



Bickmore Actuarial

Actuarial Review of the Self-Insured Excess Liability Program

Funding guidelines for program year 2023-24
Outstanding Liabilities as of June 30, 2023

Presented to
Authority for California Cities Excess Liability

March 20, 2023





March 20, 2023

Authority for California Cities Excess Liability
c/o Alliant Insurance Services
Attn: Conor Boughey, Pool Administrator
560 Mission Street, 6th Floor
San Francisco, California 94105

Re: Actuarial Review of the Funding Requirements for the Excess Liability Program

Dear Mr. Boughey:

As you requested, we have completed our actuarial review of the funding requirements for the Authority for California Cities Excess Liability's (ACCEL, the Authority) excess liability program. Our conclusions are documented in the text and exhibits that follow.

At the undiscounted expected level, we estimate the program's liability for outstanding loss and allocated loss adjustment expenses (ALAE) to be approximately \$83,588,000 as of June 30, 2023. We understand the Authority has chosen to record its liability with recognition of investment income at 2% per year. Discounted for anticipated investment income, we estimate the program's liability for outstanding loss and ALAE will be \$78,245,000 as of that date. Further, we recommend the Authority fund a risk margin for potential adverse experience. Including a margin for adverse experience at the 90% confidence level, the required assets for outstanding loss and ALAE as of June 30, 2023 is projected to be \$118,870,000.

The unallocated loss adjustment expenses (ULAE) associated with open claims should be recognized as part of the program's claims liability. ULAE is the additional cost to administer all claims to final settlement, which may be years into the future (e.g. claims adjusters' salaries, taxes, etc.). At the undiscounted expected level, our undiscounted expected estimate of unpaid ULAE is \$2,178,000 as of June 30, 2023. Discounted for anticipated investment income, we estimate the program's liability for unpaid ULAE will be \$2,039,000 as of that date. Including a margin for adverse experience at the 90% confidence level, the required assets for outstanding ULAE as of June 30, 2023 is projected to be \$3,098,000.

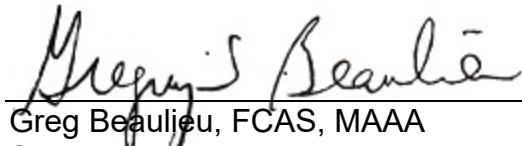
The analysis which made it possible for us to draw our conclusions is based on the data provided by the Authority's program manager Alliant Insurance Services (Alliant). We have accepted all of this information without audit.

The first section of the attached report outlines the scope of our study, its background, and our conclusions, recommendations, detailed funding recommendations, assumptions, and approach to the project. The entire report has been developed for the internal use of the ACCEL, its auditors, and the representatives of its members. It is not intended for general circulation.

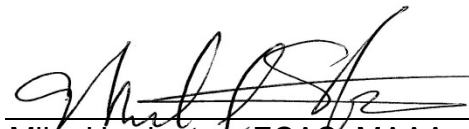
We appreciate the opportunity to be of service to ACCEL in preparing this report. Please feel free to call Greg Beaulieu at (916) 290-4632, Mike Harrington at (916) 244-1162 or David Kim at (916) 244-1166 with any questions you may have concerning this report.

Sincerely,

Bickmore Actuarial



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TABLE OF CONTENTS

I.	BACKGROUND	4
II.	CONCLUSIONS AND RECOMMENDATIONS	
	A. LIABILITY FOR OUTSTANDING CLAIMS	5
	B. FUNDING RATES FOR FUTURE CLAIMS	8
	C. COMPARISON WITH PRIOR RESULTS	9
	D. ASSUMPTIONS AND LIMITATIONS	14
	E. ANALYTICAL APPROACH	16
III.	ANALYSIS EXHIBITS AND SUPPORTING APPENDICES	17

I. BACKGROUND AND PURPOSE OF STUDY

The Authority for California Cities Excess Liability (ACCEL, the Authority) began operations on April 1, 1986. Its purpose is to provide excess liability coverage and to purchase commercial excess insurance on a group basis for California cities. The Authority provides coverage above each member's self-insured retention (SIR), subject to an upper pool limit.

The program currently includes twelve members: Anaheim, Bakersfield, Burbank, Modesto, Monterey, Mountain View, Ontario, Palo Alto, Santa Barbara, Santa Cruz, Santa Monica, and Visalia.

Prior to July 1, 1990, the Authority pooled losses incurred by its members up to \$10,000,000 through two separate pools.

- The first pool was optional and covered the layer from \$500,000 to \$1,000,000 per occurrence (the \$500K pool) and operated during program years 1986-87 to 1989-90. This pool was funded by those members with \$500,000 self-insured retentions during that period. This coverage is no longer available. All claims for this pool have been closed and there are no unpaid losses remaining.
- The second pool was for the layer above \$1,000,000 per occurrence (the \$1M pool) and is funded by all members.

Effective July 1, 1990, ACCEL created a reinsurance pool within the \$9,000,000 excess of \$1,000,000 layer by purchasing \$5,000,000 excess of \$5,000,000 coverage. On July 1, 1997, ACCEL further reduced its exposure and purchased coverage of \$17,000,000 excess of \$3,000,000 coverage.

Due to favorable market conditions, ACCEL purchased coverage of \$19,000,000 excess of \$1,000,000 effective July 1, 1998. Six members with an SIR of \$500,000 purchased additional coverage of \$500,000 excess of \$500,000. On July 1, 2000, nine members purchased insurance of \$19,500,000 excess of \$500,000 and two members had coverage of \$19,000,000 excess of \$1,000,000. The ACCEL layer was fully insured with these limits through June 30, 2003.

Effective July 1, 2003, ACCEL purchased reinsurance covering \$20,000,000 excess of \$2,000,000 and pooled losses in the layer \$1,000,000 excess of \$1,000,000. All members had an SIR of \$1,000,000. Effective July 1, 2004, ACCEL pooled losses in the layer \$2,000,000 excess of \$1,000,000. ACCEL pooled losses in the layer \$4,000,000 excess of \$1,000,000 for the period between 2005-06 and 2015-16 years. For the 2016-17 year, ACCEL pooled losses in the layer \$2,000,000 excess of \$1,000,000.

For 2020-21 program year, ACCEL created a corridor deductible of \$2,000,000 on top of their retention whereby the pool retains the first \$2,000,000 of any amounts that would normally be ceded to their reinsurers. For the 2021-22 program year, ACCEL pools losses in the layer \$9,000,000 excess of \$1,000,000.

II. CONCLUSIONS AND RECOMMENDATIONS

A. LIABILITY FOR OUTSTANDING CLAIMS

At the undiscounted expected level, we estimate the program's liability for outstanding loss and allocated loss adjustment expenses (ALAE) to be approximately \$83,588,000 as of June 30, 2023. We understand the Authority has chosen to record its liability with recognition of investment income at 2% per year. Discounted for anticipated investment income, we estimate the program's liability for outstanding loss and ALAE will be \$78,245,000 as of that date. Further, we recommend the Authority fund a risk margin for potential adverse experience. Including a margin for adverse experience at the 90% confidence level, the required assets for outstanding loss and ALAE as of June 30, 2023 is projected to be \$118,870,000.

The unallocated loss adjustment expenses (ULAE) associated with open claims should be recognized as part of the program's claims liability. ULAE is the additional cost to administer all claims to final settlement, which may be years into the future (e.g. claims adjusters' salaries, taxes, etc.). At the undiscounted expected level, our undiscounted expected estimate of unpaid ULAE is \$2,178,000 as of June 30, 2023. Discounted for anticipated investment income, we estimate the program's liability for unpaid ULAE will be \$2,039,000 as of that date. Including a margin for adverse experience at the 90% confidence level, the required assets for outstanding ULAE as of June 30, 2023 is projected to be \$3,098,000.

The tables below show our estimates of the program’s claims liabilities as of December 31, 2022 and June 30, 2023, on both undiscounted and discounted bases for various confidence levels:

**Outstanding Liability as of December 31, 2022
For Unpaid Loss and LAE**

Confidence Level	Loss and ALAE	Loss and ALAE	ULAE	ULAE
	<u>Undiscounted</u>	<u>Discounted</u>	<u>Undiscounted</u>	<u>Discounted</u>
Expected	\$83,464,000	\$78,778,000	\$2,095,000	\$1,977,000
70%	96,134,000	90,736,000	2,413,000	2,278,000
75%	101,642,000	95,935,000	2,551,000	2,408,000
80%	108,161,000	102,088,000	2,715,000	2,563,000
85%	116,148,000	109,627,000	2,915,000	2,751,000
90%	126,798,000	119,680,000	3,183,000	3,004,000
95%	144,242,000	136,143,000	3,621,000	3,418,000
98%	177,526,000	167,558,000	4,456,000	4,206,000

**Outstanding Liability as of June 30, 2023
For Unpaid Loss and LAE**

Confidence Level	Loss and ALAE	Loss and ALAE	ULAE	ULAE
	<u>Undiscounted</u>	<u>Discounted</u>	<u>Undiscounted</u>	<u>Discounted</u>
Expected	\$83,588,000	\$78,245,000	\$2,178,000	\$2,039,000
70%	96,276,000	90,123,000	2,509,000	2,349,000
75%	101,793,000	95,287,000	2,652,000	2,482,000
80%	108,321,000	101,398,000	2,822,000	2,642,000
85%	116,320,000	108,886,000	3,031,000	2,837,000
90%	126,986,000	118,870,000	3,309,000	3,098,000
95%	144,456,000	135,223,000	3,764,000	3,523,000
98%	177,789,000	166,425,000	4,633,000	4,337,000

Discounted amounts in the tables above assume a 2.0% discount rate. Results at various alternative discount rates are shown in the supporting exhibits.

The outstanding liabilities presented in this section, including ALAE and ULAE, comply with the requirements promulgated by GASB #10. GASB #10 does not address an actual asset requirement for the program, but only speaks to the liability to be recorded on ACCEL’s financial statements. Because actuarial estimates of claims costs are subject to some uncertainty, we recommend that an amount in addition to the discounted expected loss costs be set aside as a risk margin for contingencies.

We generally recommend that risk pools maintain assets for historical liabilities at no less than the 90% confidence level. However, we understand that each entity is unique, and that proper funding levels can vary based on issues such as the organization’s risk tolerance and financial circumstances. All of these items need to be considered when determining a surplus target, which may significantly exceed the 90% confidence level. A detailed assessment of an appropriate surplus target is beyond the scope of this study.

Our estimates of the program's expected claims liabilities, on both undiscounted and discounted bases, by program year are displayed in the following tables as of December 31, 2022 and June 30, 2023:

**Outstanding Liability at the Expected Level
as of December 31, 2022**

Program Year	Loss and ALAE Undiscounted	Loss and ALAE Discounted
Prior	\$0	\$0
2011-2012	0	0
2012-2013	0	0
2013-2014	0	0
2014-2015	1,729,000	1,619,209
2015-2016	1,567,916	1,479,329
2016-2017	4,614,337	4,369,777
2017-2018	14,272,458	13,573,108
2018-2019	7,292,943	6,957,467
2019-2020	10,916,750	10,398,204
2020-2021	9,928,426	9,397,255
2021-2022	24,178,000	22,727,320
2022-2023	8,964,000	8,255,844
All Years	\$83,463,830	\$78,777,513

**Outstanding Liability at the Expected Level
as of June 30, 2023**

Program Year	Undiscounted	Discounted
Prior	\$0	\$0
2011-2012	0	0
2012-2013	0	0
2013-2014	0	0
2014-2015	1,403,948	1,322,519
2015-2016	1,321,753	1,249,057
2016-2017	3,765,299	3,573,269
2017-2018	11,574,964	11,030,940
2018-2019	5,958,334	5,690,209
2019-2020	9,486,655	9,012,323
2020-2021	8,985,226	8,473,068
2021-2022	23,235,058	21,608,604
2022-2023	17,856,288	16,284,935
All Years	\$83,587,525	\$78,244,924

B. FUNDING RATES FOR FUTURE CLAIMS

We present funding guidelines for claims incurred during program year 2023-24 at several confidence levels in the table below. Our recommendations are displayed as rates per \$100 of payroll for various layers. The recommended funding includes anticipated investment income at 2% per year.

Funding Guidelines for Discounted Claims Incurred in 2023-2024

Layer	Expected	75%	80%	85%	90%
\$1M-2M	\$0.417	\$0.524	\$0.562	\$0.610	\$0.672
\$1M-3M	0.680	0.855	0.917	0.994	1.097
\$1M-4M	0.823	1.035	1.110	1.203	1.327
\$1M-5M	0.944	1.187	1.273	1.380	1.522
\$1M-\$10M	1.333	1.676	1.798	1.949	2.150
\$5M-\$10M	0.389	0.489	0.525	0.569	0.627
\$1M-\$15M	1.561	1.963	2.105	2.282	2.517
\$10M-\$15M	0.228	0.287	0.308	0.333	0.368

The following table details the calculation of our funding guidelines in dollars at various confidence levels for the program's 2022-23 claims by different layers:

Funding Amount Guidelines for Discounted Claims Incurred in 2023-2024

Layer	Expected	75%	80%	85%	90%
\$1M-2M	\$6,408,000	\$8,052,000	\$8,636,000	\$9,373,000	\$10,326,000
\$1M-3M	10,449,000	13,138,000	14,091,000	15,274,000	16,857,000
\$1M-4M	12,646,000	15,904,000	17,056,000	18,485,000	20,391,000
\$1M-5M	14,506,000	18,240,000	19,561,000	21,205,000	23,387,000
\$1M-\$10M	20,483,000	25,753,000	27,628,000	29,948,000	33,037,000
\$5M-\$10M	5,977,000	7,514,000	8,067,000	8,743,000	9,635,000
\$1M-\$15M	23,986,000	30,164,000	32,346,000	35,065,000	38,676,000
\$10M-\$15M	3,503,000	4,410,000	4,733,000	5,117,000	5,655,000

We have assumed that payrolls for 2023-24 will be approximately \$1,536,605,000 based upon information provided by ACCEL.

The estimated program costs shown above do not include any provision for reinsurance premiums, claims administration fees, and other administrative costs associated with the ACCEL program. As with the program's outstanding claims, the Authority should fund a margin for adverse experience in addition to the expected cost of claims. We would recommend funding annual costs for excess liability programs in the 80% to 90% confidence level range.

C. COMPARISON WITH PRIOR RESULTS

The following tables detail the changes in our estimates of the Authority's ultimate losses by program year from those of the prior report based upon losses valued as of 12/31/21:

Comparison with Prior Undiscounted Estimated Ultimate Losses (Prior Based upon Losses Valued at December 31, 2021)			
Program Year	Prior Report 12/31/21	Current Report	Change
Prior	\$53,889,000	\$53,889,000	\$0
2008-2009	3,188,000	3,188,000	0
2009-2010	0	0	0
2010-2011	375,000	375,000	0
2011-2012	2,000	2,000	0
2012-2013	4,207,000	4,207,000	0
2013-2014	12,963,000	12,963,000	0
2014-2015	5,680,000	7,409,000	1,729,000
2015-2016	3,976,000	3,943,000	(33,000)
2016-2017	16,684,000	14,032,000	(2,652,000)
2017-2018	13,111,000	18,070,000	4,959,000
2018-2019	15,381,000	15,548,000	167,000
2019-2020	9,410,000	13,691,000	4,281,000
2020-2021	15,805,000	9,928,000	(5,877,000)
2021-2022	16,293,000	24,178,000	7,885,000
All Years	\$170,964,000	\$181,423,000	\$10,459,000

As shown, overall we have increased our estimates of the program's ultimate losses by \$10,459,000 from those displayed in our prior actuarial report dated March 18, 2022. The increase is mainly due to adverse loss development in the 2014-15, 2017-18, 2019-20 and 2021-22 program years.

At the time of the prior report (based upon losses valued at 12/31/21), we estimated the liability for outstanding claims as of June 30, 2022 to be \$60,423,000 at the discounted, expected level. Our current estimate as of June 30, 2023, is \$78,245,000, an increase in our assessment of the Authority's outstanding liabilities, as shown below:

**Comparison with Prior
Outstanding Claim Liabilities for Loss and ALAE
(Prior Based upon Losses Valued at December 31, 2021)**

	Prior Report at June 30, 2022	Current Report at June 30, 2023	Change
Case Reserves:	\$29,214,000	\$42,726,000	\$13,512,000
IBNR Reserves:	35,369,000	40,861,000	5,492,000
Total Reserves:	\$64,583,000	\$83,587,000	\$19,004,000
Offset for Investment Income:	(4,160,000)	(5,342,000)	(1,182,000)
Total Outstanding Claim Liabilities:	\$60,423,000	\$78,245,000	\$17,822,000

As shown, our estimate of outstanding claims liabilities at the discounted, expected level has increased between June 30, 2022 and June 30, 2023 as reflected in our prior and current reports respectively.

Estimated case reserves have increased by \$13,512,000 since the prior evaluation while our estimate of IBNR reserves have increased by \$5,492,000. The overall result is an increase of \$19,004,000 in total claim reserves. This increase in reserves leads to a greater offset for investment income. The net change due to the above factors is an overall increase of \$17,822,000 in our estimate of outstanding claim liabilities for loss and ALAE. It should be noted that the introduction of the \$5M x \$5M layer to the pool starting with 2021-22 is driving much of the increase.

The following tables detail the changes in our estimates of the Authority's ultimate losses by program year from those of the prior report based upon losses valued as of 6/30/22:

**Comparison with Prior
Undiscounted Estimated Ultimate Losses
(Prior Based upon Losses Valued at June 30, 2022)**

Program Year	Prior Report 6/30/22	Current Report	Change
Prior	\$53,889,000	\$53,889,000	\$0
2008-2009	3,188,000	3,188,000	0
2009-2010	0	0	0
2010-2011	375,000	375,000	0
2011-2012	2,000	2,000	0
2012-2013	4,207,000	4,207,000	0
2013-2014	12,963,000	12,963,000	0
2014-2015	6,380,000	7,409,000	1,029,000
2015-2016	3,676,000	3,943,000	267,000
2016-2017	14,423,000	14,032,000	(391,000)
2017-2018	11,365,000	18,070,000	6,705,000
2018-2019	13,718,000	15,548,000	1,830,000
2019-2020	10,080,000	13,691,000	3,611,000
2020-2021	15,169,000	9,928,000	(5,241,000)
2021-2022	16,668,000	24,178,000	7,510,000
All Years	\$166,103,000	\$181,423,000	\$15,320,000

As shown, overall we have increased our estimates of the program's ultimate losses by \$15,320,000 from those displayed in our prior actuarial report dated June 1, 2022. The increase is mainly due to adverse loss development in the four of last five program years.

At the time of the prior report (based upon losses valued at 6/30/22), we estimated the liability for outstanding claims as of June 30, 2022 to be \$60,843,000 at the discounted, expected level. Our current estimate as of June 30, 2023, is \$78,245,000, an increase in our assessment of the Authority's outstanding liabilities, as shown below:

**Comparison with Prior
Outstanding Claim Liabilities for Loss and ALAE
(Prior Based upon Losses Valued at June 30, 2022)**

	Prior Report at June 30, 2022	Current Report at June 30, 2023	Change
Case Reserves:	\$33,641,000	\$42,726,000	\$9,085,000
IBNR Reserves:	31,411,000	40,861,000	9,450,000
Total Reserves:	\$65,052,000	\$83,587,000	\$18,535,000
Offset for Investment Income:	(4,160,000)	(5,342,000)	(1,182,000)
Total Outstanding Claim Liabilities:	\$60,843,000	\$78,245,000	\$17,402,000

As shown, our estimate of outstanding claims liabilities at the discounted, expected level has increased between June 30, 2022 and June 30, 2023 as reflected in our prior and current reports respectively.

Estimated case reserves have increased by \$9,085,000 while our estimate of IBNR reserves also increased by \$9,450,000 due to adverse loss development. The overall result is an increase of \$18,535,000 in total claim reserves. This increase in reserves leads to a larger offset for investment income. The net change due to the above factors is an overall increase of \$17,402,000 in our estimate of outstanding claim liabilities for loss and ALAE.

The following table displays a comparison of the Authority’s projected funding rates from current and prior reports valued at 12/31/21 by various layers.

**Comparison with Prior
Undiscounted Expected Funding Rates**

Layer	Prior Report 2022-23	Current Report 2023-24	Percent Change
\$1M-2M	\$0.427	\$0.453	6.1%
\$1M-3M	0.688	0.738	7.3%
\$1M-4M	0.825	0.893	8.2%
\$1M-5M	0.938	1.025	9.3%
\$1M-10M	1.315	1.447	10.0%
\$5M-10M	0.377	0.422	11.9%
\$1M-\$15M	1.528	1.695	10.9%
\$10M-\$15M	0.213	0.248	16.4%

As you can see, our projected funding rates for the 2023-24 program year have increased for all layers.

These increases, though substantial, are driven by the experience of the Authority over the past year. This is very similar to the increases other excess pools in the industry are receiving.

D. ASSUMPTIONS AND LIMITATIONS

Any quantitative analysis is developed within a very specific framework of assumptions about conditions in the outside world, and actuarial analysis is no exception. We believe that it is important to review the assumptions we have made in developing the estimates presented in this report. By doing so, we hope you will gain additional perspective on the nature of the uncertainties involved in maintaining an excess pooling program. Our assumptions and some observations about them are as follows:

- Our analysis is based on loss experience, exposure data, and other general and specific information you have provided to us. We have accepted all of this information without audit and relied on its accuracy in preparing our estimates for this report. As always, the accuracy and relevance of our conclusions and recommendations are highly dependent on the accuracy and relevance of the underlying data.
- In ACCEL's case, we were provided a list of claims with incurred losses greater than \$25,000 as of December 31, 2022 from individual member cities. This file included ground up losses and allocated loss adjustment expenses reported separately for each claimant. We were also provided with pool loss runs as of December 31, 2022.
- We were provided with payrolls by City for the 1986-87 through 2021-22 program years. The estimated payroll for 2022-23 and 2023-24 was calculated using a 2.5% trend per year.
- We have assumed that the future development of incurred and paid losses can be reasonably predicted on the basis of the development of such losses in the recent past. We have also assumed that the historical development patterns for a large group of California public entities with a self-insured excess liability program in the aggregate form a reasonable basis of comparison to the patterns from the Authority's data.
- We have assumed that there is a continuing relationship between past and future loss costs and between loss costs and payroll. These assumptions can be tenuous in a changing legal and social environment such as we face today.
- It is not possible to predict future claims costs precisely. Most of the cost of liability claims arises from a small number of incidents involving serious injury. Thus, changes in the circumstances surrounding these claims can have large effects on total costs. Therefore, the actual costs of the covered liability claims could differ significantly from our estimates.
- We cannot predict and have not attempted to predict the impact of future law changes and court rulings on liability claims costs. This is one major reason

why we believe our funding recommendations are reasonable now, but should not be extrapolated into the future.

- At your instruction, we have assumed that funds held for investment will generate an annual return of 2% in the long run. It should be noted that actual future investment returns may vary significantly from this assumption, depending upon the prevailing investment market conditions.
- We estimate that the costs associated with liability claims in the \$100,000 to \$1,000,000 per occurrence layer are increasing at 4% per year after changes in exposure.
- The claims costs we have estimated include indemnity payments and allocated loss adjustment expenses. We have not provided estimates for claims adjustment expenses not allocated to particular cases, reinsurance premiums, and Authority administrative expenses.
- We have assumed that all reinsurance coverage purchased by the Authority will prove to be valid and fully collectible.
- Our funding recommendations do not include provision for catastrophic events not in the program's history, such as earthquakes, flooding, fire or mass civil disorder.

E. OVERALL ANALYTICAL APPROACH

The approach we have taken in developing this analysis is firmly grounded in the Authority's loss and exposure data. Our approach to the problem of estimating the program's ultimate pooled loss costs is a multi-step process. We estimated the cost of the \$100,000 to \$1 million layer. We then constructed a mathematical equation for the distribution of the Authority's losses by size by trending and developing the Authority's individual claims.

Next, using the loss distribution, the \$100,000 – \$1,000,000 ultimate loss rate, and our selected loss development patterns, we then estimated the ultimate losses of the excess layers for which the Authority is responsible.

The following actuarial techniques were applied to ACCEL's loss data to estimate the ultimate cost of claims in the \$100,000 - \$1,000,000 layer:

- ◆ Incurred Loss Development
- ◆ Paid Loss Development
- ◆ Bornhuetter-Ferguson Based on Incurred Losses
- ◆ Bornhuetter-Ferguson Based on Paid Losses
- ◆ Frequency Times Severity

Actuarial judgment was used to select among the ultimate losses indicated by the above methods.

The following actuarial techniques were applied to ACCEL's loss data to estimate the ultimate losses in the program's actual pooled layers:

- ◆ Incurred Loss Development
- ◆ Paid Loss Development
- ◆ Bornhuetter-Ferguson

Again, actuarial judgment was used to select among the ultimate losses indicated by the above methods, with heavy emphasis applied to the two methods based on incurred losses.

ULAE is calculated as 3.5% of the sum of all IBNR reserves and half of case reserves.

Authority for California Cities Excess Liability
ACCEL Pooled Layer

Outstanding Liabilities as of December 31, 2022

Loss and Allocated Loss Adjustment Expenses (ALAE)

		Undiscounted	2.00% Discounted 0.944	2.25% Discounted 0.938	2.50% Discounted 0.932	2.75% Discounted 0.925	3.00% Discounted 0.919
Discount Factor							
Confidence Level	CL Factor						
Expected	1.000	83,464,000	78,778,000	78,255,000	77,756,000	77,188,000	76,716,000
70%	1.152	96,134,000	90,736,000	90,135,000	89,559,000	88,905,000	88,362,000
75%	1.218	101,642,000	95,935,000	95,299,000	94,690,000	93,999,000	93,424,000
80%	1.296	108,161,000	102,088,000	101,411,000	100,764,000	100,027,000	99,416,000
85%	1.392	116,148,000	109,627,000	108,900,000	108,204,000	107,414,000	106,757,000
90%	1.519	126,798,000	119,679,000	118,885,000	118,126,000	117,263,000	116,546,000
95%	1.728	144,242,000	136,143,000	135,240,000	134,377,000	133,395,000	132,580,000
98%	2.127	177,526,000	167,558,000	166,447,000	165,385,000	164,176,000	163,173,000

Unallocated Loss Adjustment Expenses (ULAE)

		Undiscounted	2.00% Discounted 0.944	2.25% Discounted 0.938	2.50% Discounted 0.932	2.75% Discounted 0.925	3.00% Discounted 0.919
Discount Factor							
Confidence Level	CL Factor						
Expected	1.000	2,095,000	1,977,000	1,964,000	1,952,000	1,937,000	1,926,000
70%	1.152	2,413,000	2,278,000	2,262,000	2,248,000	2,232,000	2,218,000
75%	1.218	2,551,000	2,408,000	2,392,000	2,377,000	2,359,000	2,345,000
80%	1.296	2,715,000	2,563,000	2,546,000	2,529,000	2,511,000	2,495,000
85%	1.392	2,915,000	2,751,000	2,733,000	2,716,000	2,696,000	2,679,000
90%	1.519	3,183,000	3,004,000	2,984,000	2,965,000	2,944,000	2,926,000
95%	1.728	3,621,000	3,418,000	3,395,000	3,373,000	3,349,000	3,328,000
98%	2.127	4,456,000	4,206,000	4,178,000	4,151,000	4,121,000	4,096,000

Authority for California Cities Excess Liability
ACCEL Pooled Layer

Outstanding Liabilities as of June 30, 2023

Loss and Allocated Loss Adjustment Expenses (ALAE)

		Undiscounted	2.00% Discounted 0.936	2.25% Discounted 0.929	2.50% Discounted 0.922	2.75% Discounted 0.914	3.00% Discounted 0.908
Discount Factor							
Confidence Level	CL Factor						
Expected	1.000	83,588,000	78,245,000	77,625,000	77,054,000	76,413,000	75,869,000
70%	1.152	96,276,000	90,122,000	89,407,000	88,750,000	88,012,000	87,386,000
75%	1.218	101,793,000	95,287,000	94,531,000	93,836,000	93,055,000	92,393,000
80%	1.296	108,321,000	101,398,000	100,593,000	99,853,000	99,023,000	98,318,000
85%	1.392	116,320,000	108,885,000	108,021,000	107,227,000	106,335,000	105,579,000
90%	1.519	126,986,000	118,870,000	117,926,000	117,059,000	116,085,000	115,260,000
95%	1.728	144,456,000	135,223,000	134,150,000	133,164,000	132,056,000	131,117,000
98%	2.127	177,789,000	166,425,000	165,105,000	163,891,000	162,528,000	161,372,000

Unallocated Loss Adjustment Expenses (ULAE)

		Undiscounted	2.00% Discounted 0.936	2.25% Discounted 0.929	2.50% Discounted 0.922	2.75% Discounted 0.914	3.00% Discounted 0.908
Discount Factor							
Confidence Level	CL Factor						
Expected	1.000	2,178,000	2,039,000	2,023,000	2,008,000	1,991,000	1,977,000
70%	1.152	2,509,000	2,349,000	2,330,000	2,313,000	2,294,000	2,277,000
75%	1.218	2,652,000	2,482,000	2,463,000	2,445,000	2,424,000	2,407,000
80%	1.296	2,822,000	2,642,000	2,621,000	2,601,000	2,580,000	2,561,000
85%	1.392	3,031,000	2,837,000	2,815,000	2,794,000	2,771,000	2,751,000
90%	1.519	3,309,000	3,098,000	3,073,000	3,050,000	3,025,000	3,003,000
95%	1.728	3,764,000	3,523,000	3,495,000	3,470,000	3,441,000	3,416,000
98%	2.127	4,633,000	4,337,000	4,302,000	4,271,000	4,235,000	4,205,000

Authority for California Cities Excess Liability
ACCEL Pooled Layer

Discounted Funding Rates and Amounts for 2023-24
Discount Rate = 2.00%

Funding Rates per \$100 of Payroll						
CL Factor	Expected	Confidence Level				
		70%	75%	80%	85%	90%
CL Factor	1.000	1.178	1.257	1.349	1.462	1.613
Loss Layer						
\$1M-2M	0.417	0.491	0.524	0.562	0.610	0.672
\$1M-3M	0.680	0.801	0.855	0.917	0.994	1.097
\$1M-4M	0.823	0.970	1.035	1.110	1.203	1.327
\$1M-5M	0.944	1.112	1.187	1.273	1.380	1.522
\$1M-10M	1.333	1.571	1.676	1.798	1.949	2.150
\$5M-\$10M	0.389	0.458	0.489	0.525	0.569	0.627
\$1M-15M	1.561	1.839	1.963	2.105	2.282	2.517
Indicated Funding Amounts*						
CL Factor	Expected	70%	75%	80%	85%	90%
CL Factor	1.000	1.178	1.257	1.349	1.462	1.613
Loss Layer						
\$1M-2M	6,407,643	7,544,731	8,051,810	8,635,720	9,373,291	10,325,986
\$1M-3M	10,448,914	12,308,206	13,137,973	14,090,668	15,273,854	16,856,557
\$1M-4M	12,646,259	14,905,069	15,903,862	17,056,316	18,485,358	20,390,748
\$1M-5M	14,505,551	17,087,048	18,239,501	19,560,982	21,205,149	23,387,128
\$1M-10M	20,482,945	24,140,065	25,753,500	27,628,158	29,948,431	33,037,008
\$5M-\$10M	5,977,393	7,037,651	7,513,998	8,067,176	8,743,282	9,634,513
\$1M-15M	23,986,404	28,258,166	30,163,556	32,345,535	35,065,326	38,676,348

* Assumes 2023-24 Payroll of \$1,536,605,000

Authority for California Cities Excess Liability
ACCEL Pooled Layer

Discounted Funding Rates and Amounts for 2023-24
Discount Rate = 2.25%

Funding Rates per \$100 of Payroll						
CL Factor	Expected	Confidence Level				
		70%	75%	80%	85%	90%
CL Factor	1.000	1.178	1.257	1.349	1.462	1.613
Loss Layer						
\$1M-2M	0.413	0.487	0.519	0.557	0.604	0.666
\$1M-3M	0.673	0.793	0.846	0.908	0.984	1.085
\$1M-4M	0.814	0.959	1.024	1.098	1.190	1.313
\$1M-5M	0.935	1.102	1.176	1.261	1.367	1.508
\$1M-10M	1.320	1.555	1.660	1.780	1.930	2.129
\$5M-\$10M	0.385	0.454	0.484	0.519	0.563	0.621
\$1M-15M	1.546	1.821	1.944	2.085	2.260	2.493
Indicated Funding Amounts*						
CL Factor	Expected	70%	75%	80%	85%	90%
CL Factor	1.000	1.178	1.257	1.349	1.462	1.613
Loss Layer						
\$1M-2M	6,346,179	7,483,266	7,974,980	8,558,890	9,281,094	10,233,789
\$1M-3M	10,341,352	12,185,278	12,999,678	13,952,373	15,120,193	16,672,164
\$1M-4M	12,507,965	14,736,042	15,734,835	16,871,923	18,285,600	20,175,624
\$1M-5M	14,367,257	16,933,387	18,070,475	19,376,589	21,005,390	23,172,003
\$1M-10M	20,283,186	23,894,208	25,507,643	27,351,569	29,656,477	32,714,320
\$5M-\$10M	5,915,929	6,976,187	7,437,168	7,974,980	8,651,086	9,542,317
\$1M-15M	23,755,913	27,981,577	29,871,601	32,038,214	34,727,273	38,307,563

* Assumes 2023-24 Payroll of \$1,536,605,000

Authority for California Cities Excess Liability
ACCEL Pooled Layer

Discounted Funding Rates and Amounts for 2023-24
Discount Rate = 2.50%

Funding Rates per \$100 of Payroll						
CL Factor	Expected	Confidence Level				
		70%	75%	80%	85%	90%
CL Factor	1.000	1.178	1.257	1.349	1.462	1.613
Loss Layer						
\$1M-2M	0.409	0.482	0.514	0.552	0.598	0.660
\$1M-3M	0.666	0.785	0.837	0.898	0.974	1.074
\$1M-4M	0.806	0.950	1.013	1.087	1.178	1.300
\$1M-5M	0.926	1.091	1.164	1.249	1.354	1.493
\$1M-10M	1.307	1.540	1.643	1.763	1.911	2.108
\$5M-\$10M	0.381	0.449	0.479	0.514	0.557	0.614
\$1M-15M	1.531	1.804	1.925	2.065	2.238	2.469
Indicated Funding Amounts*						
CL Factor	Expected	70%	75%	80%	85%	90%
CL Factor	1.000	1.178	1.257	1.349	1.462	1.613
Loss Layer						
\$1M-2M	6,284,714	7,406,436	7,898,150	8,482,060	9,188,898	10,141,593
\$1M-3M	10,233,789	12,062,349	12,861,384	13,798,713	14,966,533	16,503,138
\$1M-4M	12,385,036	14,597,748	15,565,809	16,702,896	18,101,207	19,975,865
\$1M-5M	14,228,962	16,764,361	17,886,082	19,192,196	20,805,632	22,941,513
\$1M-10M	20,083,427	23,663,717	25,246,420	27,090,346	29,364,522	32,391,633
\$5M-\$10M	5,854,465	6,899,356	7,360,338	7,898,150	8,558,890	9,434,755
\$1M-15M	23,525,423	27,720,354	29,579,646	31,730,893	34,389,220	37,938,777

* Assumes 2023-24 Payroll of \$1,536,605,000

Authority for California Cities Excess Liability
ACCEL Pooled Layer

Discounted Funding Rates and Amounts for 2023-24
Discount Rate = 2.75%

Funding Rates per \$100 of Payroll						
CL Factor	Expected	Confidence Level				
		70%	75%	80%	85%	90%
CL Factor	1.000	1.178	1.257	1.349	1.462	1.613
Loss Layer						
\$1M-2M	0.405	0.477	0.509	0.546	0.592	0.653
\$1M-3M	0.660	0.778	0.830	0.890	0.965	1.064
\$1M-4M	0.798	0.940	1.003	1.076	1.167	1.287
\$1M-5M	0.916	1.079	1.152	1.235	1.339	1.477
\$1M-10M	1.294	1.525	1.627	1.745	1.892	2.087
\$5M-\$10M	0.377	0.444	0.474	0.508	0.551	0.608
\$1M-15M	1.515	1.785	1.905	2.043	2.215	2.443
Indicated Funding Amounts*						
CL Factor	Expected	70%	75%	80%	85%	90%
CL Factor	1.000	1.178	1.257	1.349	1.462	1.613
Loss Layer						
\$1M-2M	6,223,250	7,329,606	7,821,319	8,389,863	9,096,702	10,034,031
\$1M-3M	10,141,593	11,954,787	12,753,822	13,675,785	14,828,238	16,349,477
\$1M-4M	12,262,108	14,444,087	15,412,148	16,533,870	17,932,180	19,776,106
\$1M-5M	14,075,302	16,579,968	17,701,690	18,977,072	20,575,141	22,695,656
\$1M-10M	19,883,669	23,433,226	25,000,563	26,813,757	29,072,567	32,068,946
\$5M-\$10M	5,793,001	6,822,526	7,283,508	7,805,953	8,466,694	9,342,558
\$1M-15M	23,279,566	27,428,399	29,272,325	31,392,840	34,035,801	37,539,260

* Assumes 2023-24 Payroll of \$1,536,605,000

Authority for California Cities Excess Liability
ACCEL Pooled Layer

Discounted Funding Rates and Amounts for 2023-24
Discount Rate = 3.00%

Funding Rates per \$100 of Payroll						
CL Factor	Expected	Confidence Level				
		70%	75%	80%	85%	90%
CL Factor	1.000	1.178	1.257	1.349	1.462	1.613
Loss Layer						
\$1M-2M	0.401	0.472	0.504	0.541	0.586	0.647
\$1M-3M	0.654	0.771	0.822	0.882	0.956	1.055
\$1M-4M	0.791	0.932	0.995	1.067	1.156	1.276
\$1M-5M	0.908	1.070	1.142	1.225	1.327	1.464
\$1M-10M	1.282	1.510	1.612	1.729	1.874	2.067
\$5M-\$10M	0.374	0.441	0.470	0.504	0.547	0.603
\$1M-15M	1.502	1.770	1.889	2.026	2.196	2.422
Indicated Funding Amounts*						
CL Factor	Expected	70%	75%	80%	85%	90%
CL Factor	1.000	1.178	1.257	1.349	1.462	1.613
Loss Layer						
\$1M-2M	6,161,786	7,252,776	7,744,489	8,313,033	9,004,505	9,941,834
\$1M-3M	10,049,397	11,847,225	12,630,893	13,552,856	14,689,944	16,211,183
\$1M-4M	12,154,546	14,321,159	15,289,220	16,395,575	17,763,154	19,607,080
\$1M-5M	13,952,373	16,441,674	17,548,029	18,823,411	20,390,748	22,495,897
\$1M-10M	19,699,276	23,202,736	24,770,073	26,567,900	28,795,978	31,761,625
\$5M-\$10M	5,746,903	6,776,428	7,222,044	7,744,489	8,405,229	9,265,728
\$1M-15M	23,079,807	27,197,909	29,026,468	31,131,617	33,743,846	37,216,573

* Assumes 2023-24 Payroll of \$1,536,605,000

Authority for California Cities Excess Liability

Projected 2023-24 Funding Guidelines

Layer	Estimated 2023-24 Payroll (A)	Expected Ultimate Losses (B)	Discount Factor (C)	Discounted Expected Ultimate Losses (D)	70% Confidence Level (E)	75% Confidence Level (E)	80% Confidence Level (E)	85% Confidence Level (E)	90% Confidence Level (E)	95% Confidence Level (E)
\$1M-2M	\$15,366,050	\$6,960,821	92.1%	\$6,407,643	\$7,544,731	\$8,051,810	\$8,635,720	\$9,373,291	\$10,325,986	\$11,924,055
\$1M-3M	15,366,050	11,340,145	92.1%	10,448,914	12,308,206	13,137,973	14,090,668	15,273,854	16,856,557	19,438,053
\$1M-4M	15,366,050	13,721,883	92.1%	12,646,259	14,905,069	15,903,862	17,056,316	18,485,358	20,390,748	23,525,423
\$1M-5M	15,366,050	15,750,201	92.1%	14,505,551	17,087,048	18,239,501	19,560,982	21,205,149	23,387,128	26,982,784
\$1M-\$10M	15,366,050	22,234,674	92.1%	20,482,945	24,140,065	25,753,500	27,628,158	29,948,431	33,037,008	38,107,804
\$5M-\$10M	15,366,050	6,484,473	92.1%	5,977,393	7,037,651	7,513,998	8,067,176	8,743,282	9,634,513	11,125,020
\$1M-15M	15,366,050	26,045,455	92.1%	23,986,404	28,258,166	30,163,556	32,345,535	35,065,326	38,676,348	44,623,009
\$10M-15M	15,366,050	3,810,780	92.1%	3,503,459	4,133,467	4,410,056	4,732,743	5,116,895	5,654,706	6,515,205

- (A) Provided by ACCEL.
- (B) (A) times funding rates from Exhibit 1, Page 2, (A).
- (C) From Exhibit 3.
- (D) (A) times funding rates from Exhibit 1, Page 2, (C).
- (E) (A) times funding rates from Exhibit 1, Page 2, (D).

Authority for California Cities Excess Liability

Projected 2023-24 Funding Guidelines
Loss Rates per \$100 of Payroll

Layer	Expected Loss Rate Per \$100 of Payroll (A)	Discount Factor (B)	Discounted Expected Loss Rate Per \$100 of Payroll						
			70% Confidence Level (D)	75% Confidence Level (D)	80% Confidence Level (D)	85% Confidence Level (D)	90% Confidence Level (D)	95% Confidence Level (D)	
\$1M-2M	\$0.453	92.1%	\$0.417	\$0.491	\$0.524	\$0.562	\$0.610	\$0.672	\$0.776
\$1M-3M	0.738	92.1%	0.680	0.801	0.855	0.917	0.994	1.097	1.265
\$1M-4M	0.893	92.1%	0.823	0.970	1.035	1.110	1.203	1.327	1.531
\$1M-5M	1.025	92.1%	0.944	1.112	1.187	1.273	1.380	1.522	1.756
\$1M-\$10M	1.447	92.1%	1.333	1.571	1.676	1.798	1.949	2.150	2.480
\$5M-\$10M	0.422	92.1%	0.389	0.458	0.489	0.525	0.569	0.627	0.724
\$1M-15M	1.695	92.1%	1.561	1.839	1.963	2.105	2.282	2.517	2.904
\$10M-15M	0.248	92.1%	0.228	0.269	0.287	0.308	0.333	0.368	0.424

- Notes:
- (A) From Exhibit 1, Page 3 and members' loss distribution.
 - (B) From Exhibit 3.
 - (C) (A) * (B)
 - (D) (C) times Confidence Level Factor from Exhibit 4.

Authority for California Cities Excess Liability
ACCEL Pooled Layer

Selected Base Loss Rate (\$100K - \$1M Layer)

(A) Estimated based on \$1M Ultimate Less \$100K Ultimate	N/A
(B) Estimated based on \$100K - \$1M Analysis:	\$1.630
(C) Selected Base Loss Rate (\$100K - \$1M Layer):	\$1.630

Authority for California Cities Excess Liability
ACCEL Pooled Layer

Funding Guidelines for Outstanding Losses
as of December 31, 2022 and June 30, 2023

	<u>December 31, 2022</u>	<u>June 30, 2023</u>
(A) Estimated Ultimate Losses Incurred as of:	\$190,888,000	\$199,852,000
(B) Estimated Paid Losses as of:	107,424,000	116,264,000
(C) Estimated Liability for Claims Outstanding as of:	\$83,464,000	\$83,588,000
(D) Outstanding Liability Discount Factor:	94.4%	93.6%
(E) Discounted Outstanding Liability for Claims as of:	\$78,778,000	\$78,245,000
(F) Risk Margin at 90% Confidence Level:	40,902,000	40,625,000
(G) Required Funding at the 90% confidence Level:	\$119,680,000	\$118,870,000

Notes:

- (A) From Appendix A, Page 1, Column (A).
- (B) Provided by ACCEL
- (C) (A) - (B)
- (D) From Exhibit 3
- (E) (C) * (D)
- (F) (E) * Confidence Level Factor from Exhibit 4
- (G) (E) + (F)

Authority for California Cities Excess Liability
ACCEL Pooled Layer

Discount Factors

Accident Year	Age	Discount Factors				
		Paid Loss Development Factor	Payment Pattern	Full Value Reserve	2.0% Discounted Reserve	Discount Factor
1989-1990	34.0	1.000	0.0%	0.0%	0.0%	100.0%
1990-1991	33.0	1.000	0.0%	0.0%	0.0%	100.0%
1991-1992	32.0	1.000	0.0%	0.0%	0.0%	100.0%
1992-1993	31.0	1.000	0.0%	0.0%	0.0%	100.0%
1993-1994	30.0	1.000	0.0%	0.0%	0.0%	100.0%
1994-1995	29.0	1.000	0.0%	0.0%	0.0%	100.0%
1995-1996	28.0	1.000	0.0%	0.0%	0.0%	100.0%
1996-1997	27.0	1.000	0.0%	0.0%	0.0%	92.6%
1997-1998	26.0	1.000	0.0%	0.0%	0.0%	83.4%
1998-1999	25.0	1.000	0.0%	0.1%	0.1%	83.4%
1999-2000	24.0	1.001	0.0%	0.1%	0.1%	90.1%
2000-2001	23.0	1.001	0.0%	0.1%	0.1%	90.1%
2001-2002	22.0	1.001	0.1%	0.2%	0.2%	95.2%
2002-2003	21.0	1.002	0.1%	0.3%	0.3%	93.6%
2003-2004	20.0	1.003	0.1%	0.4%	0.4%	92.9%
2004-2005	19.0	1.004	0.2%	0.6%	0.6%	93.9%
2005-2006	18.0	1.006	0.3%	0.9%	0.8%	94.2%
2006-2007	17.0	1.009	0.4%	1.3%	1.2%	94.3%
2007-2008	16.0	1.013	0.5%	1.8%	1.7%	94.0%
2008-2009	15.0	1.018	0.2%	2.0%	1.8%	92.8%
2009-2010	14.0	1.020	0.0%	2.0%	1.8%	90.8%
2010-2011	13.0	1.020	0.0%	2.0%	1.8%	89.2%
2011-2012	12.0	1.020	1.0%	2.9%	2.7%	91.3%
2012-2013	11.0	1.030	0.9%	3.8%	3.5%	91.8%
2013-2014	10.0	1.040	1.9%	5.7%	5.4%	93.1%
2014-2015	9.0	1.061	3.6%	9.3%	8.8%	94.2%
2015-2016	8.0	1.103	4.3%	13.6%	12.9%	94.5%
2016-2017	7.0	1.158	7.9%	21.5%	20.4%	94.9%
2017-2018	6.0	1.274	13.1%	34.6%	33.0%	95.3%
2018-2019	5.0	1.529	20.0%	54.6%	52.1%	95.5%
2019-2020	4.0	2.202	19.5%	74.1%	70.4%	95.0%
2020-2021	3.0	3.854	17.3%	91.4%	86.1%	94.3%
2021-2022	2.0	11.562	7.8%	99.1%	92.2%	93.0%
2022-2023	1.0	115.620	0.9%	100.0%	91.2%	91.2%

Discount Factor for Future Funding: 0.921

Accident Year	Accident Year Paid Loss Development Factor	Full Value Reserve	2.0% Discounted Reserve	12/31/18 Outstanding Loss	Discount Factor	12/31/18		Discount Factor	6/30/19 Outstanding Loss
						Discounted Outstanding Loss	Outstanding Loss		
1986-1989	1.000	0.00%	0.00%	0	100.0%	0	0	100.0%	0
1989-1990	1.000	0.00%	0.00%	0	100.0%	0	0	100.0%	0
1990-1991	1.000	0.00%	0.00%	0	100.0%	0	0	100.0%	0
1991-1992	1.000	0.00%	0.00%	0	96.3%	0	0	92.6%	0
1986-1989	1.000	0.00%	0.00%	0	100.0%	0	0	100.0%	0
1989-1990	1.000	0.00%	0.00%	0	100.0%	0	0	100.0%	0
1990-1991	1.000	0.00%	0.01%	0	100.0%	0	0	100.0%	0
1991-1992	1.000	0.01%	0.01%	0	96.3%	0	0	92.6%	0
1992-1993	1.000	0.01%	0.01%	0	88.0%	0	0	83.4%	0
1993-1994	1.000	0.02%	0.02%	0	83.4%	0	0	83.4%	0
1994-1995	1.000	0.04%	0.04%	0	86.8%	0	0	90.1%	0
1995-1996	1.001	0.06%	0.06%	0	90.1%	0	0	90.1%	0
1996-1997	1.001	0.10%	0.10%	0	92.7%	0	0	95.2%	0
1997-1998	1.001	0.10%	0.09%	0	94.4%	0	0	93.6%	0
2003-2004	1.002	0.20%	0.19%	0	93.3%	0	0	92.9%	0
2004-2005	1.003	0.30%	0.29%	0	93.4%	0	0	93.9%	0
2005-2006	1.004	0.40%	0.38%	0	94.1%	0	0	94.2%	0
2006-2007	1.006	0.60%	0.57%	0	94.3%	0	0	94.3%	0
2007-2008	1.009	0.89%	0.85%	0	94.2%	0	0	94.0%	0
2008-2009	1.018	1.77%	1.70%	0	93.4%	0	0	92.8%	0
2009-2010	1.020	1.96%	1.86%	0	91.8%	0	0	90.8%	0
2010-2011	1.020	1.96%	1.82%	0	90.0%	0	0	89.2%	0
2011-2012	1.020	1.96%	1.79%	0	90.3%	0	0	91.3%	0
2012-2013	1.030	2.91%	2.69%	0	91.6%	0	0	91.8%	0
2013-2014	1.040	3.85%	3.56%	0	92.5%	0	0	93.1%	0
2014-2015	1.061	5.75%	5.38%	1,729,000	93.7%	1,619,209	1,403,948	94.2%	1,322,519
2015-2016	1.103	9.34%	8.83%	1,567,916	94.4%	1,479,329	1,321,753	94.5%	1,249,057
2016-2017	1.158	13.64%	12.92%	4,614,337	94.7%	4,369,777	3,765,299	94.9%	3,573,269
2017-2018	1.274	21.51%	20.45%	14,272,458	95.1%	13,573,108	11,574,964	95.3%	11,030,940
2018-2019	1.529	34.60%	33.01%	7,292,943	95.4%	6,957,467	5,958,334	95.5%	5,690,209
2019-2020	2.202	54.59%	52.15%	10,916,750	95.3%	10,398,204	9,486,655	95.0%	9,012,323
2020-2021	3.854	74.05%	70.40%	9,928,426	94.7%	9,397,255	8,985,226	94.3%	8,473,068
2021-2022	11.562	91.35%	86.15%	24,178,000	94.0%	22,727,320	23,235,058	93.0%	21,608,604
2022-2023	115.620	99.14%	92.17%	8,964,000	92.1%	8,255,844	17,856,288	91.2%	16,284,935
Total				83,463,830		78,777,513	83,587,525		78,244,924

Discount Factor for Outstanding: 94.4%

93.6%

Authority for California Cities Excess Liability
ACCEL Pooled Layer

Confidence Level Factors

Probability	Projected Funding Factor	Outstanding Liability Factor
95	1.860	1.728
90	1.613	1.519
85	1.462	1.392
80	1.349	1.296
75	1.257	1.218
70	1.178	1.152
65	1.109	1.094
60	1.046	1.040
55	0.989	0.991
50	0.938	0.948
45	0.890	0.908
40	0.843	0.867
35	0.796	0.827
30	0.748	0.787
25	0.698	0.744

Authority for California Cities Excess Liability
ACCEL Pooled Layer

Large Losses in the Pool Layer as of 12/31/22

Member (A)	Date of Loss (B)	Fiscal Year (C)	Status (D)	Paid Losses (E)	Reported Incurred Losses (F)
Santa Monica	12/1/86	1986-1987	ReOpen	9,000,000	9,000,000
Burbank	4/1/05	2004-2005	Closed	3,732,201	3,732,201
Santa Monica	9/5/07	2007-2008	Closed	584,023	584,023
Ontario	3/20/08	2007-2008	Closed	515,035	515,035
Ontario	4/26/08	2007-2008	Closed	1,243,490	1,243,490
Anaheim	10/28/08	2008-2009	Closed	857,009	857,009
Burbank	5/15/09	2008-2009	Closed	989,618	989,618
Anaheim	7/21/12	2012-2013	Closed	1,449,645	1,449,645
Burbank	9/26/12	2012-2013	Closed	1,641,201	1,641,201
Anaheim	1/31/13	2012-2013	Closed	978,765	978,765
Santa Monica	9/24/13	2013-2014	Closed	1,966,510	1,966,510
Anaheim	10/11/13	2013-2014	Closed	3,025,672	3,025,672
Bakersfield	1/28/14	2013-2014	Closed	4,000,000	4,000,000
Santa Monica	4/10/14	2013-2014	Closed	3,970,883	3,970,883
Anaheim	9/17/14	2014-2015	Closed	2,930,000	2,930,000
Bakersfield	5/17/15	2014-2015	Closed	2,750,000	2,750,000
Anaheim	7/10/15	2015-2016	Closed	502,543	502,543
Mountain View	2/5/15	2015-2016	ReOpen	0	500,000
Ontario	5/8/16	2015-2016	Closed	798,632	798,632
Anaheim	7/2/16	2016-2017	Open	0	2,000,000
Burbank	10/4/16	2016-2017	Closed	1,203,430	1,203,430
Ontario	10/5/16	2016-2017	Closed	2,000,000	2,000,000
Santa Cruz	10/16/16	2016-2017	Closed	741,710	741,710
Santa Monica	11/10/16	2016-2017	Closed	531,443	531,443
Anaheim	11/19/16	2016-2017	Closed	919,639	919,639
Modesto	12/10/16	2016-2017	Open	0	2,000,000
Santa Monica	3/22/17	2016-2017	Closed	2,000,000	2,000,000
Santa Monica	4/13/17	2016-2017	Open	2,000,000	2,000,000
Santa Cruz	11/14/17	2017-2018	Open	0	2,000,000
Palo Alto	12/3/17	2017-2018	Open	0	4,000,000
Anaheim	3/2/18	2017-2018	Closed	1,314,125	1,314,125
Anaheim	3/27/18	2017-2018	Closed	1,504,712	1,504,712
Anaheim	7/21/18	2018-2019	Closed	1,905,350	1,905,350
Santa Monica	8/10/18	2018-2019	Closed	504,397	504,397
Burbank	10/12/18	2018-2019	Closed	3,102,194	3,102,194
Santa Monica	1/9/19	1991-1992	Closed	2,000,000	2,000,000
Salinas	3/1/19	2018-2019	Closed	1,031,389	1,031,389
Anaheim	4/4/19	2018-2019	Closed	1,711,727	1,711,727
Santa Monica	7/14/19	2019-2020	Closed	1,329,919	1,329,919
Anaheim	6/24/16	2015-2016	Closed	860,854	860,854
Bakersfield	7/5/17	2017-2018	Closed	946,440	946,440
Santa Cruz	6/11/18	2017-2018	Open	0	4,000,000
Anaheim	10/27/18	2018-2019	Open	0	4,000,000
Anaheim	12/12/19	2019-2020	Closed	1,444,331	1,444,331
Santa Monica	5/31/20	2019-2020	Open	0	1,000,000
Modesto	9/21/15	2015-2016	Open	0	700,000
Anaheim	4/30/20	2019-2020	Open	0	2,000,000
Anaheim	9/28/21	2021-2022	Open	0	9,000,000
Modesto	10/17/14	2014-2015	Open	0	1,500,000
Bakersfield	11/4/17	2017-2018	Open	0	2,000,000
Modesto	11/6/17	2017-2018	Open	0	1,000,000
Bakersfield	8/19/18	2018-2019	Open	0	1,750,000
Ontario	7/19/19	2019-2020	Open	0	4,000,000
Santa Monica	8/15/19	2019-2020	Open	0	750,000
Santa Monica	9/3/19	2019-2020	Open	0	500,000
Santa Monica	5/29/21	2020-2021	Open	0	500,000
Burbank	1/3/22	2021-2022	Open	0	4,000,000

Authority for California Cities Excess Liability
ACCEL Layer

Outstanding Liability at December 31, 2022

Accident Year	Ultimate Losses With Corridor (A)	12/31/22 Reported Loss (B)	12/31/22 IBNR (C)	12/31/22 Paid Loss (D)	12/31/22 Case Reserves (E)	12/31/22 Outstanding Loss (F)
1986-1987	0	0	0	0	0	0
1987-1988	500,000	500,000	0	500,000	0	0
1988-1989	0	0	0	0	0	0
1989-1990	0	0	0	0	0	0
Totals	\$500,000	\$500,000	\$0	\$500,000	\$0	\$0
1986-1989	9,724,542	9,724,542	0	9,724,542	0	0
1989-1990	0	0	0	0	0	0
1990-1991	0	0	0	0	0	0
1991-1992	2,501,191	2,501,191	0	2,501,191	0	0
1992-1993	10,538,558	10,538,558	0	10,538,558	0	0
1993-1994	877,168	877,168	0	877,168	0	0
1994-1995	1,439,192	1,439,192	0	1,439,192	0	0
1995-1996	912,141	912,141	0	912,141	0	0
1996-1997	2,388,970	2,388,970	0	2,388,970	0	0
1997-1998	2,083,463	2,083,463	0	2,083,463	0	0
2003-2004	3,526,085	3,526,085	0	3,526,085	0	0
2004-2005	9,967,624	9,967,624	0	9,967,624	0	0
2005-2006	4,457,753	4,457,753	0	4,457,753	0	0
2006-2007	621,098	621,098	0	621,098	0	0
2007-2008	4,851,132	4,851,132	0	4,851,132	0	0
2008-2009	3,187,935	3,187,935	0	3,187,935	0	0
2009-2010	0	0	0	0	0	0
2010-2011	375,159	375,159	0	375,159	0	0
2011-2012	2,274	2,274	0	2,274	0	0
2012-2013	4,206,743	4,206,743	0	4,206,743	0	0
2013-2014	12,963,065	12,963,065	0	12,963,065	0	0
2014-2015	7,409,000	7,180,000	229,000	5,680,000	1,500,000	1,729,000
2015-2016	3,943,000	3,575,084	367,916	2,375,084	1,200,000	1,567,916
2016-2017	14,032,000	13,417,663	614,337	9,417,663	4,000,000	4,614,337
2017-2018	18,070,000	16,797,542	1,272,458	3,797,542	13,000,000	14,272,458
2018-2019	15,548,000	14,005,057	1,542,943	8,255,057	5,750,000	7,292,943
2019-2020	13,691,000	11,024,250	2,666,750	2,774,250	8,250,000	10,916,750
2020-2021	9,928,426	500,000	9,428,426	0	500,000	9,928,426
2021-2022	24,178,000	13,000,000	11,178,000	0	13,000,000	24,178,000
2022-2023	8,964,000	0	8,964,000	0	0	8,964,000
Totals	\$190,387,519	\$154,123,690	\$36,263,829	\$106,923,689	\$47,200,000	\$83,463,830
Grand Totals	\$190,887,519	\$154,623,690	\$36,263,829	\$107,423,689	\$47,200,000	\$83,463,830

Notes:

- (A) From Appendix A, Page 3, Column (G).
- (B) Provided by ACCEL
- (C) (A) - (B)
- (D) Provided by ACCEL
- (F) (B) - (D)
- (F) (D) - (A)

Authority for California Cities Excess Liability
ACCEL Layer

Outstanding Liability at June 30, 2023

Accident Year	Ultimate Losses (A)	6/30/2023 Reported Loss (B)	6/30/2023 IBNR (C)	6/30/2023 Paid Loss (D)	6/30/2023 Case Reserves (E)	6/30/2023 Outstanding Loss (F)
1986-1987	0	0	0	0	0	0
1987-1988	500,000	500,000	0	500,000	0	0
1988-1989	0	0	0	0	0	0
1989-1990	0	0	0	0	0	0
Totals	\$500,000	\$500,000	\$0	\$500,000	\$0	\$0
1986-1989	9,724,542	9,724,542	0	9,724,542	0	0
1989-1990	0	0	0	0	0	0
1990-1991	0	0	0	0	0	0
1991-1992	2,501,191	2,501,191	0	2,501,191	0	0
1992-1993	10,538,558	10,538,558	0	10,538,558	0	0
1993-1994	877,168	877,168	0	877,168	0	0
1994-1995	1,439,192	1,439,192	0	1,439,192	0	0
1995-1996	912,141	912,141	0	912,141	0	0
1996-1997	2,388,970	2,388,970	0	2,388,970	0	0
1997-1998	2,083,463	2,083,463	0	2,083,463	0	0
2003-2004	3,526,085	3,526,085	0	3,526,085	0	0
2004-2005	9,967,624	9,967,624	0	9,967,624	0	0
2005-2006	4,457,753	4,457,753	0	4,457,753	0	0
2006-2007	621,098	621,098	0	621,098	0	0
2007-2008	4,851,132	4,851,132	0	4,851,132	0	0
2008-2009	3,187,935	3,187,935	0	3,187,935	0	0
2009-2010	0	0	0	0	0	0
2010-2011	375,159	375,159	0	375,159	0	0
2011-2012	2,274	2,274	0	2,274	0	0
2012-2013	4,206,743	4,206,743	0	4,206,743	0	0
2013-2014	12,963,065	12,963,065	0	12,963,065	0	0
2014-2015	7,409,000	7,219,388	189,612	6,005,052	1,214,336	1,403,948
2015-2016	3,943,000	3,633,950	309,050	2,621,247	1,012,704	1,321,753
2016-2017	14,032,000	13,521,486	510,514	10,266,701	3,254,785	3,765,299
2017-2018	18,070,000	17,003,680	1,066,320	6,495,036	10,508,644	11,574,964
2018-2019	15,548,000	14,281,244	1,266,756	9,589,666	4,691,578	5,958,334
2019-2020	13,691,000	11,565,601	2,125,399	4,204,345	7,361,256	9,486,655
2020-2021	9,928,426	2,083,976	7,844,450	943,200	1,140,775	8,985,226
2021-2022	24,178,000	14,251,936	9,926,064	942,942	13,308,994	23,235,058
2022-2023	17,928,000	304,776	17,623,224	71,712	233,064	17,856,288
Totals	\$199,351,519	\$158,490,130	\$40,861,389	\$115,763,994	\$42,726,136	\$83,587,525
Grand Totals	\$199,851,519	\$158,990,130	\$40,861,389	\$116,263,994	\$42,726,136	\$83,587,525

Notes:

- (A) From Appendix A, Page 3, Column (G).
- (B) Projected based on Appendix A, Page 4, Column (B).
- (C) (A) - (B)
- (D) Projected based on Appendix A, Page 5, Column (B).
- (F) (B) - (D)
- (F) (D) - (A)

Authority for California Cities Excess Liability
ACCEL Layer

Estimated Ultimate Losses

Accident Year	Reported Loss Development Method (A)	Paid Loss Development Method (B)	Expected Loss Method (C)	Prior Estimate of Ultimate Losses (D)	Selected Estimate of Ultimate Losses (E)	Selected Corridor Deductible Ultimate (F)	Selected Estimate of Ultimate Losses w/ Corridor (G)
1986-1987	0	0		0	0	0	0
1987-1988	500,000	500,000		500,000	500,000	0	500,000
1988-1989	0	0		0	0	0	0
1989-1990	0	0		0	0	0	0
Totals	\$500,000	\$500,000		\$500,000	\$500,000	\$0	\$500,000
1986-1989	9,724,542	9,724,542		9,724,542	9,724,542	0	9,724,542
1989-1990	0	0		0	0	0	0
1990-1991	0	0		0	0	0	0
1991-1992	2,501,191	2,501,191		2,501,191	2,501,191	0	2,501,191
1992-1993	10,538,558	10,538,558		10,538,558	10,538,558	0	10,538,558
1993-1994	877,168	878,045		877,168	877,168	0	877,168
1994-1995	1,439,192	1,440,631		1,439,192	1,439,192	0	1,439,192
1995-1996	912,141	913,053		912,141	912,141	0	912,141
1996-1997	2,388,970	2,391,359		2,388,970	2,388,970	0	2,388,970
1997-1998	2,083,463	2,085,546		2,083,463	2,083,463	0	2,083,463
2003-2004	3,526,085	3,540,189		3,526,085	3,526,085	0	3,526,085
2004-2005	9,977,591	10,027,429		9,967,624	9,967,624	0	9,967,624
2005-2006	4,466,669	4,497,873	4,467,000	4,457,753	4,457,753	0	4,457,753
2006-2007	623,582	629,172	641,000	621,098	621,098	0	621,098
2007-2008	4,894,770	4,938,366	4,899,000	4,851,132	4,851,132	0	4,851,132
2008-2009	3,219,814	3,251,694	3,247,000	3,187,935	3,187,935	0	3,187,935
2009-2010	0	0	91,000	0	0	0	0
2010-2011	382,662	382,662	501,000	375,159	375,159	0	375,159
2011-2012	2,331	2,342	166,000	2,274	2,274	0	2,274
2012-2013	4,332,945	4,375,013	4,409,000	4,206,743	4,206,743	0	4,206,743
2013-2014	13,481,588	13,753,812	13,247,000	12,963,065	12,963,065	0	12,963,065
2014-2015	7,617,980	6,265,040	7,638,000	6,380,000	7,409,000	0	7,409,000
2015-2016	3,907,567	2,750,347	4,310,000	3,676,452	3,943,000	0	3,943,000
2016-2017	15,403,477	11,998,103	14,303,000	14,423,200	14,032,000	0	14,032,000
2017-2018	20,728,167	5,806,441	18,765,000	11,365,053	18,070,000	0	18,070,000
2018-2019	19,873,176	18,177,636	17,378,000	13,718,272	15,548,000	0	15,548,000
2019-2020	21,905,186	10,691,961	17,302,000	10,079,666	13,691,000	0	13,691,000
2020-2021	1,987,000	0	10,078,000	15,168,677	9,078,000	850,426	9,928,426
2021-2022	361,634,000	0	31,689,000	16,667,500	24,178,000	0	24,178,000
2022-2023	0	0	20,715,000	17,928,000	17,928,000	0	17,928,000
Totals	\$528,429,815	\$131,561,005	\$173,846,000	\$184,030,911	\$198,501,093	\$850,426	\$199,351,519
Grand Totals	\$528,929,815	\$132,061,005		\$184,530,911	\$199,001,093	\$850,426	\$199,851,519

Notes:

- (A) From Appendix A, Page 4, Column (C).
- (B) From Appendix A, Page 5, Column (C).
- (C) From Appendix A, Page 6, Column (K).
- (D) From prior actuarial study.
- (E) Selected based on (A) through (D).
- (F) Based on Monte Carlo simulation.
- (G) (E) + (F)

Authority for California Cities Excess Liability
ACCEL Layer

Reported Loss Development

Accident Year	Reported Losses as of 12/31/22 (A)	Reported Loss Development Factor (B)	Estimated Ultimate Losses (C)
1986-1987	0	1.000	0
1987-1988	500,000	1.000	500,000
1988-1989	0	1.000	0
1989-1990	0	1.000	0
Totals	\$500,000		\$500,000
1986-1989	9,724,542	1.000	9,724,542
1989-1990	0	1.000	0
1990-1991	0	1.000	0
1991-1992	2,501,191	1.000	2,501,191
1992-1993	10,538,558	1.000	10,538,558
1993-1994	877,168	1.000	877,168
1994-1995	1,439,192	1.000	1,439,192
1995-1996	912,141	1.000	912,141
1996-1997	2,388,970	1.000	2,388,970
1997-1998	2,083,463	1.000	2,083,463
2003-2004	3,526,085	1.000	3,526,085
2004-2005	9,967,624	1.001	9,977,591
2005-2006	4,457,753	1.002	4,466,669
2006-2007	621,098	1.004	623,582
2007-2008	4,851,132	1.009	4,894,770
2008-2009	3,187,935	1.010	3,219,814
2009-2010	0	1.015	0
2010-2011	375,159	1.020	382,662
2011-2012	2,274	1.025	2,331
2012-2013	4,206,743	1.030	4,332,945
2013-2014	12,963,065	1.040	13,481,588
2014-2015	7,180,000	1.061	7,617,980
2015-2016	3,575,084	1.093	3,907,567
2016-2017	13,417,663	1.148	15,403,477
2017-2018	16,797,542	1.234	20,728,167
2018-2019	14,005,057	1.419	19,873,176
2019-2020	11,024,250	1.987	21,905,186
2020-2021	500,000	3.974	1,987,000
2021-2022	13,000,000	27.818	361,634,000
2022-2023	0	417.270	0
Totals	\$154,123,690		\$528,429,815
Grand Totals	\$154,623,690		\$528,929,815

Notes:

- (A) Provided by ACCEL
- (B) (C) from Appendix B, Page 3.
- (C) (A) x (B).

Authority for California Cities Excess Liability
ACCEL Layer

Paid Loss Development

Accident Year	Paid Losses as of 12/31/22 (A)	Paid Loss Development Factor (B)	Estimated Ultimate Losses (C)
1986-1987	0	1.000	0
1987-1988	500,000	1.000	500,000
1988-1989	0	1.000	0
1989-1990	0	1.000	0
Totals	\$500,000		\$500,000
1986-1989	9,724,542	1.000	9,724,542
1989-1990	0	1.000	0
1990-1991	0	1.000	0
1991-1992	2,501,191	1.000	2,501,191
1992-1993	10,538,558	1.000	10,538,558
1993-1994	877,168	1.001	878,045
1994-1995	1,439,192	1.001	1,440,631
1995-1996	912,141	1.001	913,053
1996-1997	2,388,970	1.001	2,391,359
1997-1998	2,083,463	1.001	2,085,546
2003-2004	3,526,085	1.004	3,540,189
2004-2005	9,967,624	1.006	10,027,429
2005-2006	4,457,753	1.009	4,497,873
2006-2007	621,098	1.013	629,172
2007-2008	4,851,132	1.018	4,938,366
2008-2009	3,187,935	1.020	3,251,694
2009-2010	0	1.020	0
2010-2011	375,159	1.020	382,662
2011-2012	2,274	1.030	2,342
2012-2013	4,206,743	1.040	4,375,013
2013-2014	12,963,065	1.061	13,753,812
2014-2015	5,680,000	1.103	6,265,040
2015-2016	2,375,084	1.158	2,750,347
2016-2017	9,417,663	1.274	11,998,103
2017-2018	3,797,542	1.529	5,806,441
2018-2019	8,255,057	2.202	18,177,636
2019-2020	2,774,250	3.854	10,691,961
2020-2021	0	11.562	0
2021-2022	0	115.620	0
2022-2023	0	2,312.400	0
Totals	\$106,923,689		\$131,561,005
Grand Totals	\$107,423,689		\$132,061,005

Notes:

- (A) Provided by ACCEL
- (B) (C) from Appendix B, Page 4.
- (C) (A) x (B).

Authority for California Cities Excess Liability
ACCEL Layer

Expected Loss Methods

Program Year	Program Year 2023-2024 \$100K-\$1M Base Rate (A)	Trend Factor Program Year (B)	Program Year \$100K-\$1M Base Rate (C)	Factor to Self-Insured Layer (D)	Program Year Self-Insured Expected Rate (E)	Program Year Payroll (F)	Program Year Preliminary Ultimate Losses (G)	Percent of Ultimate Losses Not Reported (H)	Estimated Program Year IBNR at 12/31/22 (I)	Program Year Reported Losses at 12/31/22 (J)	Program Year Estimated Ultimate Losses (K)
2005-2006	\$1.630	0.453	0.738	0.629	0.464	\$9,850,045	\$4,573,000	0.2%	\$9,128	\$4,457,753	\$4,467,000
2006-2007	1.630	0.473	0.771	0.629	0.485	10,305,894	5,000,000	0.4%	19,920	621,098	641,000
2007-2008	1.630	0.494	0.806	0.629	0.507	10,609,082	5,378,000	0.9%	47,947	4,851,132	4,899,000
2008-2009	1.630	0.517	0.842	0.629	0.530	11,307,152	5,990,000	1.0%	59,307	3,187,935	3,247,000
2009-2010	1.630	0.540	0.880	0.629	0.554	11,075,957	6,132,000	1.5%	90,621	0	91,000
2010-2011	1.630	0.564	0.920	0.629	0.579	11,097,108	6,420,000	2.0%	125,882	375,159	501,000
2011-2012	1.630	0.590	0.961	0.629	0.605	11,095,468	6,708,000	2.4%	163,610	2,274	166,000
2012-2013	1.630	0.616	1.004	0.629	0.632	10,966,401	6,928,000	2.9%	201,786	4,206,743	4,409,000
2013-2014	1.630	0.644	1.050	0.629	0.660	11,164,240	7,371,000	3.8%	283,500	12,963,065	13,247,000
2014-2015	1.630	0.673	1.097	0.629	0.690	11,556,443	7,973,000	5.7%	458,391	7,180,000	7,638,000
2015-2016	1.630	0.703	1.146	0.629	0.721	11,986,752	8,642,000	8.5%	735,321	3,575,084	4,310,000
2016-2017	1.630	0.735	1.198	0.453	0.543	12,662,643	6,871,000	12.9%	885,808	13,417,663	14,303,000
2017-2018	1.630	0.768	1.252	0.629	0.787	13,177,894	10,375,000	19.0%	1,967,382	16,797,542	18,765,000
2018-2019	1.630	0.802	1.308	0.629	0.823	13,884,423	11,423,000	29.5%	3,372,965	14,005,057	17,378,000
2019-2020	1.630	0.839	1.367	0.629	0.860	14,699,647	12,638,000	49.7%	6,277,658	11,024,250	17,302,000
2020-2021	1.630	0.876	1.428	0.629	0.898	14,245,854	12,799,000	74.8%	9,578,316	500,000	10,078,000
2021-2022	1.630	0.916	1.493	0.888	1.325	14,625,633	19,386,000	96.4%	18,689,113	13,000,000	31,689,000
2022-2023	1.630	0.957	1.560	0.888	1.385	14,991,280	20,765,000	99.8%	20,715,236	0	20,715,000

Authority for California Cities Excess Liability
ACCEL Layer

Expected Loss Rates

Accident Year	Program Year Payroll	Ultimate Loss	On-Level Losses	Loss Rate	Loss Rate Trend	Trended Loss Rate
1986-1987	1,008,086	0	0	0.000	2.634	0.000
1987-1988	998,109	500,000	500,000	0.501	2.521	1.263
1988-1989	1,146,083	0	0	0.000	2.412	0.000
1989-1990	1,208,157	0	0	0.000	2.308	0.000
Totals	\$4,360,436	\$500,000	\$500,000	0.115		0.316
1986-1989	4,030,134	9,724,542	9,724,542	2.413	5.323	12.844
1989-1990	4,399,059	0	0	0.000	5.094	0.000
1990-1991	4,875,491	0	0	0.000	4.875	0.000
1991-1992	5,277,443	2,501,191	2,501,191	0.474	4.665	2.211
1992-1993	5,310,299	10,538,558	10,538,558	1.985	4.464	8.861
1993-1994	5,635,666	877,168	877,168	0.156	4.272	0.666
1994-1995	6,004,411	1,439,192	1,439,192	0.240	4.088	0.981
1995-1996	6,102,690	912,141	912,141	0.149	3.912	0.583
1996-1997	6,502,472	2,388,970	2,388,970	0.367	3.744	1.374
1997-1998	6,972,985	2,083,463	2,083,463	0.299	3.583	1.071
2003-2004	9,103,267	3,526,085	3,526,085	0.387	2.411	0.933
2004-2005	9,374,402	9,967,624	9,967,624	1.063	2.307	2.452
2005-2006	9,850,045	4,457,753	4,457,753	0.453	2.208	1.000
2006-2007	10,305,894	621,098	621,098	0.060	2.113	0.127
2007-2008	10,609,082	4,851,132	4,851,132	0.457	2.022	0.924
2008-2009	11,307,152	3,187,935	3,187,935	0.282	1.935	0.546
2009-2010	11,075,957	0	0	0.000	1.852	0.000
2010-2011	11,097,108	375,159	375,159	0.034	1.772	0.060
2011-2012	11,095,468	2,274	2,274	0.000	1.696	0.000
2012-2013	10,966,401	4,206,743	4,206,743	0.384	1.623	0.623
2013-2014	11,164,240	12,963,065	12,963,065	1.161	1.553	1.803
2014-2015	11,556,443	7,409,000	7,409,000	0.641	1.486	0.953
2015-2016	11,986,752	3,943,000	3,943,000	0.329	1.422	0.468
2016-2017	12,662,643	14,032,000	14,032,000	1.108	1.361	1.508
2017-2018	13,177,894	18,070,000	18,070,000	1.371	1.302	1.785
2018-2019	13,884,423	15,548,000	15,548,000	1.120	1.246	1.396
2019-2020	14,699,647	13,691,000	13,691,000	0.931	1.192	1.110
2020-2021	14,245,854	9,928,426	9,928,426	0.697	1.141	0.795
2021-2022	14,625,633	24,178,000	24,178,000	1.653	1.092	1.805
2022-2023	14,991,280	17,928,000	17,928,000	1.196	1.045	1.250
Totals	\$292,890,236	\$199,351,519	\$199,351,519	0.681		1.604
86/87-97/98	55,110,650	30,465,225	30,465,225	0.553		2.859

Selected Trend: 1.045

Authority for California Cities Excess Liability - Liability (\$100K - \$1M Analysis)

Estimated Loss Rates for the \$100,000 - \$1,000,000 Layer

Accident Year	Estimated Ultimate \$100K - \$1M Losses (C)	Payroll (\$00's) (D)	Loss Trend Factor (E)	Loss Rate at 2022-2023 Level (F)
2013-2014	15,278,000	13,944,136	1.486	1.628
2014-2015	14,085,000	14,087,304	1.422	1.422
2015-2016	12,966,000	14,252,248	1.361	1.238
2016-2017	20,766,000	14,688,666	1.302	1.841
2017-2018	17,856,000	14,917,376	1.246	1.491
2018-2019	19,193,000	14,968,625	1.193	1.530
2019-2020	22,382,000	15,135,993	1.141	1.687
2020-2021	20,683,000	14,288,287	1.092	1.581
2021-2022	21,629,000	14,319,205	1.045	1.578
Average 2013-14 - 2021-22:				1.555
Average 2013-14 - 2020-21:				1.552
Average 2015-16 - 2021-22:				1.564
Prior 2021-2022 Rate :				1.550
Selected 2022-2023 Rate :				1.560
Trend Factor to 2023-2024 :				1.045
Selected 2023-2024 Rate :				\$1.630

Authority for California Cities Excess Liability - Liability (\$100K - \$1M Analysis)

Estimated Ultimate Losses for the \$100,000 to \$1,000,000 Layer

Accident Year	Reported Loss Development Method (A)	Paid Loss Development Method (B)	Exposure Method Based on Reported Losses (C)	Exposure Method Based on Paid Losses (D)	Frequency-Severity Method (E)	Selected Ultimate Limited Losses (F)
2013-2014	15,362,102	15,193,697	15,364,318	15,191,318	15,278,004	15,278,000
2014-2015	13,800,246	14,370,074	13,811,399	14,348,769	14,085,001	14,085,000
2015-2016	12,490,735	13,441,119	12,503,044	13,390,678	12,966,004	12,966,000
2016-2017	20,698,169	20,833,974	20,691,337	20,823,996	20,765,976	20,766,000
2017-2018	17,584,267	17,753,035	17,691,689	18,020,424	18,780,120	17,856,000
2018-2019	17,683,602	20,745,447	18,033,748	20,352,372	19,941,327	19,193,000
2019-2020	22,441,047	25,278,862	22,035,738	22,728,876	24,268,155	22,382,000
2020-2021	20,009,771	22,726,488	20,263,263	21,103,375	23,571,438	20,683,000
2021-2022	17,740,662	35,729,953	20,633,291	22,623,977	26,870,832	21,629,000
Totals						\$164,838,000

Notes:

- (A) From Appendix B, Page 3, Column (D).
- (B) From Appendix B, Page 4, Column (D).
- (C) Based on results in Appendix B, Page 5.
- (D) Based on results in Appendix B, Page 6.
- (E) Based on results in Appendix B, Page 8.
- (F) Selected averages of (A), (B), (C), (D), and (E).

This exhibit summarizes the results of the actuarial methods we have applied to estimate limited losses for each year. These results are used to select a limited loss rate for future years.

Authority for California Cities Excess Liability - Liability (\$100K - \$1M Analysis)

Reported Loss Development

Accident Year (A)	\$100K - \$1M Reported Losses as of 12/31/22 (B)	Reported Loss Development Factor (C)	Ultimate \$100K - \$1M Losses (D)	\$100K - \$1M Reported Losses of 12/31/22 (E)	Reported Loss Development Factor (F)	Ultimate \$100K - \$1M Losses (G)
2013-2014	15,135,076	1.015	15,362,102	15,135,076	1.015	15,362,102
2014-2015	13,529,653	1.020	13,800,246	13,529,653	1.020	13,800,246
2015-2016	12,126,927	1.030	12,490,735	12,126,927	1.030	12,490,735
2016-2017	19,902,086	1.040	20,698,169	19,902,086	1.040	20,698,169
2017-2018	16,102,809	1.092	17,584,267	16,102,809	1.092	17,584,267
2018-2019	14,724,065	1.201	17,683,602	14,724,065	1.201	17,683,602
2019-2020	16,249,853	1.381	22,441,047	16,249,853	1.381	22,441,047
2020-2021	12,075,903	1.657	20,009,771	12,075,903	1.657	20,009,771
2021-2022	4,655,120	3.811	17,740,662	4,655,120	3.811	17,740,662
Totals	\$124,501,492		\$157,810,601	\$124,501,492		\$157,810,601

Notes:

- (A) Years are 7/1 to 6/30.
- (B) Provided by the Authority. These losses exclude amount over the SIR.
- (C) Based upon Industry Loss Development Factors.
- (D) (B) x (C). These estimated losses exclude amount over the SIR.
- (E) Losses capped at the Authority's SIR. Amounts are provided by the Authority.
- (F) Based upon Industry Loss Development Factors.
- (G) (E) x (F).

This method tends to understate ultimate losses for the most recent several years because the large losses for those years generally have not yet emerged at the time of our review.

This exhibit shows the calculation of estimated ultimate losses for each year based on paid losses and case reserves as reported by the claims administrator. These losses tend to "develop" or change from period to period as more information becomes available about the cases. This development tends to follow quantifiable patterns over time.

Authority for California Cities Excess Liability - Liability (\$100K - \$1M Analysis)

Paid Loss Development

Accident Year (A)	\$100K - \$1M Paid Losses as of 12/31/22 (B)	Paid Loss Development Factor (C)	Ultimate \$100K - \$1M Losses (D)	\$100K - \$1M Paid Losses of 12/31/22 (E)	Paid Loss Development Factor (F)	Ultimate \$100K - \$1M Losses (G)
2013-2014	14,595,290	1.041	15,193,697	14,595,290	1.041	15,193,697
2014-2015	13,404,920	1.072	14,370,074	13,404,920	1.072	14,370,074
2015-2016	12,054,815	1.115	13,441,119	12,054,815	1.115	13,441,119
2016-2017	17,791,609	1.171	20,833,974	17,791,609	1.171	20,833,974
2017-2018	13,783,412	1.288	17,753,035	13,783,412	1.288	17,753,035
2018-2019	11,929,527	1.739	20,745,447	11,929,527	1.739	20,745,447
2019-2020	10,381,463	2.435	25,278,862	10,381,463	2.435	25,278,862
2020-2021	4,666,630	4.870	22,726,488	4,666,630	4.870	22,726,488
2021-2022	2,445,582	14.610	35,729,953	2,445,582	14.610	35,729,953
Totals	\$101,053,248		\$186,072,649	\$101,053,248		\$186,072,649

Notes:

- (A) Years are 7/1 to 6/30.
- (B) Provided by the Authority. These losses exclude amount over the SIR.
- (C) Based upon Industry Loss Development Factors.
- (D) (B) x (C). These estimated losses exclude amount over the SIR.
- (E) Losses capped at the Authority's SIR. Amounts are provided by the Authority.
- (F) Based upon Industry Loss Development Factors.
- (G) (E) x (F).

This method tends to understate ultimate losses for the most recent several years because the large losses for those years generally have not yet emerged at the time of our review.

This exhibit shows the calculation of estimated ultimate losses for each year based on paid losses as reported by the claims administrator. These losses tend to "develop" or change from period to period as more information becomes available about the cases. This development tends to follow quantifiable patterns over time.

Authority for California Cities Excess Liability - Liability (\$100K - \$1M Analysis)

Exposure and Development Method
Based on Reported Losses

Accident Year	Composite Exposure (A)	Reported Losses as of 12/31/22 (B)	Loss Development Factor (C)	Percentage of Losses Yet to Be Reported (D)	Program Rate (E)	Incurred but not Reported (IBNR) (F)	Ultimate Program Losses (G)
2013-2014	13,944,136	15,135,076	1.015	0.015	1.096	229,242	15,364,318
2014-2015	14,087,304	13,529,653	1.020	0.020	1.000	281,746	13,811,399
2015-2016	14,252,248	12,126,927	1.030	0.029	0.910	376,117	12,503,044
2016-2017	14,688,666	19,902,086	1.040	0.038	1.414	789,251	20,691,337
2017-2018	14,917,376	16,102,809	1.092	0.084	1.268	1,588,880	17,691,689
2018-2019	14,968,625	14,724,065	1.201	0.167	1.324	3,309,683	18,033,748
2019-2020	15,135,993	16,249,853	1.381	0.276	1.385	5,785,885	22,035,738
2020-2021	14,288,287	12,075,903	1.657	0.396	1.447	8,187,360	20,263,263
2021-2022	14,319,205	4,655,120	3.811	0.738	1.512	15,978,171	20,633,291
Totals	\$130,601,840	\$124,501,492				\$36,526,335	\$161,027,827

Notes:

- (A) Provided by the Authority.
- (B) Provided by the Authority. These losses exclude amounts incurred above the Authority's SIR for each year.
- (C) From Appendix B, Page 3, Column (F).
- (D) $1 - 1/(C)$.
- (E) From Appendix B, Page 7, Column (H).
- (F) $(A) \times (D) \times (E)$.
- (G) $(B) + (F)$.

This exhibit shows the calculation of ultimate losses based on the assumption that there is an underlying relationship between losses and exposure that changes in regular ways over time. The method relies on the premise that the losses that are currently unreported will cost what this relationship would suggest.

Authority for California Cities Excess Liability - Liability (\$100K - \$1M Analysis)

Exposure and Development Method
Based on Paid Losses

Accident Year	Composite Exposure (A)	Paid Losses as of 12/31/22 (B)	Loss Development Factor (C)	Percentage of Losses Yet to Be Paid (D)	Program Rate (E)	Incurred but not Paid (F)	Ultimate Program Losses (G)
2012-2013	14,036,993		1.021	0.021	1.017	299,788	
2013-2014	13,944,136	14,595,290	1.041	0.039	1.096	596,028	15,191,318
2014-2015	14,087,304	13,404,920	1.072	0.067	1.000	943,849	14,348,769
2015-2016	14,252,248	12,054,815	1.115	0.103	0.910	1,335,863	13,390,678
2016-2017	14,688,666	17,791,609	1.171	0.146	1.414	3,032,387	20,823,996
2017-2018	14,917,376	13,783,412	1.288	0.224	1.268	4,237,012	18,020,424
2018-2019	14,968,625	11,929,527	1.739	0.425	1.324	8,422,845	20,352,372
2019-2020	15,135,993	10,381,463	2.435	0.589	1.385	12,347,413	22,728,876
2020-2021	14,288,287	4,666,630	4.870	0.795	1.447	16,436,745	21,103,375
2021-2022	14,319,205	2,445,582	14.610	0.932	1.512	20,178,395	22,623,977
Totals	\$144,638,833	\$101,053,248				\$67,830,325	\$168,583,785

Notes:

- (A) Provided by the Authority.
- (B) Provided by the Authority. These losses exclude amounts paid above the Authority's SIR for each year.
- (C) From Appendix B, Page 4, Column (F).
- (D) $1 - 1/(C)$.
- (E) From Appendix B, Page 7, Column (H).
- (F) $(A) \times (D) \times (E)$.
- (G) $(B) + (F)$.

This exhibit shows the calculation of ultimate losses based on the assumption that there is an underlying relationship between losses and exposure that changes in regular ways over time. The method relies on the premise that the losses that are currently unreported will cost what this relationship would suggest.

Authority for California Cities Excess Liability - Liability (\$100K - \$1M Analysis)

Exposure and Development Method

Accident Year	Composite Exposure (A)	Ultimate \$100K - \$1M Losses (B)	Trend Factor (C)	Trended \$100K - \$1M Losses (D)	Trended \$100K - \$1M Loss Rate (E)	Trended \$100K - \$1M Loss Rate (F)	Factor to SIR (G)	Program Loss Rate (H)
2012-2013	14,036,993		1.553			1.017	1.000	1.017
2013-2014	13,944,136	15,278,000	1.486	22,703,108	1.628	1.096	1.000	1.096
2014-2015	14,087,304	14,085,000	1.422	20,028,870	1.422	1.000	1.000	1.000
2015-2016	14,252,248	12,966,000	1.361	17,646,726	1.238	0.910	1.000	0.910
2016-2017	14,688,666	20,766,000	1.302	27,037,332	1.841	1.414	1.000	1.414
2017-2018	14,917,376	17,669,000	1.246	22,015,574	1.476	1.268	1.000	1.268
2018-2019	14,968,625	17,684,000	1.193	21,097,012	1.409	1.324	1.000	1.324
2019-2020	15,135,993	23,860,000	1.141	27,224,260	1.799	1.385	1.000	1.385
2020-2021	14,288,287	20,915,000	1.092	22,839,180	1.598	1.447	1.000	1.447
2021-2022	14,319,205	19,857,000	1.045	20,750,565	1.449	1.512	1.000	1.512
Total/Avg	\$144,638,833	\$163,080,000		\$201,342,627	\$1.542			
13/14-19/20	101,994,348	122,308,000		157,752,882	\$1.547			
14/15-20/21	102,338,499	127,945,000		157,888,954	\$1.543			
15/16-21/22	102,570,400	133,717,000		158,610,649	\$1.546			
				Selected \$100K - \$1M Rate:	\$1.580			
				Prior:	\$1.550			
						1.9%		

Notes:

- (A) Provided by the Authority.
- (B) Selected average of results from Appendices B and B.
- (C) From Appendix E, Column (B).
- (D) (B) x (C).
- (E) (D) / (A).
- (F) Selected \$100K - \$1M Rate / (C). For 2016-2017 and prior (B) / (A).
- (G) Based on a Burr distribution, a mathematical model of claim sizes.
- (H) (F) x (G).

This exhibit shows the calculation of the underlying historical relationship between losses and exposure that is needed to apply the estimation methods shown on pages 1 and 2 of this Appendix.

Authority for California Cities Excess Liability - Liability (\$100K - \$1M An

Frequency and Severity Method

Accident Year	Ultimate Program Severity (A)	Ultimate Claims (B)	Ultimate Program Losses (C)
2013-2014	282,926	54	15,278,004
2014-2015	287,449	49	14,085,001
2015-2016	316,244	41	12,966,004
2016-2017	314,636	66	20,765,976
2017-2018	313,002	60	18,780,120
2018-2019	326,907	61	19,941,327
2019-2020	341,805	71	24,268,155
2020-2021	357,143	66	23,571,438
2021-2022	373,206	72	26,870,832
Total		540	\$176,526,857

Notes:

- (A) From Appendix B, Page 9, Column (H).
- (B) From Appendix B, Page 9, Column (B).
- (C) (A) x (B).

This exhibit shows the calculation of the estimated ultimate losses for each year based on the observed average frequency and severity of claims.

Authority for California Cities Excess Liability - Liability (\$100K - \$1M Analysis)

Frequency and Severity Method

Accident Year	Ultimate	Ultimate Claims (B)	Ultimate	Trend Factor (D)	Trended		Factor to SIR (G)	Program Severity (H)
	\$100K - \$1M Losses (A)		\$100K - \$1M Severity (C)		\$100K - \$1M Severity (E)	\$100K - \$1M Severity (F)		
2013-2014	15,278,000	54	282,926	1.486	420,428	282,926	1.000	282,926
2014-2015	14,085,000	49	287,449	1.422	408,752	287,449	1.000	287,449
2015-2016	12,966,000	41	316,244	1.361	430,408	316,244	1.000	316,244
2016-2017	20,766,000	66	314,636	1.302	409,656	314,636	1.000	314,636
2017-2018	17,856,000	60	297,600	1.246	370,810	313,002	1.000	313,002
2018-2019	19,193,000	61	314,639	1.193	375,364	326,907	1.000	326,907
2019-2020	22,382,000	71	315,239	1.141	359,688	341,805	1.000	341,805
2020-2021	20,683,000	66	313,379	1.092	342,210	357,143	1.000	357,143
2021-2022	21,629,000	72	300,403	1.045	313,921	373,206	1.000	373,206

Average \$100K - \$1M Severity: \$381,249
Average 13/14-19/20 \$100K - \$1M Severity: \$396,444
Average 13/14-20/21 \$100K - \$1M Severity: \$389,665

Selected \$100K - \$1M Severity: \$390,000
Prior: \$390,000

Notes:

- (A) Selected average of results from Appendices B, B, and B.
- (B) Appendix B, Page 10, Column (C).
- (C) (A) / (B).
- (D) From Appendix E, Column (J).
- (E) (C) x (D).
- (F) Selected Limited Severity / (D).
- (G) Based on a Burr distribution, a mathematical model of claim sizes.
- (H) (F) x (G).

This exhibit shows the calculation of the historical average cost per claim, or severity. The observed average severity is used in the method shown on page 1 of this Appendix.

Authority for California Cities Excess Liability - Liability (\$100K - \$1M Analysis)

Frequency and Severity Method
Projection of Ultimate Claims

Accident Year	Reported Claim Development (A)	Closed Claim Development (B)	Selected Ultimate Claims (C)	Composite Exposure (10,000s) (D)	Claim Frequency (E)	Trend Factor (F)	Trended Claim Frequency (G)
2013-2014	54	52	54	1,394.414	0.039	1.000	0.039
2014-2015	49	49	49	1,408.730	0.035	1.000	0.035
2015-2016	41	43	41	1,425.225	0.029	1.000	0.029
2016-2017	66	64	66	1,468.867	0.045	1.000	0.045
2017-2018	60	52	60	1,491.738	0.040	1.000	0.040
2018-2019	61	60	61	1,496.863	0.041	1.000	0.041
2019-2020	71	63	71	1,513.599	0.047	1.000	0.047
2020-2021	66	57	66	1,428.829	0.046	1.000	0.046
2021-2022	72	126	72	1,431.921	0.050	1.000	0.050
Total	540	566	540	13,060.184			0.041

(H) Selected 2022-2023 Frequency: 0.045
Prior: 0.045

Program Year:	2022-2023	2023-2024
(I) Trend Factor:	1.000	1.000
(J) Selected Frequency:	0.045	0.045
(K) Composite Exposure:	1,431.921	1,467.718
(L) Ultimate Claims:	64	66

Notes:

- (A) From Appendix B, Page 11, (C).
- (B) From Appendix B, Page 12, (C).
- (C) Selected from (A) and (B).
- (D) From Appendix N, Page 2, (G).
- (E) (C) / (D).
- (F) From Appendix E.
- (G) (E) x (F).
- (H) The selected frequency of .045 is based on (G).
- (I) From Appendix E.
- (J) (H) x (I).
- (K) From Appendix N, Page 2, (G).
- (L) (J) x (K).

This exhibit summarizes the estimated numbers of claims and shows the estimated frequencies per 10,000 units of composite exposure, Appendix E, page2, Item (G).

Authority for California Cities Excess Liability - Liability (\$100K - \$1M Analysis)

Frequency and Severity Method
Reported Claim Count Development

Accident Year	Claims Reported as of 12/31/2022 (A)	Reported Claim Development Factor (B)	Ultimate Claims (C)	Trended Claim Frequency (D)
2013-2014	53	1.022	54	0.039
2014-2015	47	1.032	49	0.035
2015-2016	39	1.042	41	0.029
2016-2017	63	1.052	66	0.045
2017-2018	56	1.063	60	0.040
2018-2019	57	1.074	61	0.041
2019-2020	63	1.128	71	0.047
2020-2021	53	1.241	66	0.046
2021-2022	29	2.482	72	0.050
Total	460		540	0.041

Notes:

- (A) Provided by the Authority.
- (B) From Appendix B, Page 15.
- (C) (A) x (B).
- (D) (C) / [Appendix B, Page 10, (D)] x [Appendix B, Page 10, (F)].

This exhibit shows the calculation of estimated ultimate claims for each year based on reported claims as provided by the Authority. These numbers of claims tend to "develop" or change from period to period as more claims are filed. This development tends to follow quantifiable patterns over time.

Authority for California Cities Excess Liability - Liability (\$100K - \$1M Analysis)

Frequency and Severity Method
Closed Claim Count Development

Accident Year	Claims Closed as of 12/31/2022 (A)	Closed Claim Development Factor (B)	Ultimate Claims (C)	Trended Claim Frequency (D)
2013-2014	48	1.082	52	0.037
2014-2015	44	1.109	49	0.035
2015-2016	37	1.164	43	0.030
2016-2017	52	1.222	64	0.044
2017-2018	39	1.344	52	0.035
2018-2019	36	1.680	60	0.040
2019-2020	25	2.520	63	0.042
2020-2021	9	6.300	57	0.040
2021-2022	4	31.500	126	0.088
Total	294		566	0.043

Notes:

- (A) Provided by the Authority.
- (B) From Appendix B, Page 16.
- (C) (A) x (B).
- (D) (C) / [Appendix B, Page 10, (D)] x [Appendix B, Page 10, (F)].

This exhibit shows the calculation of estimated ultimate claims for each year based on closed claims as provided by the Authority. These numbers of closed claims tend to "develop" or change from period to period as more claims are closed. This development tends to follow quantifiable patterns over time.

Authority for California Cities Excess Liability - Liability (\$100K - \$1M Analysis)

Loss Rate Trend

Accident Year	Payroll	Preliminary Ultimate Loss	Untrended Loss Rate	Trended Loss Rate
2013-2014	13,944,136	15,278,000	1.096	1.628
2014-2015	14,087,304	14,085,000	1.000	1.422
2015-2016	14,252,248	12,966,000	0.910	1.238
2016-2017	14,688,666	20,766,000	1.414	1.841
2017-2018	14,917,376	17,856,000	1.197	1.492
2018-2019	14,968,625	19,193,000	1.282	1.529
2019-2020	15,135,993	22,382,000	1.479	1.687
2020-2021	14,288,287	21,646,000	1.515	1.654
2021-2022	14,319,205	23,376,000	1.632	1.706

Exponential Trends

Years	R-square	Fitted Trend
13/14-19/20	0.522	1.062
16/17-21/22	0.543	1.046
17/18-21/22	0.958	1.082
13/14-21/22	0.715	1.064
	Prior Trend:	1.040
	Selected Trend:	1.045

Authority for California Cities Excess Liability

Historical Payroll by Member

Member	1988-89 Payroll (\$00)	1989-90 Payroll (\$00)	1990-91 Payroll (\$00)	1991-92 Payroll (\$00)	1992-93 Payroll (\$00)	1993-94 Payroll (\$00)	1994-95 Payroll (\$00)	1995-96 Payroll (\$00)	1996-97 Payroll (\$00)	1997-98 Payroll (\$00)	1998-99 Payroll (\$00)	1999-00 Payroll (\$00)
Anaheim	945,634	887,693	997,604	1,032,792	1,017,556	1,106,327	1,138,132	1,159,649	1,186,315	1,183,599	1,221,632	1,347,535
Bakersfield	385,888	427,532	456,470	479,556	490,078	463,172	544,562	558,232	592,428	626,800	656,309	672,981
Burbank	435,541	517,034	546,240	570,952	606,092	612,781	633,112	651,359	628,837	665,202	0	0
Gardena	150,116	155,950	167,690	183,626	0	0	0	0	0	0	0	0
Modesto	340,582	340,582	403,120	486,797	492,189	479,750	496,562	535,022	533,981	596,710	599,204	621,472
Monterey	0	150,186	167,555	177,538	176,550	181,500	206,054	212,611	225,039	235,554	246,524	262,721
Mountain View	0	0	0	0	310,326	292,142	307,338	325,808	341,322	360,295	409,155	408,020
Ontario	325,401	368,037	425,392	459,269	440,000	517,000	518,010	524,206	574,396	582,744	589,308	605,886
Palo Alto	409,895	441,571	469,616	500,629	526,146	552,171	606,885	575,477	607,900	677,305	722,355	727,013
Salinas	0	0	0	0	0	0	0	0	0	0	0	0
Santa Barbara	342,392	355,513	393,889	438,230	421,442	464,065	494,001	496,728	525,742	562,649	587,051	644,650
Santa Cruz	0	0	0	0	0	0	0	0	164,906	327,837	330,666	368,019
Santa Monica	556,978	610,936	682,891	758,378	657,800	770,000	856,975	863,634	912,836	943,294	997,024	1,028,662
Visalia	137,709	144,025	165,025	189,676	172,119	196,757	202,780	199,965	208,770	210,996	218,084	237,134
Total	4,030,134	4,399,059	4,875,491	5,277,443	5,310,299	5,635,666	6,004,411	6,102,690	6,502,472	6,972,985	6,577,313	6,924,094
Member	2000-01 Payroll (\$00)	2001-02 Payroll (\$00)	2002-03 Payroll (\$00)	2003-04 Payroll (\$00)	2004-05 Payroll (\$00)	2005-06 Payroll (\$00)	2006-07 Payroll (\$00)	2007-08 Payroll (\$00)	2008-09 Payroll (\$00)	2009-10 Payroll (\$00)	2010-11 Payroll (\$00)	2011-12 Payroll (\$00)
Anaheim	1,393,423	1,497,038	1,571,861	1,686,921	1,702,110	1,874,760	1,933,055	1,936,850	2,133,195	2,081,250	2,049,763	1,963,200
Bakersfield	679,346	710,898	746,845	769,039	775,782	828,105	889,657	928,430	916,017	882,235	882,175	913,612
Burbank	0	0	0	0	963,640	961,084	1,080,588	1,021,641	1,190,705	1,104,309	1,219,034	1,095,927
Gardena	0	0	0	0	0	0	0	0	0	0	0	0
Modesto	656,651	711,909	761,554	745,169	757,072	777,859	808,720	836,950	811,447	796,393	741,932	730,670
Monterey	284,379	307,684	320,894	313,632	313,439	315,127	303,985	340,838	362,102	375,986	371,980	362,541
Mountain View	434,816	470,177	517,208	479,749	474,925	505,565	558,760	579,550	628,761	632,482	629,984	618,793
Ontario	637,469	683,592	692,474	710,686	732,721	783,778	808,309	827,467	855,991	836,504	821,292	837,165
Palo Alto	771,366	875,829	907,965	976,695	964,635	910,388	920,271	964,648	980,859	1,000,933	992,673	1,041,460
Salinas	0	0	0	0	0	0	0	0	0	0	0	0
Santa Barbara	658,205	688,383	715,412	731,380	739,835	827,558	767,235	826,778	882,947	844,604	828,178	824,422
Santa Cruz	383,500	421,614	414,665	404,596	405,476	415,167	494,206	483,045	537,520	506,288	506,381	511,940
Santa Monica	1,156,953	1,234,923	1,274,089	1,221,506	1,263,241	1,350,510	1,445,204	1,539,768	1,662,386	1,668,433	1,714,221	1,851,043
Visalia	256,559	257,861	290,675	269,603	281,525	300,145	295,903	323,116	345,222	346,541	339,496	344,696
Total	7,312,668	7,859,909	8,213,644	8,308,977	9,374,402	9,850,045	10,305,894	10,609,082	11,307,152	11,075,957	11,097,108	11,095,468
Member	2012-13 Payroll (\$00)	2013-14 Payroll (\$00)	2014-15 Payroll (\$00)	2015-16 Payroll (\$00)	2016-17 Payroll (\$00)	2017-18 Payroll (\$00)	2018-19 Payroll (\$00)	2019-20 Payroll (\$00)	2020-21 Payroll (\$00)	2021-22 Payroll (\$00)	Projected 2022-23 Payroll (\$00)	Projected 2023-24 Payroll (\$00)
Anaheim	1,975,427	2,031,900	2,106,346	2,269,090	2,503,567	2,510,955	2,541,363	2,644,993	2,467,744	2,524,502	2,587,610	2,652,300
Bakersfield	974,793	981,145	1,007,547	1,032,898	1,023,381	1,047,246	1,056,662	1,119,015	1,175,926	1,383,385	1,417,970	1,453,420
Burbank	1,080,687	1,058,814	1,050,336	1,057,419	1,084,724	1,113,654	1,099,703	1,144,989	1,187,912	1,264,103	1,295,710	1,328,100
Gardena	0	0	0	0	0	0	0	0	0	0	0	0
Modesto	723,669	721,682	711,912	761,798	799,877	845,531	874,961	900,948	907,122	957,590	981,530	1,006,070
Monterey	361,402	362,125	367,532	374,195	386,413	418,860	427,155	438,191	378,567	383,729	393,320	403,150
Mountain View	624,667	633,130	660,314	684,770	734,551	765,191	812,882	842,032	853,958	843,718	864,810	886,430
Ontario	724,834	734,451	774,343	825,770	890,589	995,163	1,065,971	1,161,650	1,137,193	1,132,120	1,160,420	1,189,430
Palo Alto	919,927	996,990	1,064,558	981,613	1,041,359	1,166,441	1,221,880	1,260,264	1,231,253	1,212,621	1,242,940	1,274,010
Salinas	0	0	0	0	0	0	325,886	645,800	650,909	655,678	672,070	688,870
Santa Barbara	865,528	881,841	905,611	929,442	977,924	990,759	997,851	1,013,615	987,542	1,011,556	1,036,850	1,062,770
Santa Cruz	521,594	544,821	579,725	607,172	638,596	660,528	675,872	696,569	683,903	707,306	724,990	743,110
Santa Monica	1,830,595	1,850,551	1,902,819	2,007,425	2,106,921	2,176,626	2,274,811	2,301,342	2,062,191	1,985,583	2,035,220	2,086,100
Visalia	363,276	366,787	425,402	455,159	474,743	486,940	509,425	530,238	521,633	563,741	577,840	592,290
Total	10,966,401	11,164,240	11,556,443	11,986,752	12,662,643	13,177,894	13,884,423	14,699,647	14,245,854	14,625,633	14,991,280	15,366,050

Note: Data provided by ACCEL.

Authority for California Cities Excess Liability

ULAE as of June 30, 2023

(A) Selected ULAE Factor	3.5%
(B) Provision for Unpaid ULAE :	
IBNR at 6/30/23	\$40,861,000
Half of Case Reserves at 6/30/23	21,363,000
Computation Base	\$62,224,000
Provision for Unpaid ULAE at 6/30/23	\$2,178,000