(3) and (6) are from Exhibit PR -10.

(5) is based on (4) and actuarial judgment.



Loss Rate and Severity Trend

I. Benefit Level Changes

Effective Date (1)	Benefit Level Change (2)	Cumulative Benefit Level Change (3)
10/01/11	1.002	1.002
01/01/12	1.005	1.007
10/01/12	1.004	1.011
01/01/13	1.004	1.015
10/01/13	1.019	1.034
01/01/14	1.002	1.036
10/01/14	1.001	1.037
01/01/15	1.002	1.040
10/01/15	1.011	1.051
01/01/16	1.002	1.053
10/01/16	0.982	1.034
01/01/17	1.002	1.036
10/01/17	1.004	1.040
01/01/18	1.002	1.042
01/01/19	1.002	1.045

II. Loss Rate and Severity Trend

Claim Period (1)	Benefit Trend (2021/22 = 1.000) (2)	Residual Trend (2021/22 = 1.000) (3)	Retention Index (2021/22 = 1.000) (4)	Loss Rate Trend (2021/22 = 1.000) (2)X(3)X(4) (5)	Wage Trend (2021/22 = 1.000) (6)	Severity Trend (2021/22 = 1.000) (5)X(6) (7)
2011/12	1.000	1.219	1.000	1.219	1.000	1.219
2012/13	1.000	1.195	1.000	1.195	1.000	1.195
2013/14	1.000	1.172	1.000	1.172	1.000	1.172
2014/15	1.000	1.149	1.000	1.149	1.000	1.149
2015/16	1.000	1.126	1.000	1.126	1.000	1.126
2016/17	1.000	1.104	1.000	1.104	1.000	1.104
2017/18	1.000	1.082	1.000	1.082	1.000	1.082
2018/19	1.000	1.061	1.000	1.061	1.000	1.061
2019/20	1.000	1.040	1.000	1.040	1.000	1.040
2020/21	1.000	1.020	1.000	1.020	1.000	1.020
2021/22	1.000	1.000	1.000	1.000	1.000	1.000
2022/23	1.000	0.980	1.000	0.980	1.000	0.980
2023/24	1.000	0.961	1.000	0.961	1.000	0.961
2024/25	1.000	0.942	1.000	0.942	1.000	0.942
2025/26	1.000	0.924	1.000	0.924	1.000	0.924
2026/27	1.000	0.906	1.000	0.906	1.000	0.906

Section I, (2) and (3) reflect data published by the NCCI.

Section II, (2) is based on Section I, (2).

Section II, (3) is based on 2% trend per actuarial judgment.

Section II, (4) is based on industry statistics and actuarial judgment.

Section II, (6) is based on 0% trend.



CITY OF SCOTTSDALE, ARIZONA
PROPERTY

Exhibit PR -19

List of Large Claims
Reported Incurred Losses Greater Than \$25,000

Claim Number (1)	Date of Loss (2)	Claim Period (3)	Specific Self-Insured Retention (4)	Unlimited Paid Losses 6/30/21 (5)	Unlimited Case Reserves 6/30/21 (6)	Unlimited Reported Incurred Losses 6/30/21 (7)
GC959609-PR-008	09/28/95	to 2001/02	\$50,000	\$26,462	\$0	\$26,462
GC959609-PR-005	09/28/95	to 2001/02	50,000	63,830	0	63,830
GC959612-PR-033	12/28/95	to 2001/02	50,000	33,511	0	33,511
GC979803-PR-023	03/25/98	to 2001/02	50,000	26,322	0	26,322
989904-PR-014	04/06/99	to 2001/02	50,000	28,962	0	28,962
000107-PR-002	07/21/00	to 2001/02	50,000	28,402	0	28,402
040502-PR-015	02/10/05	2004/05	100,000	130,310	0	130,310
060710-PR-016	10/31/06	2006/07	100,000	25,839	0	25,839
060712-PR-023	12/30/06	2006/07	100,000	54,081	0	54,081
070807-PR-005	07/16/07	2007/08	100,000	121,642	0	121,642
091001-PR-080	01/21/10	2009/10	100,000	90,693	0	90,693
091006-PR-119	06/15/10	2009/10	100,000	65,336	0	65,336
101102-PR-050	02/10/11	2010/11	100,000	38,457	0	38,457
121308-PR-016	08/23/12	2012/13	100,000	35,470	0	35,470
131405-PR-087	05/17/14	2013/14	100,000	38,577	0	38,577
141508-PR-004	08/03/14	2014/15	100,000	28,718	0	28,718
161709-PR-136	09/22/16	2016/17	100,000	194,975	0	194,975
171809-PR-071	09/01/17	2017/18	100,000	39,989	0	39,989
171810-PR-027	10/24/17	2017/18	100,000	34,737	0	34,737
181908-PR-030	08/07/18	2018/19	100,000	44,865	0	44,865
181908-PR-024	08/19/18	2018/19	100,000	42,020	0	42,020
181910-PR-047	10/17/18	2018/19	100,000	27,829	0	27,829
181912-PR-143	12/10/18	2018/19	100,000	37,637	0	37,637
181912-PR-074	12/29/18	2018/19	100,000	69,157	0	69,157
192009-PR-017	09/17/19	2019/20	100,000	100,467 *	0	100,467 *
192009-PR-019	09/23/19	2019/20	100,000	100,000 *	0	100,000 *
202107-PR-008	07/31/20	2020/21	100,000	28,195	0	28,195
202108-PR-010	08/16/20	2020/21	100,000	26,432	0	26,432
202108-PR-020	08/20/20	2020/21	100,000	28,570	0	28,570
202108-PR-012	08/20/20	2020/21	100,000	71,540	0	71,540
202101-PR-058	01/16/21	2020/21	100,000	42,415	7,585	50,000

The claim(s) indicated by a "*" have been limited in development.

Amounts are gross of excess insurance and net of other recoveries.

(1) through (7) were provided by the City.



Size of Loss Distribution

I. Reported Claim Count

Claim Size (1)	Prior (2)	2016/17 (3)	2017/18 (4)	2018/19 (5)	2019/20 (6)	2020/21 (7)	Total (2)...(7) (8)	Non-Zero Claim Cumulative Total (9)	Non-Zero Claim Cumulative % of Total (10)
0	0	0	0	0	0	0	0		
0.01 - 5,000	351	10	14	12	32	18	437	437	72.4%
5,000 - 10,000	64	5	4	7	4	6	90	527	87.3%
10,000 - 25,000	29	2	1	5	7	2	46	573	94.9%
25,000 - 50,000	10	0	2	4	0	4	20	593	98.2%
50,000 - 100,000	4	0	0	1	1	1	7	600	99.3%
100,000 - 250,000	2	1	0	0	1	0	4	604	100.0%
250,000 - 500,000	0	0	0	0	0	0	0	604	100.0%
500,000 - 750,000	0	0	0	0	0	0	0	604	100.0%
750,000 - 1,000,000	0	0	0	0	0	0	0	604	100.0%
Over 1,000,000	0	0	0	0	0	0	0	604	100.0%
Total	460	18	21	29	45	31	604	604	

II. Total Reported Incurred Losses

Claim Size (1)	Prior (2)	2016/17 (3)	2017/18 (4)	2018/19 (5)	2019/20 (6)	2020/21 (7)	Total (2)...(7) (8)	Non-Zero Claim Cumulative Total (9)	Non-Zero Claim Cumulative % of Total (10)
0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
0.01 - 5,000	760,492	19,504	21,352	27,034	69,717	43,989	942,089	942,089	23.7%
5,000 - 10,000	425,762	32,891	21,897	43,066	22,426	49,471	595,512	1,537,601	38.7%
10,000 - 25,000	462,376	34,665	16,029	68,128	93,345	30,382	704,925	2,242,526	56.4%
25,000 - 50,000	310,721	0	74,726	152,351	0	133,197	670,995	2,913,521	73.3%
50,000 - 100,000	273,939	0	0	69,157	100,000	71,540	514,637	3,428,157	86.2%
100,000 - 250,000	251,952	194,975	0	0	100,467	0	547,394	3,975,551	100.0%
250,000 - 500,000	0	0	0	0	0	0	0	3,975,551	100.0%
500,000 - 750,000	0	0	0	0	0	0	0	3,975,551	100.0%
750,000 - 1,000,000	0	0	0	0	0	0	0	3,975,551	100.0%
Over 1,000,000	0	0	0	0	0	0	0	3,975,551	100.0%
Total	\$2,485,243	\$282,035	\$134,003	\$359,736	\$385,954	\$328,580	\$3,975,551	\$3,975,551	

Amounts are gross of excess insurance and other recoveries.

Data was provided by the City.

Scottsdale_04PR_063021.xlsx



CITY OF SCOTTSDALE, ARIZONA
AUTOMOBILE PHYSICAL DAMAGE

Exhibit APD-1

Data Summary as of June 30, 2021
Unlimited Losses

Claim Period (1)	Specific Self-Insured Retention (2)	Aggregate Retention (3)	Months of Development 6/30/21 (4)	Vehicles (5)	Reported Claims 6/30/21 (6)	Open Claims 6/30/21 (7)	Unlimited Paid Losses 6/30/21 (8)	Unlimited Case Reserves 6/30/21 (9)	Unlimited Reported Incurred Losses 6/30/21 (10)
to 2001/02	See Note	None	240.0	Not Provided	911	0	\$1,178,849	\$0	\$1,178,849
2002/03	Unlimited	None	228.0	785	108	0	109,187	0	109,187
2003/04	Unlimited	None	216.0	781	119	0	98,301	0	98,301
2004/05	Unlimited	None	204.0	805	137	0	145,016	0	145,016
2005/06	Unlimited	None	192.0	893	151	0	180,690	0	180,690
2006/07	Unlimited	None	180.0	1,251	116	0	149,976	0	149,976
2007/08	Unlimited	None	168.0	1,336	152	0	243,392	0	243,392
2008/09	Unlimited	None	156.0	1,206	153	0	194,931	0	194,931
2009/10	Unlimited	None	144.0	1,188	170	0	166,376	0	166,376
2010/11	Unlimited	None	132.0	1,180	207	0	257,465	0	257,465
2011/12	Unlimited	None	120.0	929	174	0	262,590	0	262,590
2012/13	Unlimited	None	108.0	934	95	0	127,402	0	127,402
2013/14	Unlimited	None	96.0	933	56	0	207,362	0	207,362
2014/15	Unlimited	None	84.0	956	85	0	139,086	0	139,086
2015/16	Unlimited	None	72.0	926	107	0	258,827	0	258,827
2016/17	Unlimited	None	60.0	962	124	0	242,646	0	242,646
2017/18	Unlimited	None	48.0	1,067	116	0	327,889	0	327,889
2018/19	Unlimited	None	36.0	957	122	0	334,007	0	334,007
2019/20	Unlimited	None	24.0	950	102	3	380,669	25,425	406,094
2020/21	Unlimited	None	12.0	960	136	46	205,624	133,805	339,429
Total					3,341	49	\$5,210,286	\$159,230	\$5,369,515

* The specific self-insured retention changes are as follows:

Effective Date	Retention
07/01/82	Unlimited

(6) and (7) exclude claims with \$0 incurred.

(8), (9) and (10) are net of the specific self-insured retention and other recoveries.

Data was provided by the City.



CITY OF SCOTTSDALE, ARIZONA
AUTOMOBILE PHYSICAL DAMAGE

Data Summary as of June 30, 2021
Net Unlimited Losses

Claim Period (1)	Specific Self-Insured Retention (2)	Aggregate Retention (3)	Months of Development 6/30/21 (4)	Vehicles (5)	Reported Claims 6/30/21 (6)	Open Claims 6/30/21 (7)	Net Unlimited Paid Losses 6/30/21 (8)	Net Unlimited Case Reserves 6/30/21 (9)	Net Unlimited Reported Incurred Losses 6/30/21 (10)
to 2001/02	Unlimited	None	240.0	Not Provided	911	0	\$1,178,849	\$0	\$1,178,849
2002/03	Unlimited	None	228.0	785	108	0	109,187	0	109,187
2003/04	Unlimited	None	216.0	781	119	0	98,301	0	98,301
2004/05	Unlimited	None	204.0	805	137	0	145,016	0	145,016
2005/06	Unlimited	None	192.0	893	151	0	180,690	0	180,690
2006/07	Unlimited	None	180.0	1,251	116	0	149,976	0	149,976
2007/08	Unlimited	None	168.0	1,336	152	0	243,392	0	243,392
2008/09	Unlimited	None	156.0	1,206	153	0	194,931	0	194,931
2009/10	Unlimited	None	144.0	1,188	170	0	166,376	0	166,376
2010/11	Unlimited	None	132.0	1,180	207	0	257,465	0	257,465
2011/12	Unlimited	None	120.0	929	174	0	262,590	0	262,590
2012/13	Unlimited	None	108.0	934	95	0	127,402	0	127,402
2013/14	Unlimited	None	96.0	933	56	0	207,362	0	207,362
2014/15	Unlimited	None	84.0	956	85	0	139,086	0	139,086
2015/16	Unlimited	None	72.0	926	107	0	258,827	0	258,827
2016/17	Unlimited	None	60.0	962	124	0	242,646	0	242,646
2017/18	Unlimited	None	48.0	1,067	116	0	327,889	0	327,889
2018/19	Unlimited	None	36.0	957	122	0	334,007	0	334,007
2019/20	Unlimited	None	24.0	950	102	3	380,669	25,425	406,094
2020/21	Unlimited	None	12.0	960	136	46	205,624	133,805	339,429
Total					3,341	49	\$5,210,286	\$159,230	\$5,369,515

(6) and (7) exclude claims with \$0 incurred.

(8), (9) and (10) are gross of the specific self-insured retention and net of other recoveries.

Data was provided by the City.



CITY OF SCOTTSDALE, ARIZONA
AUTOMOBILE PHYSICAL DAMAGE

Data Summary as of June 30, 2021
Gross Unlimited Losses

Claim Period (1)	Specific Self-Insured Retention (2)	Aggregate Retention (3)	Months of Development 6/30/21 (4)	Vehicles (5)	Reported Claims 6/30/21 (6)	Open Claims 6/30/21 (7)	Gross Unlimited Paid Losses 6/30/21 (8)	Gross Unlimited Case Reserves 6/30/21 (9)	Gross Unlimited Reported Incurred Losses 6/30/21 (10)
to 2001/02	Unlimited	None	240.0	Not Provided	911	0	\$1,484,581	\$0	\$1,484,581
2002/03	Unlimited	None	228.0	785	108	0	138,801	0	138,801
2003/04	Unlimited	None	216.0	781	119	0	162,101	0	162,101
2004/05	Unlimited	None	204.0	805	137	0	211,722	0	211,722
2005/06	Unlimited	None	192.0	893	151	0	230,742	0	230,742
2006/07	Unlimited	None	180.0	1,251	116	0	187,349	0	187,349
2007/08	Unlimited	None	168.0	1,336	152	0	315,721	0	315,721
2008/09	Unlimited	None	156.0	1,206	153	0	233,302	0	233,302
2009/10	Unlimited	None	144.0	1,188	170	0	218,134	0	218,134
2010/11	Unlimited	None	132.0	1,180	207	0	303,122	0	303,122
2011/12	Unlimited	None	120.0	929	174	0	339,114	0	339,114
2012/13	Unlimited	None	108.0	934	95	0	130,782	0	130,782
2013/14	Unlimited	None	96.0	933	56	0	249,904	0	249,904
2014/15	Unlimited	None	84.0	956	85	0	184,047	0	184,047
2015/16	Unlimited	None	72.0	926	107	0	413,123	0	413,123
2016/17	Unlimited	None	60.0	962	124	0	304,206	0	304,206
2017/18	Unlimited	None	48.0	1,067	116	0	605,775	0	605,775
2018/19	Unlimited	None	36.0	957	122	0	484,450	0	484,450
2019/20	Unlimited	None	24.0	950	102	3	453,806	25,425	479,231
2020/21	Unlimited	None	12.0	960	136	46	1,858,126	133,805	1,991,930
Total					3,341	49	\$8,508,907	\$159,230	\$8,668,137

(6) and (7) exclude claims with \$0 incurred.

(8), (9) and (10) are gross of the specific self-insured retention and other recoveries.

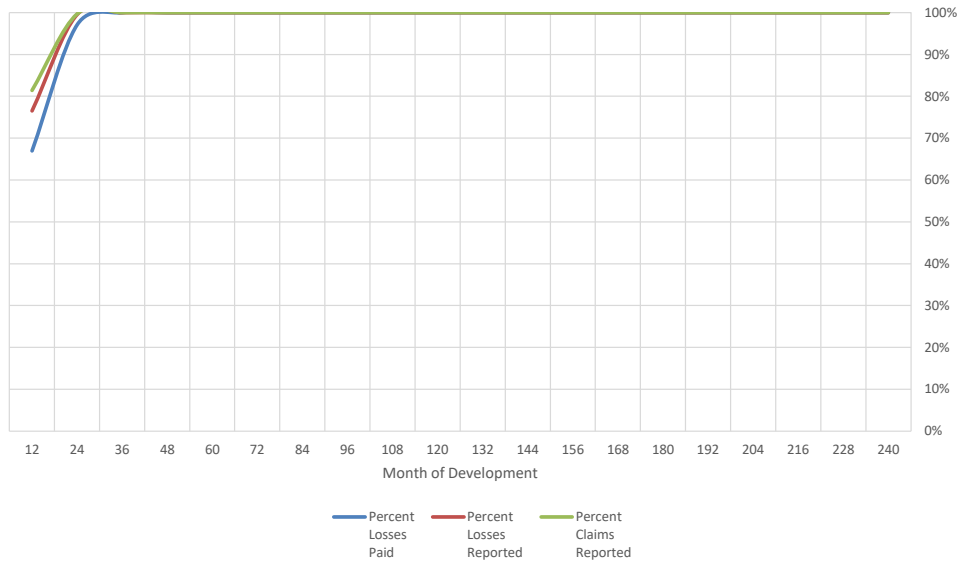
Data was provided by the City.



CITY OF SCOTTSDALE, ARIZONA
AUTOMOBILE PHYSICAL DAMAGE

Summary of Percent Losses Paid, Losses Reported and Claims Reported

Months of Development (1)	Percent Losses Paid (2)	Percent Losses Reported (3)	Percent Claims Reported (4)
360.0	100.0%	100.0%	100.0%
348.0	100.0%	100.0%	100.0%
336.0	100.0%	100.0%	100.0%
324.0	100.0%	100.0%	100.0%
312.0	100.0%	100.0%	100.0%
300.0	100.0%	100.0%	100.0%
288.0	100.0%	100.0%	100.0%
276.0	100.0%	100.0%	100.0%
264.0	100.0%	100.0%	100.0%
252.0	100.0%	100.0%	100.0%
240.0	100.0%	100.0%	100.0%
228.0	100.0%	100.0%	100.0%
216.0	100.0%	100.0%	100.0%
204.0	100.0%	100.0%	100.0%
192.0	100.0%	100.0%	100.0%
180.0	100.0%	100.0%	100.0%
168.0	100.0%	100.0%	100.0%
156.0	100.0%	100.0%	100.0%
144.0	100.0%	100.0%	100.0%
132.0	100.0%	100.0%	100.0%
120.0	100.0%	100.0%	100.0%
108.0	100.0%	100.0%	100.0%
96.0	100.0%	100.0%	100.0%
84.0	100.0%	100.0%	100.0%
72.0	100.0%	100.0%	100.0%
60.0	100.0%	100.0%	100.0%
48.0	100.0%	100.0%	100.0%
36.0	100.0%	100.0%	100.0%
24.0	97.1%	99.5%	99.7%
12.0	67.0%	76.5%	81.4%



(2) is from Exhibit APD-2 (page 2).

(3) is from Exhibit APD-2 (page 3).

(4) is from Exhibit APD-2 (page 4).



CITY OF SCOTTSDALE, ARIZONA
AUTOMOBILE PHYSICAL DAMAGE

Historical Unlimited Paid Losses (\$000) and Unlimited Paid Loss Development

I. Historical Unlimited Paid Losses (\$000)

Claim Period	Months of Development:																			
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204	216	228	240
to 2001/02																				
2002/03	85	110	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109
2003/04	77	86	66	66	66	66	66	66	98	98	98	98	98	98	98	98	98	98	98	98
2004/05	91	99	99	99	99	99	99	145	145	145	145	145	145	145	145	145	145	145	145	145
2005/06	144	142	144	144	144	144	144	181	181	181	181	181	181	181	181	181	181	181	181	181
2006/07	52	116	116	117	117	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150
2007/08	118	213	216	220	243	243	243	243	243	243	243	243	243	243	243	243	243	243	243	243
2008/09	107	133	165	195	195	195	195	195	195	195	195	195	195	195	195	195	195	195	195	195
2009/10	109	152	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166
2010/11	130	257	257	257	257	257	257	257	257	257	257	257	257	257	257	257	257	257	257	257
2011/12	156	316	263	263	263	263	263	263	263	263	263	263	263	263	263	263	263	263	263	263
2012/13	101	130	127	127	127	127	127	127	127	127	127	127	127	127	127	127	127	127	127	127
2013/14	108	144	207	207	207	207	207	207	207	207	207	207	207	207	207	207	207	207	207	207
2014/15	116	136	139	139	139	139	139	139	139	139	139	139	139	139	139	139	139	139	139	139
2015/16	204	265	259	259	259	259	259	259	259	259	259	259	259	259	259	259	259	259	259	259
2016/17	188	252	243	243	243	243	243	243	243	243	243	243	243	243	243	243	243	243	243	243
2017/18	227	328	328	328	328	328	328	328	328	328	328	328	328	328	328	328	328	328	328	328
2018/19	138	318	334	334	334	334	334	334	334	334	334	334	334	334	334	334	334	334	334	334
2019/20	286	381																		
2020/21	206																			

II. Unlimited Paid Loss Development

Claim Period	Months of Development:																			
	12-24	24-36	36-48	48-60	60-72	72-84	84-96	96-108	108-120	120-132	132-144	144-156	156-168	168-180	180-192	192-204	204-216	216-228	228-240	240-Ult
to 2001/02																				
2002/03	1.294	0.992	1.000	1.000	1.000	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	1.000
2003/04	1.109	0.771	1.000	0.999	1.000	1.000	1.000	1.490	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2004/05	1.093	1.001	1.000	1.000	1.000	1.000	1.458	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2005/06	0.982	1.017	1.000	0.999	0.998	1.257	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2006/07	2.244	1.001	1.007	1.000	1.286	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2007/08	1.805	1.015	1.015	1.107	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2008/09	1.244	1.241	1.181	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2009/10	1.395	1.090	1.000	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
2010/11	1.975	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
2011/12	2.024	0.830	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2012/13	1.279	0.983	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2013/14	1.338	1.441	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2014/15	1.171	1.022	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2015/16	1.301	0.976	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2016/17	1.338	0.965	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2017/18	1.446	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999
2018/19	2.311	1.051																		
2019/20	1.331																			
2020/21																				
Average																				
All	1.482	1.023	1.013	1.007	1.020	1.020	1.038	1.045	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Wtd 3	1.578	1.008	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Last 3	1.696	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
Last 5	1.371	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
x-hi,low																				
Previous	1.450	1.030	1.000	1.000	1.000	1.000	1.000	1.000	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	1.450	1.030	1.000	1.000	1.000	1.000	1.000	1.000	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	1.494	1.030	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Percent	67.0%	97.1%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Amounts are unlimited (gross of excess insurance).

Data was provided by the City.



CITY OF SCOTTSDALE, ARIZONA
AUTOMOBILE PHYSICAL DAMAGE

Historical Unlimited Reported Incurred Losses (\$000) and Unlimited Reported Incurred Loss Development

I. Historical Unlimited Reported Incurred Losses (\$000)

Claim Period	Months of Development:																			
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204	216	228	240
to 2001/02																				
2002/03	172	114	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109
2003/04	111	101	66	66	66	66	66	66	98	98	98	98	98	98	98	98	98	98	98	109
2004/05	123	99	99	99	99	99	99	145	145	145	145	145	145	145	145	145	145	145	145	98
2005/06	268	172	144	144	144	144	144	181	181	181	181	181	181	181	181	181	181	181	181	98
2006/07	141	137	116	117	117	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150
2007/08	312	247	222	220	243	243	243	243	243	243	243	243	243	243	243	243	243	243	243	243
2008/09	169	142	165	195	195	195	195	195	195	195	195	195	195	195	195	195	195	195	195	195
2009/10	136	152	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166
2010/11	204	274	257	257	257	257	257	257	257	257	257	257	257	257	257	257	257	257	257	257
2011/12	191	317	263	263	263	263	263	263	263	263	263	263	263	263	263	263	263	263	263	263
2012/13	117	140	127	127	127	127	127	127	127	127	127	127	127	127	127	127	127	127	127	127
2013/14	288	144	207	207	207	207	207	207	207	207	207	207	207	207	207	207	207	207	207	207
2014/15	116	136	139	139	139	139	139	139	139	139	139	139	139	139	139	139	139	139	139	139
2015/16	209	269	262	259	259	259	259	259	259	259	259	259	259	259	259	259	259	259	259	259
2016/17	192	252	243	243	243	243	243	243	243	243	243	243	243	243	243	243	243	243	243	243
2017/18	257	328	328	328	328	328	328	328	328	328	328	328	328	328	328	328	328	328	328	328
2018/19	166	318	334	334	334	334	334	334	334	334	334	334	334	334	334	334	334	334	334	334
2019/20	341	406																		
2020/21	339																			

II. Unlimited Reported Incurred Loss Development

Claim Period	Months of Development:																			
	12-24	24-36	36-48	48-60	60-72	72-84	84-96	96-108	108-120	120-132	132-144	144-156	156-168	168-180	180-192	192-204	204-216	216-228	228-240	240-Ult
to 2001/02																				
2002/03	0.660	0.961	1.000	1.000	1.000	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	1.000
2003/04	0.911	0.656	1.000	0.999	1.000	1.000	1.000	1.490	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2004/05	0.806	1.001	1.000	1.000	1.000	1.000	1.458	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2005/06	0.644	0.837	1.000	0.999	0.998	1.257	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2006/07	0.970	0.846	1.007	1.000	1.286	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2007/08	0.791	0.901	0.989	1.107	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2008/09	0.842	1.162	1.178	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2009/10	1.116	1.090	1.000	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
2010/11	1.347	0.938	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
2011/12	1.658	0.831	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
2012/13	1.197	0.908	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2013/14	0.500	1.441	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2014/15	1.171	1.022	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2015/16	1.289	0.976	0.986	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2016/17	1.307	0.965	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2017/18	1.277	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	1.000	1.000	1.000
2018/19	1.920	1.051	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2019/20	1.193																			
2020/21																				
Average																				
All	1.089	0.976	1.010	1.007	1.020	1.020	1.038	1.045	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Wtd 3	1.379	1.008	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
Last 3	1.463	1.005	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
Last 5	1.291	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
x-hi,low																				
Previous	1.300	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
Selected	1.300	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
Cumulative	1.307	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
Percent	76.5%	99.5%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Amounts are unlimited (gross of excess insurance).

Data was provided by the City.

Historical Reported Claims and Reported Claim Development

I. Historical Reported Claims

Claim Period	Months of Development:																			
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204	216	228	240
to 2001/02																				
2002/03					96	96	96	108	108	108	108	108	108	108	108	108	108	108	108	108
2003/04				101	100	100	119	119	119	119	119	119	119	119	119	119	119	119	119	108
2004/05			114	114	114	136	136	137	137	137	137	137	137	137	137	137	137	137	137	119
2005/06		141	141	141	148	148	151	151	151	151	151	151	151	151	151	151	151	151	151	137
2006/07	132	113	109	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	108
2007/08	189	158	155	150	152	152	152	152	152	152	152	152	152	152	152	152	152	152	152	108
2008/09	145	159	154	153	153	153	153	153	153	153	153	153	153	153	153	153	153	153	153	108
2009/10	168	164	171	169	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	108
2010/11	200	217	206	206	207	207	207	207	207	207	207	207	207	207	207	207	207	207	207	108
2011/12	177	175	175	174	174	174	174	174	174	174	174	174	174	174	174	174	174	174	174	108
2012/13	87	98	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	108
2013/14	56	53	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	108
2014/15	71	82	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	108
2015/16	75	109	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	108
2016/17	98	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124	108
2017/18	94	115	115	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	108
2018/19	98	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	108
2019/20	80	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	108
2020/21	136																			108

II. Reported Claim Development

Claim Period	Months of Development:																			
	12-24	24-36	36-48	48-60	60-72	72-84	84-96	96-108	108-120	120-132	132-144	144-156	156-168	168-180	180-192	192-204	204-216	216-228	228-240	240-Ult
to 2001/02																				
2002/03					1.000	1.000	1.125	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2003/04				0.990	1.000	1.190	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2004/05			1.000	1.000	1.193	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
2005/06		1.000	1.000	1.050	1.000	1.020	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2006/07	0.856	0.965	1.064	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2007/08	0.836	0.981	0.968	1.013	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2008/09	1.097	0.969	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
2009/10	0.976	1.043	0.988	1.006	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2010/11	1.085	0.949	1.000	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
2011/12	0.989	1.000	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
2012/13	1.126	0.969	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2013/14	0.946	1.057	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2014/15	1.155	1.037	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2015/16	1.453	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
2016/17	1.265	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2017/18	1.223	1.000	1.009	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2018/19	1.245	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2019/20	1.275																			
2020/21																				
Average																				
All	1.109	0.996	1.001	1.005	1.014	1.016	1.011	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Wtd 3	1.246	1.000	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
Last 3	1.248	1.000	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
Last 5	1.262	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
x-hi,low																				
Previous	1.225	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
Selected	1.225	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
Cumulative	1.229	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
Percent	81.4%	99.7%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Data excludes claims with \$0 incurred.

Data was provided by the City.



CITY OF SCOTTSDALE, ARIZONA
AUTOMOBILE PHYSICAL DAMAGE

Historical Ratio of Unlimited Paid Losses and Unlimited Reported Incurred Losses

Claim Period	Months of Development:																			
	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204	216	228	240
to 2001/02																				
2002/03	49.4%	96.9%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
2003/04	69.9%	85.1%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
2004/05	73.8%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
2005/06	53.9%	82.3%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
2006/07	36.5%	84.5%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
2007/08	37.9%	86.4%	97.4%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
2008/09	63.2%	93.3%	99.7%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
2009/10	80.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
2010/11	63.9%	93.8%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
2011/12	81.7%	99.7%	99.7%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
2012/13	86.4%	92.4%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
2013/14	37.4%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
2014/15	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
2015/16	97.7%	98.7%	98.6%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
2016/17	97.7%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
2017/18	88.3%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
2018/19	83.1%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
2019/20	84.0%	93.7%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
2020/21	60.6%																			
Average																				
All	70.8%	94.8%	99.7%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Last 3	75.9%	97.9%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Last 5	85.1%	99.6%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
x-hi,low																				
Implicit	87.5%	97.6%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%



CITY OF SCOTTSDALE, ARIZONA
AUTOMOBILE PHYSICAL DAMAGE

Exhibit APD-3

Developed Unlimited Paid Losses

Claim Period (1)	Months of Development 6/30/21 (2)	Unlimited Paid Losses 6/30/21 (3)	Percent Losses Paid (4)	Developed Unlimited Paid Losses (3)/(4) (5)
to 2001/02	240.0	\$1,178,849	100.0%	\$1,178,849
2002/03	228.0	109,187	100.0%	109,187
2003/04	216.0	98,301	100.0%	98,301
2004/05	204.0	145,016	100.0%	145,016
2005/06	192.0	180,690	100.0%	180,690
2006/07	180.0	149,976	100.0%	149,976
2007/08	168.0	243,392	100.0%	243,392
2008/09	156.0	194,931	100.0%	194,931
2009/10	144.0	166,376	100.0%	166,376
2010/11	132.0	257,465	100.0%	257,465
2011/12	120.0	262,590	100.0%	262,590
2012/13	108.0	127,402	100.0%	127,402
2013/14	96.0	207,362	100.0%	207,362
2014/15	84.0	139,086	100.0%	139,086
2015/16	72.0	258,827	100.0%	258,827
2016/17	60.0	242,646	100.0%	242,646
2017/18	48.0	327,889	100.0%	327,889
2018/19	36.0	334,007	100.0%	334,007
2019/20	24.0	380,669	97.1%	392,089
2020/21	12.0	205,624	67.0%	307,099
Total		\$5,210,286		\$5,323,181

(3) is from Exhibit APD-1.

(4) is from Exhibit APD-2.



CITY OF SCOTTSDALE, ARIZONA
AUTOMOBILE PHYSICAL DAMAGE

Exhibit APD-4

Developed Unlimited Reported Incurred Losses

Claim Period (1)	Months of Development 6/30/21 (2)	Unlimited Reported Incurred Losses 6/30/21 (3)	Percent Losses Reported (4)	Developed Unlimited Reported Incurred Losses (3)/(4) (5)
to 2001/02	240.0	\$1,178,849	100.0%	\$1,178,849
2002/03	228.0	109,187	100.0%	109,187
2003/04	216.0	98,301	100.0%	98,301
2004/05	204.0	145,016	100.0%	145,016
2005/06	192.0	180,690	100.0%	180,690
2006/07	180.0	149,976	100.0%	149,976
2007/08	168.0	243,392	100.0%	243,392
2008/09	156.0	194,931	100.0%	194,931
2009/10	144.0	166,376	100.0%	166,376
2010/11	132.0	257,465	100.0%	257,465
2011/12	120.0	262,590	100.0%	262,590
2012/13	108.0	127,402	100.0%	127,402
2013/14	96.0	207,362	100.0%	207,362
2014/15	84.0	139,086	100.0%	139,086
2015/16	72.0	258,827	100.0%	258,827
2016/17	60.0	242,646	100.0%	242,646
2017/18	48.0	327,889	100.0%	327,889
2018/19	36.0	334,007	100.0%	334,007
2019/20	24.0	406,094	99.5%	408,124
2020/21	12.0	339,429	76.5%	443,463
Total		\$5,369,515		\$5,475,581

(3) is from Exhibit APD-1.

(4) is from Exhibit APD-2.



CITY OF SCOTTSDALE, ARIZONA
AUTOMOBILE PHYSICAL DAMAGE

Exhibit APD-5

Developed Unlimited Case Reserves

Claim Period (1)	Months of Development 6/30/21 (2)	Percent Losses Paid (3)	Percent Losses Reported (4)	Percent Losses Reserved 6/30/21 [(4)-(3)]/ [100.0%-(3)] (5)	Unlimited Paid Losses 6/30/21 (6)	Unlimited Case Reserves 6/30/21 (7)	Developed Unlimited Case Reserves (6)+(7)/(5) (8)
to 2001/02	240.0	100.0%	100.0%	100.0%	\$1,178,849	\$0	\$1,178,849
2002/03	228.0	100.0%	100.0%	100.0%	109,187	0	109,187
2003/04	216.0	100.0%	100.0%	100.0%	98,301	0	98,301
2004/05	204.0	100.0%	100.0%	100.0%	145,016	0	145,016
2005/06	192.0	100.0%	100.0%	100.0%	180,690	0	180,690
2006/07	180.0	100.0%	100.0%	100.0%	149,976	0	149,976
2007/08	168.0	100.0%	100.0%	100.0%	243,392	0	243,392
2008/09	156.0	100.0%	100.0%	100.0%	194,931	0	194,931
2009/10	144.0	100.0%	100.0%	100.0%	166,376	0	166,376
2010/11	132.0	100.0%	100.0%	100.0%	257,465	0	257,465
2011/12	120.0	100.0%	100.0%	100.0%	262,590	0	262,590
2012/13	108.0	100.0%	100.0%	100.0%	127,402	0	127,402
2013/14	96.0	100.0%	100.0%	100.0%	207,362	0	207,362
2014/15	84.0	100.0%	100.0%	100.0%	139,086	0	139,086
2015/16	72.0	100.0%	100.0%	100.0%	258,827	0	258,827
2016/17	60.0	100.0%	100.0%	100.0%	242,646	0	242,646
2017/18	48.0	100.0%	100.0%	100.0%	327,889	0	327,889
2018/19	36.0	100.0%	100.0%	100.0%	334,007	0	334,007
2019/20	24.0	97.1%	99.5%	82.9%	380,669	25,425	411,331
2020/21	12.0	67.0%	76.5%	29.0%	205,624	133,805	666,969
Total					\$5,210,286	\$159,230	\$5,702,294

(3) and (4) are from Exhibit APD-2.

(6) and (7) are from Exhibit APD-1.



CITY OF SCOTTSDALE, ARIZONA
AUTOMOBILE PHYSICAL DAMAGE

Exhibit APD-6

Preliminary Projected Ultimate Unlimited Losses to 2020/21

Claim Period (1)	Developed Unlimited Paid Losses (2)	Developed Unlimited Reported Incurred Losses (3)	Developed Unlimited Case Reserves (4)	Preliminary Projected Ultimate Unlimited Losses (5)
to 2001/02	\$1,178,849	\$1,178,849	\$1,178,849	\$1,178,849
2002/03	109,187	109,187	109,187	109,187
2003/04	98,301	98,301	98,301	98,301
2004/05	145,016	145,016	145,016	145,016
2005/06	180,690	180,690	180,690	180,690
2006/07	149,976	149,976	149,976	149,976
2007/08	243,392	243,392	243,392	243,392
2008/09	194,931	194,931	194,931	194,931
2009/10	166,376	166,376	166,376	166,376
2010/11	257,465	257,465	257,465	257,465
2011/12	262,590	262,590	262,590	262,590
2012/13	127,402	127,402	127,402	127,402
2013/14	207,362	207,362	207,362	207,362
2014/15	139,086	139,086	139,086	139,086
2015/16	258,827	258,827	258,827	258,827
2016/17	242,646	242,646	242,646	242,646
2017/18	327,889	327,889	327,889	327,889
2018/19	334,007	334,007	334,007	334,007
2019/20	392,089	408,124	411,331	408,636
2020/21	307,099	443,463	666,969	519,229
Total	\$5,323,181	\$5,475,581	\$5,702,294	\$5,551,859

(2) is from Exhibit APD-3.

(3) is from Exhibit APD-4.

(4) is from Exhibit APD-5.

(5) is based on (2) to (4) and actuarial judgment.



Bornhuetter - Ferguson Analysis

I. A-priori Loss Rate

Claim Period (1)	Preliminary Projected Ultimate Unlimited Losses (2)	Vehicles (3)	Unlimited Loss Rate per Vehicle (2)/(3) (4)	Loss Rate Trend (2021/22 = 1.000) (5)	Trended Unlimited Loss Rate per Vehicle (4)X(5) (6)	Projected A-priori Loss Rate per Vehicle (7)/(5) (8)
2011/12	\$262,590	929	\$282.66	1.480	\$418.40	\$239.75
2012/13	127,402	934	136.41	1.423	194.15	249.34
2013/14	207,362	933	222.25	1.369	304.17	259.31
2014/15	139,086	956	145.49	1.316	191.45	269.68
2015/16	258,827	926	279.51	1.265	353.67	280.47
2016/17	242,646	962	252.23	1.217	306.88	291.69
2017/18	327,889	1,067	307.30	1.170	359.50	303.36
2018/19	334,007	957	349.02	1.125	392.59	315.49
2019/20	408,636	950	430.14	1.082	465.24	328.11
2020/21	519,229	960	541.15	1.040	562.79	341.24

(7) Projected 2021/22 a-priori loss rate per Vehicle \$354.88

II. Bornhuetter - Ferguson Analysis Based on Unlimited Paid Losses

Claim Period (1)	Unlimited Paid Losses 6/30/21 (2)	Percent Losses Paid (3)	Projected A-priori Loss Rate per Vehicle (4)	Vehicles (5)	B-F Unpaid Losses [100.0%-(3)] X(4)X(5) (6)	B-F Ultimate Unlimited Paid Losses (2)+(6) (7)
2016/17	\$242,646	100.0%	\$291.69	962	\$0	\$242,646
2017/18	327,889	100.0%	303.36	1,067	0	327,889
2018/19	334,007	100.0%	315.49	957	0	334,007
2019/20	380,669	97.1%	328.11	950	9,079	389,747
2020/21	205,624	67.0%	341.24	960	108,188	313,812

III. Bornhuetter - Ferguson Analysis Based on Unlimited Reported Incurred Losses

Claim Period (1)	Unlimited Reported Incurred Losses 6/30/21 (2)	Percent Losses Reported (3)	Projected A-priori Loss Rate per Vehicle (4)	Vehicles (5)	B-F Unreported Losses [100.0%-(3)] X(4)X(5) (6)	B-F Ultimate Unlimited Reported Losses (2)+(6) (7)
2016/17	\$242,646	100.0%	\$291.69	962	\$0	\$242,646
2017/18	327,889	100.0%	303.36	1,067	0	327,889
2018/19	334,007	100.0%	315.49	957	0	334,007
2019/20	406,094	99.5%	328.11	950	1,551	407,644
2020/21	339,429	76.5%	341.24	960	76,810	416,239

Section I, (2) is from Exhibit APD-6.

Section I, (3), Section II, (5) and Section III, (5) are from Exhibit APD-10.

Section I, (5) is based on a 4% trend.

Section I, (7) is based on Section I, (6) and actuarial judgment.

Sections II and III, (2) are from Exhibit APD-1.

Sections II and III, (3) are from Exhibit APD-2.

Sections II and III, (4) are from Section I, (8).



Frequency Times Severity Analysis

I. Projected Ultimate Claims

Claim Period (1)	Months of Development 6/30/21 (2)	Reported Claims 6/30/21 (3)	Percent Claims Reported (4)	Projected Ultimate Claims (3)/(4) (5)	Vehicles (6)	Frequency (per 1,000 Vehicles) (5)/(6)X1,000 (7)
2011/12	120.0	174	100.0%	174	929	187.30
2012/13	108.0	95	100.0%	95	934	101.71
2013/14	96.0	56	100.0%	56	933	60.02
2014/15	84.0	85	100.0%	85	956	88.91
2015/16	72.0	107	100.0%	107	926	115.55
2016/17	60.0	124	100.0%	124	962	128.90
2017/18	48.0	116	100.0%	116	1,067	108.72
2018/19	36.0	122	100.0%	122	957	127.48
2019/20	24.0	102	99.7%	102	950	107.37
2020/21	12.0	136	81.4%	167	960	174.05

II. Frequency Times Severity

Claim Period (1)	Preliminary Projected Ultimate Unlimited Losses (2)	Projected Ultimate Claims (3)	Average Severity (2)/(3) (4)	Severity Trend (2021/22 = 1.000) (5)	Trended Average Claim Severity (4)X(5) (6)	De-Trended Projected 2021/22 Average Claim Severity (7)/(5) (8)	Frequency Times Severity (3)X(8) (9)
2011/12	\$262,590	174	\$1,509	1.480	\$2,234	\$2,078	\$361,556
2012/13	127,402	95	1,341	1.423	1,909	2,161	205,298
2013/14	207,362	56	3,703	1.369	5,068	2,247	125,858
2014/15	139,086	85	1,636	1.316	2,153	2,337	198,676
2015/16	258,827	107	2,419	1.265	3,061	2,431	260,102
2016/17	242,646	124	1,957	1.217	2,381	2,528	313,484
2017/18	327,889	116	2,827	1.170	3,307	2,629	304,989
2018/19	334,007	122	2,738	1.125	3,080	2,734	333,595
2019/20	408,636	102	4,006	1.082	4,333	2,844	290,064
2020/21	519,229	167	3,109	1.040	3,234	2,958	493,905

(7) Projected 2021/22 average claim severity

\$3,076

Section I, (3) is from Exhibit APD-1.

Section I, (4) is from Exhibit APD-2.

Section I, (6) is from Exhibit APD-10.

Section II, (2) is from Exhibit APD-6.

Section II, (3) is from Section I, (5).

Section II, (5) is based on a 4% trend.

Section II, (7) is based on (6) and actuarial judgment.



CITY OF SCOTTSDALE, ARIZONA
AUTOMOBILE PHYSICAL DAMAGE

Exhibit APD-9

Projected Ultimate Unlimited Losses to 2020/21

Claim Period (1)	Developed Unlimited Paid Losses (2)	Developed Unlimited Reported Incurred Losses (3)	Developed Unlimited Case Reserves (4)	B-F Ultimate Unlimited Paid Losses (5)	B-F Ultimate Unlimited Reported Losses (6)	Frequency Times Severity (7)	Projected Ultimate Unlimited Losses (8)
to 2001/02	\$1,178,849	\$1,178,849	\$1,178,849				\$1,178,849
2002/03	109,187	109,187	109,187				109,187
2003/04	98,301	98,301	98,301				98,301
2004/05	145,016	145,016	145,016				145,016
2005/06	180,690	180,690	180,690				180,690
2006/07	149,976	149,976	149,976				149,976
2007/08	243,392	243,392	243,392				243,392
2008/09	194,931	194,931	194,931				194,931
2009/10	166,376	166,376	166,376				166,376
2010/11	257,465	257,465	257,465				257,465
2011/12	262,590	262,590	262,590				262,590
2012/13	127,402	127,402	127,402				127,402
2013/14	207,362	207,362	207,362				207,362
2014/15	139,086	139,086	139,086				139,086
2015/16	258,827	258,827	258,827				258,827
2016/17	242,646	242,646	242,646	242,646	242,646	313,484	242,646
2017/18	327,889	327,889	327,889	327,889	327,889	304,989	327,889
2018/19	334,007	334,007	334,007	334,007	334,007	333,595	334,007
2019/20	392,089	408,124	411,331	389,747	407,644	290,064	408,636
2020/21	307,099	443,463	666,969	313,812	416,239	493,905	455,000

(2) is from Exhibit APD-3.

(3) is from Exhibit APD-4.

(4) is from Exhibit APD-5.

(5) and (6) are from Exhibit APD-7.

(7) is from Exhibit APD-8.

(8) is based on (2) to (7) and actuarial judgment.



CITY OF SCOTTSDALE, ARIZONA
AUTOMOBILE PHYSICAL DAMAGE

Exhibit APD-10

Projected Ultimate Unlimited Losses for 2021/22 and Subsequent

Claim Period (1)	Projected Ultimate Losses (2)	Vehicles (3)	Unlimited Loss Rate per Vehicle (2)/(3) (4)	Loss Rate Trend (2021/22 = 1,000) (5)	Trended Unlimited Loss Rate per Vehicle (4)X(5) (6)
2011/12	\$262,590	929	\$282.66	1.480	\$418.40
2012/13	127,402	934	136.41	1.423	194.15
2013/14	207,362	933	222.25	1.369	304.17
2014/15	139,086	956	145.49	1.316	191.45
2015/16	258,827	926	279.51	1.265	353.67
2016/17	242,646	962	252.23	1.217	306.88
2017/18	327,889	1,067	307.30	1.170	359.50
2018/19	334,007	957	349.02	1.125	392.59
2019/20	408,636	950	430.14	1.082	465.24
2020/21	455,000	960	474.21	1.040	493.17
Total	\$2,763,446	9,574	\$288.66		\$347.92

Claim Period (1)	Projected Unlimited Loss Rate per Vehicle (7)	Projected Vehicles (8)	Projected Ultimate Unlimited Losses (7)X(8) (9)	Present Value Factor (10)	Present Value of Projected Unlimited Loss Rate per Vehicle (7)X(10) (11)	Present Value of Projected Ultimate Unlimited Losses (8)X(11) (12)
2021/22	\$347.92	969	\$337,000	0.99	\$344.96	\$334,000
2022/23	361.84	979	354,000	0.99	358.76	351,000
2023/24	376.31	989	372,000	0.99	373.11	369,000
2024/25	391.37	998	391,000	0.99	388.04	387,000
2025/26	407.02	1,008	410,000	0.99	403.56	407,000
2026/27	423.30	1,019	431,000	0.99	419.70	427,000

(2) is from Exhibit APD-9.

(3) was provided by the City.

(5) is based on a 4% trend.

(7) 2021/22 is based on (6) and actuarial judgment.
Other period(s) based on 2021/22 plus a 4% trend.

(8) to 2021/22 was provided by the City. Other claim periods are based on a 1% trend.

(10) is based on a 1% interest rate and the payout pattern in Exhibit APD-2.



CITY OF SCOTTSDALE, ARIZONA
AUTOMOBILE PHYSICAL DAMAGE

Exhibit APD-11

Estimated Outstanding Losses as of June 30, 2021

Claim Period (1)	Unlimited Paid Losses 6/30/21 (2)	Unlimited Case Reserves 6/30/21 (3)	Unlimited Reported Incurred Losses 6/30/21 (4)	Projected Ultimate Unlimited Losses (5)	Estimated IBNR 6/30/21 (5)-(4) (6)	Estimated Outstanding Losses 6/30/21 (3)+(6) (7)	Present Value Factor (8)	Present Value of Estimated Outstanding Losses 6/30/21 (7)X(8) (9)
to 2001/02	\$1,178,849	\$0	\$1,178,849	\$1,178,849	\$0	\$0	1.00	\$0
2002/03	109,187	0	109,187	109,187	0	0	1.00	0
2003/04	98,301	0	98,301	98,301	0	0	1.00	0
2004/05	145,016	0	145,016	145,016	0	0	1.00	0
2005/06	180,690	0	180,690	180,690	0	0	1.00	0
2006/07	149,976	0	149,976	149,976	0	0	1.00	0
2007/08	243,392	0	243,392	243,392	0	0	1.00	0
2008/09	194,931	0	194,931	194,931	0	0	1.00	0
2009/10	166,376	0	166,376	166,376	0	0	1.00	0
2010/11	257,465	0	257,465	257,465	0	0	1.00	0
2011/12	262,590	0	262,590	262,590	0	0	1.00	0
2012/13	127,402	0	127,402	127,402	0	0	1.00	0
2013/14	207,362	0	207,362	207,362	0	0	1.00	0
2014/15	139,086	0	139,086	139,086	0	0	1.00	0
2015/16	258,827	0	258,827	258,827	0	0	1.00	0
2016/17	242,646	0	242,646	242,646	0	0	1.00	0
2017/18	327,889	0	327,889	327,889	0	0	1.00	0
2018/19	334,007	0	334,007	334,007	0	0	1.00	0
2019/20	380,669	25,425	406,094	408,636	2,543	27,968	1.00	27,829
2020/21	205,624	133,805	339,429	455,000	115,572	249,377	0.99	247,923
Total	\$5,210,286	\$159,230	\$5,369,515	\$5,487,629	\$118,115	\$277,345		\$275,752

(2), (3) and (4) are net of specific self-insured retention and aggregate retention.

(5) is from Exhibit APD-9.

(8) is based on a 1% interest rate and the payout pattern in Exhibit APD-2.



CITY OF SCOTTSDALE, ARIZONA
AUTOMOBILE PHYSICAL DAMAGE

Exhibit APD-12

Projected Losses Paid July 1, 2021 to June 30, 2022

Claim Period (1)	Months of Development 6/30/21 (2)	Percent Losses Paid (3)	Months of Development 6/30/22 (4)	Percent Losses Paid (5)	Percent Outstanding Losses Paid 7/1/21 to 6/30/22 [(5)-(3)]/[100.0%-(3)] (6)	Estimated Outstanding Losses 6/30/21 (7)	Projected Losses Paid (6)X(7) (8)	Estimated Outstanding Losses 6/30/22 (7)-(8) (9)	Present Value Factor (10)	Present Value of Estimated Outstanding Losses 6/30/22 (9)X(10) (11)
to 2001/02	240.0	100.0%	252.0	100.0%	100.0%	\$0	\$0	\$0	1.00	\$0
2002/03	228.0	100.0%	240.0	100.0%	100.0%	0	0	0	1.00	0
2003/04	216.0	100.0%	228.0	100.0%	100.0%	0	0	0	1.00	0
2004/05	204.0	100.0%	216.0	100.0%	100.0%	0	0	0	1.00	0
2005/06	192.0	100.0%	204.0	100.0%	100.0%	0	0	0	1.00	0
2006/07	180.0	100.0%	192.0	100.0%	100.0%	0	0	0	1.00	0
2007/08	168.0	100.0%	180.0	100.0%	100.0%	0	0	0	1.00	0
2008/09	156.0	100.0%	168.0	100.0%	100.0%	0	0	0	1.00	0
2009/10	144.0	100.0%	156.0	100.0%	100.0%	0	0	0	1.00	0
2010/11	132.0	100.0%	144.0	100.0%	100.0%	0	0	0	1.00	0
2011/12	120.0	100.0%	132.0	100.0%	100.0%	0	0	0	1.00	0
2012/13	108.0	100.0%	120.0	100.0%	100.0%	0	0	0	1.00	0
2013/14	96.0	100.0%	108.0	100.0%	100.0%	0	0	0	1.00	0
2014/15	84.0	100.0%	96.0	100.0%	100.0%	0	0	0	1.00	0
2015/16	72.0	100.0%	84.0	100.0%	100.0%	0	0	0	1.00	0
2016/17	60.0	100.0%	72.0	100.0%	100.0%	0	0	0	1.00	0
2017/18	48.0	100.0%	60.0	100.0%	100.0%	0	0	0	1.00	0
2018/19	36.0	100.0%	48.0	100.0%	100.0%	0	0	0	1.00	0
2019/20	24.0	97.1%	36.0	100.0%	100.0%	27,968	27,968	0	1.00	0
2020/21	12.0	67.0%	24.0	97.1%	91.2%	249,377	227,395	21,982	1.00	21,873
2021/22	0.0	0.0%	12.0	67.0%	67.0%	337,000	225,644	111,356	0.99	110,707
Total						\$614,345	\$481,007	\$133,338		\$132,580

(3) and (5) are from Exhibit APD-2.

(7) to 2020/21 is from Exhibit APD-11. The amount for 2021/22 is from Exhibit APD-10.

(10) is based on a 1% interest rate and the payout pattern in Exhibit APD-2.



CITY OF SCOTTSDALE, ARIZONA
AUTOMOBILE PHYSICAL DAMAGE

Exhibit APD-13

Projected Losses Paid July 1, 2022 to June 30, 2023

Claim Period (1)	Months of Development 6/30/22 (2)	Percent Losses Paid (3)	Months of Development 6/30/23 (4)	Percent Losses Paid (5)	Percent Outstanding Losses Paid 7/1/22 to 6/30/23 [(5)-(3)]/[100.0%-(3)] (6)	Estimated Outstanding Losses 6/30/22 (7)	Projected Losses Paid (6)X(7) (8)	Estimated Outstanding Losses 6/30/23 (7)-(8) (9)	Present Value Factor (10)	Present Value of Estimated Outstanding Losses 6/30/23 (9)X(10) (11)
to 2001/02	252.0	100.0%	264.0	100.0%	100.0%	\$0	\$0	\$0	1.00	\$0
2002/03	240.0	100.0%	252.0	100.0%	100.0%	0	0	0	1.00	0
2003/04	228.0	100.0%	240.0	100.0%	100.0%	0	0	0	1.00	0
2004/05	216.0	100.0%	228.0	100.0%	100.0%	0	0	0	1.00	0
2005/06	204.0	100.0%	216.0	100.0%	100.0%	0	0	0	1.00	0
2006/07	192.0	100.0%	204.0	100.0%	100.0%	0	0	0	1.00	0
2007/08	180.0	100.0%	192.0	100.0%	100.0%	0	0	0	1.00	0
2008/09	168.0	100.0%	180.0	100.0%	100.0%	0	0	0	1.00	0
2009/10	156.0	100.0%	168.0	100.0%	100.0%	0	0	0	1.00	0
2010/11	144.0	100.0%	156.0	100.0%	100.0%	0	0	0	1.00	0
2011/12	132.0	100.0%	144.0	100.0%	100.0%	0	0	0	1.00	0
2012/13	120.0	100.0%	132.0	100.0%	100.0%	0	0	0	1.00	0
2013/14	108.0	100.0%	120.0	100.0%	100.0%	0	0	0	1.00	0
2014/15	96.0	100.0%	108.0	100.0%	100.0%	0	0	0	1.00	0
2015/16	84.0	100.0%	96.0	100.0%	100.0%	0	0	0	1.00	0
2016/17	72.0	100.0%	84.0	100.0%	100.0%	0	0	0	1.00	0
2017/18	60.0	100.0%	72.0	100.0%	100.0%	0	0	0	1.00	0
2018/19	48.0	100.0%	60.0	100.0%	100.0%	0	0	0	1.00	0
2019/20	36.0	100.0%	48.0	100.0%	100.0%	0	0	0	1.00	0
2020/21	24.0	97.1%	36.0	100.0%	100.0%	21,982	21,982	0	1.00	0
2021/22	12.0	67.0%	24.0	97.1%	91.2%	111,356	101,540	9,816	1.00	9,767
2022/23	0.0	0.0%	12.0	67.0%	67.0%	354,000	237,027	116,973	0.99	116,291
Total						\$487,338	\$360,549	\$126,789		\$126,058

(3) and (5) are from Exhibit APD-2.

(7) to 2021/22 is from Exhibit APD-12, (9). The amount for 2022/23 is from Exhibit APD-10.

(10) is based on a 1% interest rate and the payout pattern in Exhibit APD-2.



CITY OF SCOTTSDALE, ARIZONA
AUTOMOBILE PHYSICAL DAMAGE

Exhibit APD-14

Projected Losses Paid July 1, 2023 to June 30, 2024

Claim Period (1)	Months of Development 6/30/23 (2)	Percent Losses Paid (3)	Months of Development 6/30/24 (4)	Percent Losses Paid (5)	Percent Outstanding Losses Paid 7/1/23 to 6/30/24 [(5)-(3)]/[100.0%-(3)] (6)	Estimated Outstanding Losses 6/30/23 (7)	Projected Losses Paid (6)X(7) (8)	Estimated Outstanding Losses 6/30/24 (7)-(8) (9)	Present Value Factor (10)	Present Value of Estimated Outstanding Losses 6/30/24 (9)X(10) (11)
to 2001/02	264.0	100.0%	276.0	100.0%	100.0%	\$0	\$0	\$0	1.00	\$0
2002/03	252.0	100.0%	264.0	100.0%	100.0%	0	0	0	1.00	0
2003/04	240.0	100.0%	252.0	100.0%	100.0%	0	0	0	1.00	0
2004/05	228.0	100.0%	240.0	100.0%	100.0%	0	0	0	1.00	0
2005/06	216.0	100.0%	228.0	100.0%	100.0%	0	0	0	1.00	0
2006/07	204.0	100.0%	216.0	100.0%	100.0%	0	0	0	1.00	0
2007/08	192.0	100.0%	204.0	100.0%	100.0%	0	0	0	1.00	0
2008/09	180.0	100.0%	192.0	100.0%	100.0%	0	0	0	1.00	0
2009/10	168.0	100.0%	180.0	100.0%	100.0%	0	0	0	1.00	0
2010/11	156.0	100.0%	168.0	100.0%	100.0%	0	0	0	1.00	0
2011/12	144.0	100.0%	156.0	100.0%	100.0%	0	0	0	1.00	0
2012/13	132.0	100.0%	144.0	100.0%	100.0%	0	0	0	1.00	0
2013/14	120.0	100.0%	132.0	100.0%	100.0%	0	0	0	1.00	0
2014/15	108.0	100.0%	120.0	100.0%	100.0%	0	0	0	1.00	0
2015/16	96.0	100.0%	108.0	100.0%	100.0%	0	0	0	1.00	0
2016/17	84.0	100.0%	96.0	100.0%	100.0%	0	0	0	1.00	0
2017/18	72.0	100.0%	84.0	100.0%	100.0%	0	0	0	1.00	0
2018/19	60.0	100.0%	72.0	100.0%	100.0%	0	0	0	1.00	0
2019/20	48.0	100.0%	60.0	100.0%	100.0%	0	0	0	1.00	0
2020/21	36.0	100.0%	48.0	100.0%	100.0%	0	0	0	1.00	0
2021/22	24.0	97.1%	36.0	100.0%	100.0%	9,816	9,816	0	1.00	0
2022/23	12.0	67.0%	24.0	97.1%	91.2%	116,973	106,662	10,311	1.00	10,260
2023/24	0.0	0.0%	12.0	67.0%	67.0%	372,000	249,079	122,921	0.99	122,204
Total						\$498,789	\$365,557	\$133,232		\$132,464

(3) and (5) are from Exhibit APD-2.

(7) to 2022/23 is from Exhibit APD-13, (9). The amount for 2023/24 is from Exhibit APD-10.

(10) is based on a 1% interest rate and the payout pattern in Exhibit APD-2.



CITY OF SCOTTSDALE, ARIZONA
AUTOMOBILE PHYSICAL DAMAGE

Exhibit APD-15

Projected Losses Paid July 1, 2024 to June 30, 2025

Claim Period (1)	Months of Development 6/30/24 (2)	Percent Losses Paid (3)	Months of Development 6/30/25 (4)	Percent Losses Paid (5)	Percent Outstanding Losses Paid 7/1/24 to 6/30/25 [(5)-(3)]/[100.0%-(3)] (6)	Estimated Outstanding Losses 6/30/24 (7)	Projected Losses Paid (6)X(7) (8)	Estimated Outstanding Losses 6/30/25 (7)-(8) (9)	Present Value Factor (10)	Present Value of Estimated Outstanding Losses 6/30/25 (9)X(10) (11)
to 2001/02	276.0	100.0%	288.0	100.0%	100.0%	\$0	\$0	\$0	1.00	\$0
2002/03	264.0	100.0%	276.0	100.0%	100.0%	0	0	0	1.00	0
2003/04	252.0	100.0%	264.0	100.0%	100.0%	0	0	0	1.00	0
2004/05	240.0	100.0%	252.0	100.0%	100.0%	0	0	0	1.00	0
2005/06	228.0	100.0%	240.0	100.0%	100.0%	0	0	0	1.00	0
2006/07	216.0	100.0%	228.0	100.0%	100.0%	0	0	0	1.00	0
2007/08	204.0	100.0%	216.0	100.0%	100.0%	0	0	0	1.00	0
2008/09	192.0	100.0%	204.0	100.0%	100.0%	0	0	0	1.00	0
2009/10	180.0	100.0%	192.0	100.0%	100.0%	0	0	0	1.00	0
2010/11	168.0	100.0%	180.0	100.0%	100.0%	0	0	0	1.00	0
2011/12	156.0	100.0%	168.0	100.0%	100.0%	0	0	0	1.00	0
2012/13	144.0	100.0%	156.0	100.0%	100.0%	0	0	0	1.00	0
2013/14	132.0	100.0%	144.0	100.0%	100.0%	0	0	0	1.00	0
2014/15	120.0	100.0%	132.0	100.0%	100.0%	0	0	0	1.00	0
2015/16	108.0	100.0%	120.0	100.0%	100.0%	0	0	0	1.00	0
2016/17	96.0	100.0%	108.0	100.0%	100.0%	0	0	0	1.00	0
2017/18	84.0	100.0%	96.0	100.0%	100.0%	0	0	0	1.00	0
2018/19	72.0	100.0%	84.0	100.0%	100.0%	0	0	0	1.00	0
2019/20	60.0	100.0%	72.0	100.0%	100.0%	0	0	0	1.00	0
2020/21	48.0	100.0%	60.0	100.0%	100.0%	0	0	0	1.00	0
2021/22	36.0	100.0%	48.0	100.0%	100.0%	0	0	0	1.00	0
2022/23	24.0	97.1%	36.0	100.0%	100.0%	10,311	10,311	0	1.00	0
2023/24	12.0	67.0%	24.0	97.1%	91.2%	122,921	112,086	10,835	1.00	10,781
2024/25	0.0	0.0%	12.0	67.0%	67.0%	391,000	261,801	129,199	0.99	128,446
Total						\$524,232	\$384,198	\$140,034		\$139,227

(3) and (5) are from Exhibit APD-2.

(7) to 2023/24 is from Exhibit APD-14, (9). The amount for 2024/25 is from Exhibit APD-10.

(10) is based on a 1% interest rate and the payout pattern in Exhibit APD-2.



CITY OF SCOTTSDALE, ARIZONA
AUTOMOBILE PHYSICAL DAMAGE

Exhibit APD-16

Projected Losses Paid July 1, 2025 to June 30, 2026

Claim Period (1)	Months of Development 6/30/25 (2)	Percent Losses Paid (3)	Months of Development 6/30/26 (4)	Percent Losses Paid (5)	Percent Outstanding Losses Paid 7/1/25 to 6/30/26 [(5)-(3)]/[100.0%-(3)] (6)	Estimated Outstanding Losses 6/30/25 (7)	Projected Losses Paid (6)X(7) (8)	Estimated Outstanding Losses 6/30/26 (7)-(8) (9)	Present Value Factor (10)	Present Value of Estimated Outstanding Losses 6/30/26 (9)X(10) (11)
to 2001/02	288.0	100.0%	300.0	100.0%	100.0%	\$0	\$0	\$0	1.00	\$0
2002/03	276.0	100.0%	288.0	100.0%	100.0%	0	0	0	1.00	0
2003/04	264.0	100.0%	276.0	100.0%	100.0%	0	0	0	1.00	0
2004/05	252.0	100.0%	264.0	100.0%	100.0%	0	0	0	1.00	0
2005/06	240.0	100.0%	252.0	100.0%	100.0%	0	0	0	1.00	0
2006/07	228.0	100.0%	240.0	100.0%	100.0%	0	0	0	1.00	0
2007/08	216.0	100.0%	228.0	100.0%	100.0%	0	0	0	1.00	0
2008/09	204.0	100.0%	216.0	100.0%	100.0%	0	0	0	1.00	0
2009/10	192.0	100.0%	204.0	100.0%	100.0%	0	0	0	1.00	0
2010/11	180.0	100.0%	192.0	100.0%	100.0%	0	0	0	1.00	0
2011/12	168.0	100.0%	180.0	100.0%	100.0%	0	0	0	1.00	0
2012/13	156.0	100.0%	168.0	100.0%	100.0%	0	0	0	1.00	0
2013/14	144.0	100.0%	156.0	100.0%	100.0%	0	0	0	1.00	0
2014/15	132.0	100.0%	144.0	100.0%	100.0%	0	0	0	1.00	0
2015/16	120.0	100.0%	132.0	100.0%	100.0%	0	0	0	1.00	0
2016/17	108.0	100.0%	120.0	100.0%	100.0%	0	0	0	1.00	0
2017/18	96.0	100.0%	108.0	100.0%	100.0%	0	0	0	1.00	0
2018/19	84.0	100.0%	96.0	100.0%	100.0%	0	0	0	1.00	0
2019/20	72.0	100.0%	84.0	100.0%	100.0%	0	0	0	1.00	0
2020/21	60.0	100.0%	72.0	100.0%	100.0%	0	0	0	1.00	0
2021/22	48.0	100.0%	60.0	100.0%	100.0%	0	0	0	1.00	0
2022/23	36.0	100.0%	48.0	100.0%	100.0%	0	0	0	1.00	0
2023/24	24.0	97.1%	36.0	100.0%	100.0%	10,835	10,835	0	1.00	0
2024/25	12.0	67.0%	24.0	97.1%	91.2%	129,199	117,811	11,388	1.00	11,331
2026/27	0.0	0.0%	12.0	67.0%	67.0%	431,000	288,584	142,416	0.99	141,586
Total						\$571,034	\$417,230	\$153,804		\$152,917

(3) and (5) are from Exhibit APD-2.

(7) to 2024/25 is from Exhibit APD-15, (9). The amount for 2026/27 is from Exhibit APD-10.

(10) is based on a 1% interest rate and the payout pattern in Exhibit APD-2.



CITY OF SCOTTSDALE, ARIZONA
AUTOMOBILE PHYSICAL DAMAGE

Exhibit APD-17

Projected Losses Paid July 1, 2026 to June 30, 2027

Claim Period (1)	Months of Development 6/30/26 (2)	Percent Losses Paid (3)	Months of Development 6/30/26 (4)	Percent Losses Paid (5)	Percent Outstanding Losses Paid 7/1/26 to 6/30/27 [(5)-(3)]/[100.0%-(3)] (6)	Estimated Outstanding Losses 6/30/26 (7)	Projected Losses Paid (6)X(7) (8)	Estimated Outstanding Losses 6/30/27 (7)-(8) (9)	Present Value Factor (10)	Present Value of Estimated Outstanding Losses 6/30/27 (9)X(10) (11)
to 2001/02	300.0	100.0%	312.0	100.0%	100.0%	\$0	\$0	\$0	1.00	\$0
2002/03	288.0	100.0%	300.0	100.0%	100.0%	0	0	0	1.00	0
2003/04	276.0	100.0%	288.0	100.0%	100.0%	0	0	0	1.00	0
2004/05	264.0	100.0%	276.0	100.0%	100.0%	0	0	0	1.00	0
2005/06	252.0	100.0%	264.0	100.0%	100.0%	0	0	0	1.00	0
2006/07	240.0	100.0%	252.0	100.0%	100.0%	0	0	0	1.00	0
2007/08	228.0	100.0%	240.0	100.0%	100.0%	0	0	0	1.00	0
2008/09	216.0	100.0%	228.0	100.0%	100.0%	0	0	0	1.00	0
2009/10	204.0	100.0%	216.0	100.0%	100.0%	0	0	0	1.00	0
2010/11	192.0	100.0%	204.0	100.0%	100.0%	0	0	0	1.00	0
2011/12	180.0	100.0%	192.0	100.0%	100.0%	0	0	0	1.00	0
2012/13	168.0	100.0%	180.0	100.0%	100.0%	0	0	0	1.00	0
2013/14	156.0	100.0%	168.0	100.0%	100.0%	0	0	0	1.00	0
2014/15	144.0	100.0%	156.0	100.0%	100.0%	0	0	0	1.00	0
2015/16	132.0	100.0%	144.0	100.0%	100.0%	0	0	0	1.00	0
2016/17	120.0	100.0%	132.0	100.0%	100.0%	0	0	0	1.00	0
2017/18	108.0	100.0%	120.0	100.0%	100.0%	0	0	0	1.00	0
2018/19	96.0	100.0%	108.0	100.0%	100.0%	0	0	0	1.00	0
2019/20	84.0	100.0%	96.0	100.0%	100.0%	0	0	0	1.00	0
2020/21	72.0	100.0%	84.0	100.0%	100.0%	0	0	0	1.00	0
2021/22	60.0	100.0%	72.0	100.0%	100.0%	0	0	0	1.00	0
2022/23	48.0	100.0%	60.0	100.0%	100.0%	0	0	0	1.00	0
2023/24	36.0	100.0%	48.0	100.0%	100.0%	0	0	0	1.00	0
2024/25	24.0	97.1%	36.0	100.0%	100.0%	11,388	11,388	0	1.00	0
2026/27	12.0	67.0%	24.0	97.1%	91.2%	142,416	129,863	12,553	1.00	12,491
2026/27	0.0	0.0%	12.0	67.0%	67.0%	431,000	288,584	142,416	0.99	141,586
Total						\$584,804	\$429,835	\$154,969		\$154,077

(3) and (5) are from Exhibit APD-2.

(7) to 2024/25 is from Exhibit APD-16, (9). The amount for 2025/26 is from Exhibit APD-10.

(10) is based on a 1% interest rate and the payout pattern in Exhibit APD-2.



CITY OF SCOTTSDALE, ARIZONA
AUTOMOBILE PHYSICAL DAMAGE

Exhibit APD-18

Projected Ultimate Claims for 2021/22 and Subsequent

Claim Period (1)	Projected Ultimate Claims (2)	Vehicles (3)	Projected Ultimate Claims per 1,000 Vehicles (2)/(3)X1,000 (4)
2011/12	174	929	187.30
2012/13	95	934	101.71
2013/14	56	933	60.02
2014/15	85	956	88.91
2015/16	107	926	115.55
2016/17	124	962	128.90
2017/18	116	1,067	108.72
2018/19	122	957	127.48
2019/20	102	950	107.37
2020/21	167	960	174.05
Total	1,148	9,574	119.91

Claim Period (1)	Projected Ultimate Claims per 1,000 Vehicles (5)	Projected Vehicles (6)	Projected Ultimate Claims (5)X(6)/1,000 (7)
2021/22	120.00	969	116
2022/23	120.00	979	117
2023/24	120.00	989	119
2024/25	120.00	998	120
2025/26	120.00	1,008	121
2026/27	120.00	1,019	122

(2) and (7) exclude claims with \$0 incurred.

(2) is from Exhibit APD-8.

(3) and (6) are from Exhibit APD-10.

(5) is based on (4) and actuarial judgment.



Loss Rate and Severity Trend

I. Benefit Level Changes

Effective Date (1)	Benefit Level Change (2)	Cumulative Benefit Level Change (3)
10/01/11	1.002	1.002
01/01/12	1.005	1.007
10/01/12	1.004	1.011
01/01/13	1.004	1.015
10/01/13	1.019	1.034
01/01/14	1.002	1.036
10/01/14	1.001	1.037
01/01/15	1.002	1.040
10/01/15	1.011	1.051
01/01/16	1.002	1.053
10/01/16	0.982	1.034
01/01/17	1.002	1.036
10/01/17	1.004	1.040
01/01/18	1.002	1.042
01/01/19	1.002	1.045

II. Loss Rate and Severity Trend

Claim Period (1)	Benefit Trend (2021/22 = 1.000) (2)	Residual Trend (2021/22 = 1.000) (3)	Retention Index (2021/22 = 1.000) (4)	Loss Rate Trend (2021/22 = 1.000) (2)X(3)X(4) (5)	Wage Trend (2021/22 = 1.000) (6)	Severity Trend (2021/22 = 1.000) (5)X(6) (7)
2011/12	1.000	1.480	1.000	1.480	1.000	1.480
2012/13	1.000	1.423	1.000	1.423	1.000	1.423
2013/14	1.000	1.369	1.000	1.369	1.000	1.369
2014/15	1.000	1.316	1.000	1.316	1.000	1.316
2015/16	1.000	1.265	1.000	1.265	1.000	1.265
2016/17	1.000	1.217	1.000	1.217	1.000	1.217
2017/18	1.000	1.170	1.000	1.170	1.000	1.170
2018/19	1.000	1.125	1.000	1.125	1.000	1.125
2019/20	1.000	1.082	1.000	1.082	1.000	1.082
2020/21	1.000	1.040	1.000	1.040	1.000	1.040
2021/22	1.000	1.000	1.000	1.000	1.000	1.000
2022/23	1.000	0.962	1.000	0.962	1.000	0.962
2023/24	1.000	0.925	1.000	0.925	1.000	0.925
2024/25	1.000	0.889	1.000	0.889	1.000	0.889
2025/26	1.000	0.855	1.000	0.855	1.000	0.855
2026/27	1.000	0.822	1.000	0.822	1.000	0.822

Section I, (2) and (3) reflect data published by the NCCI.

Section II, (2) is based on Section I, (2).

Section II, (3) is based on 4% trend per actuarial judgment.

Section II, (4) is based on industry statistics and actuarial judgment.

Section II, (6) is based on 0% trend.



CITY OF SCOTTSDALE, ARIZONA
AUTOMOBILE PHYSICAL DAMAGE

Exhibit APD-19

List of Large Claims
Reported Incurred Losses Greater Than \$25,000

Claim Number (1)	Date of Loss (2)	Claim Period (3)	Specific Self-Insured Retention (4)	Unlimited Paid Losses 6/30/21 (5)	Unlimited Case Reserves 6/30/21 (6)	Unlimited Reported Incurred Losses 6/30/21 (7)
VA929370779	01/27/93	to 2001/02	Unlimited	\$158,010	\$0	\$158,010
0607-223-2620	05/30/07	2006/07	Unlimited	33,321	0	33,321
0809-200-7440	05/14/09	2008/09	Unlimited	28,467	0	28,467
0910-244-1006670	06/19/10	2009/10	Unlimited	39,937	0	39,937
1112-147-0369	02/21/12	2011/12	Unlimited	54,492	0	54,492
1314-087-0208031	10/19/13	2013/14	Unlimited	31,529	0	31,529
1516-166-15336	02/04/16	2015/16	Unlimited	36,841	0	36,841
1617-127-1007648	12/05/16	2016/17	Unlimited	36,100	0	36,100
1718-031-13195	08/11/17	2017/18	Unlimited	25,123	0	25,123
1718-270-13196	06/08/18	2017/18	Unlimited	74,661	0	74,661
1819-125-0210506	12/03/18	2018/19	Unlimited	28,277	0	28,277
1819-295-13174	06/24/19	2018/19	Unlimited	81,413	0	81,413
1920-025-15334	08/12/19	2019/20	Unlimited	29,300	0	29,300
1920-040-18726	09/05/19	2019/20	Unlimited	32,722	0	32,722
1920-145-16562	01/30/20	2019/20	Unlimited	27,150	0	27,150

Amounts are gross of excess insurance and net of other recoveries.

(1) through (7) were provided by the City.



Size of Loss Distribution

I. Reported Claim Count

Claim Size (1)	Prior (2)	2016/17 (3)	2017/18 (4)	2018/19 (5)	2019/20 (6)	2020/21 (7)	Total (2)...(7) (8)	Non-Zero Claim Cumulative Total (9)	Non-Zero Claim Cumulative % of Total (10)
0	0	0	0	0	0	0	0		
0.01 - 5,000	2,557	105	96	105	80	110	3,053	3,053	91.4%
5,000 - 10,000	101	16	11	8	12	12	160	3,213	96.2%
10,000 - 25,000	69	2	6	5	6	5	93	3,306	99.0%
25,000 - 50,000	11	1	1	2	4	0	19	3,325	99.5%
50,000 - 100,000	2	0	1	2	0	0	5	3,330	99.7%
100,000 - 250,000	1	0	1	0	0	6	8	3,338	99.9%
250,000 - 500,000	0	0	0	0	0	3	3	3,341	100.0%
500,000 - 750,000	0	0	0	0	0	0	0	3,341	100.0%
750,000 - 1,000,000	0	0	0	0	0	0	0	3,341	100.0%
Over 1,000,000	0	0	0	0	0	0	0	3,341	100.0%
Total	2,741	124	116	122	102	136	3,341	3,341	

II. Total Reported Incurred Losses

Claim Size (1)	Prior (2)	2016/17 (3)	2017/18 (4)	2018/19 (5)	2019/20 (6)	2020/21 (7)	Total (2)...(7) (8)	Non-Zero Claim Cumulative Total (9)	Non-Zero Claim Cumulative % of Total (10)
0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
0.01 - 5,000	2,427,740	141,812	129,562	150,802	160,622	174,353	3,184,892	3,184,892	36.7%
5,000 - 10,000	715,206	103,007	74,175	47,896	85,884	89,793	1,115,962	4,300,853	49.6%
10,000 - 25,000	1,031,321	23,286	93,286	73,536	111,845	89,434	1,422,707	5,723,560	66.0%
25,000 - 50,000	349,216	36,100	42,181	60,208	120,881	0	608,587	6,332,147	73.1%
50,000 - 100,000	121,051	0	74,661	152,008	0	0	347,719	6,679,867	77.1%
100,000 - 250,000	158,010	0	191,910	0	0	787,758	1,137,679	7,817,545	90.2%
250,000 - 500,000	0	0	0	0	0	850,592	850,592	8,668,137	100.0%
500,000 - 750,000	0	0	0	0	0	0	0	8,668,137	100.0%
750,000 - 1,000,000	0	0	0	0	0	0	0	8,668,137	100.0%
Over 1,000,000	0	0	0	0	0	0	0	8,668,137	100.0%
Total	\$4,802,545	\$304,206	\$605,775	\$484,450	\$479,231	\$1,991,930	\$8,668,137	\$8,668,137	

Amounts are gross of excess insurance and other recoveries.

Data was provided by the City.

Scottsdale_05PD_063021.xlsx

State of Arizona
Senate
Fifty-fifth Legislature
First Regular Session
2021

SENATE BILL 1827

AN ACT

AMENDING TITLE 23, ARIZONA REVISED STATUTES, BY ADDING CHAPTER 11; AMENDING SECTION 42-5029, ARIZONA REVISED STATUTES; REPEALING SECTION 42-5041, ARIZONA REVISED STATUTES; AMENDING SECTION 43-1011, ARIZONA REVISED STATUTES; AMENDING LAWS 2016, CHAPTER 125, SECTION 21, AS AMENDED BY LAWS 2017, CHAPTER 215, SECTION 1; AMENDING LAWS 2016, CHAPTER 125, SECTION 22, AS AMENDED BY LAWS 2017, CHAPTER 215, SECTION 2; AMENDING LAWS 2016, CHAPTER 125, SECTION 26, AS AMENDED BY LAWS 2017, CHAPTER 215, SECTION 3; AMENDING LAWS 2016, CHAPTER 125, SECTION 28, AS AMENDED BY LAWS 2017, CHAPTER 215, SECTION 4; APPROPRIATING MONIES; RELATING TO REVENUE BUDGET RECONCILIATION.

(TEXT OF BILL BEGINS ON NEXT PAGE)

1 Be it enacted by the Legislature of the State of Arizona:

2 Section 1. Title 23, Arizona Revised Statutes, is amended by adding
3 chapter 11, to read:

4 CHAPTER 11

5 MUNICIPAL FIREFIGHTER CANCER REIMBURSEMENT

6 ARTICLE 1. GENERAL PROVISIONS

7 23-1701. Definitions

8 IN THIS ARTICLE, UNLESS THE CONTEXT OTHERWISE REQUIRES:

9 1. "COMMISSION" MEANS THE INDUSTRIAL COMMISSION OF ARIZONA.

10 2. "FIREFIGHTER" HAS THE SAME MEANING PRESCRIBED IN SECTION
11 23-901.09.

12 3. "FIRE INVESTIGATOR" HAS THE SAME MEANING PRESCRIBED IN SECTION
13 23-901.09.

14 4. "FUND" MEANS THE MUNICIPAL FIREFIGHTER CANCER REIMBURSEMENT
15 FUND.

16 5. "MUNICIPAL PAYOR" MEANS ANY OF THE FOLLOWING:

17 (a) A WORKERS' COMPENSATION INSURER USED BY A CITY OR TOWN.

18 (b) A SELF-INSURANCE PROGRAM APPROVED PURSUANT TO SECTION 23-961
19 USED BY A CITY OR TOWN.

20 (c) A PUBLIC AGENCY POOL THAT IS ESTABLISHED PURSUANT TO SECTION
21 11-952.01 AND THAT IS USED BY A CITY OR TOWN.

22 23-1702. Municipal firefighter cancer reimbursement fund;
23 exemption; rulemaking; annual report

24 A. THE MUNICIPAL FIREFIGHTER CANCER REIMBURSEMENT FUND IS
25 ESTABLISHED CONSISTING OF MONIES DEPOSITED IN THE FUND PURSUANT TO SECTION
26 23-1703. THE COMMISSION SHALL ADMINISTER THE FUND. MONIES IN THE FUND
27 SHALL BE USED TO REIMBURSE MUNICIPAL PAYORS FOR THE COMPENSATION AND
28 BENEFITS PAID BY MUNICIPAL PAYORS TO MUNICIPAL FIREFIGHTERS AND MUNICIPAL
29 FIRE INVESTIGATORS UNDER SECTION 23-901.09 FOR:

30 1. COMPENSATION FOR TEMPORARY PARTIAL DISABILITY, PERMANENT PARTIAL
31 DISABILITY AND LOST EARNING CAPACITY AS PRESCRIBED IN SECTION 23-1044.

32 2. COMPENSATION FOR TEMPORARY TOTAL DISABILITY AND PERMANENT TOTAL
33 DISABILITY AS PRESCRIBED IN SECTION 23-1045.

34 3. MEDICAL, SURGICAL AND HOSPITAL BENEFITS AS PRESCRIBED IN SECTION
35 23-1062.

36 4. DEATH BENEFITS AS PRESCRIBED IN SECTION 23-1046.

37 B. THE FUND CONSISTS OF THE FOLLOWING:

38 1. FEES FROM CITIES AND TOWNS DEPOSITED PURSUANT TO SECTION
39 23-1703.

40 2. MONIES RECEIVED FROM ANY OTHER SOURCE, INCLUDING FEDERAL MONIES,
41 INVESTMENT INCOME AND PRIVATE GRANTS, GIFTS, CONTRIBUTIONS AND DEVISES.

42 C. THE COMMISSION SHALL ANNUALLY DISTRIBUTE THE MONIES IN THE FUND
43 ON A PRORATED BASIS BASED ON THE AMOUNT OF THE INDIVIDUAL COMPENSATION AND
44 BENEFITS PAID BY A MUNICIPAL PAYOR FOR COMPENSATION AND BENEFITS TO A
45 MUNICIPAL FIREFIGHTER OR MUNICIPAL FIRE INVESTIGATOR FOR A DISEASE,

1 INFIRMITY OR IMPAIRMENT AS PRESCRIBED IN SECTION 23-901.09 IN PROPORTION
2 TO THE STATEWIDE AGGREGATE OF ALL COMPENSATION AND BENEFITS PAID TO
3 MUNICIPAL FIREFIGHTERS AND MUNICIPAL FIRE INVESTIGATORS PURSUANT TO
4 SECTION 23-901.09 FOR THE FISCAL YEAR. THE COMMISSION MAY NOT REIMBURSE
5 MONIES FOR EXPENSES RELATING TO CASE MANAGEMENT, VOCATIONAL REHABILITATION
6 OR SIMILAR NONMEDICAL COSTS. THE PRORATED SHARE SHALL BE DISTRIBUTED TO
7 THE MUNICIPAL PAYORS ENTITLED TO A SHARE WITHOUT REGARD TO THE ORDER IN
8 WHICH THE RESPECTIVE COMPENSATION AND BENEFITS WERE PAID IN THE FISCAL
9 YEAR.

10 D. MONIES IN THE FUND ARE CONTINUOUSLY APPROPRIATED AND ARE EXEMPT
11 FROM THE PROVISIONS OF SECTION 35-190 RELATING TO LAPSING OF
12 APPROPRIATIONS.

13 E. ON OR BEFORE JANUARY 1, 2022, THE COMMISSION SHALL ADOPT RULES
14 PURSUANT TO TITLE 41, CHAPTER 6 TO CARRY OUT THIS CHAPTER.

15 F. ON OR BEFORE APRIL 1 OF EACH YEAR, THE COMMISSION SHALL SUBMIT A
16 REPORT TO THE LEGISLATURE AND THE MUNICIPAL PAYORS REIMBURSED FROM THE
17 FUND ON THE FINANCIAL STATUS OF THE FUND. THE REPORT SHALL INCLUDE ALL OF
18 THE FOLLOWING:

19 1. THE TOTAL NUMBER OF FUND REIMBURSEMENT CLAIMS THE COMMISSION
20 RECEIVED IN THE IMMEDIATELY PRECEDING FISCAL YEAR.

21 2. FOR THE IMMEDIATELY PRECEDING FISCAL YEAR, THE NUMBER OF FUND
22 REIMBURSEMENT CLAIMS APPROVED, THE TOTAL DOLLAR AMOUNT OF FUND
23 REIMBURSEMENT CLAIMS PAID BY THE FUND AND THE AMOUNT PAID TO EACH
24 MUNICIPAL PAYOR REIMBURSED BY THE FUND.

25 3. THE AMOUNT OF ANY ANTICIPATED SURPLUS IN THE FUND.

26 23-1703. Assessment

27 A. FROM AND AFTER JUNE 30, 2021, THE COMMISSION SHALL ASSESS AND
28 COLLECT FEES FROM CITIES AND TOWNS FOR DEPOSIT IN THE FUND. THE FEE SHALL
29 BE ASSESSED TO EACH CITY AND TOWN THAT RECEIVES STATE SHARED REVENUES
30 PURSUANT TO SECTIONS 42-5029 AND 43-206. THE TOTAL AMOUNT OF FEES FOR ALL
31 CITIES AND TOWNS MAY NOT EXCEED \$15,000,000 IN EACH FISCAL YEAR. THE
32 SHARE OF FEES ASSESSED IN EACH FISCAL YEAR TO EACH CITY AND TOWN SHALL BE
33 BASED ON THE POPULATION OF THE CITY OR TOWN AS DETERMINED BY THE MOST
34 RECENT POPULATION ESTIMATES OF THE UNITED STATES CENSUS BUREAU AS OF
35 JULY 1 IN PROPORTION TO THE TOTAL POPULATION OF ALL INCORPORATED CITIES
36 AND TOWNS.

37 B. THE COMMISSION SHALL ASSESS THE FEES UNDER THIS SECTION NOT
38 LATER THAN JULY 31 OF EACH YEAR, AND THE FEES ARE PAYABLE IMMEDIATELY ON
39 ASSESSMENT. IF A CITY OR TOWN FAILS TO PAY THE ASSESSMENT IN FULL ON OR
40 BEFORE SEPTEMBER 30, THE COMMISSION SHALL NOTIFY THE STATE TREASURER WHO
41 SHALL WITHHOLD THE DELINQUENT AMOUNT FROM THE DISTRIBUTION OF MONIES TO
42 THE APPROPRIATE CITY OR TOWN PURSUANT TO SECTIONS 42-5029 AND 43-206 AND
43 SHALL CONTINUE TO WITHHOLD MONIES UNTIL THE CITY OR TOWN HAS PAID THE
44 ENTIRE AMOUNT OF THE ASSESSMENT.

1 C. ALL MONIES PAID TO THE COMMISSION OR WITHHELD BY THE STATE
2 TREASURER FOR THE FEES ASSESSED PURSUANT TO THIS SECTION SHALL BE
3 DEPOSITED IN THE FUND.

4 D. CITIES AND TOWNS MAY MEET THEIR OBLIGATION FOR THE ASSESSMENT
5 FROM ANY SOURCE OF CITY OR TOWN REVENUE DESIGNATED BY THE APPROPRIATE CITY
6 OR TOWN. CITY AND TOWN PAYMENTS MADE PURSUANT TO THIS SECTION ARE
7 EXCLUDED FROM THE APPLICABLE EXPENDITURE LIMITATIONS.

8 Sec. 2. Section 42-5029, Arizona Revised Statutes, is amended to
9 read:

10 42-5029. Remission and distribution of monies; withholding;
11 definition

12 A. The department shall deposit, pursuant to sections 35-146 and
13 35-147, all revenues collected under this article and articles 4, 5 and 8
14 of this chapter pursuant to section 42-1116, separately accounting for:

15 1. Payments of estimated tax under section 42-5014, subsection D.

16 2. Revenues collected pursuant to section 42-5070.

17 3. Revenues collected under this article and article 5 of this
18 chapter from and after June 30, 2000 from sources located on Indian
19 reservations in this state.

20 4. Revenues collected pursuant to section 42-5010, subsection G and
21 section 42-5155, subsection D.

22 5. Revenues collected pursuant to section 42-5010.01 and section
23 42-5155, subsection E.

24 B. The department shall credit payments of estimated tax to an
25 estimated tax clearing account and each month shall transfer all monies in
26 the estimated tax clearing account to a fund designated as the transaction
27 privilege and severance tax clearing account. The department shall credit
28 all other payments to the transaction privilege and severance tax clearing
29 account, separately accounting for the monies designated as distribution
30 base under sections 42-5010, 42-5164 and 42-5205. Each month the
31 department shall report to the state treasurer the amount of monies
32 collected pursuant to this article and articles 4, 5 and 8 of this
33 chapter.

34 C. On notification by the department, the state treasurer shall
35 distribute the monies deposited in the transaction privilege and severance
36 tax clearing account in the manner prescribed by this section and by
37 sections 42-5164 and 42-5205, after deducting warrants drawn against the
38 account pursuant to sections 42-1118 and 42-1254.

39 D. Of the monies designated as distribution base, ~~and subject to~~
40 ~~the requirements of section 42-5041~~, the department shall:

41 1. Pay twenty-five percent to the various incorporated
42 municipalities in this state in proportion to their population to be used
43 by the municipalities for any municipal purpose.

1 2. Pay 38.08 percent to the counties in this state by averaging the
2 following proportions:

3 (a) The proportion that the population of each county bears to the
4 total state population.

5 (b) The proportion that the distribution base monies collected
6 during the calendar month in each county under this article, section
7 42-5164, subsection B and section 42-5205, subsection B bear to the total
8 distribution base monies collected under this article, section 42-5164,
9 subsection B and section 42-5205, subsection B throughout the state for
10 the calendar month.

11 3. Pay an additional 2.43 percent to the counties in this state as
12 follows:

13 (a) Average the following proportions:

14 (i) The proportion that the assessed valuation used to determine
15 secondary property taxes of each county, after deducting that part of the
16 assessed valuation that is exempt from taxation at the beginning of the
17 month for which the amount is to be paid, bears to the total assessed
18 valuations used to determine secondary property taxes of all the counties
19 after deducting that portion of the assessed valuations that is exempt
20 from taxation at the beginning of the month for which the amount is to be
21 paid. Property of a city or town that is not within or contiguous to the
22 municipal corporate boundaries and from which water is or may be withdrawn
23 or diverted and transported for use on other property is considered to be
24 taxable property in the county for purposes of determining assessed
25 valuation in the county under this item.

26 (ii) The proportion that the distribution base monies collected
27 during the calendar month in each county under this article, section
28 42-5164, subsection B and section 42-5205, subsection B bear to the total
29 distribution base monies collected under this article, section 42-5164,
30 subsection B and section 42-5205, subsection B throughout the state for
31 the calendar month.

32 (b) If the proportion computed under subdivision (a) of this
33 paragraph for any county is greater than the proportion computed under
34 paragraph 2 of this subsection, the department shall compute the
35 difference between the amount distributed to that county under paragraph 2
36 of this subsection and the amount that would have been distributed under
37 paragraph 2 of this subsection using the proportion computed under
38 subdivision (a) of this paragraph and shall pay that difference to the
39 county from the amount available for distribution under this paragraph.
40 Any monies remaining after all payments under this subdivision shall be
41 distributed among the counties according to the proportions computed under
42 paragraph 2 of this subsection.

43 4. After any distributions required by sections 42-5030,
44 42-5030.01, 42-5031, 42-5032, 42-5032.01 and 42-5032.02, and after making
45 any transfer to the water quality assurance revolving fund as required by

1 section 49-282, subsection B, credit the remainder of the monies
2 designated as distribution base to the state general fund. From this
3 amount the legislature shall annually appropriate to:

4 (a) The department of revenue sufficient monies to administer and
5 enforce this article and articles 5 and 8 of this chapter.

6 (b) The department of economic security monies to be used for the
7 purposes stated in title 46, chapter 1.

8 (c) The firearms safety and ranges fund established by section
9 17-273, fifty thousand dollars derived from the taxes collected from the
10 retail classification pursuant to section 42-5061 for the current fiscal
11 year.

12 E. If approved by the qualified electors voting at a statewide
13 general election, all monies collected pursuant to section 42-5010,
14 subsection G and section 42-5155, subsection D shall be distributed each
15 fiscal year pursuant to this subsection. The monies distributed pursuant
16 to this subsection are in addition to any other appropriation, transfer or
17 other allocation of public or private monies from any other source and
18 shall not supplant, replace or cause a reduction in other school district,
19 charter school, university or community college funding sources. The
20 monies shall be distributed as follows:

21 1. If there are outstanding state school facilities revenue bonds
22 pursuant to title 15, chapter 16, article 7, each month one-twelfth of the
23 amount that is necessary to pay the fiscal year's debt service on
24 outstanding state school improvement revenue bonds for the current fiscal
25 year shall be transferred each month to the school improvement revenue
26 bond debt service fund established by section 15-2084. The total amount
27 of bonds for which these monies may be allocated for the payment of debt
28 service shall not exceed a principal amount of eight hundred million
29 dollars exclusive of refunding bonds and other refinancing obligations.

30 2. After any transfer of monies pursuant to paragraph 1 of this
31 subsection, twelve per cent of the remaining monies collected during the
32 preceding month shall be transferred to the technology and research
33 initiative fund established by section 15-1648 to be distributed among the
34 universities for the purpose of investment in technology and
35 research-based initiatives.

36 3. After the transfer of monies pursuant to paragraph 1 of this
37 subsection, three per cent of the remaining monies collected during the
38 preceding month shall be transferred to the workforce development account
39 established in each community college district pursuant to section 15-1472
40 for the purpose of investment in workforce development programs.

41 4. After transferring monies pursuant to paragraphs 1, 2 and 3 of
42 this subsection, one-twelfth of the amount a community college that is
43 owned, operated or chartered by a qualifying Indian tribe on its own
44 Indian reservation would receive pursuant to section 15-1472, subsection
45 D, paragraph 2 if it were a community college district shall be

1 distributed each month to the treasurer or other designated depository of
2 a qualifying Indian tribe. Monies distributed pursuant to this paragraph
3 are for the exclusive purpose of providing support to one or more
4 community colleges owned, operated or chartered by a qualifying Indian
5 tribe and shall be used in a manner consistent with section 15-1472,
6 subsection B. For the purposes of this paragraph, "qualifying Indian
7 tribe" has the same meaning as defined in section 42-5031.01,
8 subsection D.

9 5. After transferring monies pursuant to paragraphs 1, 2 and 3 of
10 this subsection, one-twelfth of the following amounts shall be transferred
11 each month to the department of education for the increased cost of basic
12 state aid under section 15-971 due to added school days and associated
13 teacher salary increases enacted in 2000:

14 (a) In fiscal year 2001-2002, \$15,305,900.

15 (b) In fiscal year 2002-2003, \$31,530,100.

16 (c) In fiscal year 2003-2004, \$48,727,700.

17 (d) In fiscal year 2004-2005, \$66,957,200.

18 (e) In fiscal year 2005-2006 and each fiscal year thereafter,
19 \$86,280,500.

20 6. After transferring monies pursuant to paragraphs 1, 2 and 3 of
21 this subsection, seven million eight hundred thousand dollars is
22 appropriated each fiscal year, to be paid in monthly installments, to the
23 department of education to be used for school safety as provided in
24 section 15-154 and two hundred thousand dollars is appropriated each
25 fiscal year, to be paid in monthly installments to the department of
26 education to be used for the character education matching grant program as
27 provided in section 15-154.01.

28 7. After transferring monies pursuant to paragraphs 1, 2 and 3 of
29 this subsection, no more than seven million dollars may be appropriated by
30 the legislature each fiscal year to the department of education to be used
31 for accountability purposes as described in section 15-241 and title 15,
32 chapter 9, article 8.

33 8. After transferring monies pursuant to paragraphs 1, 2 and 3 of
34 this subsection, one million five hundred thousand dollars is appropriated
35 each fiscal year, to be paid in monthly installments, to the failing
36 schools tutoring fund established by section 15-241.

37 9. After transferring monies pursuant to paragraphs 1, 2 and 3 of
38 this subsection, twenty-five million dollars shall be transferred each
39 fiscal year to the state general fund to reimburse the general fund for
40 the cost of the income tax credit allowed by section 43-1072.01.

41 10. After the payment of monies pursuant to paragraphs 1 through 9
42 of this subsection, the remaining monies collected during the preceding
43 month shall be transferred to the classroom site fund established by
44 section 15-977. The monies shall be allocated as follows in the manner
45 prescribed by section 15-977:

1 (a) Forty per cent shall be allocated for teacher compensation
2 based on performance.

3 (b) Twenty per cent shall be allocated for increases in teacher
4 base compensation and employee related expenses.

5 (c) Forty per cent shall be allocated for maintenance and operation
6 purposes.

7 F. The department shall credit the remainder of the monies in the
8 transaction privilege and severance tax clearing account to the state
9 general fund, subject to any distribution required by section 42-5030.01.

10 G. Notwithstanding subsection D of this section, if a court of
11 competent jurisdiction finally determines that tax monies distributed
12 under this section were illegally collected under this article or articles
13 5 and 8 of this chapter and orders the monies to be refunded to the
14 taxpayer, the department shall compute the amount of such monies that was
15 distributed to each city, town and county under this section. Each
16 city's, town's and county's proportionate share of the costs shall be
17 based on the amount of the original tax payment each municipality and
18 county received. Each month the state treasurer shall reduce the amount
19 otherwise distributable to the city, town and county under this section by
20 one thirty-sixth of the total amount to be recovered from the city, town
21 or county until the total amount has been recovered, but the monthly
22 reduction for any city, town or county shall not exceed ten percent of the
23 full monthly distribution to that entity. The reduction shall begin for
24 the first calendar month after the final disposition of the case and shall
25 continue until the total amount, including interest and costs, has been
26 recovered.

27 H. On receiving a certificate of default from the greater Arizona
28 development authority pursuant to section 41-2257 or 41-2258 and to the
29 extent not otherwise expressly prohibited by law, the state treasurer
30 shall withhold from the next succeeding distribution of monies pursuant to
31 this section due to the defaulting political subdivision the amount
32 specified in the certificate of default and immediately deposit the amount
33 withheld in the greater Arizona development authority revolving fund. The
34 state treasurer shall continue to withhold and deposit the monies until
35 the greater Arizona development authority certifies to the state treasurer
36 that the default has been cured. In no event may the state treasurer
37 withhold any amount that the defaulting political subdivision certifies to
38 the state treasurer and the authority as being necessary to make any
39 required deposits then due for the payment of principal and interest on
40 bonds of the political subdivision that were issued before the date of the
41 loan repayment agreement or bonds and that have been secured by a pledge
42 of distributions made pursuant to this section.

43 I. Except as provided by sections 42-5033 and 42-5033.01, the
44 population of a county, city or town as determined by the most recent
45 United States decennial census plus any revisions to the decennial census

1 certified by the United States bureau of the census shall be used as the
2 basis for apportioning monies pursuant to subsection D of this section.

3 J. Except as otherwise provided by this subsection, on notice from
4 the department of revenue pursuant to section 42-6010, subsection B, the
5 state treasurer shall withhold from the distribution of monies pursuant to
6 this section to the affected city or town the amount of the penalty for
7 business location municipal tax incentives provided by the city or town to
8 a business entity that locates a retail business facility in the city or
9 town. The state treasurer shall continue to withhold monies pursuant to
10 this subsection until the entire amount of the penalty has been withheld.
11 The state treasurer shall credit any monies withheld pursuant to this
12 subsection to the state general fund as provided by subsection D,
13 paragraph 4 of this section. The state treasurer shall not withhold any
14 amount that the city or town certifies to the department of revenue and
15 the state treasurer as being necessary to make any required deposits or
16 payments for debt service on bonds or other long-term obligations of the
17 city or town that were issued or incurred before the location incentives
18 provided by the city or town.

19 K. On notice from the auditor general pursuant to section 9-626,
20 subsection D, the state treasurer shall withhold from the distribution of
21 monies pursuant to this section to the affected city the amount computed
22 pursuant to section 9-626, subsection D. The state treasurer shall
23 continue to withhold monies pursuant to this subsection until the entire
24 amount specified in the notice has been withheld. The state treasurer
25 shall credit any monies withheld pursuant to this subsection to the state
26 general fund as provided by subsection D, paragraph 4 of this section.

27 L. Except as otherwise provided by this subsection, on notice from
28 the attorney general pursuant to section 41-194.01, subsection B,
29 paragraph 1 that an ordinance, regulation, order or other official action
30 adopted or taken by the governing body of a county, city or town violates
31 state law or the Constitution of Arizona, the state treasurer shall
32 withhold the distribution of monies pursuant to this section to the
33 affected county, city or town and shall continue to withhold monies
34 pursuant to this subsection until the attorney general certifies to the
35 state treasurer that the violation has been resolved. The state treasurer
36 shall redistribute the monies withheld pursuant to this subsection among
37 all other counties, cities and towns in proportion to their population as
38 provided by subsection D of this section. The state treasurer shall not
39 withhold any amount that the county, city or town certifies to the
40 attorney general and the state treasurer as being necessary to make any
41 required deposits or payments for debt service on bonds or other long-term
42 obligations of the county, city or town that were issued or incurred
43 before committing the violation.

1 M. For the purposes of this section, "community college district"
2 means a community college district that is established pursuant to
3 sections 15-1402 and 15-1403 and that is a political subdivision of this
4 state and, unless otherwise specified, includes a community college
5 tuition financing district established pursuant to section 15-1409.

6 Sec. 3. Repeal

7 Section 42-5041, Arizona Revised Statutes, is repealed.

8 Sec. 4. Section 43-1011, Arizona Revised Statutes, is amended to
9 read:

10 43-1011. Taxes and tax rates

11 A. There shall be levied, collected and paid for each taxable year
12 on the entire taxable income of every resident of this state and on the
13 entire taxable income of every nonresident that is derived from sources
14 within this state taxes determined in the following manner:

15 1. For taxable years beginning from and after December 31, 1996
16 through December 31, 1997:

17 (a) In the case of a single person or a married person filing
18 separately:

<u>If taxable income is:</u>	<u>The tax is:</u>
19 \$0 - \$10,000	2.90% of taxable income
20 \$10,001 - \$25,000	\$290, plus 3.30% of the excess 21 over \$10,000
22 \$25,001 - \$50,000	\$785, plus 3.90% of the excess 23 over \$25,000
24 \$50,001 - \$150,000	\$1,760, plus 4.80% of the excess 25 over \$50,000
26 \$150,001 and over	\$6,560, plus 5.17% of the excess 27 over \$150,000

28 (b) In the case of a married couple filing a joint return or a
29 single person who is a head of a household:

<u>If taxable income is:</u>	<u>The tax is:</u>
30 \$0 - \$20,000	2.90% of taxable income
31 \$20,001 - \$50,000	\$580, plus 3.30% of the excess 32 over \$20,000
33 \$50,001 - \$100,000	\$1,570, plus 3.90% of the excess 34 over \$50,000
35 \$100,001 - \$300,000	\$3,520, plus 4.80% of the excess 36 over \$100,000
37 \$300,001 and over	\$13,120, plus 5.17% of the 38 excess over \$300,000

39 2. For taxable years beginning from and after December 31, 1997
40 through December 31, 1998:
41
42

1 (a) In the case of a single person or a married person filing
2 separately:

3 <u>If taxable income is:</u>	<u>The tax is:</u>
4 \$0 – \$10,000	2.88% of taxable income
5 \$10,001 – \$25,000	\$288, plus 3.24% of the excess 6 over \$10,000
7 \$25,001 – \$50,000	\$774, plus 3.82% of the excess 8 over \$25,000
9 \$50,001 – \$150,000	\$1,729, plus 4.74% of the excess 10 over \$50,000
11 \$150,001 and over	\$6,469, plus 5.10% of the excess 12 over \$150,000

13 (b) In the case of a married couple filing a joint return or a
14 single person who is a head of a household:

15 <u>If taxable income is:</u>	<u>The tax is:</u>
16 \$0 – \$20,000	2.88% of taxable income
17 \$20,001 – \$50,000	\$576, plus 3.24% of the excess 18 over \$20,000
19 \$50,001 – \$100,000	\$1,548, plus 3.82% of the excess 20 over \$50,000
21 \$100,001 – \$300,000	\$3,458, plus 4.74% of the excess 22 over \$100,000
23 \$300,001 and over	\$12,938, plus 5.10% of the 24 excess over \$300,000

25 3. For taxable years beginning from and after December 31, 1998
26 through December 31, 2005:

27 (a) In the case of a single person or a married person filing
28 separately:

29 <u>If taxable income is:</u>	<u>The tax is:</u>
30 \$0 – \$10,000	2.87% of taxable income
31 \$10,001 – \$25,000	\$287, plus 3.20% of the excess 32 over \$10,000
33 \$25,001 – \$50,000	\$767, plus 3.74% of the excess 34 over \$25,000
35 \$50,001 – \$150,000	\$1,702, plus 4.72% of the excess 36 over \$50,000
37 \$150,001 and over	\$6,422, plus 5.04% of the excess 38 over \$150,000

39 (b) In the case of a married couple filing a joint return or a
40 single person who is a head of a household:

41 <u>If taxable income is:</u>	<u>The tax is:</u>
42 \$0 – \$20,000	2.87% of taxable income
43 \$20,001 – \$50,000	\$574, plus 3.20% of the excess 44 over \$20,000

1	\$50,001 – \$100,000	\$1,534, plus 3.74% of the excess
2		over \$50,000
3	\$100,001 – \$300,000	\$3,404, plus 4.72% of the excess
4		over \$100,000
5	\$300,001 and over	\$12,844, plus 5.04% of the
6		excess over \$300,000

7 4. For taxable years beginning from and after December 31, 2005
8 through December 31, 2006:

9 (a) In the case of a single person or a married person filing
10 separately:

11	<u>If taxable income is:</u>	<u>The tax is:</u>
12	\$0 – \$10,000	2.73% of taxable income
13	\$10,001 – \$25,000	\$273, plus 3.04% of the excess
14		over \$10,000
15	\$25,001 – \$50,000	\$729, plus 3.55% of the excess
16		over \$25,000
17	\$50,001 – \$150,000	\$1,617, plus 4.48% of the excess
18		over \$50,000
19	\$150,001 and over	\$6,097, plus 4.79% of the excess
20		over \$150,000

21 (b) In the case of a married couple filing a joint return or a
22 single person who is a head of a household:

23	<u>If taxable income is:</u>	<u>The tax is:</u>
24	\$0 – \$20,000	2.73% of taxable income
25	\$20,001 – \$50,000	\$546, plus 3.04% of the excess
26		over \$20,000
27	\$50,001 – \$100,000	\$1,458, plus 3.55% of the excess
28		over \$50,000
29	\$100,001 – \$300,000	\$3,233, plus 4.48% of the excess
30		over \$100,000
31	\$300,001 and over	\$12,193, plus 4.79% of the
32		excess over \$300,000

33 5. Subject to subsections B and C of this section, for taxable
34 years beginning from and after December 31, 2006 through December 31,
35 2018:

36 (a) In the case of a single person or a married person filing
37 separately:

38	<u>If taxable income is:</u>	<u>The tax is:</u>
39	\$0 – \$10,000	2.59% of taxable income
40	\$10,001 – \$25,000	\$259, plus 2.88% of the excess
41		over \$10,000
42	\$25,001 – \$50,000	\$691, plus 3.36% of the excess
43		over \$25,000
44	\$50,001 – \$150,000	\$1,531, plus 4.24% of the excess
45		over \$50,000

1 C. For each taxable year beginning from and after December 31, 2015
2 through December 31, 2018, the department shall adjust the income dollar
3 amounts for each rate bracket prescribed by subsection A, paragraph 5 of
4 this section according to the average annual change in the metropolitan
5 Phoenix consumer price index published by the United States department of
6 labor, bureau of labor statistics. The revised dollar amounts shall be
7 raised to the nearest whole dollar. The income dollar amounts for each
8 rate bracket may not be revised below the amounts prescribed in the prior
9 taxable year.

10 D. For each taxable year beginning from and after December 31,
11 2019, the department shall adjust the income dollar amount for each rate
12 bracket prescribed by subsection A, paragraph 6 of this section according
13 to the average annual change in the metropolitan Phoenix consumer price
14 index published by the United States department of labor, bureau of labor
15 statistics. The revised dollar amounts shall be raised to the nearest
16 whole dollar. The income dollar amounts for each rate bracket may not be
17 revised below the amounts prescribed in the prior taxable year.

18 E. FOR EACH TAXABLE YEAR BEGINNING FROM AND AFTER DECEMBER 31,
19 2020, FOR TAXABLE INCOME THAT IS SUBJECT TO THE INCOME TAX SURCHARGE
20 IMPOSED BY SECTION 43-1013, THE COMBINED TAX RATE OF THE INCOME TAX
21 SURCHARGE IMPOSED BY SECTION 43-1013 AND THE HIGHEST TAX RATE IMPOSED BY
22 SUBSECTION A, PARAGRAPH 6, 7, 8 OR 9 OF THIS SECTION MAY NOT EXCEED FOUR
23 AND ONE-HALF PERCENT. IF THE COMBINED TAX RATE EXCEEDS FOUR AND ONE-HALF
24 PERCENT, THE HIGHEST TAX RATE IMPOSED BY SUBSECTION A, PARAGRAPH 6, 7, 8
25 OR 9 OF THIS SECTION SHALL BE REDUCED SO THAT THE COMBINED TAX RATE IS
26 FOUR AND ONE-HALF PERCENT. THE DEPARTMENT MAY ADOPT RULES PURSUANT TO
27 TITLE 41, CHAPTER 6 TO CARRY OUT THIS SUBSECTION.

28 Sec. 5. Laws 2016, chapter 125, section 21, as amended by Laws
29 2017, chapter 215, section 1, is amended to read:

30 Sec. 21. Veterans' income tax settlement fund; exemption from
31 lapsing

32 A. The veterans' income tax settlement fund is established
33 consisting of monies appropriated by the legislature and other monies
34 donated or accruing to the fund. Monies in the fund are continuously
35 appropriated to the department of revenue for the purposes of Laws 2016,
36 chapter 125, sections 19 through 27.

37 B. The department of revenue shall administer the fund. On notice
38 from the department, the state treasurer shall invest and divest monies in
39 the fund as provided by section 35-313, Arizona Revised Statutes, and
40 monies earned from investment shall be credited to the fund. Monies in
41 the fund are exempt from the provisions of section 35-190, Arizona Revised
42 Statutes, relating to lapsing of appropriations, except that unexpended
43 and unencumbered monies remaining in the fund on June 30, ~~2021~~ 2023 revert
44 to the state general fund.

1 C. Five percent of the monies in the fund at the beginning of each
2 fiscal year are appropriated separately to both the department of revenue
3 and the department of veterans' services for administrative costs incurred
4 under Laws 2016, chapter 125, sections 19 through 27 ~~of this act~~ during
5 the fiscal year. Any unexpended and unencumbered balance of either
6 appropriation remaining at the end of the fiscal year reverts to the fund.

7 Sec. 6. Laws 2016, chapter 125, section 22, as amended by Laws
8 2017, chapter 215, section 2, is amended to read:

9 Sec. 22. Income tax settlement claims; requirements;
10 procedure; approval or denial of claim

11 A. A veteran or, if the veteran is deceased, the veteran's
12 surviving spouse, personal representative, executor or other official
13 representative of the estate, as designated pursuant to applicable state
14 or tribal law or tradition, may file a claim for a settlement payment for
15 any period of active duty in the armed forces of the United States during
16 which the veteran:

17 1. Was an enrolled member of a tribe.

18 2. Maintained a domicile within the boundaries of the veteran's
19 reservation or the reservation of the veteran's spouse or within the
20 boundaries of lands held in trust by the United States for the benefit of
21 the veteran, the veteran's spouse or the tribe of the veteran or spouse.

22 3. Had Arizona state income tax withheld from the veteran's active
23 duty military pay on or after July 1, 1977 and before January 1, 2006, and
24 the amount withheld:

25 (a) Has not already been refunded to the veteran or the deceased
26 veteran's estate.

27 (b) Cannot be claimed as a refund by filing a state income tax
28 return because the period for filing a claim for refund has lapsed under
29 the applicable statute of limitations.

30 B. The claim for a settlement payment must include evidence of the
31 veteran's eligibility for and the amount of the claim as follows:

32 1. The claimant must provide a copy of the veteran's certificate of
33 release or discharge from active duty (DD Form 214) or other proof of
34 service provided by the United States department of defense and approved
35 by the department of veterans' services. If a claimant does not have a
36 copy of the veteran's DD Form 214 or other proof of service, the claimant
37 may request that the department of veterans' services request the
38 veteran's DD Form 214 or other proof of service from the United States
39 department of defense.

40 2. The claimant must provide a statement, signed by the claimant,
41 that the veteran is or was duly registered on the tribal rolls of a tribe
42 during the period or periods of the veteran's active duty in the armed
43 forces.

1 3. The claimant must provide evidence of domicile within the
2 boundaries of the veteran's reservation or the reservation of the
3 veteran's spouse or within the boundaries of lands held in trust by the
4 United States for the benefit of the veteran, the veteran's spouse or the
5 tribe of the veteran or spouse during the taxable years the state income
6 tax was withheld from active duty military pay. If the veteran's address
7 shown on the veteran's DD Form 214 or other proof of service:

8 (a) Is on the veteran's tribal land, that evidence is sufficient
9 for the purposes of this paragraph.

10 (b) Is not on the veteran's tribal land or if the veteran has no
11 DD Form 214 and the claimant cannot otherwise establish that the veteran's
12 domicile was on the veteran's tribal land, the claimant must provide a
13 signed statement, under penalty of perjury, that the veteran was domiciled
14 on tribal land during the period or periods the state income tax was
15 withheld. The statement must include the veteran's address on the tribal
16 land for each period, and an official designated by the tribe must attest
17 that each address is on tribal land.

18 4. The claimant must provide evidence of the amount of state income
19 tax withheld from active duty military pay by providing copies of the
20 United States internal revenue service Form W-2 covering active duty
21 military pay for the year or years during which state personal income tax
22 was withheld. If the claimant does not have copies of the applicable Form
23 W-2 for one or more of those years, the claimant may request that the
24 department of revenue obtain the veteran's Form W-2, or other withholding
25 information in a form approved by the department of revenue, from the
26 United States department of defense.

27 5. The claimant must provide a signed statement attesting, under
28 penalty of perjury, that the veteran has not received a refund of the
29 state income tax withheld for the years for which the claimant is filing a
30 claim for a settlement payment.

31 C. A claim for settlement payment under this section must be filed
32 by the eligible veteran or, if the veteran is deceased, by the veteran's
33 surviving spouse, successor or other personal representative. The
34 following apply if the claim is made for a deceased veteran:

35 1. The claimant must include a copy of the veteran's death
36 certificate or other proof of death.

37 2. If the veteran's estate exceeds ~~thirty thousand dollars~~ \$30,000,
38 only the surviving spouse, personal representative, executor or other
39 official representative of the estate, as designated pursuant to
40 applicable state or tribal law or tradition, may file the claim.

41 3. If the claimant is a successor who is not the surviving spouse,
42 personal representative, executor or other official representative of the
43 estate, the claimant must include a dated and notarized statement, signed
44 under penalty of perjury, that:

1 (a) The value of the entire probate estate of the deceased veteran,
2 wherever located, minus liens and encumbrances, does not exceed ~~thirty~~
3 ~~thousand dollars~~ \$30,000.

4 (b) At least thirty days have elapsed since the veteran's death.

5 (c) The successor is entitled to receive the settlement payment.

6 4. If the claimant is a personal representative, executor or other
7 official representative of the estate, the claimant must include:

8 (a) A signed, dated and notarized statement that the claimant has
9 been duly appointed as the personal representative, executor or other
10 representative of the veteran's estate pursuant to applicable state or
11 tribal law or tradition.

12 (b) A copy of the claimant's appointment.

13 D. A claim for a settlement payment shall be denied for any amount
14 of withholding tax that can be claimed as a refund by filing a state
15 income tax return pursuant to title 43, Arizona Revised Statutes. A state
16 income tax return may be filed by a veteran to claim the refund by the
17 later of December 31 of the year three years after:

18 1. The veteran separated from military service.

19 2. The year in which Arizona withholding tax was withheld from the
20 veteran's active duty pay.

21 E. A claim for a settlement payment must be made on a claim form
22 prescribed by the department of revenue and filed with the department of
23 veterans' services.

24 F. The department of veterans' services shall not accept claims
25 submitted from and after December 31, ~~2019~~ 2022.

26 G. Within two hundred ten days after receiving a complete and
27 correct claim form, the department of veterans' services shall determine
28 whether the claim meets the requirements of subsection B, paragraphs 1, 2
29 and 3 of this section, transmit qualifying claim forms to the department
30 of revenue and notify the claimant of the department's approval or denial.
31 The failure of the department of veterans' services to respond within two
32 hundred ten days after receiving a complete and correct claim form is
33 considered to be a denial.

34 H. Within two hundred ten days after receiving the claim form from
35 the department of veterans' services, the department of revenue shall
36 determine whether the claim meets the requirements of subsection A,
37 paragraph 3 and subsection B, paragraphs 4 and 5 of this section and
38 notify the claimant and the department of veterans' services of its
39 approval or denial. The failure of the department of revenue to respond
40 within two hundred ten days after receiving the claim form is considered
41 to be a denial.

1 Sec. 7. Laws 2016, chapter 125, section 26, as amended by Laws
2 2017, chapter 215, section 3, is amended to read:

3 Sec. 26. Veterans' income tax settlement; annual reports

4 The director of the department of revenue shall report the following
5 information to the senate appropriations and finance committees and to the
6 house of representatives appropriations and ways and means committees on
7 or before October 1 in each of years 2017 through ~~2021~~ 2023:

8 1. Estimates of the amount of state income tax withholdings subject
9 to payments under Laws 2016, chapter 125, sections 22 and 23.

10 2. The number of veterans affected by withholdings subject to
11 payments under Laws 2016, chapter 125, sections 22 and 23.

12 3. Expenditures from the veterans' income tax settlement fund
13 during the previous fiscal year.

14 4. Anticipated expenditures from the veterans' income tax
15 settlement fund during the current fiscal year.

16 5. Anticipated appropriations to the fund necessary to meet
17 expected payments in the next fiscal year.

18 Sec. 8. Laws 2016, chapter 125, section 28, as amended by Laws
19 2017, chapter 215, section 4, is amended to read:

20 Sec. 28. Repeal

21 ~~Laws 2016, chapter 125, sections 19 through 26~~ THE FOLLOWING are
22 repealed from and after December 31, ~~2021~~ 2023:

23 1. LAWS 2016, CHAPTER 125, SECTION 19.

24 2. LAWS 2016, CHAPTER 125, SECTION 20.

25 3. LAWS 2016, CHAPTER 125, SECTION 21, AS AMENDED BY LAWS 2017,
26 CHAPTER 215, SECTION 1 AND THIS ACT.

27 4. LAWS 2016, CHAPTER 125, SECTION 22, AS AMENDED BY LAWS 2017,
28 CHAPTER 215, SECTION 2 AND THIS ACT.

29 5. LAWS 2016, CHAPTER 125, SECTION 23.

30 6. LAWS 2016, CHAPTER 125, SECTION 24.

31 7. LAWS 2016, CHAPTER 125, SECTION 25.

32 8. LAWS 2016, CHAPTER 125, SECTION 26, AS AMENDED BY LAWS 2017,
33 CHAPTER 215, SECTION 3 AND THIS ACT.

34 Sec. 9. Department of gaming regulatory assessment;
35 pari-mutuel pool

36 Notwithstanding any other law, in fiscal year 2021-2022, the
37 department of gaming shall establish and collect a regulatory assessment
38 from each commercial racing permittee, payable from amounts deducted from
39 pari-mutuel pools by the permittee, in addition to the amounts the
40 permittee is authorized to deduct pursuant to section 5-111, subsection B,
41 Arizona Revised Statutes, from amounts wagered on live and simulcast races
42 from in-state and out-of-state wagering handled by the permittee, in the
43 amount of 0.5 percent of the amounts wagered.

1 Sec. 13. Exemption from rulemaking

2 A. Notwithstanding any other law, for the purposes of title 23,
3 chapter 11, Arizona Revised Statutes, as added by this act, the industrial
4 commission of Arizona is exempt from the rulemaking requirements of title
5 41, chapter 6, Arizona Revised Statutes, for one year after the effective
6 date of this act, except that the commission shall provide the public with
7 a reasonable opportunity to comment on proposed rules and shall publish
8 otherwise exempt rules.

9 B. Notwithstanding any other law, for the purposes of section
10 43-1011, subsection E, Arizona Revised Statutes, as added by this act, the
11 department of revenue is exempt from the rulemaking requirements of title
12 41, chapter 6, Arizona Revised Statutes, for one year after the effective
13 date of this act.

14 Sec. 14. Legislative intent

15 The legislature intends that:

16 1. Title 23, chapter 11, Arizona Revised Statutes, as added by this
17 act, does not convey any responsibility of firefighter cancer compensation
18 and benefits claims onto this state. All costs incurred shall be paid for
19 by monies collected from cities and towns pursuant to section 23-1703,
20 Arizona Revised Statutes, as added by this act.

21 2. Any monies in the municipal firefighter cancer reimbursement
22 fund established by section 23-1702, Arizona Revised Statutes, as added by
23 this act, are not subject to transfer from the municipal firefighter
24 cancer reimbursement fund to the state general fund in any fiscal year.

25 Sec. 15. Retroactivity

26 A. Title 23, chapter 11, Arizona Revised Statutes, as added by this
27 act, section 42-5029, Arizona Revised Statutes, as amended by this act,
28 and section 42-5041, Arizona Revised Statutes, as repealed by this act,
29 apply retroactively to from and after June 30, 2021.

30 B. The following apply retroactively to from and after December 31,
31 2019:

32 1. Laws 2016, chapter 125, section 21, as amended by Laws 2017,
33 chapter 215, section 1 and this act.

34 2. Laws 2016, chapter 125, section 22, as amended by Laws 2017,
35 chapter 215, section 2 and this act.

36 3. Laws 2016, chapter 125, section 26, as amended by Laws 2017,
37 chapter 215, section 3 and this act.

38 4. Laws 2016, chapter 125, section 28, as amended by Laws 2017,
39 chapter 215, section 4 and this act.



INDUSTRIAL COMMISSION OF ARIZONA

FY 2022 Municipal Firefighters Cancer Reimbursement Fund Assessments (A.R.S. § 23-1703)

City	2019 Population	% of Population	MFCRF Assessment
APACHE JUNCTION	42,571	0.74%	\$110,260.77
AVONDALE	87,931	1.52%	\$227,745.17
BENSON	4,880	0.08%	\$12,639.42
BISBEE	5,225	0.09%	\$13,532.98
BUCKEYE	79,620	1.37%	\$206,219.32
BULLHEAD CITY	40,884	0.71%	\$105,891.37
CAMP VERDE	11,187	0.19%	\$28,974.82
CAREFREE	3,927	0.07%	\$10,171.10
CASA GRANDE	58,632	1.01%	\$151,859.47
CAVE CREEK	5,838	0.10%	\$15,120.68
CHANDLER	261,165	4.51%	\$676,428.89
CHINO VALLEY	12,375	0.21%	\$32,051.80
CLARKDALE	4,391	0.08%	\$11,372.88
CLIFTON	3,708	0.06%	\$9,603.88
COLORADO CITY	4,836	0.08%	\$12,525.45
COOLIDGE	13,130	0.23%	\$34,007.28
COTTONWOOD	12,253	0.21%	\$31,735.81
DEWEY-HUMBOLDT	4,137	0.07%	\$10,715.01
DOUGLAS	16,193	0.28%	\$41,940.59
DUNCAN	788	0.01%	\$2,040.95
EAGAR	4,941	0.09%	\$12,797.41
EL MIRAGE	35,753	0.62%	\$92,601.85
ELOY	19,625	0.34%	\$50,829.62
FLAGSTAFF	75,038	1.30%	\$194,351.74
FLORENCE	27,422	0.47%	\$71,024.19
FOUNTAIN HILLS	25,200	0.44%	\$65,269.11
FREDONIA	1,281	0.02%	\$3,317.85
GILA BEND	2,100	0.04%	\$5,439.09
GILBERT	254,114	4.39%	\$658,166.49
GLENDALE	252,381	4.36%	\$653,677.94
GLOBE	7,347	0.13%	\$19,029.05
GOODYEAR	86,840	1.50%	\$224,919.44
GUADALUPE	6,631	0.11%	\$17,174.58
HAYDEN	631	0.01%	\$1,634.32
HOLBROOK	5,084	0.09%	\$13,167.78
HUACHUCA CITY	1,736	0.03%	\$4,496.32
JEROME	455	0.01%	\$1,178.47
KEARNY	2,168	0.04%	\$5,615.22
KINGMAN	31,013	0.54%	\$80,325.04
LAKE HAVASU CITY	55,865	0.96%	\$144,692.82



INDUSTRIAL COMMISSION OF ARIZONA

FY 2022 Municipal Firefighters Cancer Reimbursement Fund Assessments (A.R.S. § 23-1703)

City	2019 Population	% of Population	MFCRF Assessment
LITCHFIELD PARK	6,436	0.11%	\$16,669.52
MAMMOTH	1,687	0.03%	\$4,369.40
MARANA	49,030	0.85%	\$126,989.87
MARICOPA	52,127	0.90%	\$135,011.23
MESA	518,012	8.94%	\$1,341,673.97
MIAMI	1,780	0.03%	\$4,610.28
NOGALES	20,103	0.35%	\$52,067.66
ORO VALLEY	46,044	0.80%	\$119,255.99
PAGE	7,529	0.13%	\$19,500.44
PARADISE VALLEY	14,637	0.25%	\$37,910.48
PARKER	3,207	0.06%	\$8,306.27
PATAGONIA	874	0.02%	\$2,263.70
PAYSON	15,813	0.27%	\$40,956.37
PEORIA	175,961	3.04%	\$455,746.76
PHOENIX	1,680,992	29.03%	\$4,353,843.54
PIMA	2,558	0.04%	\$6,625.33
PINETOP-LAKESIDE	4,469	0.08%	\$11,574.91
PRESCOTT	44,299	0.76%	\$114,736.37
PRESCOTT VALLEY	46,515	0.80%	\$120,475.91
QUARTZSITE	3,763	0.06%	\$9,746.34
QUEEN CREEK	50,890	0.88%	\$131,807.35
SAFFORD	9,983	0.17%	\$25,856.41
SAHUARITA	31,421	0.54%	\$81,381.78
SAINT JOHNS	3,512	0.06%	\$9,096.24
SAN LUIS	34,778	0.60%	\$90,076.56
SCOTTSDALE	258,069	4.46%	\$668,410.11
SEDONA	10,339	0.18%	\$26,778.47
SHOW LOW	11,442	0.20%	\$29,635.29
SIERRA VISTA	43,045	0.74%	\$111,488.45
SNOWFLAKE	5,995	0.10%	\$15,527.31
SOMERTON	16,554	0.29%	\$42,875.59
SOUTH TUCSON	5,715	0.10%	\$14,802.10
SPRINGERVILLE	1,978	0.03%	\$5,123.11
STAR VALLEY	2,308	0.04%	\$5,977.82
SUPERIOR	3,178	0.05%	\$8,231.16
SURPRISE	141,664	2.45%	\$366,916.02
TAYLOR	4,321	0.07%	\$11,191.58
TEMPE	195,805	3.38%	\$507,143.60
THATCHER	5,200	0.09%	\$13,468.23
TOLLESON	7,372	0.13%	\$19,093.81
TOMBSTONE	1,303	0.02%	\$3,374.83



INDUSTRIAL COMMISSION OF ARIZONA

FY 2022 Municipal Firefighters Cancer Reimbursement Fund Assessments (A.R.S. § 23-1703)

City	2019 Population	% of Population	MFCRF Assessment
TUCSON	548,073	9.46%	\$1,419,533.28
TUSAYAN	580	0.01%	\$1,502.23
WELLTON	3,044	0.05%	\$7,884.09
WICKENBURG	8,092	0.14%	\$20,958.64
WILLCOX	3,533	0.06%	\$9,150.63
WILLIAMS	3,248	0.06%	\$8,412.46
WINKELMAN	351	0.01%	\$909.11
WINSLOW	9,338	0.16%	\$24,185.83
YOUNGTOWN	6,859	0.12%	\$17,765.11
YUMA	98,285	1.70%	\$254,562.49
GRAND TOTALS	5,791,407	100.00%	\$15,000,000.00

Please Remit Checks To:

Industrial Commission of Arizona
 ATTN: MFCRF [jurisdiction name]
 800 West Washington Street, Suite 301
 Phoenix, Arizona 85007

Wire Transfer Instructions:

Bank of America
 ABA: 026009593
 Account: 000001000985
 Reference: ICA [jurisdiction name] MFCRF

Accounting Division Phone: (602) 542-4654
Tax Unit Email: taxes@azica.gov
Agency Webpage: <https://www.azica.gov/>