

San Diego City Employees' Retirement System

City of San Diego

Actuarial Valuation Report as of June 30, 2023

**Produced by Cheiron** 

April 2024

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April 22, 2024

Board of Administration San Diego City Employees' Retirement System 401 West A Street, Suite 800 San Diego, California 92101

Re: SDCERS-City of San Diego June 30, 2023 Actuarial Valuation

Dear Members of the Board,

We are pleased to submit the June 30, 2023 Actuarial Valuation Report for the City of San Diego (City, the "Plan") of the San Diego City Employees' Retirement System (SDCERS).

The purpose of this report is to present the annual actuarial valuation of the SDCERS-City of San Diego Defined Benefit Plan. This report is for the use of the SDCERS Board and its auditors in preparing financial reports in accordance with applicable law and accounting requirements.

In preparing our report, we relied on information (some oral and some written) supplied by SDCERS' staff. This information includes, but is not limited to, the plan provisions, employee data, and financial information. We performed an informal examination of the obvious characteristics of the data for reasonableness and consistency in accordance with Actuarial Standard of Practice No. 23.

Future results may differ significantly from the current results presented in this report due to such factors as the following: plan experience differing from that anticipated by the assumptions; changes in assumptions; and changes in plan provisions or applicable law.

This report and its contents have been prepared in accordance with generally recognized and accepted actuarial principles and practices and our understanding of the Code of Professional Conduct and applicable Actuarial Standards of Practice set out by the Actuarial Standards Board as well as applicable laws and regulations. Furthermore, as credentialed actuaries, we meet the Qualification Standards of the American Academy of Actuaries to render the opinion contained in this report. This report does not address any contractual or legal issues. We are not attorneys, and our firm does not provide any legal services or advice.

Sincerely, Cheiron

Gene Kalwarski, FSA, EA, MAAA, FCA Principal Consulting Actuary Alice Alsberghe, ÁSA, EA, MAAA Consulting Actuary

### **SECTION I – BOARD SUMMARY**

The primary purpose of the SDCERS-City of San Diego actuarial valuation is to disclose and comment on, as of the valuation date, on the following:

- The financial condition of the SDCERS-City of San Diego Defined Benefit Plan,
- Past and expected trends in the financial condition of SDCERS-City of San Diego,
- Disclosures related to the Plan's risks of SDCERS-City of San Diego,
- The City's Actuarially Determined Contribution (ADC) for Fiscal Year 2025,
- Member contribution rates as required under the City's Charter Section 143, and
- Information required for the Annual Comprehensive Financial Report (ACFR).

In this section, we present a summary of the principal valuation results. This summary includes the basis upon which the June 30, 2023 valuation was completed and an examination of the current financial condition of SDCERS-City of San Diego. In addition, we present a review of the key historical trends followed by the projected financial outlook for SDCERS-City of San Diego.

### A. Valuation Basis

The City of San Diego officially reopened the pension plan to all non-police employees on July 10, 2021. As a result of the unwinding of Proposition B, eligible non-police employees who had been excluded from the Plan, hired between July 20, 2012 and July 9, 2021, were reinstated effective July 9, 2022. This June 30, 2023 actuarial valuation is the first valuation to reflect these members, referenced as "reinstated" Proposition B members in this report. In future valuations, additional reinstated members impacted by Proposition B may be included as well.

At the January 13, 2023 SDCERS Board meeting, the Board adopted additional contribution payments, to be made with the FY 2024 ADC, to fund the Plan for the City's missed normal cost and expected shortfall due to the unwinding of Proposition B. First, the Board adopted a payment for the FY 2022 missed normal cost for new members hired in FY 2022, after the Plan reopened. Second, the Board adopted a payment for the FY 2023 and FY 2024 normal costs for reinstated Proposition B members. Third, the Board elected to amortize the expected shortfall for reinstated Proposition B members over 20 years, beginning with the FY 2024 ADC.

The City of San Diego elected to prepay the estimated FY 2022 missed normal cost payment for new members hired in FY 2022 and the estimated FY 2023 normal cost payment for reinstated Proposition B Members. These payments, made in February 2023, were \$2.7 million and \$34.8 million, respectively.

The remaining Proposition B payments were included with the City's FY 2024 ADC. The additional contribution was \$47.6 million, \$36.8 million for the estimated FY 2024 normal cost for reinstated Proposition B members and \$10.8 million for the FY 2024 payment of the amortized shortfall.



### SECTION I – BOARD SUMMARY

It is important to note that while the City's adjusted FY 2024 ADC of \$448.1 million includes the Proposition B payments described herein, the June 30, 2022 valuation results do not include the reinstated Proposition B members. Given that the reinstated Proposition B members entered the Plan on July 9, 2022, they are included in this June 30, 2023 actuarial valuation.

In September 2023, the SDCERS Board voted to adopt the results of a comprehensive experience study covering the period July 1, 2015 through June 30, 2022. The detailed findings of that study can be found in Cheiron's presentation, 2023 Actuarial Experience Study, dated September 8, 2023. The revised assumptions have been reflected in this valuation and can be found in Appendix B of this report.

The most significant change to the economic assumptions was an increase in the Cost-of-Living Adjustment (COLA), from an annual assumed COLA of 1.90% to an annual assumed COLA of 2.00%. In addition, the price inflation and wage inflation assumptions were updated. Previously, the price inflation assumption and the wage inflation assumption were both 3.05%. Under the revised assumptions, the price inflation assumption is 3.00% and the wage inflation assumption is 3.25%, which is price inflation plus productivity. There were other minor adjustments to the demographic assumptions, including a change to the assumed mortality improvement scale to better anticipate future improvements in life expectancy.

In March 2024, the SDCERS Board voted to revise the amortization method for the non-Police UAL portion of the Plan from level dollar payments to a level percentage of pay. The change is effective with the FY 2025 Actuarially Determined Contribution.

The results of this valuation include a recalculation of the employee contribution rates as required under San Diego City Charter Section 143 ("substantially equal") which were developed under the new actuarial assumptions. The new employee contribution rates can be found in Appendix C of this report.

The results of the June 30, 2023 actuarial valuation reflect expected across the board salary increases for FY 2024 for plan tiers with negotiated general salary increases. Effective July 1, 2023, General members are assumed to receive a 5.00% increase in pay, as well as a 5.00% increase in pay effective January 1, 2024. Effective July 1, 2023, Elected members are assumed to receive an increase in pay of 3.25% and Safety Police members are assumed to receive a 5.00% increase in pay. Safety Fire members are assumed to receive a 2.70% increase in pay effective July 1, 2023, as well as a 1.50% increase in pay effective January 1, 2024. Safety Lifeguard members are assumed to receive a 5.00% increase in pay effective July 1, 2023, as well as a 4.00% increase effective January 1, 2024. Any other general salary increases, new add-on pays, changes to existing add-on pays, or varying special salary adjustments that may have been negotiated were not reflected in this valuation.

Throughout this report there will be references to "Old Plan," "2009 Plan," "2011 Plan," "2012 Plan," "2012 No COL Plan," and "Prop B Plan" which distinguishes each membership category's various benefit tiers according to their effective dates.

Numbers in the tables of this report may not always add exactly to the dollar due to rounding.



### SECTION I – BOARD SUMMARY

### B. Experience between June 30, 2022 and June 30, 2023

The following discussion summarizes the key results of the June 30, 2023 valuation and how they compare to the results from the June 30, 2022 valuation.

### 1. SDCERS-City of San Diego Assets, Liabilities and Contributions

Table I-1 presents a comparison between the June 30, 2023 and June 30, 2022 SDCERS-City of San Diego assets, liabilities, unfunded actuarial liability, funding ratios and contributions.

The key results shown in Table I-1 show that the funding ratio, measured using an actuarial smoothing method, decreased from 76.0% as of June 30, 2022 to 74.3% as of June 30, 2023. The funded ratio decreased because the actuarial value of assets grew by 7.9% which was less than the liability growth of 10.4%. Measured on a market value of assets basis, the June 30, 2023 funding ratio decreased from 77.5% as of June 30, 2022 to 74.6% as of June 30, 2023. Investment return on a market value basis for SDCERS – All Employers was 5.01%. On an actuarial value basis, the return for the City was 6.77%. Section III of this report provides additional detail on SDCERS' assets, including an explanation of the development of the actuarial value of assets. More details on the liability growth are presented in Item 2 of this section, and in Section IV of this report.

The City's Actuarially Determined Contribution (ADC) increased from \$400.5 million (without the additional \$47.6 million for Proposition B) to \$486.3 million. The components of this change are shown in Table I-3. These ADC figures assume payment at the beginning of the fiscal year in which they are paid. Contribution amounts assuming payment throughout the year may be found in Table V-1.

Table I-1													
SDCERS - City of San Diego - Assets, Liabilities and Contributions													
	June 30, 2023 June 30, 2022												
Actuarial Liability	\$	13,081,352,245	\$	11,848,468,596	10.4%								
Actuarial Value Assets	\$	9,718,149,818	\$	9,008,489,093	7.9%								
Unfunded Actuarial Liability-Actuarial Value	\$	3,363,202,427	\$	2,839,979,503	18.4%								
Funding Ratio-Actuarial Value		74.3%		76.0%	-1.7%								
Market Value Assets	\$	9,752,376,704	\$	9,182,686,922	6.2%								
Unfunded Actuarial Liability-Market Value	\$	3,328,975,541	\$	2,665,781,675	24.9%								
Funding Ratio-Market Value		74.6%		77.5%	-2.9%								
Actuarially Determined Contribution (ADC) <sup>1</sup>	\$	486.3	\$	400.5	21.4%								

<sup>&</sup>lt;sup>1</sup>ADC reported in millions



### **SECTION I – BOARD SUMMARY**

### 2. Components of UAL Change between June 30, 2022 and June 30, 2023

The unfunded actuarial liability (UAL) for SDCERS-City of San Diego increased by \$523.2 million; from \$2,840.0 million to \$3,363.2 million. Table I-2 below presents the specific components of the change in the UAL. The expected shortfall for Proposition B members reinstated on July 9, 2022 increased the UAL by \$119.1 million. The Plan's UAL was otherwise expected to decrease by \$125.5 million, assuming all assumptions were met and no changes in assumptions.

Given the asset smoothing method, there was an anticipated investment loss of \$5.6 million. However, the actual investment experience was a gain of \$5.3 million, for a total \$10.9 million gain. There was also a gain from additional member contributions paid of \$11.7 million, resulting in a net asset experience gain of \$22.6 million.

The increase in the unfunded actuarial liability was driven by the liability experience loss of \$329.6 million and the changes in assumptions which increased the UAL by \$222.6 million. The liability experience loss was primarily due to salary increases greater than expected. The most significant source of increase to liability from the assumption changes was due to the change in the COLA assumption.

	Table I-2 SDCERS - City of San Diego - Change in UAL										
	(In Millions)										
1.	<b>UAL at June 30, 2022</b>	\$	2,840.0								
2.	Prop B re-instatement on July 9, 2022		119.1								
3.	Expected change in UAL		(125.5)								
4.	Asset experience										
	a. Anticipated investment loss/(gain)		5.6								
	b. Actual investment loss/(gain) <sup>1</sup>		(5.3)								
	c. Member contributions paid greater than expected		(11.7)								
	d. Net asset experience (b - a + c)		(22.6)								
5.	Liability experience loss <sup>1</sup>		329.6								
6.	Change in assumptions or methods		222.6								
7.	Total change in UAL: $2 + 3 + 4d + 5 + 6$		523.2								
8.	UAL at June 30, 2023: 1 + 7	\$	3,363.2								

<sup>&</sup>lt;sup>1</sup> Net impact of asset and liability experience is an actuarial loss of \$324.2 million (\$5.3 million actual investment gain minus \$329.6 million liability experience loss).



### **SECTION I – BOARD SUMMARY**

### 3. SDCERS-City of San Diego Change in Contributions

The City's actuarially determined contribution (ADC) for FY 2025 increased by \$85.8 million; from \$400.5 million to \$486.3 million. The Proposition B funding, payable on July 1, 2023, increased the final FY 2024 ADC by \$47.6 million. The ADC otherwise would have been expected to increase by \$4.5 million, assuming continued phase-in of investment experience from prior years.

The overall actuarial investment gain decreased the ADC by \$2.4 million. The liability experience loss increased the ADC by approximately \$53.3 million. The changes in assumptions increased the ADC by approximately \$23.1 million. Lastly, the change in amortization method decreased the ADC by approximately \$40.3 million.

Table I-3 below presents the specific components of the change in the ADC. We provide more detail on the development of this contribution in Section V.

	Table I-3 SDCERS - City of San Diego - Change in ADC									
	(In Millions)									
1.	ADC at June 30, 2022	\$	400.5							
2.	Prop B re-instatement on July 9, 2022		47.6							
3.	Expected change in ADC		4.5							
4.	Asset experience									
	a. Anticipated investment loss/(gain)		0.6							
	b. Actual investment loss/(gain)		(0.6)							
	c. Member contributions paid greater than expected		(1.2)							
	d. Net asset experience (b - a + c)		(2.4)							
5.	Liability experience loss		53.3							
6.	Change in Actuarial Assumptions		23.1							
7.	Change in Amortization Method		(40.3)							
8.	Total change in ADC: $2 + 3 + 4d + 5 + 6 + 7$		85.8							
9.	ADC at June 30, 2023: 1 + 8	\$	486.3							



### **SECTION I – BOARD SUMMARY**

### 4. SDCERS-City of San Diego Membership

Table I-4 shows that total membership in SDCERS-City of San Diego increased by 22.6% from 2022 to 2023. Active membership increased by 73.7%, primarily as a result of the reinstatement of eligible Proposition B members that were hired between July 20, 2012 and July 9, 2021. There was an increase in retirements during the year, with a 1.4% increase in retiree members.

The payroll figures shown below are based on June 30, 2023 data with expected salary increases for the fiscal year beginning July 1, 2023. Expected total payroll for active members increased by 79.9%, driven by the increase to the active membership as well as salary increases. The average pay per active member increased by 3.5%. The total annual benefits in pay status and average benefit increased by 3.5% and 2.2%, respectively.

	,	Table I-4											
SDCERS - City of San Diego - Membership Total													
Valuation as of: June 30, 2023 June 30, 2022 % Char													
Actives		9,651		5,555	73.7%								
Terminated		3,115		2,935	6.1%								
Disabled		1,020		1,053	-3.1%								
Retirees		8,535		8,420	1.4%								
Beneficiaries		1,609		1,556	<u>3.4%</u>								
Total City Members		23,930		19,519	22.6%								
Active Member Payroll	\$	946,234,199	\$	525,994,656	79.9%								
Average Pay per Active Member	\$	98,045	\$	94,689	3.5%								
Benefits in Pay Status	\$	616,579,725	\$	595,762,444	3.5%								
Average Benefit	\$	55,229	\$	54,018	2.2%								

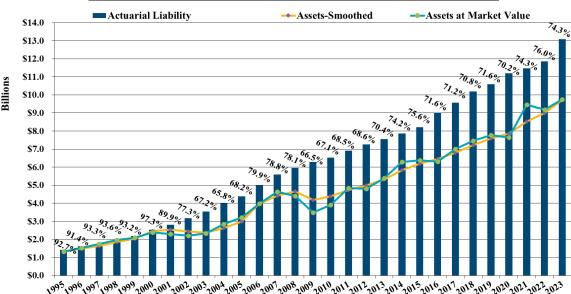


### **SECTION I – BOARD SUMMARY**

### C. Historical Trends for SDCERS-City of San Diego

Despite the primary focus given each year on the most recently computed actuarial valuation results, it is important to remember that each valuation is merely a snapshot of the long-term progress of a pension plan. It is more important to judge a current year's valuation results relative to historical trends, and trends expected into the future.

In the chart below, we present the historical trends of the market value and smoothed assets compared to actuarial liabilities, with SDCERS-City of San Diego funding ratios, measured as the ratio of smoothed (actuarial) value of assets to actuarial liabilities, since 1995.



### **SDCERS-City of San Diego Assets and Liabilities 1995-2023**

This chart shows two periods of significant declines in the City funded status. The first being the period 2001 to 2004 where the funding ratio declined from being over 90% to as low as 65.8%. This was caused by the "dot com" market decline coupled with the City underfunding the plan while benefits were increased. The second serious decline occurred in 2009 following the "Great Recession" where the funding ratio dropped from 78.8% in 2007 to 66.5% in 2009. Other than those two periods, the plan generally showed improvement in its funded status to where it is now 74.3% funded. It is important to note that this improved funded status over the period since 2009 was achieved while the Board gradually lowered the discount rate from 8.00% to 6.50% and significantly strengthened its demographic assumptions, in particular mortality. The significant increase to actuarial liability in 2023 is due to the reinstated Proposition B members in the Plan.

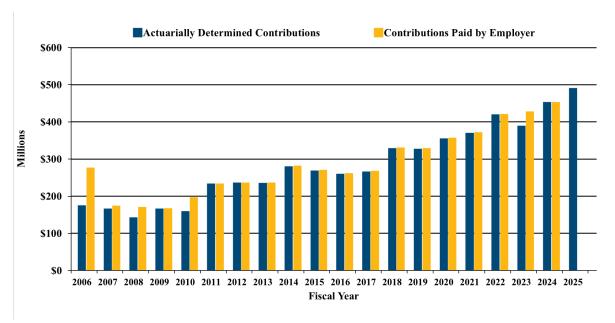
As mentioned earlier, the funding ratios represent the ratio of the smoothed (actuarial) assets over the actuarial liabilities. If the market value of assets were used instead, the funding ratio as of June 30, 2023 would be 74.6%.



### SECTION I – BOARD SUMMARY

In the next chart below, we present the historical trends for the SDCERS-City of San Diego contributions: actual contributions paid by the City, and the actuarially determined contributions (ADC).

### SDCERS-City of San Diego City Contributions FY 2006-2025



The contributions paid by the City are based on the Board's adopted funding practice of normal cost plus amortization of the various UAL components, including the requirement beginning in FY 2009 that there is no negative amortization, the requirement beginning in FY 2016 to explicitly fund the expected administrative expenses, and in FY 2019 a requirement to pay at least the UAL floor contribution.

The chart indicates that the City has been consistently paying at or above the ADC since FY 2006.

During FY 2023, the City paid the missed normal cost payment for new members hired in FY 2022 after the Plan reopened and the FY 2023 normal cost payment for reinstated Proposition B members. These additional contributions were \$2.7 million and \$34.8 million, respectively, totaling \$37.5 million in addition to the ADC calculated with the June 30, 2021 actuarial valuation.

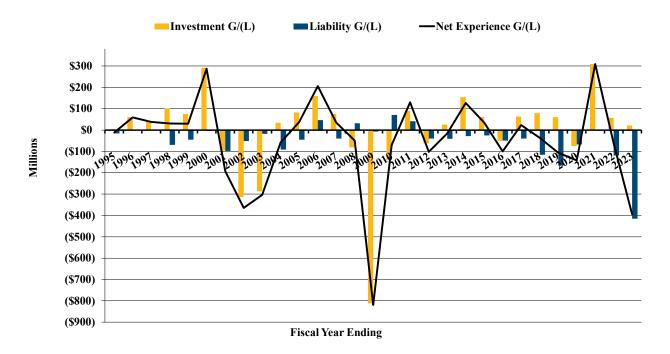
The FY 2024 contributions shown above include the initial \$400.5 million plus \$47.6 million due to Proposition B, for the total ADC payment of \$448.1 million.



### SECTION I – BOARD SUMMARY

The chart below for SDCERS-City of San Diego presents the pattern of annual experience gains and losses, broken into the investment and liability components. The chart does not include any changes in SDCERS' assets and liabilities attributable to changes in actuarial methods, procedures, or assumptions, or to changes in plan benefits.

### SDCERS-City of San Diego Historical Gain/(Loss) 1995-2023



As seen in the chart (gold bars) the System experienced two periods of significant investment losses in the 2001-2003 period and 2008–2010 period. In most other years there were investment gains, with the years ending June 30, 2000 and June 30, 2021 reporting the largest gains.

Liability experience gains and losses (blue bars) are due to actual demographic experience – rates of retirement, death, disability, and termination, as well as salary increases – deviating from the underlying assumptions. During the period shown there has been a pattern of liability losses, which have generally been small relative to the total liability of the Plan. Both the 2022 and 2023 liability experience losses were driven by salary increases that were greater than expected. The liability experience loss in FY 2023 was approximately 3% of the total liability.



### SECTION I – BOARD SUMMARY

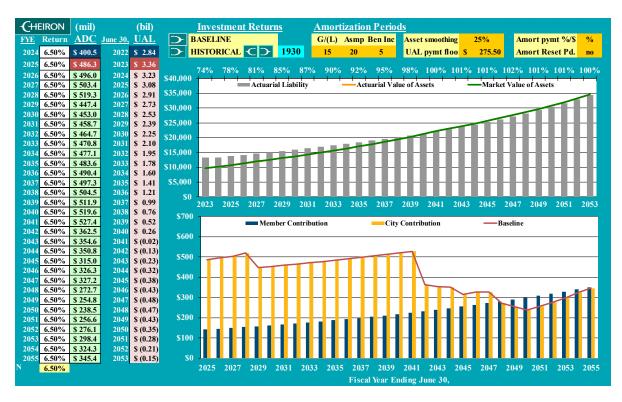
### **D. Projected Financial Trends**

Our analysis of SDCERS-City of San Diego projected financial trends is one of the most important parts of this valuation. These projections based on the June 30, 2023 valuation results are presented in terms of benefit security (assets over liabilities) and the City's expected cost progression.

In the chart that follows, we project the SDCERS-City of San Diego assets and liabilities and the City's contributions. The upper chart compares the assets (green and yellow lines) and liabilities (gray bars) and the lower chart shows contributions in dollars (employer contributions in yellow bars and member contributions in navy bars). The left side of the exhibit shows the returns assumed each year followed by the annual ADC and UAL in dollar amounts.

These projections assume a 6.50% investment return and discount rate, constant active plan membership with payroll growing at the assumed payroll growth rate of 3.25%, as well as all experience conforming to the Plan's assumptions.

### SDCERS-City of San Diego Projections FY 2025-2055 (earnings as assumed)





### **SECTION I – BOARD SUMMARY**

Based on the assumed earnings and the UAL contribution floor amortization method, the City's funded status (percentages at the top of the upper graph) is projected to reach 100% by the June 30, 2041 valuation at which time the ADC declines sharply. This is followed by a period of spikes in the ADC through FY 2047 as various gain and loss bases are paid off. Then, the ADC increases steadily thereafter with growing normal costs as future payrolls increase and the UAL is paid off.

However, it is very important to note that these projections, while valid as baseline projections, **are not going to occur** as experience never conforms exactly to assumptions from year to year. As a result, in Section II of this report, *Disclosures Related to Risk*, we present a stress testing projection based on assuming varying returns in the future, which are 6.50% on average.



### SECTION II – DISCLOSURES RELATED TO RISK

Actuarial Standard of Practice (ASOP) No. 51 was published by the Actuarial Standards Board to provide guidance to actuaries on the assessment and disclosure of risks related to the possibility that future pension plan experience will deviate from assumptions. This standard does not introduce new concepts to actuarial work; it simply attempts to provide some codification of the practice. Our reports have routinely included stress testing of the valuation results showing the impact of future experience deviating from the underlying assumptions.

The pension plan's actuarial valuation results are dependent on assumptions about future economic and demographic experience. Based on actuarial standards of practice, the assumptions represent a reasonable estimate for future experience. However, actual experience will never conform exactly to the assumptions and may differ significantly from the assumptions. This deviation is the risk that pension plan sponsors undertake in relying on a pension plan's actuarial valuation results.

This section of this report is intended to identify the primary drivers of these risks, provide background information and assessments about these identified risks, and communicate the significance of these risks to this plan.

### A. Identification of Risks

For pension plans, the three primary valuation results that can significantly differ from those expected are in the assets, liabilities, and employer contributions. While there are several factors that could lead to these results being different, we believe the primary risks to this plan are:

- Investment risk,
- Longevity and other demographic risks,
- Plan change risk.
- Contribution risk, and
- Assumption change risk.

Other risks that we have not identified may also turn out to be important.

Investment Risk is the potential for investment returns to deviate from what is expected. When actual investment returns are lower than the investment assumption used in the actuarial valuation, the unfunded liability will increase and the period of time over which the unfunded liability is expected to be paid will increase. But, when actual returns exceed the assumption, the resulting unfunded liability measurements and resulting amortization period will be lower than anticipated.

Longevity and Other Demographic Risk is the potential for mortality or other demographic experience to be different than expected. Generally, longevity and other demographic risks emerge slowly over time as the actual experience deviates from expected. In addition, the extensive number of assumptions related to longevity and demographic experience often result in offsetting factors contributing to the System's overall liability experience. As such, these risks are often dwarfed by other risks, particularly those due to the investment returns. The historical gain loss chart on page 9 shows that this has been true for this System, with the magnitude of the gains and losses from liability experience significantly smaller than those from investment experience.



### SECTION II – DISCLOSURES RELATED TO RISK

Plan Change Risk is the potential for the provisions of the System to be changed such that the funding or benefits are changed materially. In addition to the actual payments to and from the System being changed, future valuation measurements can also be impacted, with plan changes leading to deviations between actual future measurements and those expected by the current valuation.

Contribution Risk is the potential for actual future contributions to deviate from expected future contributions, or that the anticipated contributions will be inadequate to fund the plan benefits. There are different sources of contribution risk ranging from the sponsor choosing to not make contributions in accordance with the funding policy to material changes in the contribution base (e.g., covered employees, covered payroll, sponsor revenue) that affect the amount of contributions the plan can collect.

Assumption Change Risk is the potential for the environment to change such that future valuation assumptions are adjusted to be different than the current assumptions. For example, declines in interest rates over time may result in a change in the assumed rates of return used in the valuation. A healthier workforce may result in changes in employee behavior such that retirement rates are adjusted to reflect employees working longer. Assumption change risk is an extension of the risks previously identified, but rather than capturing the risk as it is experienced, it captures the cost of recognizing a change in the environment when the current assumption is no longer reasonable.

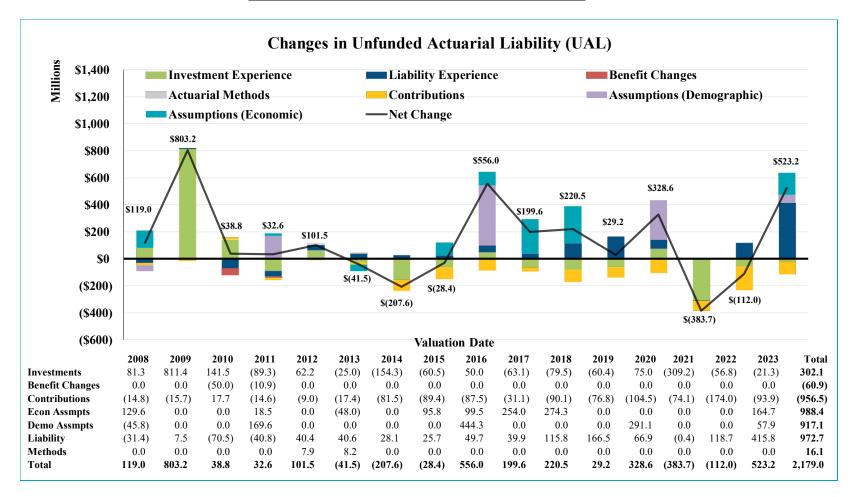
### **B.** Historical Review

In understanding the impact of some of these risks, it is useful to look at what factors contributed to the City's Unfunded Actuarial Liability (UAL). These factors consist of annual actuarial experience gains and losses, assumption and method changes, plan changes, and the contribution shortfall or excess of the combined annual normal cost, administrative expenses and interest on the unfunded actuarial lability. The following chart shows how these factors have contributed, at each valuation date, to the City's UAL growth since 2008.



### SECTION II – DISCLOSURES RELATED TO RISK

### **Factors Contributing to UAL Changes since 2008**



As is evident in this chart, assumption changes have been by far the most significant factors contributing to the City's UAL, increasing it by \$1,905.5 million over this period. Net investment and liability experience over this period increased the UAL by \$1,274.8 million. All other sources of change shown above served to decrease the UAL by \$1,001.3 million. The net change in the UAL over this period was an increase of \$2,179.0 million.



### SECTION II – DISCLOSURES RELATED TO RISK

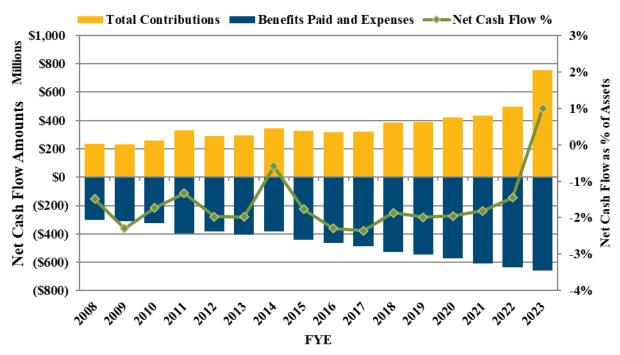
### C. Plan Maturity Measures

As pension plans become more mature, the identified risks become of more significant concern. As a result, it has become increasingly important to examine measures that indicate a pension plan's maturity level.

Net Cash Flow Ratio

A very important measure of plan maturity is the ratio of the net cash flow out of the plan, benefits and expenses less contributions, divided by the market value of plan assets. Most public sector pension plans are paying out more in benefits than they receive in contributions, leading to negative net cash flows, excluding investment income. This is not an unexpected development. However, when plans with negative net cash flows suffer investment losses, they need to liquidate some assets to be able to pay for benefits in excess of contributions. That means these plans will need to earn higher returns to rebuild their assets to the previous levels. Plans with significant negative cash flows (e.g., in excess of 5% of assets) are more vulnerable to market declines. However, as mentioned earlier, negative cash flows are expected with maturing plans and a plan's asset allocation may be adjusted to minimize sensitivity to investment risk.

### **Net Cash Flow**



The City's net cash flow ratio in the past several years hovered around negative 2%. In FYE 2023, the plan experienced a positive net cash flow as a result of the asset transfer for reinstated Proposition B members. These contributions are non-recurring, and the positive net cash flow of 1.0% is not expected to continue in future years; however, the significant increase in actives will lead to a higher net cash flow in the near-term than in prior years.



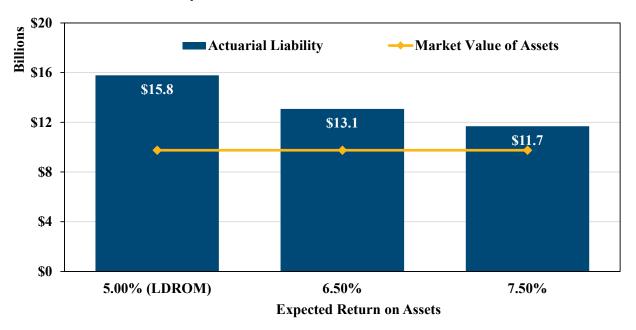
### SECTION II – DISCLOSURES RELATED TO RISK

### D. Assessment of Future Risks

Sensitivity to Discount Rates (Investment Returns)

The chart below compares the Market Value of Assets (gold line) to the Actuarial Liability (blue bars) using the discount rates equal to the current expected rate of return, 100 basis points above the expected rate of return, and 150 basis points below the expected rate of return, which is the LDROM. The low-default-risk obligation measure (LDROM) is the Actuarial Liability using a discount rate derived from low-default-risk fixed income securities that approximately match the benefit payments of the plan. The revised Actuarial Standard of Practice No. 4 requires the disclosure of this measurement.

### Sensitivity of Actuarial Liabilities to the Discount Rate



The System invests in a diversified portfolio with the objective of maximizing investment returns at a reasonable level of risk. If investments return 6.50% annually, the Plan would need approximately \$13.1 billion in assets today to pay all benefits attributable to past service compared to current assets of \$9.8 billion. If investment returns are only 5.00%, the Plan would need approximately \$15.8 billion in assets today, and if investment returns are 7.50%, the Plan would only need \$11.7 billion in assets.

The lowest risk portfolio for a pension plan with fixed cash flows would be composed entirely of low-default-risk fixed income securities whose cash flows match the benefit cash flows of the Plan. As of June 30, 2023, using the FTSE Pension Liability Index (rounded to the nearest 0.25%), we estimate that such a portfolio would have an expected return of 5.00%, and the Plan would need \$15.8 billion to pay all benefits attributed to past service. This amount is the LDROM. The \$2.7 billion difference between the LDROM and the Actuarial Liability at 6.50%



### SECTION II – DISCLOSURES RELATED TO RISK

represents the expected savings from bearing the risk of investing in the System's diversified portfolio. Alternatively, it also represents the cost of significantly minimizing the investment risk.

Because the System invests in a diversified portfolio and not the LDROM portfolio, the reported funded status is higher, and expected employer contributions are lower. Benefit security for members of the Plan depends on a combination of the Plan's assets, the investment returns generated on those assets, and the ability of the Plan to make any needed future contributions. An LDROM portfolio would generate more predictable but lower expected investment returns, potentially changing the level of reliance on future SDCERS-City contributions to secure benefits.



### SECTION II – DISCLOSURES RELATED TO RISK

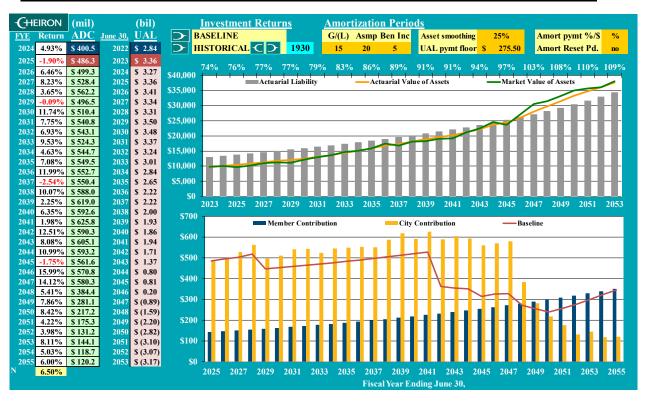
Stress Testing the Plan's Funded Status and Contribution Levels

The fundamental risk to the Plan is that contributions will not adequately fund plan benefits. In assessing this risk, we performed stress tests on the Plan's funded status and contribution level assuming varying returns in the future which over the entire projection period average 6.50%.

With varying annual earnings, the chart that follows shows the volatility in the plan's funded status (top graph) and in the City's contributions (bottom chart). Note that this chart reflects an illustrative scenario and is not intended to reflect future expectations.

What these charts show is that whether the Plan is fully funded, or poorly funded, subsequent returns can quickly alter the financial position of the Plan dramatically. It is impossible to judge the financial soundness of a plan with a single year point measurement. What is more important to consider is the plan's level of conservatism in funding the plan, and the discipline and ability of the plan sponsor to consistently contribute the ADC as determined by the plan actuary. In SDCERS' case, the Plan has been conservative relative to most other public pension funds, and since FY 2006 the City has contributed at least as much as the ADC, if not more.

SDCERS-City of San Diego Projections FY 2025-2055 (earnings which vary by year)





#### **SECTION III - ASSETS**

Like most other public pension plans, SDCERS uses two different asset measurements that are presented in this section: the market value and the actuarial value of assets. The market value of assets represents, as of the valuation date, the value of the assets if they were liquidated on that date. The actuarial value of assets is a value that smooths annual investment performance over multiple years to reduce the impact of annual investment volatility on employer contributions. The actuarial value of assets is used in determining SDCERS' contributions for the three participating employer plans.

Each employer receives a separate actuarial valuation report and cost determination. However, the assets of all employer plans are pooled for investment purposes. The apportionment of the assets among the employer plans directly impacts each employer's costs. Therefore, in the interest of ensuring transparency, this section discloses information on the total assets of SDCERS-All Employers. In addition, a brief explanation of how those assets are apportioned to the City of San Diego, the San Diego Unified Port District (Port District), and the San Diego County Regional Airport Authority is included.

On the following pages, detailed information is presented on SDCERS-All Employers assets, including:

- A. Disclosure of the June 30, 2023 total SDCERS market value of assets, by asset class;
- B. Market value of assets by Plan Sponsor;
- C. Development of the actuarial value of assets; and
- D. Disclosure of the investment performance for the year.



### **SECTION III - ASSETS**

### A. Disclosure of Market Value of Assets

The market value of assets represents a "snap-shot" value as of June 30, 2023, the last day of the fiscal year, which provides the principal basis for measuring financial performance from one year to the next. Market values, however, can fluctuate widely with swings in the investment markets. Because these fluctuations would cause volatility in employer contributions, an actuarial value of assets is developed. Table III-1 below discloses the market value by asset class of SDCERS – All Employers' gross assets on June 30, 2023.

Table III-1 SDCERS – All Employers										
<b>Summary of Reported Market Value of</b>	<b>Total Defined Benefit Plan Asse</b>									
Cash US Stocks International Stocks Private Equity Bonds Real Estate Receivables Miscellaneous Accounts Payable	\$ 421,945,061 2,628,447,911 2,034,373,542 1,652,528,976 3,034,788,741 1,215,498,911 918,442,798 134,630,556 (1,441,885,291)									
Market Value of Assets – June 30, 2023	\$ 10,598,771,205									



### **SECTION III – ASSETS**

### B. Market Value of Assets by Plan Sponsor

As of July 1, 2007, the City of San Diego, Port District, and Airport Authority plans were separated into independent, qualified, single-employer, governmental defined benefit plans and trusts. The assets of the three separate plans and trusts are pooled in the SDCERS Group Trust, which was established as of July 1, 2007. SDCERS invests and administers the Group Trust as a common investment fund and accounts separately for the proportional interest of each plan and trust that participates in the Group Trust. Cash flow activity for each plan is recorded directly to that plan, with investment activity and other cash flow activity not specific to any one plan being allocated based upon each plan's respective share of the Group Trust's total assets, with time-weighted adjustments for the plan-specific cash flows. Administrative expenses are allocated based on the proportion of participants of a participating trust to the number of total participants of all participating trusts on the first day of the plan year. Table III-2 below discloses the market value and actuarial value of assets by Plan.

Table III-2 Summary of Market and Actuarial Assets for Each Employer Group as of June 30, 2023												
		Ctuarial Value Total Assets Tune 30, 2023	T	Market Value otal Net Assets June 30, 2023	T	Market Value otal Net Assets June 30, 2022						
City of San Diego	\$	9,718,149,818	\$	9,752,376,704	\$	9,182,686,922						
Port District		565,787,023		569,093,082		554,779,179						
Airport Authority		277,856,707		277,301,418		262,565,673						
Total-SDCERS	\$	10,561,793,548	\$	10,598,771,205	\$	10,000,031,774						



### **SECTION III - ASSETS**

### C. Actuarial Value of Assets

To determine on-going funding requirements, most pension funds utilize an actuarial value of assets. Unlike the market value of assets, the actuarial value of assets represents an asset value based on averaging or smoothing year-to-year market value returns for purposes of reducing the resulting volatility on contributions.

The actuarial value of assets is equal to 100% of the expected actuarial value of assets as of June 30, 2023, plus 25% of the difference between the current actual market value of assets and the expected actuarial value of assets. See Appendix B, Section B-3 for further explanation of the asset valuation method. In no event will the actuarial value of assets ever be less than 80% of the market value of assets or greater than 120% of the market value of assets.

Table III-3 SDCERS - City of San Diego		
Development of Actuarial Value of Assets at June 30	202	23
Expected Value of Assets Method		
1. Actuarial Value of Assets at June 30, 2022	\$	9,008,489,093
2. Amount in (1) with interest at 6.50% to June 30, 2023		9,594,040,884
3. Employer and Member contributions for the Plan Year ended June 30, 2023		756,422,703
4. Disbursements from Trust excluding investment expenses, June 30, 2022 through June 30, 2023		659,839,325
5. Interest on cash flows to June 30, 2023 at 6.50% per year		16,116,595
6. Expected Actuarial Value of Assets at June 30, 2023 $= (2) + (3) - (4) + (5)$		9,706,740,856
7. Actual Market Value of Assets at June 30, 2023		9,752,376,704
8. Excess of (7) over (6)		45,635,848
9. Preliminary Actuarial Value of Assets at June 30, 2023 = (6) + 25% of (8)	\$	9,718,149,818
10. 80% Minimum Corridor on the Actuarial Value of Assets = 80% of (7)		7,801,901,363
11. 120% Maximum Corridor on the Actuarial Value of Assets = 120% of (7)		11,702,852,045
12. Final Actuarial Value of Assets at June 30, 2023 = (9), but no less than (10) and no more than (11)	\$	9,718,149,818



### **SECTION III – ASSETS**

### **D.** Investment Performance

The FY 2023 return on the market value of assets, as reported by SDCERS' investment consultant Aon Hewitt Investment Consulting, was 5.2%. The reported return for FY 2022 was -1.7%.

On an actuarial (smoothed) value of assets basis, the return for FY 2023 for SDCERS-All Employers was 6.76%. This return produced for SDCERS-All Employers an overall investment gain of \$22.2 million for the year ending June 30, 2023, or 0.2% of the total actuarial value of assets. This reported gain is different than the investment gain of \$5.3 million reported in Table I-2 of this report. The \$5.3 million is the gain only for SDCERS-City of San Diego.

Finally, it should be noted that rates of investment returns disclosed in this actuarial report will often differ slightly from those reported by SDCERS as well as SDCERS' investment consultant. This is because the returns disclosed in this report are dollar-weighted returns, whereas returns reported by SDCERS and its consultant are usually time-weighted returns.



### **SECTION IV – LIABILITIES**

In this section, we present detailed information on liabilities for SDCERS-City of San Diego, including:

- Disclosure of liabilities on June 30, 2022 and June 30, 2023, and
- Statement of changes in the unfunded actuarial liabilities during the year.

### A. Disclosure

Several types of liabilities are calculated and presented in this report. Each type is distinguished by the purpose for which the figures are ultimately used. Note that these liabilities are not applicable for settlement purposes, including the purchase of annuities and the payment of lump sums.

- **Present Value of Future Benefits:** Used for measuring all future SDCERS-City of San Diego obligations, represents the amount of money needed today to fully fund all benefits of SDCERS-City of San Diego, both earned as of the valuation date and those to be earned in the future by current plan members, under the current plan provisions.
- Actuarial Liability-Entry Age Normal (EAN): Used for determining employer contributions. This liability is calculated by taking the present value of all future benefits and subtracting the present value of future Member contributions and future employer normal costs as determined under the EAN actuarial funding method. It represents the portion of the present value of future benefits attributed to service prior to the valuation date by the Entry Age Normal method.
- **Present Value of Accrued Benefits:** This liability represents the present value of future benefits payable to all plan participants as of the valuation date, if future accruals and contributions stopped.

Table IV-1 on the following page discloses the first two of these liabilities for the current and prior year valuations. Tables IV-2 through IV-4 break down these liabilities by tier. Subtracting the actuarial value of assets from the actuarial liability results in a net surplus or an unfunded actuarial liability (UAL). Table IV-5 discloses the third of these liabilities, present value of accrued benefits, for the current and prior year valuations.



### **SECTION IV – LIABILITIES**

Table IV-1												
SDCERS - City of San Diego - Total												
Valuation as of:		June 30, 2023	June 30, 2022									
Present Value of Future Benefits												
Actives	\$	6,513,568,989	\$	4,363,636,696								
Terminated		391,958,473		375,388,656								
Disabled		510,660,180		516,727,670								
Retirees		7,668,915,543		7,380,591,977								
Beneficiaries		463,609,383		432,825,575								
Total City	\$	15,548,712,568	\$	13,069,170,573								
Actuarial Liability - EAN												
Total Present Value of Future Benefits	\$	15,548,712,568	\$	13,069,170,573								
Present Value of Future Normal Costs												
Employer Portion		1,240,305,376		619,903,113								
Employee Portion		1,227,054,947		600,798,864								
Actuarial Liability - EAN	\$	13,081,352,245	\$	11,848,468,596								
Actuarial Value of Assets	\$	9,718,149,818	\$	9,008,489,093								
Unfunded EAN Actuarial Liability	\$	3,363,202,427	\$	2,839,979,503								

Table IV-2 shows the actuarial liability as of June 30, 2023 for General and Elected Members of SDCERS-City of San Diego.

Table IV-2															
SDCERS - C	SDCERS - City of San Diego - General & Elected as of June 30, 2023														
		Elected													
Present Value of Future Benefits															
Actives	\$	3,765,017,481	\$	2,127,523,349	\$	1,624,872,751	\$	12,621,381							
Terminated		287,558,249		272,724,293		14,484,799		349,157							
Disabled		108,133,697		106,813,319		1,320,378		0							
Retirees		4,009,658,011		3,990,688,968		8,443,031		10,526,012							
Beneficiaries		191,369,612		190,476,591		0		893,021							
Total City General & Elected	\$	8,361,737,050	\$	6,688,226,520	\$	1,649,120,959	\$	24,389,571							
Actuarial Liability - EAN															
Actives	\$	2,367,152,386	\$	1,824,146,128	\$	537,741,024	\$	5,265,234							
Terminated		287,558,249		272,724,293		14,484,799		349,157							
Disabled		108,133,697		106,813,319		1,320,378		0							
Retirees		4,009,658,011		3,990,688,968		8,443,031		10,526,012							
Beneficiaries		191,369,612		190,476,591		0		893,021							
Total City General & Elected	\$	6,963,871,955	\$	6,384,849,299	\$	561,989,232	\$	17,033,424							



### **SECTION IV – LIABILITIES**

Table IV-3 shows the actuarial liability as of June 30, 2023, for Police Members of SDCERS-City of San Diego.

	Table IV-3													
SDCERS - City of San Diego - Police as of June 30, 2023														
		Total		Police-Old	]	Police-2009	]	Police-2012	Poli	ce-2012 No COL	Police-Prop B			
Present Value of Future Benefits														
Actives	\$	1,732,563,950	\$	939,708,715	\$	86,245,248	\$	26,199,893	\$	67,051,896	\$	613,358,198		
Terminated		85,266,666		68,919,618		6,575,909		633,097		1,612,476		7,525,566		
Disabled		291,588,574		289,288,658		2,253,104		46,812		0		0		
Retirees		2,470,934,072		2,470,934,072		0		0		0		0		
Beneficiaries		188,040,512		187,859,154		0		0		0		181,358		
Total City Safety	\$	4,768,393,774	\$	3,956,710,217	\$	95,074,261	\$	26,879,802	\$	68,664,372	\$	621,065,122		
Actuarial Liability - EAN														
Actives	\$	1,028,408,568	\$	765,079,309	\$	54,854,694	\$	14,893,309	\$	34,027,918	\$	159,553,338		
Terminated		85,266,665		68,919,618		6,575,909		633,097		1,612,476		7,525,566		
Disabled		291,588,574		289,288,658		2,253,104		46,812		0		0		
Retirees		2,470,934,072		2,470,934,072		0		0		0		0		
Beneficiaries		188,040,512		187,859,154		0		0		0		181,358		
Total City Safety	\$	4,064,238,391	\$	3,782,080,811	\$	63,683,707	\$	15,573,218	\$	35,640,394	\$	167,260,262		



### **SECTION IV – LIABILITIES**

Table IV-4 shows the actuarial liability as of June 30, 2023, for Fire and Lifeguard Members of SDCERS-City of San Diego.

				Table IV-4	1									
SDCERS - City of San Diego - Fire and Lifeguard as of June 30, 2023														
		Total		Fire-Old		Fire-2012	Lifeguard			Lifeguard-2011				
Present Value of Future Benefits														
Actives	\$	1,015,987,558	\$	578,844,560	\$	350,627,036	\$	71,104,922	\$	15,411,040				
Terminated		19,133,560		16,125,101		623,564		2,340,648		44,247				
Disabled		110,937,909		97,061,775		0		13,876,134		0				
Retirees		1,188,323,460		1,076,520,394		0		111,803,066		0				
Beneficiaries		84,199,259		81,516,030		0		2,683,229	_	0				
Total City Safety	\$	2,418,581,746	\$	1,850,067,860	\$	351,250,600	\$	201,807,999	\$	15,455,287				
Actuarial Liability - EAN														
Actives	\$	650,647,710	\$	483,786,606	\$	115,785,960	\$	48,595,791	\$	2,479,353				
Terminated		19,133,560		16,125,101		623,564		2,340,648		44,247				
Disabled		110,937,909		97,061,775		0		13,876,134		0				
Retirees		1,188,323,460		1,076,520,394		0		111,803,066		0				
Beneficiaries		84,199,259	_	81,516,030		0		2,683,229	_	0				
Total City Safety	\$	2,053,241,898	\$	1,755,009,906	\$	116,409,524	\$	179,298,868	\$	2,523,600				

Table IV-5 shows the present value of accrued benefits as of June 30, 2023, for all Members of SDCERS-City of San Diego.

	Table IV-5 SDCERS - City of San Diego - Present Value of Accrued Benefits									
	Valuation as of:		June 30, 2023		June 30, 2022	% Change				
1.	Present Value of Accrued Benefits									
	a. Members Currently Receiving Payments	\$	8,643,185,106	\$	8,330,145,222	3.8%				
	b. Terminated and Inactive Members		391,958,473		375,388,656	4.4%				
	c. Active Members	_	2,906,277,158		2,315,605,812	<u>25.5%</u>				
	d. Total PVAB	\$	11,941,420,737	\$	11,021,139,690	8.4%				
2.	Assets at Market Value	\$	9,752,376,704	\$	9,182,686,922	6.2%				
3.	Unfunded Present Value of Accrued Benefits, But Not Less Than Zero	\$	2,189,044,033	\$	1,838,452,768					
4.	Ratio of Assets to Value of Benefits (2)/(1)(d)		81.67%		83.32%	-1.6%				



### **SECTION IV – LIABILITIES**

### **B.** Changes in Unfunded Actuarial Liabilities

The UAL of any retirement plan is expected to change at each subsequent valuation for a variety of reasons. In each valuation, we report on those elements of change in the UAL that have particular significance or could potentially affect the long-term financial outlook of a retirement plan. Below we present key changes in liabilities since the last valuation.

Table IV-6											
Development of 2023 Experience Gain/(Loss) SDCERS - City of San Diego											
(In Millions)											
1. Unfunded Actuarial Liability at June 30, 2022			\$	2,840.0							
2. Prop B re-instatement on July 9, 2022				119.1							
3. Beginning of year Unfunded Actuarial Liability payment				(300.8)							
4. Interest accrued at 6.50%			169.8								
5. Expected Unfunded Actuarial Liability at June 30, 2023 (1+2+3)				2,828.0							
6. Actual Unfunded Liability at June 30, 2023				3,363.2							
7. Difference: (4 - 5)				(535.2)							
8. Portion of difference (6) due to actuarial assumption or method change	es			(222.6)							
9. Portion of difference (6) due to contributions greater than expected				11.7							
10. Portion of difference (6) due to net experience Gain/(Loss)				(324.2)							
a) portion of (10) due to investment experience	\$	5.3									
b) portion of (10) due to liability experience	\$	(329.6)									
c) portion of (10) due to service purchases	\$	0									



### **SECTION IV – LIABILITIES**

Table IV-7 shows the history of past experience gains and losses.

	T	able IV-7	
Experience	Gain/(Loss) - His	torical SDCERS - C	City of San Diego
Valuation		Beginning-of-Year	Gain/(Loss)
<u>Date</u>	Gain/(Loss)	Actuarial Liabilities	% of Liability
06/30/1992	\$ 57,952,320	\$ 1,006,299,729	5.8%
06/30/1993	(42,605,778)	1,057,238,917	-4.0%
06/30/1994	(6,744,850)	1,220,830,059	-0.6%
06/30/1995	(11,370,990)	1,338,279,541	-0.8%
06/30/1996	59,592,960	1,476,710,662	4.0%
06/30/1997	38,473,993	1,682,604,532	2.3%
06/30/1997	31,086,010	1,822,432,018	1.7%
00/30/1999	29,730,299	1,979,668,038	1.5%
06/30/2000	286,639,160	2,181,547,453	13.1%
06/30/2001	(193,168,984)	2,528,773,900	-7.6%
06/30/2002	(364,815,155)	2,809,537,745	-13.0%
06/30/2002	(303,699,305)	3,168,921,175	-9.6%
06/30/2004	(58,123,874)	3,532,625,521	-1.6%
06/30/2004	36,775,882	3,997,328,084	0.9%
6/30/2006	205,249,486	4,377,092,948	4.7%
0/30/2000	203,249,480	4,377,092,948	4./%
06/30/2007	35,189,811	4,982,699,455	0.7%
06/30/2008	(49,930,537)	5,597,652,861	-0.9%
06/30/2009	(818,906,079)	5,963,549,545	-13.7%
06/30/2010	(71,030,037)	6,281,636,108	-1.1%
06/30/2011	130,020,025	6,527,223,751	2.0%
0.5/0.0/0.10	(4.05. 504. 055)		4.70
06/30/2012	(102,581,872)	6,917,175,002	-1.5%
06/30/2013	(16,759,103)	7,261,730,655	-0.2%
06/30/2014	126,171,209	7,555,526,738	1.7%
06/30/2015	34,597,899	7,858,703,380	0.4%
06/30/2016	(99,718,170)	8,205,952,554	-1.2%
06/30/2017	23,223,195	9,013,130,184	0.3%
06/30/2018	(36,298,951)	9,565,802,458	-0.4%
06/30/2019	(106,047,925)	10,192,808,461	-1.0%
06/30/2020	(141,967,177)	10,602,166,314	-1.3%
06/30/2020	309,606,387	11,206,325,937	2.8%
00.20.2021	207,000,207	11,200,020,001	2.070
06/30/2022	(61,966,826)	11,478,108,909	-0.5%
06/30/2023	(324,241,369)	11,848,468,596	-2.7%
1	(- , , )	,,,->0	

<sup>&</sup>lt;sup>1</sup> Beginning with the June 30, 1999 valuation, experience is City only. The prior years include all employers.



### **SECTION V – CONTRIBUTIONS**

In the process of evaluating the financial condition of any pension plan, the actuary analyzes the assets and liabilities to determine what level (if any) of contributions is needed to achieve and maintain an appropriate funded status of a plan. Typically, the actuarial process will use an actuarial funding method that attempts to create a pattern of contributions that is both stable and predictable.

The actuarial funding methodology employed is the Entry Age Normal (EAN) actuarial funding method. Under the funding method, there are three components to the total contribution: the normal cost, an amortization payment on the unfunded actuarial liability, and the expected administrative expenses. The normal cost for an individual employee is the ratio of their present value of future benefits to present value of future salaries at entry age, multiplied by their valuation salary. The gross normal cost rate for each sub-group is determined by dividing the sum of the individual normal costs by the total valuation salary for that sub-group. The gross normal cost rate is then reduced by the average employee contribution rate to determine the employer normal cost rate. Finally, the employer normal cost rate for each sub-group is multiplied by that group's projected FY 2025 payroll to determine the normal cost component of the FY 2025 ADC.

The EAN actuarial liability is the Plan's total present value of future benefits minus the total present value of future normal costs. The actuarial value of assets is allocated to each sub-group based on the proportion of the EAN actuarial liability for that sub-group. The difference between the EAN actuarial liability and the actuarial value of assets is the unfunded actuarial liability. The UAL for FY 2025 is to be amortized over several different periods. Table V-2 shows the outstanding balance, the FY 2025 payment and the remaining amortization period for each of these components. If necessary, there is an additional UAL cost component to ensure that there is no negative amortization in aggregate in any year.

Beginning with the June 30, 2012 valuation, the non-Police portion of the UAL had been amortized in level dollar amounts, due to the closure of that portion of the plan to new hires. The portion of the UAL associated with the open Police Plan was amortized as a level percentage of pay through the FY 2024 payment.

In January 2015, the Board voted to account for expected administrative expenses explicitly in the actuarially determined contribution (ADC). The administrative expense component is \$14,700,000 for FY 2025 (assuming payment at the beginning of the year). This amount is assumed to increase by 3.00% per year.

In September 2017, the Board adopted a five-year layering method for the 2009 experience loss and 2012 non-Police UAL amortization bases in order to improve the projected stability of future employer contributions. Details are shown in Table V-2 of this section.

In January 2019, the Board adopted a UAL contribution floor amortization method, setting a minimum of \$275,495,017 on the UAL payment until the Plan achieves a 100% funding ratio. This UAL payment floor was based on the Fiscal Year 2020 amortization payment as determined by the results of the June 30, 2018 actuarial valuation.



### **SECTION V – CONTRIBUTIONS**

In March 2024, the SDCERS Board voted to revise the amortization method for the non-Police UAL portion of the Plan from level dollar payments to a level percentage of pay. The change is effective with the FY 2025 Actuarially Determined Contribution.

Table V-1 shows how the City's contribution for SDCERS for FY 2025 is developed.

	Table V-1											
	SDCERS - City of San Diego											
	Development of the City's Contribution as of June 30, 2023 for FY 2025 (dollars in millions)											
	<u>and the control of t</u>											
	WEIGHTED Non-Safety											
		General General							General			
		TO	TAL CITY	Wei	ghted Total		Old Plan		009 Plan	Ele	ected	
1.	Total Normal Cost Rate as of June 30, 2023		28.58%		24.56%		25.85%		23.84%	40	.74%	
2.	Member Contribution Rate as of June 30, 2023		14.41%		12.31%		13.61%		11.68%		.05%	
3.	Employer Normal Cost Rate as of June 30, 2023 (1-2)		14.17%		12.25%		12.24%		12.16%	31	.69%	
4.	Actuarial Liability	\$	13,081.4	\$	6,963.9	\$	6,384.8	\$	562.0	\$	17.0	
5.	Actuarial Assets	\$	9,718.1	\$	5,156.8	\$	4,728.1	\$	416.2	\$	12.6	
6.	Total Unfunded Actuarial Liability (UAL) (4-5) <sup>1</sup>	\$	3,363.2	\$	1,807.0	\$	1,656.8	\$	145.8	\$	4.4	
7.	Preliminary FY25 UAL amortization <sup>1</sup>	s	335.0	\$	171.0	\$	156.8	\$	13.8	\$	0.4	
8.	UAL Payment Floor <sup>2</sup>	\$	275.5	\$	148.0	\$	135.7	\$	11.9	\$	0.4	
9.	Negative Amortization Test for FY25											
	a. Total UAL on 6/30/2023 less FY24 UAL payment	\$	3,051.8	\$	1,639.7	\$	1,503.4	\$	132.3	\$	4.0	
	b. Interest on 9a. To 6/30/2024	\$	198.4	\$	106.6	\$	97.7	\$	8.6	\$	0.3	
	c. Preliminary FY25 UAL amortization (line 7)	\$	335.0	\$	171.0	\$	156.8	\$	13.8	\$	0.4	
	d. Negative interest (9b - 9c, not less than zero)	\$	0.0	\$	0.0	\$	0.0	\$	0.0	\$	0.0	
10.	Total FY25 UAL payment on 7/1/2024 (maximum of 7, 8, 9b.)	\$	335.0	\$	171.0	\$	156.8	\$	13.8	\$	0.4	
11.	Total FY25 UAL payment throughout year	\$	345.7	\$	176.5	\$	161.8	\$	14.2	\$	0.4	
12.	Total Expected Payroll for FY25	\$	997.5	\$	673.4	\$	185.8	\$	485.3	\$	2.2	
13.	FY25 Normal Cost paid throughout the year	\$	141.0	\$	82.5	\$	22.8	\$	59.0	\$	0.7	
14.	FY25 Normal Cost paid at start of year	\$	136.6	\$	79.9	\$	22.1	\$	57.2	\$	0.7	
15.	Administrative Expenses paid throughout the year	\$	15.2	\$	8.1	\$	5.8	\$	2.3	\$	0.0	
16.	Determination of Standard FY25 ADC %											
	a. Employer Normal Cost Rate (13 divided by 12)		14.14%		12.25%		12.24%		12.16%		.69%	
	b. UAL Rate (line 11 divided by line 12)		34.65%		26.20%		87.06%		2.93%		.20%	
	c. Admin Expense Rate (line 15 divided by line 12) d. Total employerStandard ADC % (16a + 16b + 16c)		1.52% 50.31%		1.20% 39.65%		3.10% 102.39%		0.47% 15.57%	_	.59% .48%	
	1 7		30.31%		39.03%		102.39%		13.3/%	32	.4070	
17.	Determination of Final FY25 ADC dollars paid at beginning of year		<b>5</b> 01.0	•	267.0	ď	100.2		75.5	ø	1.2	
	a. FY25 ADC if paid throughout year	\$ \$	501.8 486.3	\$ \$	267.0 258.7	\$ \$	190.3 184.4	\$ \$	75.5 73.2	\$ \$	1.2 1.1	
	b. FY25 ADC if paid at beginning of year	\$	486.3	\$	258.7	\$	184.4	\$	73.2	\$		

See Table V-2 for components of these amounts.

Note: Numbers may not add due to rounding.



<sup>&</sup>lt;sup>2</sup> See Appendix B for details on the UAL Payment Floor.

### **SECTION V – CONTRIBUTIONS**

### Table V-1 (cont.) SDCERS - City of San Diego Development of the City's Contribution as of June 30, 2023 for FY 2025 (dollars in millions)

	Safety																			
							Police													
	Weighted		Police		Police		Police		2012		Police			Fire	Fire				Lifegaurd	
	Total		Old		_	2009	2012		No COL		_	op B	Old		2012		Old			011
1. Total Normal Cost Rate as of June 30, 2023		36.72%	38.80%		36.57%		36.87%		33.91%		33.98%		38.07%		38.18%		40.09%			.83%
2. Member Contribution Rate as of June 30, 2023		18.68%		20.85%		19.38%	<u>19.36%</u>		16.29%		<u>16.04%</u>		20.25%		19.50%		21.22%		_	.58%
3. Employer Normal Cost Rate as of June 30, 2023 (1-2)		18.04%		17.95%		17.19%	17.51% 17.62%		17.94%			17.82%	18	8.68%	6 18.87%		18.25%			
4. Actuarial Liability	\$	6,117.5	\$	3,782.1	\$	63.7	\$	15.6	\$	35.6	\$	167.3	\$	1,755.0	\$	116.4	\$	179.3	\$	2.5
5. Actuarial Assets	\$	4,561.3	\$	2,829.7	\$	47.6	\$	11.7	\$	26.7	\$	125.1	\$	1,299.6	\$	86.2	\$	132.8	\$	1.9
6. otal Unfunded Actuarial Liability (UAL) (4-5)	\$	1,556.2	\$	952.3	\$	16.0	\$	3.9	\$	9.0	\$	42.1	\$	455.4	\$	30.2	\$	46.5	\$	0.7
7. reliminary FY25 UAL amortization <sup>1</sup>	\$	164.0	\$	105.7	\$	1.8	\$	0.4	\$	1.0	\$	4.7	\$	43.1	\$	2.9	\$	4.4	\$	0.1
8. JAL Payment Floor <sup>2</sup>	\$	127.5	\$	78.0	\$	1.3	\$	0.3	\$	0.7	\$	3.4	\$	37.3	\$	2.5	\$	3.8	\$	0.1
9. Negative Amortization Test for FY25																				
a. Total UAL on 6/30/2023 less FY24 UAL payment	\$	1,412.1	\$	864.2	\$	14.6	\$	3.6	\$	8.1	\$	38.2	\$	413.2	\$	27.4	\$	42.2	\$	0.6
b. Interest on 9a. To 6/30/2024	\$	91.8	\$	56.2	\$	0.9	\$	0.2	\$	0.5	\$	2.5	\$	26.9	\$	1.8	\$	2.7	\$	0.0
c. Preliminary FY25 UAL amortization (line 7)	\$	164.0	\$	105.7	\$	1.8	\$	0.4	\$	1.0	\$	4.7	\$	43.1	\$	2.9	\$	4.4	\$	0.1
d. Negative interest (9b - 9c, not less than zero)	\$	0.0	\$	0.0	\$	0.0	\$	0.0	\$	0.0	\$	0.0	\$	0.0	\$	0.0	\$	0.0	\$	0.0
10. Total FY25 UAL payment on 7/01/2024 (9c + 9d, not less than 8)	\$	164.0	\$	105.7	\$	1.8	\$	0.4	\$	1.0	\$	4.7	\$	43.1	\$	2.9	\$	4.4	\$	0.1
11. Total FY25 UAL payment throughout year	\$	169.2	\$	109.0	\$	1.8	\$	0.4	\$	1.0	\$	4.8	\$	44.5	\$	2.9	\$	4.5	\$	0.1
12. Total Expected Payroll for FY25	\$	324.1	\$	68.8	\$	9.4	\$	3.2	\$	9.2	\$	121.2	\$	41.6	\$	60.5	\$	6.8	\$	3.5
13. FY25 Normal Cost paid throughout the year	\$	58.5	\$	12.3	\$	1.6	\$	0.6	\$	1.6	\$	21.7	\$	7.4	\$	11.3	\$	1.3	\$	0.6
14. FY25 Normal Cost paid at start of year	\$	56.7	\$	12.0	\$	1.6	\$	0.5	\$	1.6	\$	21.1	\$	7.2	\$	10.9	\$	1.3	\$	0.6
15. Administrative Expenses paid throughout the year	\$	7.1	\$	3.8	\$	0.1	\$	0.0	\$	0.1	\$	0.8	\$	1.6	\$	0.4	\$	0.2	\$	0.0
16. Determination of FY25 ADC %																				
a. Employer Normal Cost Rate (13 divided by 12)			17.19%	-,			17.94%		17.82%		18.68%		18.87%			.25%				
b. UAL Rate (line 11 divided by line 12)		52.21%		158.51%		19.53%						3.98% 106.95%		4.88%			6.35%		.85%	
c. Admin Expense Rate (line 15 divided by line 12)		<u>2.19%</u>		5.50%	l .	1.14%				<u>0.90%</u> <u>0.68%</u>				0.73%		2.66%		0.63%		
d. Total employer ADC % (16a + 16b + 16c)		72.45%		181.97%	37.87% 32.42%		32.42%	% 29.70%		29.70% 22.60%		128.66%		24.29%		87.87%		20.73%		
17. Determination of FY25 ADC dollars							١.													
a. FY25 ADC if paid throughout year	\$	234.8		125.2	\$	3.6		1.0	\$	2.7	\$	27.4	\$	53.5	\$	14.7	\$	6.0	\$	0.7
<ul> <li>b. FY25 ADC if paid at beginning of year</li> </ul>	\$	227.5	\$	121.3	\$	3.4	\$	1.0	\$	2.6	\$	26.5	\$	51.8	\$	14.2	\$	5.8	\$	0.7

Note: Numbers may not add due to rounding.



See Table V-2 for components of these amounts.
 See Appendix B for details on the UAL Payment Floor.

### **SECTION V – CONTRIBUTIONS**

Table V-2 shows information on each layer of the June 30, 2023 UAL.

Table V-2													
SDCERS - City of San Diego Schedule of Amortization Bases as of July 1, 2023													
		Used in Develo	pment of the	City's Contribution	on for FY 2025								
		FY 2025	Remaining	FY 2025									
	Date		Amortization	Outstanding	Outstanding	Amortization	Amortization						
Type of Base	<b>Established</b>	Initial Amount	Years	<b>Balance</b>	Balance (BOY) 1	Years	Payment (BOY)						
1. June 30, 2007 UAL	7/1/2007	\$ 1,184,242,049	20	\$ 194,164,853	\$ 162,660,784	4	\$ 42,574,692						
Assumption Change	7/1/2008	83,787,434	30	29,435,615	28,869,383	15	2,369,610						
3. Experience Loss	7/1/2008	13,654,981	15	608,642	0	0	0						
4. Experience Loss	7/1/2009	810,661,179	15	,-									
- Layer 1		, ,		13,746,338	7,199,411	1	7,199,411						
- Layer 2				18,033,691	12,591,981	2	6,393,545						
- Layer 3				21,363,346	16,780,002	3	5,767,549						
- Layer 4				24,022,620	20,124,848	4	5,267,460						
- Layer 5				26,194,353	22,856,488	5	4,858,940						
5. Experience Loss	7/1/2010	25,942,732	15	3,117,562	2,176,830	2	1,105,280						
6. Experience Gain <sup>2</sup>	7/1/2010	(50,000,000)	14	(3,945,922)	(2,066,609)	1	(2,066,609)						
7. Experience Gain	7/1/2011	(141,139,563)	15	(21,370,897)	(16,785,933)	3	(5,769,587)						
Assumption Change	7/1/2011	188,313,322	30	66,590,147	65,979,052	18	4,709,126						
Experience Loss	7/1/2012	36,799,824	15	21,090,966	17,668,867	4	4,624,634						
10. Method Change	7/1/2012	2,465,954	30	2,783,779	2,765,649	19	189,645						
11. Non-Police UAL <sup>3</sup>				2,765,777	2,703,047	17	107,043						
	7/1/2012	1,564,122,860	15										
- Layer 1				137,597,080	113,430,281	4	29,689,143						
- Layer 2				149,857,677	128,642,579	5	27,347,446						
- Layer 3				160,000,335	141,227,277	6	25,398,500						
- Layer 4				168,514,439	151,791,522	7	23,751,672						
- Layer 5	7/1/2012	25 077 674	1.5	175,749,594	160,769,044	8	22,342,226						
12. Experience Loss	7/1/2013	25,877,674	15	15,142,480	13,075,430	5	2,779,637						
13. Salary Freeze	7/1/2013	(194,945,486)	15	(113,128,935)	(97,601,984)	5	(20,748,690)						
14. Assumption Change	7/1/2013	146,882,570	30	145,856,809	143,499,767	20	9,479,254						
15. Experience Gain	7/1/2014	(129,251,561)	15	(85,862,739)	(76,336,516)	6	(13,728,460)						
16. Experience Gain	7/1/2015	(37,814,454)	15 30	(27,453,063)		7	(3,894,815)						
17. Assumption Change	7/1/2015	95,828,141		97,099,340	95,860,036	22	5,918,037						
18. Experience Loss	7/1/2016	90,825,538	15 30	71,375,836	65,713,007	8	9,132,199						
19. Assumption Change	7/1/2016	543,780,953		553,367,038	546,699,106	23	32,729,336						
20. Experience Gain	7/1/2017	(8,079,441)	15	(7,738,072)	(7,380,928)	9	(925,374)						
21. Assumption Change	7/1/2017	253,973,564	30	261,920,275	259,326,546	24	15,082,468						
22. Experience Loss	7/1/2018	38,977,116	15	36,587,736	34,832,744	10	3,988,746						
23. Assumption Change	7/1/2018	274,300,207	30	285,329,727	282,904,787	25	16,011,174						
24. Experience Loss	7/1/2019	107,071,265	15	103,173,427	98,576,206	11	10,413,423						
25. Experience Loss	7/1/2020	135,421,404	15	133,446,716	127,339,209	12	12,511,975						
26. Assumption Change	7/1/2020 7/1/2021	291,080,547	20 15	297,440,932	290,189,549	17	21,622,961						
27. Experience Gain		(293,736,178)		(301,746,647)	(289,663,446)	13	(26,655,795)						
28. Experience Loss	7/1/2022	46,592,481	15 20	49,620,992	47,179,222	14	4,090,024						
29. Proposition B Shortfall	7/1/2022	119,051,737		126,636,643	123,374,939	19	8,459,998						
30. Experience Loss	7/1/2023	311,948,523	15	311,948,523	332,225,177	15	27,269,167						
31. Assumption Change	7/1/2023	222,631,193	15	222,631,193	237,102,221	20	15,662,410						
TOTAL				\$ 3,363,202,427	\$ 3,238,705,646		\$ 334,950,356						

<sup>&</sup>lt;sup>1</sup> July 1, 2023 outstanding balance adjusted to the FY2025 beginning of year (BOY), July 1, 2024.



<sup>&</sup>lt;sup>2</sup> Reduction in UAL from anticipated impact of PSC correction as of the June 30, 2010 valuation.

<sup>&</sup>lt;sup>3</sup> Entire non-Police UAL as of June 30, 2012. Other pre-2013 bases reflect amounts attributable to Police portion.

#### SECTION VI - ANNUAL COMPREHENSIVE FINANCIAL REPORT INFORMATION

Tables VI-1 and VI-2 are exhibits required for the System's Annual Comprehensive Financial Report (ACFR). The Government Finance Officers Association (GFOA) recommends showing at least six years of experience in each of these exhibits in the ACFR. Table VI-1 presents an analysis of financial experience for the valuation year, and Table VI-2 presents the Schedule of Funded Liabilities by Type which shows the portion of actuarial liability covered by assets.

The disclosures needed to satisfy the requirements of Governmental Accounting Standards Board (GASB) Statement Nos. 67 and 68 are contained in our separate GASB 67/68 report as of June 30, 2023, issued on November 16, 2023.

# Table VI-1 SDCERS - City of San Diego ANALYSIS OF FINANCIAL EXPERIENCE Gain and Loss in Actuarial Liability During Years Ended June 30 **Resulting from Differences Between Assumed Experience** and Actual Experience Gain (or Loss) for Year ending **Type of Activity** June 30, 2023 \$ 5,346,315 Investment Income (329,587,684)Combined Liability Experience (324,241,369)Gain (or Loss) During Year from Financial Experience (210,967,054)Non-Recurring Gain (or Loss) Items (e.g., Contributions, Assumption Changes) (535,208,423)Composite Gain (or Loss) During Year



#### SECTION VI - ANNUAL COMPREHENSIVE FINANCIAL REPORT INFORMATION

Table VI-2
SDCERS - City of San Diego

# Schedule of Funded Liabilities by Type (\$ in thousands)

	(A)	(B)	(C)						
			Remaining			ion of Actu			
Valuation	Active	Retirees	Active		Liabilities Covered				
Date	Member	And	Members'	Reported	•	Reported As			
June 30,	Contributions	Beneficiaries	Liabilities	Assets 1	<b>(A)</b>	<b>(B)</b>	(C)		
2023 5	\$ 1,221,299	\$ 8,643,185	\$ 3,216,868	\$ 9,718,150	100%	98.31%	0.00%		
2022	474,034	8,330,145	3,044,289	9,008,489	100	100.00	0.07		
2021	879,076	8,141,804	2,457,228	8,526,118	100	93.92	0.00		
2020 5	935,128	7,569,083	2,702,115	7,870,672	100	91.63	0.00		
2019	891,148	7,238,750	2,472,268	7,595,073	100	92.61	0.00		
2018 5	836,454	7,089,658	2,266,697	7,214,925	100	89.97	0.00		
2017 5	808,937	6,692,735	2,064,131	6,808,418	100	89.64	0.00		
2016 5	798,226	6,221,393	1,993,511	6,455,378	100	90.93	0.00		
2015 5	779,487	5,579,503	1,846,962	6,204,244	100	97.23	0.00		
2014	741,628	5,304,270	1,812,805	5,828,594	100	95.90	0.00		
2013 5	709,796	4,975,550	1,870,181	5,317,778	100	92.61	0.00		
2012	662,488	4,625,110	1,974,133	4,982,442	100	93.40	0.00		
2011 5	627,447	4,344,218	1,945,510	4,739,399	100	94.65	0.00		
2010	584,296	3,912,113	2,030,816	4,382,047	100	97.08	0.00		
2009	535,797	3,673,185	2,072,655	4,175,229	100	99.08	0.00		
2008 5	522,966	3,286,668	2,153,916	4,662,346	100	100	39.50		
2007 4	482,526	3,101,594	2,013,532	4,413,311	100	100	41.19		
$2006^{3}$	456,562	2,822,203	1,703,935	3,981,932	100	100	41.27		
2005	457,550	2,183,263	1,736,279	2,983,080	100	100	19.71		
2004	414,986 4	1,946,660	1,635,681	2,628,680	100	100	16.33		

<sup>&</sup>lt;sup>1</sup> Actuarial Value of Assets.



<sup>&</sup>lt;sup>2</sup> Estimated.

<sup>&</sup>lt;sup>3</sup> Reflects contingent liabilities (Corbett pre-July 1, 2000 and Annual Supplemental Benefit), DROP reserves, supplemental COLA reserves, and IRC section 415 limits.

<sup>&</sup>lt;sup>4</sup> The actuarial liability on June 30, 2007 and after is based on the entry age actuarial funding method. All prior years are based on the projected unit credit actuarial funding method.

<sup>&</sup>lt;sup>5</sup> Reflects revised actuarial demographic and economic assumptions.

	Table A-1 Reconciliation of Member Data Total - City of San Diego											
		<b>Terminated</b>	<u>Terminated</u>									
	<b>Active</b>	<b>Vested</b>	Non-Vested	<b>Disabled</b>	Retired	<b>Beneficiaries</b>	<b>DROP</b>	<u>Totals</u>				
Participants as of 7/1/2022	5,555	760	2,175	1,053	7,536	1,556	884	19,519				
New Entrants	4,713	5	0	0	0	0	0	4,718				
Returned to Work	38	(23)	(15)	0	0	0	0	0				
Vested Terminations	(83)	85	(2)	0	0	0	0	0				
Non-Vested Terminations	(341)	0	341	0	0	0	0	0				
Retirements	(67)	(61)	(14)	0	360	0	(218)	0				
DROP	(129)	0	0	0	0	0	129	0				
Disabilities	0	(2)	(3)	7	(2)	0	0	0				
New Continuants	0	0	0	0	0	131	0	131				
New Dissolutions 1	0	0	0	0	7	0	6	13				
Deceased	(10)	(3)	(13)	(40)	(158)	(72)	(6)	(302)				
Benefits Ceased <sup>2</sup>	(3)	(1)	0	0	(5)	(5)	0	(14)				
Lump Sum Cashout	(60)	(8)	(76)	0	0	0	0	(144)				
Transfers In/Out	38	0	(31)	0	0	0	0	7				
Miscellaneous Adjustments	0	1	0	0	2	(1)	0	2				
Participants as of 7/1/2023	9,651	753	2,362	1,020	7,740	1,609	795	23,930				

Includes participants who may have previously had a frozen benefit and retired from a different plan.



<sup>&</sup>lt;sup>2</sup> Includes benefits that were terminated or suspended.

	Table A-2 Reconciliation of Member Data City General											
	A	<u>Terminated</u>	<u>Terminated</u>	D: 11 1	D / 1	D 6	DDOD	T				
	<u>Active</u>	<u>Vested</u>	Non-Vested	<b>Disabled</b>	<u>Retired</u>	<b>Beneficiaries</b>	<u>DROP</u>	<u>Totals</u>				
Participants as of 7/1/2022	3,423	622	1,527	364	5,148	811	570	12,465				
New Entrants	4,035	5	0	0	0	0	0	4,040				
Returned to Work	27	(20)	(7)	0	0	0	0	0				
Vested Terminations	(58)	58	0	0	0	0	0	0				
Non-Vested Terminations	(254)	0	254	0	0	0	0	0				
Retirements	(54)	(53)	(11)	0	260	0	(142)	0				
DROP	(79)	0	0	0	0	0	79	0				
Disabilities	0	(1)	(1)	4	(2)	0	0	0				
New Continuants	0	0	0	0	0	77	0	77				
New Dissolutions 1	0	0	0	0	5	0	6	11				
Deceased	(6)	(3)	(9)	(17)	(122)	(39)	(4)	(200)				
Benefits Ceased <sup>2</sup>	(3)	(1)	0	0	(5)	(4)	0	(13)				
Lump Sum Cashout	(29)	(5)	(39)	0	0	0	0	(73)				
Transfers In/Out	38	0	1	0	0	0	0	39				
Miscellaneous Adjustments	0	1	0	0	0	0	0	1				
Participants as of 7/1/2023	7,040	603	1,715	351	5,284	845	509	16,347				

Includes participants who may have previously had a frozen benefit and retired from a different plan.



<sup>&</sup>lt;sup>2</sup> Includes benefits that were terminated or suspended.

Table A-3 Reconciliation of Member Data City Safety											
	Active	Terminated Vested	Terminated Non-Vested	Disabled	Retired	Beneficiaries	DROP	Totals			
Participants as of 7/1/2022	2,132	138	648	689	2,388	745	314	7,054			
New Entrants	678	136	040	009	2,366	743	0	678			
		(2)	(0)	0	0	0	0	0/8			
Returned to Work	11	(3)	(8)	0	0	0	0	0			
Vested Terminations	(25)	27	(2)	0	0	0	0	0			
Non-Vested Terminations	(87)	0	87	0	0	0	0	0			
Retirements	(13)	(8)	(3)	0	100	0	(76)	0			
DROP	(50)	0	0	0	0	0	50	0			
Disabilities	0	(1)	(2)	3	0	0	0	0			
New Continuants	0	0	0	0	0	54	0	54			
New Dissolutions <sup>1</sup>	0	0	0	0	2	0	0	2			
Deceased	(4)	0	(4)	(23)	(36)	(33)	(2)	(102)			
Benefits Ceased <sup>2</sup>	0	0	0	0	0	(1)	0	(1)			
Lump Sum Cashout	(31)	(3)	(37)	0	0	0	0	(71)			
Transfers In/Out	0	0	(32)	0	0	0	0	(32)			
Miscellaneous Adjustments	0	0	0	0	2	(1)	0	1			
Participants as of 7/1/2023	2,611	150	647	669	2,456	764	286	7,583			

<sup>&</sup>lt;sup>1</sup> Includes participants who may have previously had a frozen benefit and retired from a different plan.



Includes benefits that were terminated or suspended.

	Table A-4				
		<b>D</b>			
SDCERS					
Activo	e Member				
	$\underline{\mathbf{J}_1}$	une 30, 2023		June 30, 2022	% Change
<u>Total</u>					
Count		9,651		5,555	73.7%
Average Current Age		42.5		44.4	-4.2%
Average Service		9.4		13.3	-28.9%
Average Pensionable Earnings	\$	98,045	\$	94,689	3.5%
Annual Pensionable Earnings	\$	946,234,198	\$	525,994,656	79.9%
Average Valuation Compensation <sup>1</sup>	\$	98,045	\$	94,689	3.5%
Annual Valuation Compensation <sup>1</sup>	\$	946,234,198	\$	525,994,656	79.9%
Average Service Without Purchased Service		7.7		12.9	-40.3%
Members with Paid Purchased Service		3,619		616	487.5%
Members with Any Purchased Service		3,624		624	480.8%
Years of Paid Purchased Service		16,596		1,951	750.6%
Years of Total Purchased Service		16,631		2,011	727.1%
<u>General</u>					
Count		7,040		3,423	105.7%
Average Current Age		44.2		47.9	-7.7%
Average Service		9.3		14.7	-36.7%
Average Pensionable Earnings	\$	90,413	\$	81,753	10.6%
Annual Pensionable Earnings	\$	636,510,018	\$	279,841,261	127.5%
Average Valuation Compensation <sup>1</sup>	\$	90,413	\$	81,753	10.6%
Annual Valuation Compensation <sup>1</sup>	\$	636,510,018	\$	279,841,261	127.5%
Average Service Without Purchased Service		7.3		14.3	-49.0%
Members with Paid Purchased Service		3,040		423	618.7%
Members with Any Purchased Service		3,041		426	613.8%
Years of Paid Purchased Service		13,884		1,388	900.0%
Years of Total Purchased Service		13,889		1,407	886.9%
		,		-,,	
<u>Safety</u>					
Count		2,611		2,132	22.5%
Average Current Age		37.9		38.7	-2.1%
Average Service		9.9		11.0	-10.0%
Average Pensionable Earnings	\$	118,623	\$	115,457	2.7%
Annual Pensionable Earnings	\$	309,724,180	\$	246,153,394	25.8%
Average Valuation Compensation <sup>1</sup>	\$	118,623	\$	115,457	2.7%
Annual Valuation Compensation <sup>1</sup>	\$	309,724,180	\$	246,153,394	25.8%
Average Service Without Purchased Service	Ψ	8.9	Ψ	10.7	-16.8%
Members with Paid Purchased Service		579		193	200.0%
Members with Any Purchased Service		583		198	194.4%
Years of Paid Purchased Service		2,713		563	382.1%
Years of Total Purchased Service		2,742		603	354.5%
1 tall of 1 tall 1 dividable belief		2,172		003	JJT.J/0

The definition of valuation compensation differs from the definition of pensionable earnings due to IRS 401(a)(17).



		Tabl				
		SDCERS - Cit		_		
		Non-Active Pa	rticipant Da	ita		
		Count			Average Age	
	June 30, 2023	June 30, 2022	%Change	<u>June 30, 2023</u>	June 30, 2022	%Change
<u>Total</u>						
Retired <sup>1</sup>	8,535	8,420	1.4%	68.3	67.9	0.6%
Disabled	1,020	1,053	-3.1%	70.1	69.6	0.6%
Beneficiaries	1,609	1,556	3.4%	73.3	73.3	0.0%
Payee Total	11,164	11,029	1.2%	69.2	68.8	0.5%
DROP Participants	795	884	-10.1%	58.7	58.4	0.4%
Terminated <sup>2</sup>	3,115	2,935	6.1%	48.6	48.9	-0.8%
Non-Vested < 10 (4) yrs svc	2,362	2,175	8.6%			
<u>General</u>						
Retired <sup>1</sup>	5,793	5,718	1.3%	69.5	69.1	0.6%
Disabled	351	364	-3.6%	68.6	68.3	0.4%
Beneficiaries	845	811	4.2%	74.5	74.6	-0.1%
Payee Total	6,989	6,893	1.4%	70.0	69.7	0.4%
DROP Participants	509	570	-10.7%	60.4	60.1	0.5%
Terminated <sup>2</sup>	2,318	2,149	7.9%	50.8	51.6	-1.6%
Non-Vested < 10 (4) yrs svc	1,715	1,527	12.3%			
<u>Safety</u>						
Retired <sup>1</sup>	2,742	2,702	1.5%	65.9	65.4	0.8%
Disabled	669	689	-2.9%	70.8	70.4	0.6%
Beneficiaries	764	745	2.6%	72.0	71.8	0.3%
Payee Total	4,175	4,136	0.9%	67.8	67.4	0.6%
DROP Participants	286	314	-8.9%	55.7	55.3	0.7%
Terminated <sup>2</sup>	797	786	1.4%	42.1	41.5	1.4%
Non-Vested < 10 yrs svc	647	648	-0.2%			



<sup>&</sup>lt;sup>1</sup> Includes DROP Participants.
<sup>2</sup> Includes all Participants having a contribution balance still on account with SDCERS.
<sup>3</sup> Four years of service for Elected Officials.

				Tab	le A-6					
			S	DCERS - Ci	ty of San D	Diego				
			N	on-Active Pa	articipant ]	Data				
					-					
				nnual Benefit				_	annual Benefi	
m	J	une 30, 2023	<u>J</u>	une 30, 2022	%Change	<u>Jur</u>	<u>ne 30, 2023</u>	Ju	ne 30, 2022	<u>%Change</u>
<u>Total</u>										
Retired <sup>1</sup>	\$	531,264,367	\$	512,498,608	3.7%	\$	62,245	\$	60,867	2.3%
Disabled		42,328,131		42,888,771	-1.3%		41,498		40,730	1.9%
Beneficiaries		42,987,227	_	40,375,066	6.5%		26,717		25,948	3.0%
Payee Total	\$	616,579,724	\$	595,762,445	3.5%	\$	55,229	\$	54,018	2.2%
DROP Participants	\$	57,170,956	\$	59,835,438	-4.5%	\$	71,913	\$	67,687	6.2%
Terminated <sup>2</sup>	\$	225,744,371	\$	209,344,058	7.8%	\$	72,470	\$	71,327	1.6%
<u>General</u>										
Retired <sup>1</sup>	\$	292,216,655	\$	282,300,392	3.5%	\$	50,443	\$	49,370	2.2%
Disabled		8,565,362		8,636,834	-0.8%		24,403		23,728	2.8%
Beneficiaries		18,416,632		17,179,518	7.2%		21,795		21,183	2.9%
Payee Total	\$	319,198,649	\$	308,116,745	3.6%	\$	45,672	\$	44,700	2.2%
DROP Participants	\$	25,646,139	\$	27,224,919	-5.8%	\$	50,385	\$	47,763	5.5%
Terminated <sup>2</sup>	\$	164,981,665	\$	157,002,121	5.1%	\$	71,174	\$	73,058	-2.6%
<u>Safety</u>										
Retired <sup>1</sup>	\$	239,047,712	\$	230,198,217	3.8%	\$	87,180	\$	85,195	2.3%
Disabled		33,762,768		34,251,936	-1.4%	,	50,468		49,713	1.5%
Beneficiaries		24,570,595		23,195,548	5.9%		32,160		31,135	3.3%
Payee Total	\$	297,381,075	\$	287,645,700	3.4%	\$	71,229	\$	69,547	2.4%
DROP Participants	\$	31,524,817	\$	32,590,519	-3.3%	\$	110,227	\$	103,791	6.2%
Terminated <sup>2</sup>	\$	60,762,707	\$	52,341,938	16.1%	\$	76,239	\$	66,593	14.5%



Includes DROP Participants.
 Includes all Participants having a contribution balance still on account with SDCERS. Annual benefit for Terminated Participants is the total contribution balance on account as of the actuarial valuation date.

	Table A-7 SDCERS - City of San Diego Distribution of Active Members as of June 30, 2023 Total City										
					Years of Se	rvice					
Age	Under 1	1 to 4	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 and up	Total
Under 25	188	112	1	-	-	-	-	-	-	-	301
25 to 29	350	618	109	-	-	-	-	-	-	-	1,077
30 to 34	284	574	577	65	-	-	-	-	-	-	1,500
35 to 39	204	388	529	251	110	4	-	-	-	-	1,486
40 to 44	151	248	342	230	285	90	1	-	-	-	1,347
45 to 49	109	180	228	157	230	287	79	2	-	-	1,272
50 to 54	104	126	203	106	129	300	207	55	8	-	1,238
55 to 59	66	84	135	95	87	135	105	64	24	-	795
60 to 64	44	67	111	50	51	70	30	16	8	-	447
65 to 69	15	15	44	31	18	8	6	6	3	1	147
70 and up	9	4	13	7	7	1	-	-	-	-	41
Total Count	1,524	2,416	2,292	992	917	895	428	143	43	1	9,651

			ı	SDO Distribution of		of San Diego bers as of Ju					
					Average Sa Years of Se	•					
Age	Under 1	1 to 4	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 and up	Total
Under 25	\$ 56,149 \$	75,060 \$	102,356 \$	- \$	- \$	- \$	- \$	- \$	- \$	-	\$ 63,340
25 to 29	67,637	91,849	96,736	-	-	-	-	-	-	-	84,475
30 to 34	72,569	90,656	104,482	110,181	-	-	-	-	-	-	93,396
35 to 39	76,951	90,891	105,389	122,731	121,990	120,334	-	-	-	-	101,898
40 to 44	75,432	90,148	104,027	118,857	123,377	121,228	100,063	-	-	-	106,039
45 to 49	75,717	85,667	100,305	119,883	120,080	124,842	129,177	105,911	-	-	109,457
50 to 54	69,882	82,476	94,021	106,109	110,553	111,611	127,085	98,316	105,387	-	103,631
55 to 59	81,772	80,364	91,380	103,522	97,299	94,404	111,244	100,737	117,605	-	96,199
60 to 64	70,133	89,234	94,859	97,043	87,925	96,199	108,267	110,008	114,374	-	93,036
65 to 69	61,935	80,397	91,711	98,356	72,062	103,472	109,707	107,677	110,299	187,709	89,572
70 and up	73,222	61,903	69,832	77,557	91,942	82,205	-	-	-	-	75,198
Avg. Salary	\$ 70,550 \$	88,917 \$	101,233 \$	114,569 \$	114,887 \$	112,954 \$	121,959 \$	101,207 \$	114,221 \$	187,709	\$ 98,045



	Table A-9 SDCERS - City of San Diego Distribution of Active Members as of June 30, 2023 General											
					Years of Se							
Age	Under 1	1 to 4	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 and up	Total	
Under 25	139	68	1	-	-	-	-	-	-	-	208	
25 to 29	250	312	60	-	-	-	-	-	-	-	622	
30 to 34	234	346	361	37	-	-	-	-	-	-	978	
35 to 39	184	294	336	117	35	4	-	-	-	-	970	
40 to 44	139	217	267	132	125	48	1	-	-	-	929	
45 to 49	104	169	202	115	113	146	54	2	-	-	905	
50 to 54	104	123	195	89	92	222	151	51	8	-	1,035	
55 to 59	66	83	134	93	80	125	97	62	24	-	764	
60 to 64	44	67	110	49	51	67	30	16	8	-	442	
65 to 69	15	15	44	30	18	8	6	6	3	1	146	
70 and up	9	4	13	7	7	1	-	-	-	-	41	
Total Count	1,288	1,698	1,723	669	521	621	339	137	43	1	7,040	

					Table A	<b>\-10</b>					
				SDC	CERS - City	of San Diego					
			Dist	ribution of .	Active Mem	bers as of Ju	ine 30, 2023				
					Gener	al					
					Average	Salary					
					Years of	Service					
Age	Under 1	1 to 4	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 and up	Total
Under 25	\$ 49,977 \$	63,431 \$	102,356 \$	- \$	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 54,627
25 to 29	64,148	79,037	78,718	-	-	-	-	-	-	-	73,021
30 to 34	70,905	80,908	96,199	91,574	-	-	-	-	-	-	84,562
35 to 39	76,003	85,264	98,335	111,390	91,823	120,334	-	-	-	-	91,568
40 to 44	74,110	87,623	101,188	114,341	107,073	102,717	100,063	-	-	-	96,706
45 to 49	74,556	83,828	98,552	117,673	104,559	107,339	122,958	105,911	-	-	99,115
50 to 54	69,882	81,884	92,708	100,010	102,319	101,968	115,041	94,435	105,387	-	96,038
55 to 59	81,772	79,605	91,079	103,035	95,017	90,638	108,648	98,340	117,605	-	94,477
60 to 64	70,133	89,234	94,961	96,916	87,925	94,736	108,267	110,008	114,374	-	92,791
65 to 69	61,935	80,397	91,711	95,728	72,062	103,472	109,707	107,677	110,299	187,709	88,972
70 and up	73,222	61,903	69,832	77,557	91,942	82,205	-	-	-	-	75,198
Avg. Salary	\$ 69,063 \$	82,053 \$	95,874 \$	107,165	99,525	\$ 100,334	\$ 113,735	\$ 98,768	\$ 114,221	\$ 187,709	\$ 90,413



			Dist		Table A- ERS - City of Active Memb Safety	San Diego ers as of Jun	e 30, 2023				
Ago	Under 1	1 to 4	5 to 9	10 to 14	Years of Se 15 to 19	ervice 20 to 24	25 to 29	30 to 34	35 to 39	40 and up	Total
Age Under 25	49	44	3103	-	13 10 19	-	23 10 29	30 10 34	-	40 and up	93
25 to 29	100	306	49	-	-	-	-	-	-	-	455
30 to 34	50	228	216	28	-	-	-	-	-	-	522
35 to 39	20	94	193	134	75	-	-	-	-	-	516
40 to 44	12	31	75	98	160	42	-	-	-	-	418
45 to 49	5	11	26	42	117	141	25	-	-	-	367
50 to 54	-	3	8	17	37	78	56	4	-	-	203
55 to 59	-	1	1	2	7	10	8	2	-	-	31
60 to 64	-	-	1	1	-	3	-	-	-	-	5
65 to 69	-	-	-	1	-	-	-	-	-	-	1
70 and up	-	-	-	-	-	-	-	-	-	-	-
Total Count	236	718	569	323	396	274	89	6	-	-	2,611

										Table A-1	12						
	SDCERS - City of San Diego																
	Distribution of Active Members as of June 30, 2023																
										Safety							
										Average Sa	•						
		Years of Service															
Age		Under 1		1 to 4		5 to 9		10 to 14		15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 and up		Total
Under 25	\$	73,659	\$	93,033	\$	-	\$	-	\$	- \$	- \$	- \$	- \$	- \$	-	\$	82,825
25 to 29		76,359	1	104,912		118,798		-		-	-	-	-	-	-		100,132
30 to 34		80,360	1	105,450		118,326		134,769		-	-	-	-	-	-		109,947
35 to 39		85,670	1	108,491		117,668		132,633		136,067	-	-	-	-	-		121,316
40 to 44		90,747	1	107,824		114,135		124,940		136,115	142,384	-	-	-	-		126,780
45 to 49		99,880	1	113,919		113,927		125,936		135,071	142,965	142,612	-	-	-		134,961
50 to 54		-	1	106,752		126,023		138,042		131,027	139,057	159,559	147,788	-	-		142,345
55 to 59		-	1	143,402		131,626		126,152		123,385	141,484	142,718	175,072	-	-		138,637
60 to 64		-		-		83,695		103,237		-	128,873	-	-	-	-		114,710
65 to 69		-		-		-		177,213		-	-	-	-	-	-		177,213
70 and up		-		-		-		-		-	-	-	-	-	-		-
Avg. Salary	\$	78,665	\$ 1	105,149	\$	117,461	\$	129,905	\$	135,097 \$	141,555 \$	153,285 \$	156,883 \$	- \$	-	\$	118,623



# **APPENDIX A – MEMBERSHIP INFORMATION**

# Table A-13 SDCERS - City of San Diego

Retirees (Includes DROP Participants), Disabled, and Beneficiaries Tabulated by Attained Age/Benefit Effective Date

					Total (	City					
					Age	e					
Plan Year	Under 50	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to 79	80 to 84	85 to 89	90 and up	Total
pre-2004	1	16	50	114	171	449	887	523	296	185	2,692
2004	-	1	4	5	78	182	81	55	3	4	413
2005	3	8	3	7	107	175	54	17	5	3	382
2006	-	2	4	4	87	200	61	17	4	8	387
2007	1	4	4	8	92	179	58	14	6	8	374
2008	-	4	9	99	246	75	63	13	5	6	520
2009	1	4	5	109	167	41	35	10	4	6	382
2010	1	3	4	119	209	54	33	7	1	1	432
2011	2	1	5	124	224	58	31	8	3	2	458
2012	2	7	5	112	183	84	11	4	4	5	417
2013	4	2	95	176	77	83	24	12	7	9	489
2014	5	3	94	209	62	67	16	12	7	1	476
2015	3	6	103	227	94	40	19	8	7	3	510
2016	4	8	100	214	106	33	15	9	7	2	498
2017	3	6	72	212	72	26	9	10	8	4	422
2018	10	22	147	89	59	30	25	14	8	4	408
2019	8	65	219	99	83	35	16	16	8	2	551
2020	12	90	226	130	54	32	10	14	8	7	583
2021	7	65	153	100	44	26	13	15	9	3	435
2022	6	37	120	68	33	26	18	11	7	6	332
2023	-	-	-	-	-	1	-	-	1	1	3
Total	73	354	1,422	2,225	2,248	1,896	1,479	789	408	270	11,164

Average Age at Retirement/Disability55.9Average Current Age69.2Average Annual Pension\$ 55,229



# **APPENDIX A – MEMBERSHIP INFORMATION**

# Table A-14 SDCERS - City of San Diego

Retirees (Includes DROP Participants), Disabled, and Beneficiaries Tabulated by Attained Age/Benefit Effective Date

					Gener	ral					
					Age	•					
Plan Year	Under 50	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to 79	80 to 84	85 to 89	90 and up	Total
pre-2004	1	10	16	47	55	143	433	296	183	144	1,328
2004	-	1	1	3	5	128	71	50	3	4	266
2005	2	6	1	3	15	144	52	16	4	2	245
2006	-	1	3	2	10	173	53	14	3	6	265
2007	1	1	2	3	5	165	56	11	4	5	253
2008	-	1	4	12	160	66	61	10	1	4	319
2009	-	2	1	11	139	37	33	6	4	4	237
2010	1	-	1	21	182	50	28	5	-	1	289
2011	2	-	1	14	196	56	27	7	2	1	306
2012	-	3	4	14	165	77	9	3	3	2	280
2013	-	-	8	141	63	78	16	8	3	4	321
2014	3	1	9	167	52	64	11	9	5	1	322
2015	1	1	9	191	81	36	12	4	3	2	340
2016	1	3	13	179	95	28	8	5	5	2	339
2017	-	3	8	188	67	23	7	7	4	2	309
2018	5	5	107	75	51	26	15	11	5	1	301
2019	5	5	138	80	74	22	7	10	5	1	347
2020	6	17	160	113	47	23	7	9	4	4	390
2021	3	11	115	86	38	19	8	9	6	1	296
2022	3	4	97	59	28	18	11	6	3	5	234
2023	-	-	-	-	-	1	-	-	-	1	2

1,528

1,377

925

496

250

197

Average Age at Retirement/Disability58.0Average Current Age70.0Average Annual Pension\$ 45,672

75

698

1,409

34



Total

6,989

# **APPENDIX A – MEMBERSHIP INFORMATION**

# Table A-15 SDCERS - City of San Diego

Retirees (Includes DROP Participants), Disabled, and Beneficiaries Tabulated by Attained Age/Benefit Effective Date

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					Saice	J					
					Age						
Plan Year	Under 50	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to 79	80 to 84	85 to 89	90 and up	Total
pre-2004	-	6	34	67	116	306	454	227	113	41	1,364
2004	-	-	3	2	73	54	10	5	-	-	147
2005	1	2	2	4	92	31	2	1	1	1	137
2006	-	1	1	2	77	27	8	3	1	2	122
2007	-	3	2	5	87	14	2	3	2	3	121
2008	-	3	5	87	86	9	2	3	4	2	201
2009	1	2	4	98	28	4	2	4	-	2	145
2010	-	3	3	98	27	4	5	2	1	-	143
2011	-	1	4	110	28	2	4	1	1	1	152
2012	2	4	1	98	18	7	2	1	1	3	137
2013	4	2	87	35	14	5	8	4	4	5	168
2014	2	2	85	42	10	3	5	3	2	-	154
2015	2	5	94	36	13	4	7	4	4	1	170
2016	3	5	87	35	11	5	7	4	2	-	159
2017	3	3	64	24	5	3	2	3	4	2	113
2018	5	17	40	14	8	4	10	3	3	3	107
2019	3	60	81	19	9	13	9	6	3	1	204
2020	6	73	66	17	7	9	3	5	4	3	193
2021	4	54	38	14	6	7	5	6	3	2	139
2022	3	33	23	9	5	8	7	5	4	1	98
2023	-	-	-	-	-	-	-	-	1	-	1
Total	39	279	724	816	720	519	554	293	158	73	4,175

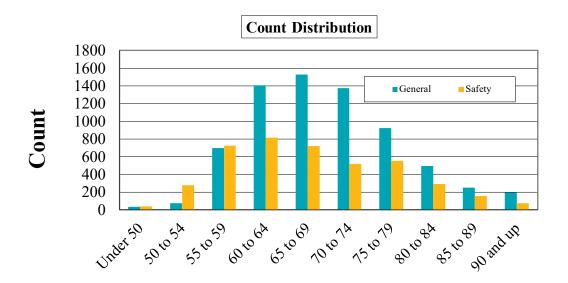
Average Age at Retirement/Disability52.5Average Current Age67.8Average Annual Pension\$ 71,229



#### **APPENDIX A – MEMBERSHIP INFORMATION**

# Table A-16 SDCERS - City of San Diego Distribution of Retirees (Includes DROP Participants), Disabled, and Beneficiaries as of June 30, 2023

	Count		
<u>Age</u>	<b>General</b>	<b>Safety</b>	<u>Total</u>
Under 50	34	39	73
50 to 54	75	279	354
55 to 59	698	724	1,422
60 to 64	1,409	816	2,225
65 to 69	1,528	720	2,248
70 to 74	1,377	519	1,896
75 to 79	925	554	1,479
80 to 84	496	293	789
85 to 89	250	158	408
90 and up	197	73	270
Total	6,989	4,175	11,164

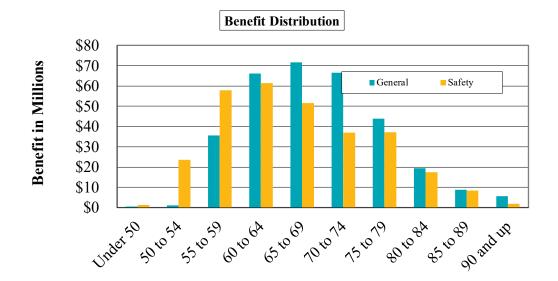




#### **APPENDIX A – MEMBERSHIP INFORMATION**

# Table A-17 SDCERS - City of San Diego Distribution of Retirees (Includes DROP Participants), Disabled, and Beneficiaries as of June 30, 2023

	Annual	Be	enefit	
<u>Age</u>	<u>General</u>		<b>Safety</b>	<u>Total</u>
Under 50	\$ 592,461	\$	1,253,848	\$ 1,846,309
50 to 54	1,084,293		23,634,481	24,718,774
55 to 59	35,628,073		57,759,297	93,387,370
60 to 64	66,073,671		61,472,479	127,546,150
65 to 69	71,639,371		51,568,946	123,208,317
70 to 74	66,471,661		36,998,094	103,469,754
75 to 79	43,822,600		37,071,624	80,894,223
80 to 84	19,357,113		17,424,217	36,781,330
85 to 89	8,874,769		8,334,661	17,209,430
90 and up	 5,654,638		1,863,429	7,518,066
Total	\$ 319,198,649	\$	297,381,075	\$ 616,579,724





#### APPENDIX A – MEMBERSHIP INFORMATION

# **Data Assumptions and Practices**

In preparing our data, we relied on information supplied by the SDCERS staff. This information includes, but is not limited to, plan provisions, employee data, and financial information. Terms in quotations below are column headings in the data provided by SDCERS. Our methodology for obtaining the data used for the valuation is based upon the following assumptions and practices:

- Benefit service for Actives and Inactives was calculated using "SDCERS Srv Credit." An
  adjusted date of hire is retroactively calculated from the valuation date based on benefit
  service. Purchased Service that has been paid for is already included in the "SDCERS Srv
  Credit" field. Purchased Service that has been contracted for, but not paid as of the valuation
  date, is assumed to be paid in full, and this service will be reflected in the projected benefit.
- Valuation Salary will be the maximum of "Current Fiscal Year Pensionable Salary" and an annualized last pay period "Pensionable Salary," carried forward with assumed salary increases. Historical salaries, "1 Yr Prior Fiscal Year Pensionable Salary," "2 Yr Prior Fiscal Year Pensionable Salary," and "4 Yr Prior Fiscal Year Pensionable Salary," are considered in the calculation of the projected benefit.
- Actives with "Employment Type" equal to "Half Time" or "3/4 Time" are assumed to accrue service based on employment type (i.e., ½ year, ¾ year) for each future plan year; therefore, Valuation Salary is adjusted to a full time equivalent.
- "Current Contrib Rate" was updated to reflect the new contribution rates for active employees. If the "Current Contrib Rate" was not provided, the prior year contribution for the member was used to update and reflect the new rate.
- For accounts having duplicate records in the Actives and Inactives by Social Security Number, the information from the latest payroll date is regarded as most up to date. The other record is treated as out of date and invalid.
- Records on the provided "Member" file are considered to be Active if they have no "Death Date," no "Separation Date," do not have a "Status" code of "Not Eligible" or "Non Contributing," do not have a retiree record, and they are reported with "Last Pay Period" = 26 or 27 and their "Last Pay To Date" was after January of the current FY.
- Records on the "Member" file are considered to be Inactive if they do not have a "Death Date," do not have a retiree record, and either have a "Separation Date" or a "Last Pay Period" earlier than January of the current FY. Inactive non-vested Members without an account balance are excluded from the valuation.



- For Inactives, the "Final Average Salary" as provided in the Member file was used for calculating projected benefits as applicable. If this field was missing a value, the "Highest Pensionable Salary" as provided in the supplemental file was used. If an amount was not available in either of these, the maximum of the annualized pay over the prior year and the last four fiscal years' pensionable salaries was used.
- We assume that any active member found in the inactive data last year has returned to work and should be valued as active.
- Records on the "Payee" file are considered in pay status if their benefit is not suspended.
- For duplicate records (based on SSN and Benefit Type) in the payee file, records having the same plan and same benefit type but different benefit amounts, we have added those benefit amounts together.
- Pension Benefit for retirees for each plan was calculated by summing "Monthly Pension," "Monthly Annuity," "COLA Annuity," "Surv Spouse Annuity," and "COLA Pension" and subtracting "DRO Reduction Amt." The "DRO Reduction Amt" field is mainly for Qualified Domestic Relations Order purposes. The "13<sup>th</sup> Check Supplement Amount" field is added as an annual benefit and the "Corbett Supplement" is annualized for new retirees. It is assumed the payment is annual for retirees already in pay status prior to this valuation.
- Members retiring since the prior valuation date and not having a "13<sup>th</sup> Check Supplement Amount" will have their projected "13<sup>th</sup> Check Supplement Amount" calculated assuming \$30 multiplied by the "13<sup>th</sup> Check Supplement Years," provided they are eligible based on "13<sup>th</sup> Check Supplement Years."
- Payees' "Taxable COLA" and "Taxable Star COLA" include COLA effective July 1, 2023.
- Members may retire and receive benefits from multiple Plans (e.g., a City Police Officer could have also worked for the Airport Authority); we will value each Member's blended benefit individually. This will result in the counts being slightly higher than actual counts due to people having more than one benefit payable from multiple plans.
- We assume any retiree found in last year's "Payee" file and not in this year's file has died without a beneficiary and should be removed from the valuation data.
- We assume all deceased retirees with payments continuing to a beneficiary have already been accounted for in the "Payee" file.
- We exclude any payee receiving \$0.00 from a blended benefit plan.
- The Final 415 Regulations were used to calculate the present value of Member benefits over the Internal Revenue Service Code 415 Benefit Limits.



#### APPENDIX B – ACTUARIAL ASSUMPTIONS AND METHODS

# A. Actuarial Assumptions

The SDCERS Board has the authority to select economic and demographic assumptions for the Plan. The assumptions used in this report reflect the results of an experience study performed by Cheiron covering the period July 1, 2015 through June 30, 2022 and adopted by the SDCERS Board in September 2023. This study is incorporated by reference as the rationale for both economic and demographic assumptions.

#### 1. Investment Return

SDCERS' assets are assumed to earn 6.50% annually net of investment expenses.

#### 2. Price Inflation

Consumer Price Inflation 3.00%, compounded annually.

# 3. Wage Inflation

Wage Inflation 3.25%, compounded annually.

This wage inflation assumption is used for projecting the total annual payroll growth for amortization of the UAL.

# 4. Administrative Expense

Administrative expenses are assumed to be \$14,700,000 for FY 2025 (assuming payment at beginning of the year), increasing by price inflation of 3.00% annually.

#### 5. Interest Credited to Member Contributions

6.50%, compounded annually.

#### 6. Cost-of-Living Adjustment (COLA) Increase in Benefits

Assumed to be 2.0% per annum, compounded.

#### 7. COL Annuity Benefit

For both active and terminated vested Members, the actuarial liability for the COL annuity benefit is valued by adding one-sixth of accumulated member contribution accounts. For active Members, the normal cost of the COL annuity benefit is equal to one-sixth of the employee contribution rate.

Members under the Elected, Police 2012 No COL Plan, and Police Prop B Plan do not receive a COL annuity benefit.



#### APPENDIX B – ACTUARIAL ASSUMPTIONS AND METHODS

# 8. Salary Increase Rate

Salary is assumed to increase by the wage inflation assumption of 3.25% and an additional merit component. Salary inflation and merit increases are compounded rather than additive.

For Old Plans, salary freezes were assumed for FYs 2013 - 2018. There are no assumed salary freezes for the open plans.

City Safety Police: Additional 5.00% upon attaining 20 years of service.

The additional merit component:

	Table	B-1	
Years of Service at Valuation	<u>City</u>	City Safety	City Safety
<u>Date</u>	General	Non-Police	<b>Police</b>
0	7.00%	9.00%	10.00%
1	6.00%	7.00%	9.00%
2	5.00%	6.00%	7.00%
3	4.00%	4.00%	5.00%
4	3.00%	2.00%	3.00%
5	2.00%	1.25%	1.00%
6	2.00%	1.25%	1.00%
7	2.00%	1.25%	1.00%
8	2.00%	1.25%	1.00%
9	2.00%	1.25%	1.00%
10	1.50%	1.25%	1.00%
11	1.50%	1.25%	1.00%
12	1.50%	1.25%	1.00%
13	1.50%	1.25%	1.00%
14	1.50%	1.25%	1.00%
15+	1.00%	0.75%	0.75%



#### APPENDIX B – ACTUARIAL ASSUMPTIONS AND METHODS

#### 9. Rates of Termination

	Table B-2						
SDCER	S - City of S	an Diego					
Rates of Termination							
<u>Service</u>	<u>General</u>	<u>Safety</u>					
0	10.00%	14.00%					
1	9.50	11.00					
2	8.50	7.50					
3	7.50	6.25					
4	7.00	5.75					
5	6.50	5.25					
6	5.00	2.75					
7	5.00	2.50					
8	5.00	2.25					
9	4.50	2.00					
10	4.50	2.00					
11	4.50	2.00					
12	3.00	1.75					
13	3.00	1.75					
14	3.00	1.75					
15+	2.50	1.00					

20% of terminating employees, with 10+ years of service at termination (4+ years of service for Elected), are assumed to subsequently work for a reciprocal employer and receive 3.25% salary inflation increases per year.

No terminations are assumed once retirement eligible.

#### 10. Member Refunds

All, or part, of the employee contribution rate is subject to potential "offset" by the employer. That "offset" and the related accumulated interest are not to be refunded to employees at termination. However, such offsets are not directly reflected in either the employee contributions or related refund calculations.

100% of non-vested and 0% of vested deferred Members are assumed to elect a refund of Member contributions at termination.



#### APPENDIX B – ACTUARIAL ASSUMPTIONS AND METHODS

#### 11. Rates of Retirement

Rates of Retirement for City General and City Safety are shown in the table below. Retirement rates include both service retirements and entry into DROP.

			Table B-4					
	SDCERS - City of San Diego							
	Rates of Retirement by Age and Service							
	General -	Old Plan	General	Elected	Safety -	All Plans		
<u>Age</u>	Service < 20	Service 20+	2009 Plan	<b>Officials</b>	Service < 20	Service 20+		
50						45%		
51						30		
52						24		
53				15%		35		
54				1		35		
55		55%	3%	5	30%	35		
56		42	3	3	30	35		
57		32	3	4	30	35		
58		30	5	5	30	55		
59		28	5	6	30	55		
60		35	10	60	60	55		
61		35	15	25	60	55		
62	40%	35	20	37	60	55		
63	30	35	30	23	60	55		
64	22	30	40	34	60	55		
65	27	30	50	68	100	100		
66	27	30	50	69	100	100		
67	27	30	50	74	100	100		
68	27	30	50	80	100	100		
69	27	30	50	90	100	100		
70+	100	100	100	100	100	100		

For terminated vested members, we assume that retirement will occur provided they have at least 10 years of service on the later of attained age or:

General Members: Earlier of age 62 or age 55 and 20+ years of service.

General 2009 Members: Age 65.

Safety Members: Earlier of age 55 or age 50 and 20+ years of service.

For terminated vested City Elected Officials, we assume that retirement will occur provided they have at least four years of service on the later of attained age or the earlier of age 55 or age 53 and at least eight years of service.

If the inactive participant is not vested, the liability is the participant's contributions with interest.



#### APPENDIX B – ACTUARIAL ASSUMPTIONS AND METHODS

# 12. Rates of Disability

Table B-3 SDCERS - City of San Diego Rates of Disability at Selected Ages						
<u>Age</u>	<u>General</u>	<u>Safety</u>				
20	0.01%	0.15%				
25	0.02	0.15				
30	0.03	0.15				
35	0.04	0.15				
40	0.05	0.35				
45	0.08	0.35				
50	0.10	0.65				
55	0.20	0.65				
60	0.20					

75% of the General and Elected disabilities and 90% of the Safety disabilities are assumed to be industrial disability retirements. Non-industrial disability retirement is subject to a service requirement.

#### 13. Rates of Mortality for Active Lives

Mortality rates for General active members are based on the sex distinct 2010 SOA Public General Employees Amount-Weighted Mortality Table, without adjustment, with generational mortality improvements projected from 2010 using Projection Scale MP-2021.

Mortality rates for Safety active members are based on the sex distinct 2010 SOA Public Safety Employees Amount-Weighted Mortality Table, adjusted by 90% for males and no adjustment for females, with generational mortality improvements projected from 2010 using Projection Scale MP-2021.

25% of active member deaths are assumed to be industrial deaths for Safety Members and all active member deaths are assumed to be non-industrial deaths for other Members.



#### APPENDIX B – ACTUARIAL ASSUMPTIONS AND METHODS

# 14. Rates of Mortality for Retired Healthy Lives & Terminated Vested Members

Mortality rates for General healthy annuitants and beneficiaries are based on the sex distinct 2010 SOA Public General Healthy Retirees Amount-Weighted Mortality Table, without adjustment, with generational mortality improvements projected from 2010 using Projection Scale MP-2021.

Mortality rates for Safety healthy annuitants and beneficiaries are based on the sex distinct 2010 SOA Public Safety Healthy Retirees Amount-Weighted Mortality Table, adjusted by 90% for males and no adjustment for females, with generational mortality improvements projected from 2010 using Projection Scale MP-2021.

## 15. Rates of Mortality for Retired Disabled Lives

Mortality rates for General disabled annuitants are based on the sex distinct CalPERS Industrial Related Disability Retirees Mortality Table from the CalPERS December 2017 experience study, without adjustment, with generational mortality improvements projected from 2013 using Projection Scale MP-2021.

Mortality rates for Safety disabled annuitants are based on the sex distinct 2010 SOA Public Safety Disabled Retirees Amount-Weighted Mortality Table, without adjustment, with generational mortality improvements projected from 2010 using Projection Scale MP-2021.

#### 16. Family Composition

80% of men and 60% of women are assumed married at retirement.

Female members are assumed to be to one year younger than their male spouse. Male members are assumed to be three years older than their female spouse.

#### 17. Member Contributions for Spousal Continuance

All active Members contribute towards a 50% survivor continuance. However, Members who are unmarried at retirement may either be refunded that specific part of their contributions, or they may leave such contributions on account and receive an incremental benefit that is the actuarial equivalent of such contributions.



#### APPENDIX B – ACTUARIAL ASSUMPTIONS AND METHODS

#### 18. Deferred Member Benefit

The benefit was estimated based on information provided by SDCERS staff. The data used to value the estimated deferred benefit were date of birth, date of hire, date of termination, and last pay. Based on the data provided, service credit, highest average salary, and deferred retirement age were estimated. The estimates were used to compute the retirement benefit, upon which the liabilities are based. For those participants without sufficient data or service, accumulated participant contribution balances, with interest, were used as the actuarial liability.

#### 19. DROP Account Balances

For DROP participants still working, the liability for the account balances in the asset information received from SDCERS staff was adjusted to assume average commencement in  $2\frac{1}{2}$  years and an interest crediting rate of 2.5%. Thereafter, it was assumed the account balance would be converted to an annuity at an interest rate of 2.9% over an average period of 10 years. The 10-year period was selected to average among the available DROP payment elections, including a lump sum, life expectancy, and 20 years. The liability for pre-2006 DROP account balances still left on account was valued assuming they would be paid out at age 72, with an interest crediting rate of 2.5%. The liability for the remaining account balances was adjusted based on the DROP annuity rate in effect at the Member's benefit effective date.

These adjustments are applied to the DROP account balance values provided in the financial statements. The account balance liability is allocated to each individual Tier (e.g., General) based on the total amount of the DROP account balances for that Tier in the valuation data.

#### 20. Other

The contribution requirements and benefit values of a plan are calculated by applying actuarial assumptions to the benefit provisions and Member information furnished, using the actuarial funding methods described in this report.

Actual experience of SDCERS will not coincide exactly with assumed experiences, regardless of the choice of the assumptions, the skill of the actuary, or the precision of the many calculations made. Each valuation provides a complete recalculation of assumed future experience and takes into account all past differences between assumed and actual experience. The result is a continual series of adjustments to the computed contribution. From time to time, it becomes appropriate to modify one or more of the assumptions to reflect experience trends, but not random year-to-year fluctuations.



#### APPENDIX B – ACTUARIAL ASSUMPTIONS AND METHODS

# 21. Changes Since Last Valuation

The economic and demographic assumptions outlined in this section have been updated to reflect the changes adopted following the recent experience study. For a complete listing of all prior and current economic and demographic assumption changes, please refer to the Cheiron's presentation, 2023 Actuarial Experience Study, presented to the SDCERS Board on September 8, 2023.

Effective January 1, 2023, the DROP annuity rate used to convert DROP account balances to an annuity increased from 2.1% to 2.9%, and the DROP interest crediting rate used to value the liability for account balances increased from 0.8% to 2.5%, to reflect the Board's adoption of these rates at the November 2022 meeting. The DROP interest rates adopted by the SDCERS Board in November 2023, which will be effective January 1, 2024, will be reflected in the next actuarial valuation.



# APPENDIX B – ACTUARIAL ASSUMPTIONS AND METHODS

# **B.** Contribution Allocation Procedure

The contribution allocation procedure primarily consists of an actuarial cost method, an asset smoothing method, and an amortization method as described below. This contribution allocation procedure, combined with reasonable assumptions, produces a Reasonable Actuarially Determined Contribution as defined in Actuarial Standard of Practice No. 4. The contribution allocation procedure was selected to balance benefit security, intergenerational equity, and the stability of actuarially determined contributions. The selection also considered the demographics of plan members, the funding goals and objectives of the Board, and the need to accumulate assets to make benefit payments when due.

#### 1. Actuarial Cost Method

The Entry Age Normal funding method was used for active employees, whereby the normal cost rate is computed as the average level annual percent of pay required to fund the retirement benefits for all Members between their dates of hire and assumed dates of retirement. The EAN actuarial liability is the difference between the Plan's total present value of future benefits and the present value of future normal costs, calculated for each sub-group (e.g., General). The unfunded actuarial liability is the difference between the actuarial liability and the actuarial value of assets and is allocated to each sub-group based on its liability.

#### 2. Amortization Method

The unfunded actuarial liability is amortized by annual payments. The UAL payments are determined as a level percentage of pay, assuming payroll increases of 3.25% per year. The UAL is amortized over various closed periods. The UAL as of June 30, 2007 is amortized over 20 years. Subsequent gains and losses are amortized over 15 years. Changes in assumptions and methods were being amortized over 30 years and are being amortized over 20 years as of June 30, 2019. Changes in benefits are amortized over five years. The non-Police portion of the UAL as of June 30, 2012, is amortized over 15 years. Funding surplus, if any, is amortized over 30 years.

Effective with the June 30, 2017 valuation, the remaining balances of the 2009 experience loss and 2012 non-Police UAL were re-amortized using a 5-year layering approach, in which one-fifth of the remaining balance continues to be amortized over the same period, while each additional one-fifth is amortized over an additional year. For details, see Table V-2.

In January 2019, the Board adopted a UAL contribution floor amortization method, setting a minimum of \$275,495,017 on the UAL payment until the Plan achieves a 100% funding ratio. This UAL payment floor was based on the Fiscal Year 2020 amortization payment as determined by the results of the June 30, 2018 actuarial valuation.

Finally, if necessary, there is an additional UAL cost component to ensure that there is no negative amortization in any year.



#### APPENDIX B – ACTUARIAL ASSUMPTIONS AND METHODS

Expected administrative expenses are included in the actuarially determined contribution (ADC). The administrative expense component is \$14,700,000 for FY 2025 (assuming payment at the beginning of the year). This amount is assumed to increase by the price inflation assumption of 3.00% annually.

#### 3. Asset Valuation Method

For the purposes of determining the City of San Diego's actuarially determined contribution to SDCERS, we use a smoothed actuarial value of assets. The asset smoothing method dampens the volatility in asset values that could occur because of the fluctuations in market conditions. Use of an asset smoothing method is consistent with the long-term nature of the actuarial valuation process. Assets are assumed to be used exclusively for the provision of retirement benefits and expenses.

The actuarial value of assets each year is equal to 100% of the expected actuarial value of assets plus 25% of the difference between the current market value of assets and the expected actuarial value of assets. The expected actuarial value of assets is equal to the prior year's actuarial value of assets increased with actual contributions made, decreased with actual disbursements made, all items (prior assets, contributions, and disbursements) further adjusted with expected investment returns for the year. In no event will the actuarial value of assets ever be less than 80% of the market value of assets nor greater than 120% of the market value of assets.

# 4. Changes Since Last Valuation

Effective with the June 30, 2023 valuation, the UAL payments for all bases are determined as a level percentage of pay, assuming payroll increases of 3.25% per year. Previously, for the non-Police portion of the Plan, the UAL payments were determined as level dollar amounts and for the Police portion of the Plan, the payments were determined as a level percentage of pay.

# C. ASOP 56 – Modeling

Cheiron utilizes ProVal actuarial valuation software leased from Winklevoss Technologies (WinTech) to calculate liabilities and project benefit payments. We have relied on WinTech as the developer of ProVal. We have a basic understanding of ProVal and have used ProVal in accordance with its original intended purpose. We have not identified any material inconsistencies in assumptions or output of ProVal that would affect this valuation.

Deterministic projections in this valuation report were developed using P-Scan, a proprietary tool used to illustrate the impact of changes in assumptions, methods, plan provisions, or actual experience (particularly investment experience) on the future financial status of the Plan. P-Scan uses standard roll-forward techniques that implicitly assume a stable active population. Because P-Scan does not automatically capture how changes in one variable affect all other variables, some scenarios may not be consistent.



#### APPENDIX C – SUMMARY OF PLAN PROVISIONS

### 1. Membership Requirement

Membership is mandatory from the first day of employment with the City, for all full, three-quarter, and half-time classified employees initially hired before July 20, 2012 and for any unclassified employees initially hired on or after August 11, 1993 and before July 20, 2012 (§24.0104).\*

Membership is mandatory from the first day of employment for Police Recruits hired between July 1, 1991 and June 30, 2016, and for all sworn Police Officers initially hired on or after July 1, 1991 (City Charter §140).

# 2. Monthly Compensation Base for Benefits

General and Safety Old Plan Members:

Highest consecutive 12-month average in any qualified employment with a California governmental jurisdiction (§24.0103), subject to a 10% increase for those who joined the system before July 1, 2002, if the General or Safety Member elects such increase in lieu of an increased benefit formula (§24.0402 and §24.0403).

#### General-2009 Plan Members:

Average of highest three years in any qualified employment with a California governmental jurisdiction (§24.0103).

#### Police-2009 Plan Members:

Highest consecutive 12-month average in any qualified employment with a California governmental jurisdiction (§24.0103).

Lifeguard-2011 Plan, Fire-2012 Plan, Police-2012 Plan, Police-2012 No COL Plan, and Police-Prop B Plan Members:

Average of highest three years in any qualified employment with a California governmental jurisdiction (§24.0103).

#### Elected Officers:

Final year of compensation (§24.1705).

<sup>\*</sup> All "§" references are to the City of San Diego Municipal Code.



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#### **APPENDIX C – SUMMARY OF PLAN PROVISIONS**

#### 3. Service Retirement

#### **Eligibility**

General Members:

Age 62 with 10 years of service, or age 55 with 20 years of service (§141 of City Charter).

*Safety Members (includes Fire, Lifeguard, and Police):* 

Age 55 with 10 years of service, or age 50 with 20 years of service (§141 of City Charter).

# Elected Officers:

Age 55 with 4 years of service. Eligible to retire at any age with 8 years of service, however, benefit is reduced by 2% per year for each year under age 55 (§24.1704).

#### **Benefit**

The basic formula used to calculate monthly retirement allowances for all membership categories is Retirement Factor X Final Average Compensation X Years of Service Credit.

#### General Members:

For General-Old Plan Members hired before July 1, 2022, choice of factors in place on June 30, 2000 (Option 1) with a 10% increase to the Member's Final Average Compensation, or factors effective as of July 1, 2000 (Option 2), or factors in effect as of July 1, 2002 (Option 3). For General-Old Plan Members hired on or after July 1, 2022 but before July 1, 2009, factors in effect as of July 1, 2022 (Option 3). Factors for General-Old Plan Members shown in Table C-1.

For General-2009 Plan Members, factors shown in Table C-1 (§24.0402.1).

There is an additional amount equal to the annuitized Member COL Annuity contributions at retirement date.



#### **APPENDIX C – SUMMARY OF PLAN PROVISIONS**

#### **General Member Service Retirement Accrual Factors**

Table C-1 SDCERS - City of San Diego General Member Service Retirement Accrual Factors					
Retirement	Hired Before July 1, 2009			Hired on or After	
<u>Age</u>	Option 1	Option 2	Option 3	<u>July 1, 2009</u>	
55	2.00%	2.25%	2.50%	1.00%	
56	2.00%	2.25%	2.50%	1.25%	
57	2.00%	2.25%	2.50%	1.65%	
58	2.00%	2.25%	2.50%	1.758%	
59	2.08%	2.25%	2.50%	1.874%	
60	2.16%	2.30%	2.55%	2.00%	
61	2.24%	2.35%	2.60%	2.12%	
62	2.31%	2.40%	2.65%	2.24%	
63	2.39%	2.45%	2.70%	2.36%	
64	2.47%	2.50%	2.75%	2.46%	
65 and up	2.55%	2.55%	2.80%	2.60%	

# Elected Officers:

The retirement factor for Elected Officers is 3.5% (§24.1705). A 2% annual reduction factor applies to benefits for Members retiring prior to age 55 (§24.1704).

#### Safety Members:

For all Safety-Old Plan Members, choice of factors in place on June 30, 2000 (Option 1), or factors effective as of July 1, 2000 (Option 2) (§24.0403).

For Police-2009 Plan, Lifeguard-2011 Plan, Fire-2012 Plan, Police-2012 Plan, Police-2012 No COL Plan, and Police-Prop B Plan Members, formula shown in Table C-2 (§24.0403).

There is an additional amount equal to the annuitized Member COL Annuity contributions at retirement date, with the exception of Police-2012 No COL Plan and Police-Prop B Plan Members.



#### **APPENDIX C – SUMMARY OF PLAN PROVISIONS**

**Safety Member Service Retirement Accrual Factors** 

Table C-2 SDCERS - City of San Diego Safety Member Service Retirement Accrual Factors				
Police Hired Before July 1, 2009 Lifeguard Hired Before July 1, 2011 Fire Hired Before January 1, 2012				Police-2009 Lifeguard-2011 Fire-2012
Retirement	Police & Fire	Lifeguard	Safety	Police-2012
<b>Age</b>	Option 1	Option 1	Option 2	Police Prop B
50	2.50%	2.20%	3.00%	2.50%
51	2.60%	2.32%	3.00%	2.60%
52	2.70%	2.44%	3.00%	2.70%
53	2.80%	2.57%	3.00%	2.80%
54	2.90%	2.72%	3.00%	2.90%
55 and up	2.99%	2.77%	3.00%	3.00%

For vested Members who terminate City employment, different retirement accrual factors may apply depending on which options were available at the time of termination.

For Members of the General-2009 Plan who terminate City employment, the accrual factors are those shown in Tables C-1. For Members of the Police-2009 Plan, Lifeguard-2011 Plan, Fire-2012 Plan, Police-2012 Plan, Police-2012 No COL Plan, and Police-Prop B Plan who terminate City employment, the accrual factors are those shown in Table C-2. For General-Old Plan and Safety-Old Plan Members, the accrual factors are as shown in Tables C-3 and C-4:

# **GENERAL**:

Table C-3 SDCERS - City of San Diego			
For Vested Members who terminated-	the accrual factors are		
Prior to January 1, 1997	See Table C-5		
January 1, 1997 - June 30, 2000	Option 1 without 10% increase in Final Average Compensation		
July 1, 2000 - June 30, 2002	Option 1 with 10% increase in Final Average Compensation; or Option 2		
July 1, 2002 - Present	Option 3; or Current Accrual Factors		



#### APPENDIX C – SUMMARY OF PLAN PROVISIONS

#### SAFETY:

# Table C-4 SDCERS - City of San Diego

For Vested Members who terminated— -the accrual factors are-

Prior to January 1, 1997 See Table C-5

January 1, 1997 - June 30, 2000 Option 1 without 10% increase in Final

Average Compensation

July 1, 2000 - Present Option 1 with 10% increase in Final

Average Compensation; or Option 2;

or Current Accrual Factors

# Table C-5 SDCERS - City of San Diego Pre-1997 Member Service Retirement Accrual Factors

	General	Safety		
<u>Age</u>		<b>Police</b>	<u>Fire</u>	Lifeguard
50		2.50%	2.20%	2.00%
51		2.54%	2.32%	2.10%
52		2.58%	2.44%	2.22%
53		2.62%	2.57%	2.34%
54		2.66%	2.72%	2.47%
55	1.48%	2.70%	2.77%	2.62%
56	1.55%	2.77%	2.77%	2.62%
57	1.63%	2.77%	2.77%	2.62%
58	1.72%	2.77%	2.77%	2.62%
59	1.81%	2.77%	2.77%	2.62%
60	1.92%	2.77%	2.77%	2.62%
61	1.99%	2.77%	2.77%	2.62%
62	2.09%	2.77%	2.77%	2.62%
63	2.20%	2.77%	2.77%	2.62%
64	2.31%	2.77%	2.77%	2.62%
65 and up	2.43%	2.77%	2.77%	2.62%



#### APPENDIX C – SUMMARY OF PLAN PROVISIONS

### **Maximum Benefit**

General-Old Plan Members: 90% of Final Average compensation if Option 3 is chosen, otherwise an exception to the 90% cap applies.

General-2009 Plan Members: 80% of Final Average compensation.

Safety-Old Plan Members: 90% of Final Average Compensation.

Police-2009 Plan, Lifeguard-2011 Plan, Fire-2012 Plan, Police-2012 Plan and Police-2012 No COL Plan Members: 90% of Final Average compensation.

Police-Prop B Plan Members: 80% of Final Average compensation, with 3% reduction for each year if retiring earlier than age 55.

Elected Officers: 2% reduction for each year if retiring earlier than age 55.

# **Unmodified Form of Payment**

Monthly payments continued for the life of the Member, with 50% continuance to the eligible spouse upon Member's death. If there is no eligible spouse at the time of retirement, the Member may receive either a lump sum payment equal to the accumulated surviving spouse contributions or an actuarially equivalent annuity (§24.0601).

**Note:** City Non-Safety employees withdrew from Social Security effective January 1, 1982. We assume that all future benefits for active Members will be determined on a non-integrated basis. City Safety employees did not participate in Social Security at any time.

**Note:** Effective July 1, 1991, service credit earned under the 1981 Pension System will be considered equivalent to SDCERS service for the purpose of benefit calculations (i.e., the above formulas will apply to 1981 Pension System service) (§24.1102, 24.0210, 24.0310).

# 4. Non-Industrial Disability

#### **Eligibility**

10 years of service (Charter §141).

#### **Benefit**

General Members:

Greater of 1.5% per year of service, one-third of final compensation, or the earned service retirement benefit (§24.0502, §24.0505).

Safety Members:

Greater of 1.8% per year of service, one-third of final compensation, or the earned service retirement benefit (§24.0502, §24.0504).

Elected Officers:

Earned service retirement benefit (§24.1706).



#### **APPENDIX C – SUMMARY OF PLAN PROVISIONS**

# 5. Industrial Disability

# **Eligibility**

No age or service requirement (§24.0501).

#### **Benefit**

#### General Members:

Greater of one-half of final compensation, or the earned service retirement benefit if eligible. (§24.0502, §24.0505).

#### Safety Members:

Greater of one-half of final compensation, or the earned service retirement benefit if eligible. (§24.0502, §24.0503).

# Elected Officers:

Earned service retirement benefit (§24.1706).

# 6. Non-Industrial Death Before Eligible to Retire

Refund of employee contributions with interest, plus one month's salary for each completed year of service, to a maximum of six months' salary (§24.0702).

# 7. Non-Industrial Death After Eligible to Retire for Service

50% of earned benefit payable to surviving eligible spouse, domestic partner, or dependent child under 18 years of age (§24.0704).

#### 8. Industrial Death

50% of the final average compensation preceding death, payable to eligible spouse, domestic partner, or dependent child under 18 years of age (§24.0705).



#### APPENDIX C – SUMMARY OF PLAN PROVISIONS

#### 9. Death After Retirement

Continuance to surviving beneficiary depending on benefit selection made at retirement (§24.0601).

\$2,000 payable in lump sum to the beneficiary or the estate of the retiree. (§24.0710).

# **10.** Withdrawal Benefits (§24.0206, §24.0306)

# **Pre-12/8/76 Hires**

If contributions left on deposit, entitled to earned benefits, commencing any time after eligible to retire.

# **Post-12/7/76 Hires**

Less than 10 years of service:

Refund of accumulated employee contributions with interest or may keep deposits in the System and earn additional interest and use service with a reciprocal system to establish eligibility for earned benefits upon concurrent retirement from reciprocal system (§24.0206, 24.0306, 24.1005).

10 or more years of service:

If contributions left on deposit, entitled to earned benefits commencing any time after eligible to retire (§24.0206, 24.0306).

# 11. Post-retirement Cost-of-Living Adjustment Benefit

General and Safety Members:

Based on changes in Consumer Price Index, to a maximum of 2% per year (§24.1505).

#### 12. COL Annuity

Actuarial equivalent of accumulated contributions in cost-of-living annuity account at time of retirement (§24.0103).



#### APPENDIX C – SUMMARY OF PLAN PROVISIONS

#### 13. Member Contributions

Member contribution rates vary by age at time of entrance into SDCERS (§24.0201, §24.0301), and were recalculated following the experience study in 2023 based on the most recent changes to the actuarial assumptions as listed in Appendix B of this report, in accordance with the requirement in San Diego City Charter Section 143 for "substantially equal" employer and employee contributions. Table C-6 and Table C-7 contain the contribution rates by Plan.

Table C-6 SDCERS - City of San Diego General Member Contribution Rates					
Entry Age	GENERAL Hired Before 07/01/2009	Hired On or <u>After 7/1/2009</u>	Entry Age	GENERAL Hired Before 07/01/2009	Hired On or <u>After 7/1/2009</u>
20	11.65%	7.38%	40	14.69	13.28
21	11.93	7.66	41	14.74	13.52
22	12.18	7.95	42	14.78	13.77
23	12.43	8.25	43	14.99	13.99
24	12.66	8.55	44	15.24	14.21
25	12.89	8.86	45	15.41	14.42
26	13.12	9.18	46	15.53	14.60
27	13.34	9.50	47	15.66	14.77
28	13.56	9.83	48	15.75	14.93
29	13.77	10.17	49	15.83	15.05
30	13.97	10.49	50	15.88	15.13
31	14.16	10.82	51	15.88	15.21
32	14.35	11.15	52	15.80	15.22
33	14.52	11.46	53	15.54	15.24
34	14.68	11.78	54	15.30	15.23
35	14.83	12.07	55	15.07	15.04
36	14.63	12.37	56	14.82	14.70
37	14.53	12.62	57	14.59	14.37
38	14.52	12.83	58	14.59	14.37
39	14.59	13.06	59	14.59	14.37



#### APPENDIX C – SUMMARY OF PLAN PROVISIONS

#### Table C-7 SDCERS - City of San Diego **Safety Member Contribution Rates** FIRE LIFEGUARD POLICE Hired On or After Hired On or After Hired On or After **Hired Before** Hired On or Hired Before Hired On or Hired Before 7/1/2009 and 1/1/2012 and 8/2/2012 and Hired On or 01/01/2012 After 1/1/2012 07/01/2011 After 7/1/2011 07/01/2009 After 7/1/2013 Entry Age Before 1/1/2012 and Before 8/2/2012 and Before 7/1/2013 12.34% 20 17.78% 16.54% 18.29% 16.54% 18.41% 16.94% 16.62% 14.24% 21 18.36 16.94 18.91 16.94 19.02 17.36 17.03 14.59 12.90 22 17.75 18.77 17.32 19.38 17.32 19.46 17.42 14.92 13.50 23 19.17 17.70 19.78 17.70 19.88 18.15 17.81 15.26 14.13 24 19.53 18.04 20.11 18.04 20.27 18.52 18.17 15.57 14.81 25 19.90 18.40 20.42 18.40 20.66 18.89 18.53 15.88 15.39 26 20.23 18.73 20.72 18.73 21.02 19.24 18.88 16.17 15.84 27 20.55 19.04 21.00 19.04 21.36 19.57 19.15 16.41 16.19 28 20.84 19.32 21.27 19.32 21.68 19.88 19.32 16.55 16.41 29 21.53 16.56 21.12 19.60 19.60 21.79 20.01 19.43 16.65 30 21.39 19.86 21.78 19.86 21.79 20.03 19.55 16.75 16.70 21.36 20.31 21.42 20.31 21.89 20.60 20.06 17.19 17.14 31 32 21.54 20.93 20.63 21.29 20.63 22.09 20.37 17.45 17.41 33 21.30 22.25 21.78 20.89 20.89 21.11 20.57 17.62 17.60 34 21.90 21.03 21.22 21.03 22.36 21.24 20.70 17.73 17.72 35 21.86 21.00 21.13 22.31 21.21 17.70 17.69 21.00 20.66 36 22.06 21.19 21.33 21.19 22.40 21.28 20.75 17.78 17.78 37 22.30 21.41 21.55 21.41 22.51 21.39 20.88 17.89 17.89 38 22.55 21.65 21.80 21.65 22.64 21.52 21.06 18.04 18.04 39 22.71 21.64 18.15 21.79 21.95 21.79 22.77 21.18 18.15 40 22.87 22.11 21.93 22.91 21.78 21.32 18.27 18.27 21.93 41 23.05 22.09 22.29 22.09 23.07 21.93 21.48 18.40 18.40 42 23.19 22.21 22.42 22.21 23.21 22.06 21.61 18.52 18.52 43 23.28 22.28 22.50 22.28 23.33 22.17 21.71 18.61 18.61 44 23.31 22.31 22.54 22.31 23.40 22.23 21.78 18.66 18.66 45 23.28 22.27 22.51 22.27 23.41 22.25 21.79 18.67 18.67 46 22.94 21.94 22.18 21.94 23.07 21.93 21.47 18.40 18.40 47 22.74 21.75 21.99 21.75 22.88 21.75 21.29 18.25 18.25 48 22.56 21.58 21.81 21.58 22.72 21.59 21.14 18.11 18.11 49 22.40 21.42 21.66 21.42 22.58 21.46 21.01 18.00 18.00



#### **APPENDIX C – SUMMARY OF PLAN PROVISIONS**

The employee contribution rates are the sum of four components, three of which are specified in the Municipal Code: a cost-of-living rate (§24.1506(a)), a surviving spouse rate (§24.0601), and, other than Police hired on or after August 2, 2012, a COL Annuity rate (§24.1506(b)). The fourth component is the "substantially equal" rate as defined in San Diego City Charter Section 143, which is 50% of the normal cost of accrued service retirement allowances, payable either immediately or deferred until a later age, when a member leaves employment via termination, disability, or service retirement. Since the cost-of-living rate funds the Member's portion of the post-retirement cost-of-living benefit, the surviving spouse rate funds the Member's portion of surviving spouse allowances, and the COL Annuity rate funds the COL Annuity, these benefits are not included in the calculation of the "substantially equal" rate.

All benefits not included in the components described above are paid for entirely by the City. Those benefits paid for entirely by the City include the refund of Member contributions for non-vested terminations, the portion of the disability allowance in excess of the earned service retirement (if any), the Annual Supplemental Benefit, the pre-retirement death benefit for non-vested Members, the pre-retirement industrial death benefit, and the post-retirement \$2,000 lump sum benefit.

The assumptions used to calculate the employee contribution rates are the same as reported in this June 30, 2023 actuarial valuation report, with the exception of fully generational mortality improvement and any sex distinct assumptions. For the purpose of calculating employee rates for the General membership tiers, mortality tables were blended 60/40 between male and female members and 40/60 for male and female beneficiaries. In addition, a static mortality improvement projection was used to approximate fully generational mortality improvements. A projection to 2050 using the mortality improvement scale described in Appendix B was used. For the purpose of calculating employee rates for the Safety membership tiers, mortality tables were blended 90/10 between male and female members and 10/90 for male and female beneficiaries. In addition, a static mortality improvement projection was used to approximate fully generational mortality improvements. A projection to 2051 using the mortality improvement scale described in Appendix B was used.

Elected Officers (General) contribute 9.05% of total salary, regardless of entry age (§24.1703).



#### APPENDIX C – SUMMARY OF PLAN PROVISIONS

#### 14. Internal Revenue Code Limitation

Benefits provided by SDCERS' Trust Fund are subject to the limitations set forth in Section 415 of the Internal Revenue Code in accordance with the "grandfather" election in Section 415(b)(10) of the Code (§24.1004).

As of the June 30, 2006 valuation, active participants' benefit payments were limited by Section 415 of the Internal Revenue Code. As of the June 30, 2007 valuation, all benefit payments were limited by Section 415 of the Internal Revenue Code.

# 15. Deferred Retirement Option Plan

Effective April 1, 1997, a deferred retirement option plan (DROP) was created and offered to Members as an alternative method of benefit accrual. Members eligible for service retirement are eligible to participate in DROP, but only those hired before July 1, 2005, may enter the program (§24.1402.1).

A participant in DROP may leave DROP at any time before the end of his or her designated DROP participation period by voluntarily leaving City employment (§24.1403). The maximum DROP participation period is 60 months, with certain exception for Firefighters (§24.1402).

A DROP participation account is a nominal account established with the Retirement System, which is credited with the following amounts (§24.1404):

- The Member's monthly service retirement allowance, credited monthly, calculated at the date of DROP entry and increased each year by a cost-of-living adjustment.
- The Member's Annual Supplemental Benefit, if applicable, credited annually.
- 3.05% of base compensation, payable by the City and credited bi-weekly.
- 3.05% of base compensation, payable by the Member and credited bi-weekly.
- Interest credited to the DROP account, at the rate determined by the Board.

When a Member leaves DROP and City employment, they begin to collect their monthly service retirement allowance, their Annual Supplemental Benefit (if applicable), and the amounts credited to their DROP participation account, payable as a single lump sum distribution, as a 240-month annuity with equal payments, or any other form approved by the Board and subject to applicable provisions of the Internal Revenue Code (§24.1407).

DROP is not intended to jeopardize the tax-qualified status of the retirement system under the rules and regulations of the Internal Revenue Service. Benefits provided under this division are subject to the limitations of Section 415 of the Internal Revenue Code relating to the amount of benefits that can be paid.



#### **APPENDIX C – SUMMARY OF PLAN PROVISIONS**

### 16. Blended Benefit with Participating Agencies

Members may retire and receive benefits from multiple Plans (e.g., a City Police Officer could have also worked for the Airport Authority).

# 17. Annual Supplemental Benefit (13th Check)

When the fund's investment earnings are sufficient to qualify in a given year, SDCERS will calculate and pay the Annual Supplemental Benefit, also known as the "13<sup>th</sup> Check" to all eligible retirees. Survivors of eligible retirees will receive a proportionate share of this benefit.

# 18. Changes since Last Valuation

Employee contribution rates were recalculated to reflect the new assumptions.

**Note:** The summary of major plan provisions is designed to outline principal plan benefits. If the SDCERS staff should find the plan summary not in accordance with the actual provisions, the actuary should immediately be alerted so the proper provisions are valued.



#### APPENDIX D – GLOSSARY OF TERMS

#### 1. Actuarial Liability

The Actuarial Liability is the difference between the present value of all future system benefits and the present value of total future normal costs. This is also referred to by some actuaries as the "accrued liability" or "actuarial accrued liability."

# 2. Actuarial Assumptions

Estimates of future experience with respect to rates of mortality, disability, turnover, retirement rate or rates of investment income and salary increases. Actuarial assumptions (rates of mortality, disability, turnover, and retirement) are generally based on past experience, often modified for projected changes in conditions. Economic assumptions (salary increases and investment income) consist of an underlying rate in an inflation-free environment plus a provision for a long-term average rate of inflation.

#### 3. Accrued Service

Service credited under the System which was rendered before the date of the actuarial valuation.

# 4. Actuarial Equivalent

A single amount or series of amounts of equal actuarial value to another single amount or series of amounts, computed on the basis of appropriate actuarial assumptions.

#### 5. Actuarial Cost Method

A mathematical budgeting procedure for allocating the dollar amount of the actuarial present value of a retirement system benefit between future normal cost and actuarial accrued liability. Sometimes referred to as the "actuarial funding method."

# 6. Actuarial Gain/(Loss)

The difference between actual experience and actuarial assumption anticipated experience during the period between two actuarial valuation dates.

#### 7. Actuarial Present Value

The amount of funds currently required to provide a payment or series of payments in the future. It is determined by discounting future payments at predetermined rates of interest, and by probabilities of payment.



#### APPENDIX D – GLOSSARY OF TERMS

# 8. Actuarially Determined Contribution (ADC)

Contribution determined each year based on the SDCERS Board's adopted funding policy. The term also exists in GASB 67 and 68 as a contribution determined by the actuary in accordance with Actuarial Standards of Practice, but no further guidance is provided.

#### 9. Amortization

Paying off an interest-discounted amount with periodic payments of interest and principal—as opposed to paying off with a lump sum payment.

#### 10. Normal Cost

The actuarial present value of retirement system benefits allocated to the current year by the actuarial funding method.

# 11. Unfunded Actuarial Liability (UAL)

The difference between actuarial liability and the actuarial value of assets.

Most retirement systems have unfunded actuarial liability. They arise each time new benefits are added and each time an actuarial loss is realized.

The existence of unfunded actuarial liability is not in itself bad, any more than a mortgage on a house is bad. Unfunded actuarial liability does not represent a debt that is payable today. What is important is the ability to amortize the unfunded actuarial accrued liability, and the trend in its amount (after due allowance for devaluation of the dollar).





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