

# Marin County Employees' Retirement Association

Actuarial Valuation Report as of June 30, 2018

**Produced by Cheiron** 

February 2019

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February 6, 2019

Board of Retirement Marin County Employees' Retirement Association 1 McInnis Parkway, Suite 100 San Rafael, CA 94903-2764

Dear Members of the Board:

At your request, we have conducted an actuarial valuation of the Marin County Employees' Retirement Association (MCERA, the Plan) as of June 30, 2018. The purpose of this report is to present the results of the annual actuarial valuation of MCERA, including information on the Plan's assets and liabilities and the development of employer and employee contribution rates for the fiscal year beginning July 1, 2019.

This report was prepared for MCERA for the purposes described herein and for the use by the plan auditor in completing an audit related to the matters herein. Other users of this report are not intended users as defined in the Actuarial Standards of Practice, and Cheiron assumes no duty or liability to such other users.

In preparing our report, we relied on information supplied by the MCERA staff. This information includes, but is not limited to, 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.

To the best of our knowledge, this report and its contents have been prepared in accordance with generally recognized and accepted actuarial principles and practices which are consistent with the Code of Professional Conduct and applicable Actuarial Standards of Practice set out by the Actuarial Standards Board. 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

Graham A. Schmidt, ASA, EA, FCA, MAAA

**Consulting Actuary** 

William R. Hallmark, ASA, EA, FCA, MAAA Consulting Actuary

William R. Hallank

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#### SECTION I – EXECUTIVE SUMMARY

The primary purpose of the actuarial valuation and this report is to measure, describe, and identify the following as of the valuation date:

- The funded status of the Plan.
- Past and expected trends in the funding progress of the Plan, and
- Employer and employee contribution rates for Plan Year 2019-2020.

The balance of this Executive Summary presents (A) the basis upon which this year's valuation was completed, (B) the key findings of this valuation including a summary of all key results, (C) an examination of the historical trends, and (D) the projected outlook for the Plan.

#### A. Valuation Basis

This valuation determines the employer contributions required for the employers' fiscal years beginning July 1, 2019. The employers are divided into three subgroups: the County of Marin and related Special Districts, the Novato Fire Protection District, and the City of San Rafael.

The Plan's funding policy is to collect contributions from the employers and employees equal to the sum of:

- The normal cost under the Entry Age Normal Cost Method,
- An amortization payment on the Unfunded Actuarial Liability (UAL), and
- The Plan's expected administrative expenses.

Effective with the June 30, 2013 valuation, the UAL as of June 30, 2013 is amortized over a closed 17-year period (12 years remaining as of June 30, 2018), except for the additional UAL attributable to the outstanding unfunded actuarial loss from 2009, which is being amortized over a separate closed period (currently 20 years).

Effective with the June 30, 2014 valuation, any new sources of UAL due to actuarial gains and losses or method changes are amortized over a closed 24-year period, with a five-year ramp up period at the beginning of the period, a four-year ramp down at the end of the period, and 15 years of payments as a level percentage of payroll between the ramping periods. This amortization method for gains and losses is similar to a 20-year amortization period with payments as a level percentage of payroll, in conjunction with traditional five-year asset smoothing.

Assumption changes are amortized over a closed 22-year period, with a three-year ramp up period, two-year ramp down period, and 17 years of payments as a level percentage of payroll.

This valuation was prepared based on the Plan provisions shown in Appendix C. There have been no changes in assumptions since the prior valuation.



#### **SECTION I – EXECUTIVE SUMMARY**

This valuation does not include any consideration of external liabilities (or related debt service payments) incurred by the Plan sponsors outside of MCERA, such as those related to pension obligation bonds.

#### **B.** Key Findings of this Valuation

Tables I-1 and I-2 summarize the key results of the valuation with respect to assets and liabilities for the Plan as a whole, contributions by the main valuation subgroups, and overall membership. The tables compare the results for the current plan year to the results for the prior plan year.

| Table I-1  Marin County Employees' Retirement Association  Summary of Key Valuation Results  (in millions) |     |             |    |             |  |  |  |  |
|--|-----|-------------|----|-------------|--|--|--|--|
| Valuation Date   | Jun | ne 30, 2017 | Ju | ne 30, 2018 |  |  |  |  |
| Actuarial Liability  | \$  | 2,722.6     | \$ | 2,847.3     |  |  |  |  |
| Market Value of Valuation Assets   |     | 2,298.9     |    | 2,480.9     |  |  |  |  |
| Unfunded Actuarial Liability   | \$  | 423.7       | \$ | 366.4       |  |  |  |  |
| Funded Ratio   |     | 84.4%       |    | 87.1%       |  |  |  |  |
| Net Employer Contribution Rate   |     |             |    |             |  |  |  |  |
| County of Marin  |     | 25.32%      |    | 23.48%      |  |  |  |  |
| Novato Fire Protection District  |     | 49.05%      |    | 45.40%      |  |  |  |  |
| City of San Rafael   |     | 61.76%      |    | 57.67%      |  |  |  |  |
| Total MCERA  |     | 31.12%      |    | 28.90%      |  |  |  |  |

| Table I-2<br>Membership Total                                   |                             |                             |              |  |  |  |  |  |  |  |
|---|-----------------------------|-----------------------------|--------------|--|--|--|--|--|--|--|
| Item  | June 30, 2017               | June 30, 2018               | % Change     |  |  |  |  |  |  |  |
| Actives   | 2,685                       | 2,732                       | 1.8%         |  |  |  |  |  |  |  |
| Current Inactives   | 680                         | 668                         | -1.8%        |  |  |  |  |  |  |  |
| Retired Members   | 3,141                       | 3,270                       | <u>4.1%</u>  |  |  |  |  |  |  |  |
| Total Members   | 6,506                       | 6,670                       | 2.5%         |  |  |  |  |  |  |  |
| Ratio of Retired Members to Active Members                      | 117.0%                      | 119.7%                      |              |  |  |  |  |  |  |  |
| Active Member Payroll (FYE 2018/2019)<br>Average Pay per Active | \$ 249,751,675<br>\$ 93,017 | \$ 263,107,566<br>\$ 96,306 | 5.3%<br>3.5% |  |  |  |  |  |  |  |



#### SECTION I – EXECUTIVE SUMMARY

The key results of the June 30, 2018 actuarial valuation are as follows:

- The actuarially determined employer contribution rate for the County decreased from 25.32% to 23.48% of payroll, Novato from 49.05% to 45.40%, and San Rafael from 61.76% to 57.67%.
- The Plan's funded ratio, the ratio of assets over Actuarial Liability, increased from 84.4% last year to 87.1% as of June 30, 2018.
- The Unfunded Actuarial Liability (UAL) is the excess of the Plan's Actuarial Liability over the Market Value of Assets. The UAL decreased from \$423.7 to \$366.4 million. This decrease in UAL was primarily due to higher than expected investment returns.
- During the year ending June 30, 2018, the return on Plan assets was 9.65% net of investment expenses, as compared to the prior year's assumption of 7.00%. Our calculation of this rate of return assumes that external cash flows (i.e., benefit payments, contributions, and administrative expenses) all occur on average mid-year. The use of this simplifying assumption may result in a return that is slightly different from that provided by the investment consultant.
- Overall Plan membership and the number of active members increased compared to last year. There were 245 new hires and rehires during 2017-2018 and the total active population increased from 2,685 to 2,732. The number of members in pay status and deferred status increased from 3,821 to 3,938. Total projected payroll increased from \$249.8 million to \$263.1 million.

#### **Assets and Liabilities**

Table I-3 on the following page presents the assets, liabilities, Unfunded Actuarial Liability, and funding ratios as of June 30, 2018 for each of the three main subgroups.



#### **SECTION I – EXECUTIVE SUMMARY**

| Table I-3 Assets & Liabilities (in millions) |    |         |    |        |    |            |  |  |  |  |
|--|----|---------|----|--------|----|------------|--|--|--|--|
| Item   |    | County  |    | Novato | 5  | San Rafael |  |  |  |  |
| Actuarial Liability                          |    |         |    |        |    |            |  |  |  |  |
| Actives                                      | \$ | 693.2   | \$ | 65.4   | \$ | 141.5      |  |  |  |  |
| Current Inactives                            |    | 77.3    |    | 3.3    |    | 19.2       |  |  |  |  |
| Retired Members                              |    | 1,297.6 |    | 126.4  |    | 423.4      |  |  |  |  |
| Total Actuarial Liability                    | \$ | 2,068.1 | \$ | 195.1  | \$ | 584.1      |  |  |  |  |
| Market Value Assets                          | \$ | 1,856.9 | \$ | 174.0  | \$ | 450.0      |  |  |  |  |
| Unfunded Actuarial Liability                 | \$ | 211.2   | \$ | 21.1   | \$ | 134.1      |  |  |  |  |
| Funded Ratio - Market Value                  |    | 89.8%   |    | 89.2%  |    | 77.0%      |  |  |  |  |
| Inactive-Only Funded Ratio                   |    | 66.5%   |    | 66.5%  |    | 75.8%      |  |  |  |  |

The Inactive-Only Funded Ratio shown in Table I-3 represents the percentage of the Actuarial Liability attributable to members who are not active employees. A funded ratio of 66.5% or more is required just to fund the liabilities of the inactive County members: those currently retired, disabled, terminated with vested benefits, and their beneficiaries. We note that the funded ratio for all three groups is now above the Inactive-Only Funded Ratio for the current valuation.



#### SECTION I – EXECUTIVE SUMMARY

#### **Changes in Employer Contributions**

Table I-4 summarizes the impact of actuarial experience and other changes on the employer contribution rate.

| Т  | Table I-4 |         |         |              |  |  |  |  |  |  |
|--|-----------|---------|---------|--------------|--|--|--|--|--|--|
| Employer Contribution Reconciliation               |           |         |         |              |  |  |  |  |  |  |
| Item   | Total     | County  | Novato  | San Rafael   |  |  |  |  |  |  |
| FYE 2019 Net Employer Contribution Rate            | 31.12%    | 25.32%  | 49.05%  | 61.76%       |  |  |  |  |  |  |
| Expected change in amortization from prior changes | (1.30%)   | (1.17%) | (2.58%) | (1.76%)      |  |  |  |  |  |  |
| Change due to asset gain                           | (0.36%)   | (0.34%) | (0.37%) | (0.50%)      |  |  |  |  |  |  |
| Change due to demographic (gains)/losses           | (0.16%)   | (0.10%) | (0.40%) | 0.03%        |  |  |  |  |  |  |
| Change due to PEPRA new hires                      | (0.18%)   | (0.11%) | (0.38%) | (0.60%)      |  |  |  |  |  |  |
| Change due to salaries                             | 0.02%     | 0.00%   | 0.34%   | 0.08%        |  |  |  |  |  |  |
| Change due to effect of payroll on amortization    | (0.33%)   | (0.20%) | (0.36%) | (1.59%)      |  |  |  |  |  |  |
| Change due to audit findings                       | 0.09%     | 0.08%   | 0.10%   | <u>0.25%</u> |  |  |  |  |  |  |
| Total change from current year's changes           | (0.92%)   | (0.67%) | (1.07%) | (2.33%)      |  |  |  |  |  |  |
| FYE 2020 Net Employer Contribution Rate            | 28.90%    | 23.48%  | 45.40%  | 57.67%       |  |  |  |  |  |  |

Before adjusting for Plan experience during the year, there was an expected change in amortization due to the phase-in of prior UAL gains, losses, and assumption changes. This reduced the contribution rates by 1.17%, 2.58%, and 1.76% for County, Novato, and San Rafael, respectively.

Plan experience during the year – including demographic and salary changes, as well as asset experience – resulted in a net decrease in the overall employer contribution rate of 0.92% of pay:

• Asset experience produced an investment gain.

The 9.65% return, compared to last year's 7.00% assumption, resulted in a gain that reduced the contribution rate by 0.36% of pay in the current year. The amortization payment for this year's investment gains will be phased-in over five years, resulting in similar decreases in the employer contribution rates in each of the next four years. The investment gain for Novato was offset by a one percent contingency reserve that was reestablished due to the Plan's reserve crediting policy.

• Demographic experience was close to what was expected for all three groups.

The demographic experience of the Plan – rates of retirement, death, disability, and termination – was close to that predicted by the actuarial assumptions in aggregate. Rates declined as a result of demographic changes for the County and Novato. There were losses on the Actuarial Liabilities, partly due to COLA increases larger than expected. These were offset by reductions in the normal cost rates rate in addition to those expected as a result of PEPRA, in particular for South Marin Fire and Novato, as a result of the retirement of some key highly paid individuals. The reductions in the normal cost rate will not be subject to phase-in in future years.



#### SECTION I – EXECUTIVE SUMMARY

PEPRA new hires reduced the contribution rates.

PEPRA members make up a growing proportion of the active member population, and they have lower benefits and generally contribute a larger share of their cost. PEPRA new hires decreased the contribution rate by 0.18%. As these changes only affect the normal cost, they are not subject to further phase-in.

• Changes in salaries and payroll reduced the contribution rates.

Liability-weighted salary increases for returning members were higher than anticipated for Novato and San Rafael, increasing the contribution rates by 0.34% for Novato and 0.08% for San Rafael. The amortization of these losses will be phased-in over five years, resulting in similar increases in the contribution rate for each of the next four years.

However, the higher than expected overall payroll growth as a result of increases in the active population meant that the UAL is being amortized over a larger than expected payroll base, which decreased the contribution rate by 0.20% for County, 0.36% for Novato, and 1.59% for San Rafael. The changes in payroll do not affect the dollar amount of the unfunded liability payments, and therefore are not subject to further phase-in.

The net impact of salaries and payroll was a reduction in the current year contribution rate of 0.20% for County, 0.02% for Novato, and 1.51% for San Rafael.

• Coding changes were made as a result of an actuarial audit.

Milliman performed an audit of the June 30, 2017 actuarial valuation report. Their findings led to some minor coding changes that increased the current year contribution rate by 0.08% for the County, 0.10% for Novato, and 0.25% for San Rafael. These changes mostly affected the normal cost, with 0.02% of pay subject to further phase-in for the County and San Rafael.

#### **Changes in UAL**

The Unfunded Actuarial Liability (UAL) for MCERA decreased by \$57.3 million, from \$423.7 million to \$366.4 million. Table I-5 on the next page presents the specific components of the change in the UAL.



#### **SECTION I – EXECUTIVE SUMMARY**

| Table I-5 Change in Unfunded Actuarial Liability (in millions)  |    |   |    |   |    |  |     |   |  |  |
|---|----|---|----|---|----|--|-----|---|--|--|
| Experience  |    | Total   | C  | ounty   | N  | ovato  | San | Rafael  |  |  |
| 1. Unfunded actuarial liability, 6/30/2017  | \$ | 423.7   | \$ | 261.8   | \$ | 20.1   | \$  | 141.8   |  |  |
| <ol> <li>Expected change in unfunded actuarial liability</li> <li>Change due to unexpected contributions</li> <li>Change due to investment gain</li> <li>Change due to demographic (gains) / losses</li> <li>Change due to salary (gains) / losses</li> <li>Change due to audit findings</li> </ol> |    | (10.3)<br>(8.9)<br>(59.0)<br>15.0<br>3.6<br>2.3 |    | (5.7)<br>(7.5)<br>(45.8)<br>6.9<br>(0.4)<br>1.9 |    | (0.6)<br>(0.3)<br>(2.2)<br>2.0<br>2.1<br>0.0 |     | (4.0)<br>(1.1)<br>(11.0)<br>6.2<br>1.8<br>0.4 |  |  |
| 8. Total change in unfunded actuarial liability   | \$ | (57.3)  | \$ | (50.6)  | \$ | 1.0  | \$  | (7.7)   |  |  |
| 9. Unfunded actuarial liability, 6/30/2018  | \$ | 366.4   | \$ | 211.2   | \$ | 21.1   | \$  | 134.1   |  |  |

The overall dollar amount of contributions was slightly higher than expected, based on differences in actual versus projected payroll and the one-year delay in the implementation of contribution rates, which reduced the UAL by \$8.9 million (row 3). The return on the assets used to compute the UAL and the employer contribution rates was 9.65% during the 2017-18 plan year compared to last year's assumed rate of 7.00%, resulting in a decrease in the UAL of \$59.0 million (row 4). Salary losses compounded by other liability losses (rows 5 and 6 above) – including higher than expected COLAs – increased the UAL by \$18.6 million. Milliman performed an audit of the June 30, 2017 actuarial valuation report. Their findings led to some coding changes that increased the overall UAL by \$2.3 million as of the end of the year (row 7). All of the above combined with the expected UAL reduction (\$10.3 million) from contributions produced an overall decrease of \$57.3 million in the UAL last year.



#### SECTION I – EXECUTIVE SUMMARY

#### **Plan Risk**

One of the most important measures of a plan's risk is the ratio of plan assets to payroll. Table I-6 shows the ratios of assets to active member payroll for each of the three main subgroups within MCERA.

| Table I-6 Asset to Payroll Ratio as of June 30, 2018 |    |               |    |             |                |  |  |  |
|--|----|---------------|----|-------------|----------------|--|--|--|
|  |    | County        |    | Novato      | San Rafael     |  |  |  |
| Active Member Payroll                                | \$ | 217,972,644   | \$ | 9,554,551   | \$ 35,580,371  |  |  |  |
| Assets (Market Value)                                | \$ | 1,856,887,569 | \$ | 174,032,950 | \$ 449,987,265 |  |  |  |
| Ratio of Assets to Payroll                           |    | 8.52          |    | 18.21       | 12.65          |  |  |  |
| Ratio with 100% Funding                              |    | 9.49          |    | 20.42       | 16.42          |  |  |  |
|  |    |               |    |             |                |  |  |  |

This ratio indicates the sensitivity of the Plan to the returns earned on assets. We note in the table that assets are currently over eight times covered payroll for the County, the ratio is over 12 for San Rafael, and over 18 for Novato. As funding improves and the Plan reaches 100% funding, the ratio of assets to payroll will increase: to over nine times payroll for the County, over 16 for San Rafael, and over 20 for Novato.

To appreciate the impact of the ratio of assets to payroll on the contribution rate, consider the situation for a new plan with almost no assets. Even if the assets suffer a bad year of investment returns, the impact on the plan cost is nil, because the assets are so small.

On the other hand, consider the situation for the County. Suppose MCERA's assets lose 10% of their value in a year. Since they were assumed to earn 7.00%, there is an actuarial loss of 17.00% of plan assets. Based on the current ratio of assets to payroll (852%) for the County, that means the loss in assets is about 145% of active County payroll (852% of the 17.00% loss).

There is only one source of funding to make up for this loss: contributions. Consequently, barring future offsetting investment gains, the County employers would have to make up the asset loss in future contributions. In this example of a one-year loss of 10%, this shortfall will eventually require an average additional amortization payment of approximately 9.3% of payroll if amortized over a 24-year period.

As the plan matures and becomes better funded, the ratio of assets to payroll will increase. When assets are 949% of pay for the County, the 10% loss discussed above will translate to a loss of 161% of payroll, which when amortized over a 24-year period will increase the employer contribution rate by 10.4% of member pay on average. Therefore, the plan is likely to become more sensitive to market variation in the future than it is today.

The expected contribution volatility is higher for San Rafael and Novato, due to their higher relative number of Safety members, who receive higher benefits relative to their payroll. A 10% loss for San Rafael would currently translate to a loss of 215% of pay, which would require an



#### SECTION I – EXECUTIVE SUMMARY

average of a 13.9% amortization payment. The same loss for Novato would translate to a loss of 310% of pay, requiring a 20.0% of pay average payment. If the Plan were fully funded, these losses would results in amortization payments of 18.0% and 22.4% for San Rafael and Novato, respectively.

#### C. Historical Trends

Despite the fact that for most retirement plans the greatest attention is given to the current valuation results, it is important to remember that each valuation is merely a snapshot in the long-term progress of a pension plan. It is more important to judge a current year's valuation result relative to historical trends, as well as trends expected into the future.

#### **Assets and Liabilities**

The chart below compares the Market Value of Assets (MVA) and Actuarial Value of Assets (AVA) to the Actuarial Liability for the overall MCERA Plan. The percentage shown in the table below the graph is the ratio of the Actuarial Value of Assets to the Actuarial Liability (the funded ratio). The funded ratio is 87.1% as of June 30, 2018, and is slightly higher than the 84.0% funded ratio in 2008.

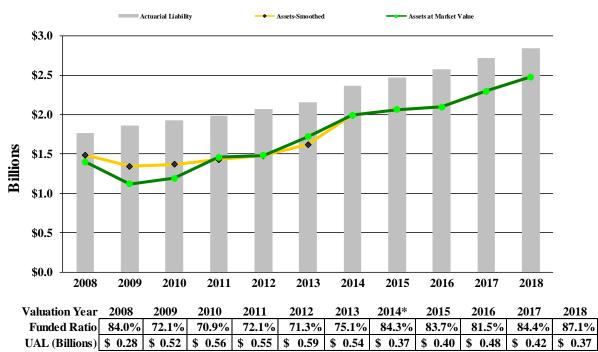


Chart I-1: Assets and Actuarial Liabilities



<sup>\*</sup> Beginning in 2014, there is no smoothing of the asset value, thus AVA = MVA.

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#### **Contribution Trends**

Chart I-2 presents the historical trends for the MCERA contribution rates. The employer contribution rates rose steadily from 2008 through 2013, as the investment losses from 2008-2009 were recognized in the smoothed value of assets. The average employee contribution rates have stayed relatively stable, increasing slightly as the Plan's economic and mortality assumptions have changed.

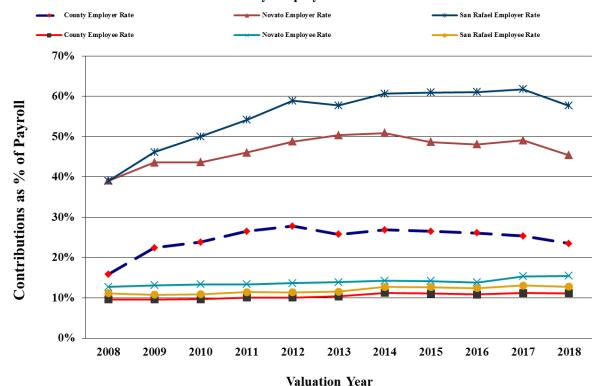


Chart I-2: Marin County Employees' Retirement Association

#### **Gains and Losses**

The following chart for MCERA presents the pattern of annual gains and losses for the overall Plan, broken into the investment and liability components. Prior to 2014, the investment gains and losses represent the changes on a smoothed basis (i.e., based on the Actuarial Value of Assets). As of 2014, the Actuarial Value of Assets was set equal to the Market Value of Assets, and the 2013-14 and later years' investment gains and losses represent changes on a market basis. The chart does not include any changes in MCERA's assets and liabilities attributable to changes to actuarial methods, assumptions, or plan benefit changes.

The investment loss in 2008-2009 was by far the most significant gain or loss during the last eight years. Even though the Plan was using actuarial smoothing of the assets, there was a significant loss reflected in the June 30, 2009 valuation, because the amount of smoothing was limited by the 80/120% corridor around the Market Value of Assets (the return on the smoothed value of assets for 2008-2009 was -9.2%).



#### **SECTION I – EXECUTIVE SUMMARY**

Between 2011 and 2014, there was a period of modest liability gains, as salary increases were below their expected levels. After experiencing asset losses in 2015 and 2016, there have been asset gains the past two years.

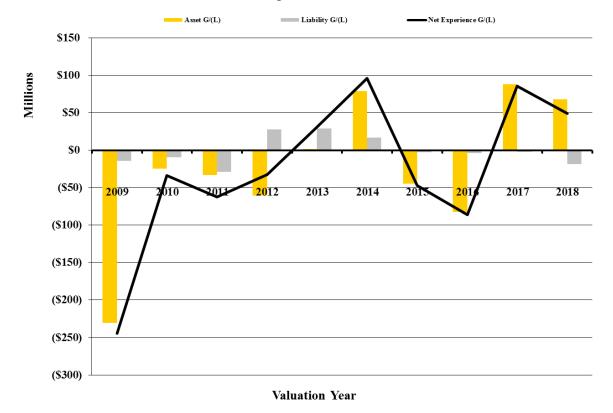


Chart I-3: Experience Gains and Losses

#### **D. Future Expected Financial Trends**

The analysis of projected financial trends is an important component of this valuation. In this section, we present our assessment of the implications of the June 30, 2018 valuation results in terms of contributions and benefit security (assets over liabilities). All the projections in this section are based on the current investment return assumption of 7.00% and future base salary increases of 3.00% per year.

The following graphs show the expected employer contribution rates based on achieving the 7.00% assumption **each year** for the next 20 years. This scenario is highly unlikely: even if the Plan does achieve an **average** return of 7.00% over this time period, the returns in each given year will certainly vary.

The contribution rate graphs which follow – shown separately for the County, Novato, and San Rafael – project that employer contribution rates are expected to gradually decline through 2029, as the bulk of the current unfunded liability is amortized over this period as a level percentage of payroll. A significant reduction in contribution rates is projected in 2030.



#### SECTION I – EXECUTIVE SUMMARY

After an initial increase next year, there is a small short-term reduction in rates projected, as the deferred investment gains from prior years are recognized. There is also a moderate longer-term decline projected in the employer normal cost rates, primarily due to the PEPRA members becoming a larger proportion of the active member population over time.

Chart I-4: Projection of Contributions, 7.00% Return Each Year – County of Marin

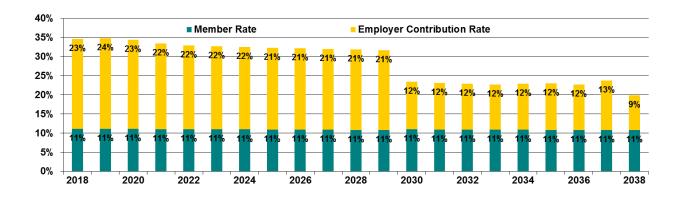
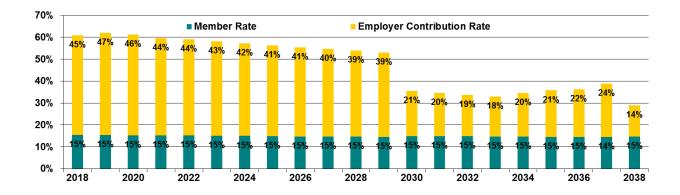


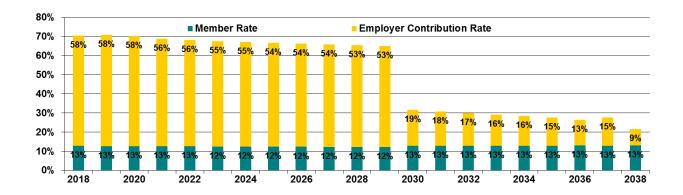
Chart I-5: Projection of Contributions, 7.00% Return Each Year – Novato FPD





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Chart I-6: Projection of Contributions, 7.00% Return Each Year - City of San Rafael



#### **Asset and Liability Projections**

The following charts show the projection of assets and liabilities assuming that assets will earn the 7.00% assumption each year during the projection period, and the actuarially determined contributions shown in the projections above are made. The percentages shown at the top of the charts are the ratios of the Market Value of Assets to the Actuarial Liability (the funded ratios).

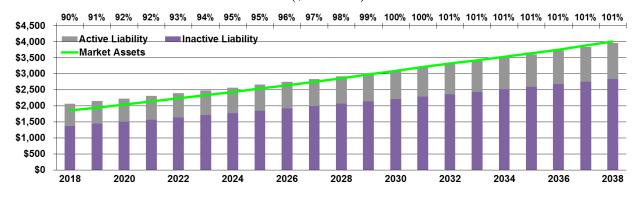
The charts on the next page show that the projected funded status increases over the next 12 years to approach 100%, as can be expected based on the 12-year amortization policy for the majority of the current unfunded liability, assuming the actuarial assumptions are achieved. However, as above, it is the **actual** return on Plan assets that will determine the future funding status and contribution rate to the Plan.

The liabilities have been divided into those associated with the active employees and the inactive members (members in pay status or eligible to receive a deferred benefit). If the Plan's asset level drops below the liabilities for the inactive members, it indicates that no Plan assets have been set aside to fund future benefits for current active participants. The County, Novato, and San Rafael currently have asset levels greater than their inactive liabilities.

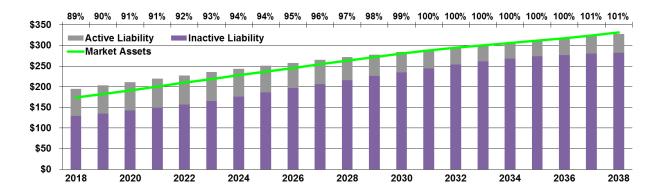


#### SECTION I – EXECUTIVE SUMMARY

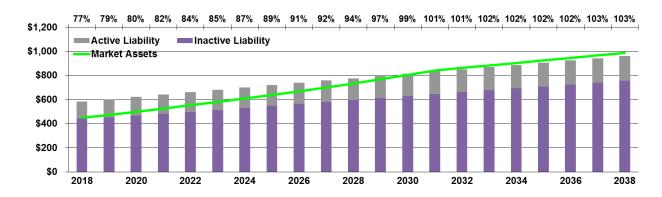
<u>Chart I-7: Projection of Assets and Liabilities, 7.00% Return – County of Marin</u> (\$ millions)



<u>Chart I-8: Projection of Assets and Liabilities, 7.00% Return – Novato FPD</u> (\$ millions)



<u>Chart I-9: Projection of Assets and Liabilities, 7.00% Return – City of San Rafael</u> (\$ millions)





#### **SECTION II - ASSETS**

Pension Plan assets play a key role in the financial operation of the Plan and in the decisions the Board may make with respect to future deployment of those assets. The level of assets, the allocation of assets among asset classes, and the methodology used to measure assets will likely impact employer contributions and the ultimate security of participants' benefits.

In this section, we present detailed information on Plan assets including:

- **Disclosure** of Plan assets as of June 30, 2017 and June 30, 2018,
- Statement of the **changes** in market values during the year,
- An assessment of historical investment performance versus inflation, and
- An allocation of the assets between the **employers and their valuation subgroups**.

#### **Disclosure**

The Actuarial Value of Assets is equal to the Market Value of Assets. The market value represents "snap-shot" or "cash-out" values that provide the principal basis for measuring financial performance from one year to the next. Market values, however, can fluctuate widely with corresponding swings in the marketplace.

Table II-1 on the next page discloses asset value as of June 30, 2017 and June 30, 2018.



#### **SECTION II – ASSETS**

| Table II-1<br>Statement of Assets at M                             | Statement of Assets at Market Value |    |                                    |  |  |  |  |  |  |  |
|--|-------------------------------------|----|------------------------------------|--|--|--|--|--|--|--|
| Assets:  | June 30, 2017                       |    | June 30, 2018                      |  |  |  |  |  |  |  |
| Cash and Cash Equivalents \$                                       | 46,809,883                          | \$ | 31,491,712                         |  |  |  |  |  |  |  |
| Collateral held for Securities Loaned                              | 36,938,897                          |    | 42,146,367                         |  |  |  |  |  |  |  |
| Total Cash and Short Term Investments                              | 83,748,780                          |    | 73,638,079                         |  |  |  |  |  |  |  |
| Receivables:   |                                     |    |                                    |  |  |  |  |  |  |  |
| Contributions  | 6,141,593                           |    | 3,823,704                          |  |  |  |  |  |  |  |
| Interest and Dividends   | 2,015,474                           |    | 2,220,718                          |  |  |  |  |  |  |  |
| Due from Brokers for Securities Sold                               | 3,147,080                           |    | 1,164,332                          |  |  |  |  |  |  |  |
| Other Receivables  | 513,475                             |    | 396,149                            |  |  |  |  |  |  |  |
| Total Receivables  | 11,817,622                          |    | 7,604,903                          |  |  |  |  |  |  |  |
| Investments, at Fair Value:  |                                     |    |                                    |  |  |  |  |  |  |  |
| Domestic Fixed Income  | 339,793,320                         |    | 374,675,426                        |  |  |  |  |  |  |  |
| International Fixed Income   | 62,120,201                          |    | 63,128,698                         |  |  |  |  |  |  |  |
| Domestic Equities  | 740,704,272                         |    | 863,910,598                        |  |  |  |  |  |  |  |
| International Equities   | 548,114,926                         |    | 548,340,898                        |  |  |  |  |  |  |  |
| Private Equity   | 214,767,077                         |    | 247,799,003                        |  |  |  |  |  |  |  |
| Real Estate  | 215,426,670                         |    | 266,170,531                        |  |  |  |  |  |  |  |
| Real Assets  | 137,628,960                         |    | 110,306,759                        |  |  |  |  |  |  |  |
| Total Investments  | 2,258,555,426                       |    | 2,474,331,913                      |  |  |  |  |  |  |  |
| Other Assets:  |                                     |    |                                    |  |  |  |  |  |  |  |
| Capital Assets   | 5,459,603                           |    | 4,986,167                          |  |  |  |  |  |  |  |
| Prepaid Insurance  | 59,724                              |    | 97,798                             |  |  |  |  |  |  |  |
| Total Assets   | 2,359,641,155                       |    | 2,560,658,860                      |  |  |  |  |  |  |  |
| Liabilities:   |                                     |    |                                    |  |  |  |  |  |  |  |
| Accounts Payable and Accrued Expenses                              | 1,370,194                           |    | 1,740,483                          |  |  |  |  |  |  |  |
| Due to Brokers for Securities Purchased                            | 5,058,254                           |    | 15,334,500                         |  |  |  |  |  |  |  |
| Rental Security Deposits   | 0                                   |    | 0                                  |  |  |  |  |  |  |  |
| Retiree Payroll Payable  | 13,600                              |    | 15,378                             |  |  |  |  |  |  |  |
| Obligations Under Securities Lending Program                       | 36,938,897                          |    | 42,146,367                         |  |  |  |  |  |  |  |
| Total Liabilities Net Assets Held in Trust for Pension Benefits \$ | 43,380,945<br><b>2,316,260,210</b>  | \$ | 59,236,728<br><b>2,501,422,132</b> |  |  |  |  |  |  |  |
|  |                                     |    |                                    |  |  |  |  |  |  |  |



#### **SECTION II – ASSETS**

#### **Changes in Market Value**

The components of asset change are:

- Contributions (employer and employee)
- Benefit payments
- Expenses (investment and administrative)
- Investment income (realized and unrealized)

Table II-2 below shows the components of changes in the Market Value of Assets during the fiscal years ending June 30, 2017 and June 30, 2018.

| Table II-2 Changes in Market Values         |            |                |      |                |  |  |  |
|---|------------|----------------|------|----------------|--|--|--|
| oming of m                                  |            | al Year ending | Fisc | al Year ending |  |  |  |
| Additions                                   | <u>J</u> 1 | une 30, 2017   | Jı   | ine 30, 2018   |  |  |  |
| Contributions                               |            |                |      | _              |  |  |  |
| Employers' Contributions                    | \$         | 77,502,945     | \$   | 78,754,476     |  |  |  |
| Members' Contributions                      |            | 28,053,775     |      | 28,628,627     |  |  |  |
| Total Contributions                         |            | 105,556,720    | -    | 107,383,103    |  |  |  |
| Investment Income                           |            |                |      |                |  |  |  |
| Net Appreciation/(Depreciation) in          |            |                |      |                |  |  |  |
| Fair Value of Investments                   |            | 231,386,683    |      | 202,684,595    |  |  |  |
| Interest and Dividends                      |            | 15,585,631     |      | 16,508,622     |  |  |  |
| Real Estate Operating Income, net           |            | 11,543,744     |      | 13,921,217     |  |  |  |
| Other Investment Income                     |            | 1,679,902      |      | 1,633,974      |  |  |  |
| Total Investment Income/(Loss)              |            | 260,195,960    |      | 234,748,408    |  |  |  |
| Investment Expenses                         |            | (12,035,614)   |      | (13,093,197)   |  |  |  |
| Net Investment Income/(Loss)                |            | 248,160,346    |      | 221,655,211    |  |  |  |
| Securities Lending Activities               |            |                |      |                |  |  |  |
| Securities Lending Income                   |            | 436,387        |      | 909,662        |  |  |  |
| Expenses from Securities Lending Activities |            | (249,232)      |      | (725,677)      |  |  |  |
| Net Securities Lending Income/(Loss)        |            | 187,155        |      | 183,985        |  |  |  |
| Total Investment Income/(Loss)              |            | 248,347,501    |      | 221,839,196    |  |  |  |
| Total Additions/(Declines)                  | \$         | 353,904,221    | \$   | 329,222,299    |  |  |  |



#### **SECTION II – ASSETS**

|   | Fiscal Year ending   | Fiscal Year ending |
|---|----------------------|--------------------|
| <b>Deductions</b>                             | <b>June 30, 2017</b> | June 30, 2018      |
| Benefit payments                              | 130,771,236          | 138,640,109        |
| Refunds of Members' Contributions             | 1,165,826            | 1,216,563          |
| Administrative Costs                          | 3,555,663            | 3,343,486          |
| Legal Costs & Litigation Settlement           | 494,196              | 484,563            |
| Computer Expenses                             | 209,075              | 214,827            |
| Actuarial Expenses                            | 145,257              | 160,829            |
| Total Deductions                              | 136,341,253          | 144,060,377        |
| Net increase (Decrease)                       | 217,562,968          | 185,161,922        |
| Net Assets Held in Trust for Pension Benefits |                      |                    |
| Beginning of Year                             | 2,098,697,242        | 2,316,260,210      |
| End of Year                                   | 2,316,260,210        | 2,501,422,132      |
| Approximate Return (Net of Investment         | 11.9%                | 9.7%               |

<sup>\*</sup>The approximate return is computed using an assumption that cash flows occur mid-year, on average. This calculation will not necessarily match the actual time- or money-weighted returns of the Plan.



#### **SECTION II – ASSETS**

#### **Historical Investment Performance**

Table II-3 shows the historical annual asset returns on a market value basis, as well as in the increase in the Consumer Price Index (CPI) since 2002.

| Table II-3               |                               |   |  |  |  |
|--------------------------|-------------------------------|---|--|--|--|
| Net Return on Assets vs. | . Increase in Consumer I      | Price Index                             |  |  |  |
| Year Ended<br>June 30    | Net Return at Market<br>Value | Increase in<br>Consumer<br>Price Index* |  |  |  |
| 2002                     | N/A                           | 1.2%                                    |  |  |  |
| 2003                     | N/A                           | 1.6%                                    |  |  |  |
| 2004                     | N/A                           | 1.4%                                    |  |  |  |
| 2005                     | N/A                           | 1.1%                                    |  |  |  |
| 2006                     | N/A                           | 3.9%                                    |  |  |  |
| 2007                     | 18.1%                         | 3.4%                                    |  |  |  |
| 2008                     | -6.7%                         | 4.2%                                    |  |  |  |
| 2009                     | -19.8%                        | 0.2%                                    |  |  |  |
| 2010                     | 8.2%                          | 1.1%                                    |  |  |  |
| 2011                     | 23.4%                         | 2.4%                                    |  |  |  |
| 2012                     | 1.6%                          | 2.6%                                    |  |  |  |
| 2013                     | 13.9%                         | 2.6%                                    |  |  |  |
| 2014                     | 18.1%                         | 3.0%                                    |  |  |  |
| 2015                     | 5.0%                          | 2.3%                                    |  |  |  |
| 2016                     | 2.1%                          | 2.7%                                    |  |  |  |
| 2017                     | 11.9%                         | 3.5%                                    |  |  |  |
| 2018                     | 9.7%                          | 3.9%                                    |  |  |  |
| 10-Year Compound Average | 6.5%                          | 2.4%                                    |  |  |  |
| 5-Year Compound Average  | 8.8%                          | 3.1%                                    |  |  |  |

<sup>\*</sup>Based on Consumer Price Index for San Francisco-Oakland-Hayward Area (1982-1984 base period).



#### **SECTION II - ASSETS**

#### **Asset Allocation by Valuation Subgroup**

Table II-4 below shows the allocation of the valuation assets between the employers and their valuation subgroups (Miscellaneous vs. Safety). These allocations are based on a roll-forward of the asset balances from the prior year, adjusted for employee and employer contributions, and are used to calculate the UAL amortizations for each employer and subgroup. Assets are first allocated to cover the liabilities for inactive members (members in pay status or eligible to receive a deferred benefit), and any remaining assets are allocated to each group's active members based on the employer's share of the rolled-forward balances.

The top portion of the table shows the allocations for the active members of each employer. A negative balance indicates that the allocated assets are not sufficient to cover a group's inactive liabilities. The bottom portion of the table shows the total asset allocation (active and inactive) for each of the three main subgroups.

The column on the right shows the funded ratios. For the top portion of the table, the funded ratio is the percentage of the active liabilities that are covered by the valuation assets. For the bottom portion, the funded ratio represents the total funded ratio for each group.

| Table II-4 Market Assets and Funding Ratios - Active Members Only |                         |    |             |             |    |             |             |  |  |
|---|-------------------------|----|-------------|-------------|----|-------------|-------------|--|--|
| Plan  | Group                   |    | Assets 2017 | Ratios 2017 |    | Assets 2018 | Ratios 2018 |  |  |
| County  | County Misc             | \$ | 256,693,995 | 60.1%       | \$ | 300,652,700 | 69.9%       |  |  |
|   | County Safety           |    | 114,107,363 | 63.8%       |    | 134,068,385 | 69.2%       |  |  |
|   | Courts                  |    | 16,946,631  | 65.6%       |    | 19,359,393  | 73.7%       |  |  |
|   | South Marin Fire Misc   |    | 235,534     | 42.6%       |    | 258,160     | 100.0%      |  |  |
|   | South Marin Fire Safety |    | 13,547,308  | 62.5%       |    | 16,317,193  | 62.0%       |  |  |
|   | Mosquito District       |    | 7,202,517   | 52.3%       |    | 8,465,225   | 67.5%       |  |  |
|   | LAFCO                   |    | 260,811     | 85.5%       |    | 167,409     | 100.0%      |  |  |
|   | Tamalpais CSD           |    | 1,904,405   | 44.1%       |    | 2,379,443   | 64.5%       |  |  |
|   | Marin City CSD          |    | 178,564     | 100.0%      |    | 249,214     | 96.4%       |  |  |
| Novato  | Novato Misc             |    | 2,499,993   | 80.6%       |    | 2,805,074   | 81.2%       |  |  |
|   | Novato Safety           |    | 38,309,616  | 66.3%       |    | 41,517,170  | 67.0%       |  |  |
| San Rafael  | San Rafael Misc         |    | (683,004)   | (1.1%)      |    | 1,316,667   | 2.2%        |  |  |
|   | San Rafael Safety       |    | (4,043,527) | (5.4%)      |    | 6,015,211   | 7.3%        |  |  |

|            | Market Assets and Fundin | g Ratios - To | tal              |       |
|------------|--------------------------|---------------|------------------|-------|
| County     | \$ 1,719,856,571         | 86.8%         | \$ 1,856,887,569 | 89.8% |
| Novato     | 163,285,073              | 89.1%         | 174,032,950      | 89.2% |
| San Rafael | 415,746,275              | 74.6%         | 449,987,265      | 77.0% |



#### **SECTION III – LIABILITIES**

In this section, we present detailed information on Plan liabilities.

#### **Disclosure**

Several measures of liabilities are calculated and presented in this report. Note that these measures of 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 Plan obligations, represents the expected amount of money needed today to fully fund all benefits of the Plan both earned as of the valuation date and those to be earned in the future by current plan participants under the current Plan provisions if all assumptions are met.
- Actuarial Liability: Used for funding calculations, this liability is calculated taking the present value of future benefits and subtracting the present value of future member contributions and future employer normal costs under an acceptable actuarial cost method. The method used for this Plan is called the Entry Age Normal (EAN) Cost Method. The Actuarial Liability represents the expected amount of money needed today to pay for benefits attributed to service prior to the valuation date. As such, it is the amount of assets targeted by the actuarial cost method for the Plan to hold as of the valuation date.

Table III-1 on the next page shows the present value of future benefits and Table III-2 shows the Actuarial Liability for each valuation subgroup for the current and prior valuations. The top portion of each table shows the liabilities for the active members for each employer. The bottom portion of the table shows the total liability (active and inactive) for each of the three main subgroups.



#### **SECTION III – LIABILITIES**

|            | Table III-1                             |               |   |             |
|------------|---|---------------|---|-------------|
| <b></b>    | Present Value of Benefits - Active      |               |   | 0010        |
| Plan       | Group                                   | 2017          |   | 2018        |
| County     | County Misc Tier 1                      | \$ 12,927,240 |   | 9,227,337   |
|            | County Misc Tier 2                      | 19,078,930    |   | 19,008,378  |
|            | County Misc Tier 3                      | 457,953,542   |   | 441,740,994 |
|            | County Misc Tier 3A                     | 38,545,89     |   | 39,419,788  |
|            | County Misc Tier 4                      | 34,704,460    | ) | 41,089,202  |
|            | County Misc Tier 5 (PEPRA)              | 90,937,30     | ) | 120,313,430 |
|            | County Safety Tier 1A                   | 2,953,60      |   | 3,013,364   |
|            | County Safety Tier 2A                   | 42,679,52     |   | 43,390,319  |
|            | County Safety Tier 2B                   | 212,021,15    | 7 | 221,509,310 |
|            | County Safety Tier 3 (PEPRA)            | 32,369,30     |   | 40,475,238  |
|            | Courts Tier 1                           | 1,344,66      |   | 1,374,242   |
|            | Courts Tier 2                           | 293,143       |   | 308,997     |
|            | Courts Tier 3                           | 30,299,283    |   | 29,522,804  |
|            | Courts Tier 4                           | 1,251,743     |   | 1,818,858   |
|            | Courts Tier 5 (PEPRA)                   | 2,953,123     | 3 | 3,630,240   |
|            | South Marin Fire Misc Tier 1            | 572,433       | 3 | 0           |
|            | South Marin Fire Misc Tier 2 (PEPRA)    | 601,153       | 3 | 839,763     |
|            | South Marin Fire Safety Tier 1          | 18,671,77     | 1 | 21,330,950  |
|            | South Marin Fire Safety Tier 2          | 15,759,029    | 9 | 17,960,205  |
|            | South Marin Fire Safety Tier 2A         | 1,180,84      | 3 | 1,300,484   |
|            | South Marin Fire Safety Tier 3A (PEPRA) | 4,318,02      | 1 | 4,388,012   |
|            | Mosquito District Tier 1                | 19,306,95     | 3 | 17,713,826  |
|            | Mosquito District Tier 2 (PEPRA)        | 359,81        | 7 | 768,644     |
|            | LAFCO Tier 3                            | 771,298       | 3 | 324,366     |
|            | LAFCO Tier 4 (PEPRA)                    | 123,850       | ) | 0           |
|            | Tamalpais CSD Tier 1                    | 5,495,43      | 1 | 4,833,727   |
|            | Tamalpais CSD Tier 2 (PEPRA)            | 440,664       | 4 | 869,952     |
|            | Marin City CSD Tier 1                   | 286,69        | 7 | 505,957     |
|            | Marin City CSD Tier 2 (PEPRA)           | 607,50        | 5 | 600,857     |
| Novato     | Novato Misc Tier 1                      | 4,481,494     | 4 | 4,701,904   |
|            | Novato Misc Tier 2A (PEPRA)             | 354,332       | 2 | 402,477     |
|            | Novato Safety Tier 1                    | 72,600,892    | 2 | 74,685,228  |
|            | Novato Safety Tier 2                    | 5,568,508     | 3 | 6,093,380   |
|            | Novato Safety Tier 3 (PEPRA)            | 2,976,55      | 4 | 3,312,412   |
|            | Novato Safety Tier 3A (PEPRA)           | (             | ) | 1,270,952   |
| San Rafael | San Rafael Misc Tier 1                  | 81,065,730    | 5 | 75,523,438  |
|            | San Rafael Misc Tier 2                  | 4,877,330     | 5 | 5,391,951   |
|            | San Rafael Misc Tier 3 (PEPRA)          | 7,489,943     | 3 | 11,549,087  |
|            | San Rafael Fire Tier 1                  | 48,164,233    | 3 | 50,511,347  |
|            | San Rafael Police Tier 1                | 53,820,713    |   | 54,642,023  |
|            | San Rafael Fire Tier 2                  | 9,614,749     |   | 10,753,352  |
|            | San Rafael Police Tier 2                | 3,367,090     |   | 4,143,263   |
|            | San Rafael Safety Tier 3 (PEPRA)        | 12,077,51     |   | 17,008,993  |

|            | <b>Total Present Value of Benefits - Active and Inactive Mem</b> | bers             |
|------------|--|------------------|
| County     | \$ 2,357,587,839   | \$ 2,462,249,691 |
| Novato     | 208,457,244  | 220,177,059      |
| San Rafael | 640,950,127  | 672,178,841      |



#### **SECTION III – LIABILITIES**

|            | Table III-2                             |      |             |    |             |
|------------|---|------|-------------|----|-------------|
| DI.        | Actuarial Liabilities - Active M        | lemb |             |    | 2010        |
| Plan       | Group                                   | Ф    | 2017        | Ф  | 2018        |
| County     | County Misc Tier 1                      | \$   | 12,260,710  | \$ | 8,762,103   |
|            | County Misc Tier 2                      |      | 16,348,263  |    | 16,520,741  |
|            | County Misc Tier 3                      |      | 353,196,835 |    | 344,558,190 |
|            | County Misc Tier 3A                     |      | 18,196,642  |    | 19,898,606  |
|            | County Misc Tier 4                      |      | 9,865,742   |    | 12,875,168  |
|            | County Misc Tier 5 (PEPRA)              |      | 17,578,956  |    | 27,426,534  |
|            | County Safety Tier 1A                   |      | 2,953,601   |    | 3,013,364   |
|            | County Safety Tier 2A                   |      | 29,977,836  |    | 31,042,178  |
|            | County Safety Tier 2B                   |      | 141,432,387 |    | 152,407,792 |
|            | County Safety Tier 3 (PEPRA)            |      | 4,435,561   |    | 7,181,259   |
|            | Courts Tier 1                           |      | 1,300,317   |    | 1,328,771   |
|            | Courts Tier 2                           |      | 215,905     |    | 234,974     |
|            | Courts Tier 3                           |      | 23,171,330  |    | 22,988,063  |
|            | Courts Tier 4                           |      | 782,409     |    | 997,244     |
|            | Courts Tier 5 (PEPRA)                   |      | 380,034     |    | 705,432     |
|            | South Marin Fire Misc Tier 1            |      | 389,081     |    | 0           |
|            | South Marin Fire Misc Tier 2 (PEPRA)    |      | 164,233     |    | 258,160     |
|            | South Marin Fire Safety Tier 1          |      | 14,361,323  |    | 16,981,020  |
|            | South Marin Fire Safety Tier 2          |      | 6,562,660   |    | 8,194,705   |
|            | South Marin Fire Safety Tier 2A         |      | 136,299     |    | 216,338     |
|            | South Marin Fire Safety Tier 3A (PEPRA) |      | 630,788     |    | 912,088     |
|            | Mosquito District Tier 1                |      | 13,737,678  |    | 12,471,827  |
|            | Mosquito District Tier 2 (PEPRA)        |      | 35,559      |    | 70,067      |
|            | LAFCO Tier 3                            |      | 286,337     |    | 167,409     |
|            | LAFCO Tier 4 (PEPRA)                    |      | 18,694      |    | 0           |
|            | Tamalpais CSD Tier 1                    |      | 4,259,571   |    | 3,581,803   |
|            | Tamalpais CSD Tier 2 (PEPRA)            |      | 61,978      |    | 105,077     |
|            | Marin City CSD Tier 1                   |      | 115,671     |    | 177,816     |
|            | Marin City CSD Tier 2 (PEPRA)           |      | 62,893      |    | 80,751      |
| Novato     | Novato Misc Tier 1                      |      | 3,050,208   |    | 3,369,151   |
|            | Novato Misc Tier 2A (PEPRA)             |      | 52,970      |    | 85,402      |
|            | Novato Safety Tier 1                    |      | 54,883,093  |    | 58,186,033  |
|            | Novato Safety Tier 2                    |      | 2,290,397   |    | 2,843,681   |
|            | Novato Safety Tier 3 (PEPRA)            |      | 583,534     |    | 816,611     |
|            | Novato Safety Tier 3A (PEPRA)           |      | 0           |    | 74,274      |
| San Rafael | San Rafael Misc Tier 1                  |      | 59,636,208  |    | 56,101,393  |
|            | San Rafael Misc Tier 2                  |      | 1,047,403   |    | 1,469,796   |
|            | San Rafael Misc Tier 3 (PEPRA)          |      | 1,073,545   |    | 1,895,288   |
|            | San Rafael Fire Tier 1                  |      | 32,428,102  |    | 35,162,135  |
|            | San Rafael Police Tier 1                |      | 38,231,443  |    | 40,243,671  |
|            | San Rafael Fire Tier 2                  |      | 2,155,392   |    | 2,894,816   |
|            | San Rafael Police Tier 2                |      | 961,022     |    | 1,248,192   |
|            | San Rafael Safety Tier 3 (PEPRA)        |      | 1,588,372   |    | 2,463,190   |

|            | Total Accrued Liabilities - Active and Inactive Member | S                |
|------------|--|------------------|
| County     | \$ 1,981,698,735                                       | \$ 2,068,127,927 |
| Novato     | 183,335,666  | 195,085,858      |
| San Rafael | 557,594,293  | 584,133,868      |



#### **SECTION IV – CONTRIBUTIONS**

For this Plan, there are three components to the total contribution: the **normal cost rate** (employee and employer), the **Unfunded Actuarial Liability rate** (UAL rate), and the **administrative expense** contribution.

The normal cost rate is determined in the following steps. First, an individual normal cost rate is determined by taking the value, as of entry age into the Plan, of each member's projected future benefits. This value is then divided by the value, also at entry age, of the member's expected future salary producing a normal cost rate that is expected to remain constant over a member's career.

The total normal cost is computed by adding up the expected dollar amount of each active member's normal cost for the current year. The total normal cost is adjusted with interest to the middle of the year, to reflect the fact that the normal cost contributions are paid throughout the year as member payroll payments are made. Finally, the total normal cost is reduced by the expected contributions for each member and divided by the projected pay for each subgroup.

The Unfunded Actuarial Liability (UAL) is the difference between the EAN Actuarial Liability and the Market Value of Assets. The UAL payment is determined using the following pieces, and then divided by the projected payroll for each employer to calculate a UAL rate for each group:

- The amount needed to fund the extraordinary UAL resulting from the 2008-2009 investment losses as a level percent of member payroll over a fixed period (20 years remaining as of the current valuation, reduced from 21 years in the prior valuation),
- The remaining UAL as of June 30, 2013 over a period of 17 years as a level percentage of member payroll (12 years as of June 30, 2018), and
- Any subsequent unexpected change in the Unfunded Actuarial Liability after June 30, 2013 is amortized over 24 years (22 years for assumption changes) that includes a five-year phase-in and four year phase-out (three/two years for assumption changes) of the payments/credits for each annual layer.

Administrative expenses are assumed to be \$5.065 million per year as of June 30, 2018, increasing at 3% per annum. The administrative expenses are split between employees and employers based on their share of the overall contributions.



#### **SECTION IV – CONTRIBUTIONS**

Table IV-1 below presents the calculation of employer contribution rates for each of the three main Plan groups, as well as a comparison to the prior year rates.

| Development of the No                       |        | Table IV-1<br>tribution Rates | as of June 30, 2 | 018 for FYE 2 | 020           |              |
|---|--------|-------------------------------|------------------|---------------|---------------|--------------|
|   |        | June 30, 2017                 |                  |               | June 30, 2018 | 3            |
|   | County | Novato                        | San Rafael       | County        | Novato        | San Rafael   |
| 1. Total Normal Cost Rate                   | 22.91% | 39.31%                        | 29.88%           | 22.72%        | 38.53%        | 29.12%       |
| 2. Member Contribution Rate                 | 10.71% | 14.65%                        | <u>12.48%</u>    | 10.62%        | 14.76%        | 12.19%       |
| 3. Employer Normal Cost Rate (1-2)          | 12.20% | 24.66%                        | 17.40%           | 12.10%        | 23.77%        | 16.93%       |
| 4. UAL Amortization                         | 11.95% | 22.12%                        | 41.50%           | 10.26%        | 19.46%        | 37.99%       |
| 5. Administrative Expense Rate              | 1.17%  | <u>2.27%</u>                  | <u>2.86%</u>     | 1.12%         | 2.17%         | <u>2.75%</u> |
| 6. Final Employer Contribution Rate (3+4+5) | 25.32% | 49.05%                        | 61.76%           | 23.48%        | 45.40%        | 57.67%       |

Table IV-2 on the following page presents the calculation of the UAL payments for the Plan for this valuation.



#### **SECTION IV - CONTRIBUTIONS**

|  |                     |                        | Table IV<br>ment of Amort<br>ine 30, 2018 Ao | izat |   |                                    |                           |                                       |    |                        |
|--|---------------------|------------------------|--|------|---|------------------------------------|---------------------------|---------------------------------------|----|------------------------|
| Type of Base                             | Date<br>Established | Initial<br>Amount      | Initial<br>Amortization<br>Years             |      | June 30, 2018<br>Outstanding<br>Balance | Remaining<br>Amortization<br>Years | Length of<br>Phase In/Out | Current<br>Phase In/Out<br>Percentage |    | Amortization<br>Amount |
| Charges / (Credits)                      | C 120 12000         | ф. 146 <b>2</b> 41 604 | 20   | Ф    | 156 460 115                             | 20                                 | 37/4                      | 1000/                                 | Φ. | 11 245 015             |
| 1. County - 2009 Extraordinary Loss      |                     | \$ 146,241,604         | 30   | \$   | 156,463,117                             | 20                                 | N/A                       | 100%                                  | \$ | 11,345,817             |
| 2. County - Initial UAL                  | 6/30/2013           | 188,358,828            | 17   |      | 169,103,293                             | 12                                 | N/A                       | 100%                                  |    | 17,820,467             |
| 3. County - (Gain)/Loss Base             | 6/30/2014           | (223,502,748)          | 24   |      | (253,193,240)                           |                                    | 5                         | 100%                                  |    | (19,756,336)           |
| 4. County - Assumption Changes           | 6/30/2014           | 99,117,401             | 22   |      | 103,919,449                             | 18                                 | 3                         | 100%                                  |    | 8,433,430              |
| 5. County - (Gain)/Loss Base             | 6/30/2015           | 36,267,023             | 24   |      | 40,746,848                              | 21                                 | 5                         | 80%                                   |    | 2,486,441              |
| 6. County - (Gain)/Loss Base             | 6/30/2016           | 62,321,452             | 24   |      | 68,332,606                              | 22                                 | 5                         | 60%                                   |    | 3,106,019              |
| 7. County - (Gain)/Loss Base             | 6/30/2017           | (56,402,352)           | 24   |      | (59,438,703)                            |                                    | 5                         | 40%                                   |    | (1,815,855)            |
| 8. County - Assumption Changes           | 6/30/2017           | 27,391,858             | 22   |      | 28,598,153                              | 21                                 | 3                         | 67%                                   |    | 1,416,210              |
| 9. County - (Gain)/Loss Base             | 6/30/2018           | (45,161,446)           | 24   |      | (45,161,446)                            | 24                                 | 5                         | 20%                                   |    | (705,805)              |
| 10. County - Audit Changes               | 6/30/2018           | 1,870,282              | 24   |      | 1,870,282                               | 24                                 | 5                         | 20%                                   |    | 29,230                 |
| 11. Novato - 2009 Extraordinary Loss     | 6/30/2009           | 14,765,994             | 30   |      | 15,798,058                              | 20                                 | N/A                       | 100%                                  |    | 1,145,586              |
| 12. Novato - Initial UAL                 | 6/30/2013           | 17,008,202             | 17   |      | 15,269,489                              | 12                                 | N/A                       | 100%                                  |    | 1,609,132              |
| 13. Novato - (Gain)/Loss Base            | 6/30/2014           | (22,114,107)           | 24   |      | (25,051,783)                            | 20                                 | 5                         | 100%                                  |    | (1,954,758)            |
| 14. Novato - Assumption Changes          | 6/30/2014           | 6,230,650              | 22   |      | 6,532,513                               | 18                                 | 3                         | 100%                                  |    | 530,137                |
| 15. Novato - (Gain)/Loss Base            | 6/30/2015           | 2,876,813              | 24   |      | 3,232,167                               | 21                                 | 5                         | 80%                                   |    | 197,232                |
| 16. Novato - (Gain)/Loss Base            | 6/30/2016           | 6,441,310              | 24   |      | 7,062,600                               | 22                                 | 5                         | 60%                                   |    | 321,026                |
| 17. Novato - (Gain)/Loss Base            | 6/30/2017           | (7,837,057)            | 24   |      | (8,258,955)                             | 23                                 | 5                         | 40%                                   |    | (252,311)              |
| 18. Novato - Assumption Changes          | 6/30/2017           | 4,583,960              | 22   |      | 4,785,830                               | 21                                 | 3                         | 67%                                   |    | 236,999                |
| 19. Novato - (Gain)/Loss Base            | 6/30/2018           | 1,668,937              | 24   |      | 1,668,937                               | 24                                 | 5                         | 20%                                   |    | 26,083                 |
| 20. Novato - Audit Changes               | 6/30/2018           | 14,052                 | 24   |      | 14,052                                  | 24                                 | 5                         | 20%                                   |    | 220                    |
| 21. San Rafael - 2009 Extraordinary Loss | 6/30/2009           | 34,997,031             | 30   |      | 37,443,138                              | 20                                 | N/A                       | 100%                                  |    | 2,715,164              |
| 22. San Rafael - Initial UAL             | 6/30/2013           | 124,305,953            | 17   |      | 111,598,414                             | 12                                 | N/A                       | 100%                                  |    | 11,760,479             |
| 23. San Rafael - (Gain)/Loss Base        | 6/30/2014           | (54,710,285)           | 24   |      | (61,978,093)                            | 20                                 | 5                         | 100%                                  |    | (4,836,069)            |
| 24. San Rafael - Assumption Changes      | 6/30/2014           | 30,608,707             | 22   |      | 32,091,640                              | 18                                 | 3                         | 100%                                  |    | 2,604,350              |
| 25. San Rafael - (Gain)/Loss Base        | 6/30/2015           | 8,187,631              | 24   |      | 9,198,995                               | 21                                 | 5                         | 80%                                   |    | 561,338                |
| 26. San Rafael - (Gain)/Loss Base        | 6/30/2016           | 18,955,168             | 24   |      | 20,783,470                              | 22                                 | 5                         | 60%                                   |    | 944,700                |
| 27. San Rafael - (Gain)/Loss Base        | 6/30/2017           | (19,744,705)           | 24   |      | (20,807,637)                            | 23                                 | 5                         | 40%                                   |    | (635,674)              |
| 28. San Rafael - Assumption Changes      | 6/30/2017           | 8,825,862              | 22   |      | 9,214,539                               | 21                                 | 3                         | 67%                                   |    | 456,313                |
| 29. San Rafael - (Gain)/Loss Base        | 6/30/2018           | (3,777,871)            | 24   |      | (3,777,871)                             | 24                                 | 5                         | 20%                                   |    | (59,042)               |
| 30. San Rafael - Audit Changes           | 6/30/2018           | 380,007                | 24   |      | 380,007                                 | 24                                 | 5                         | 20%                                   |    | 5,939                  |
| Total                                    |                     |                        |  | \$   | 366,439,869                             |                                    |                           |                                       | \$ | 37,736,463             |

The single equivalent amortization period - i.e., the length of time required to amortize the overall UAL as a level percentage of payroll based on the total current amortization payment - is approximately 12 years.



#### **SECTION IV – CONTRIBUTIONS**

Tables IV-3 through IV-6 present the calculation of employer contribution rates for each employer and Tier.

|   | County Misc   | <b>County Misc</b> | County Misc                           | County Misc                           | County Misc                 | County Miso                          | :                               |
|---|---------------|--------------------|---------------------------------------|---------------------------------------|-----------------------------|--------------------------------------|---------------------------------|
|   | Tier 1        | Tier 2             | Tier 3                                | Tier 3A                               | Tier 4                      | Tier 5                               | County M                        |
| A. Total Normal Cost Rate   | 21.11%        | 20.35%             | 19.88%                                | 21.40%                                | 20.52%                      | 17.65%                               | 19.26%                          |
| B. Member Contribution Rate (Excluding Admin Expense Load)  | <u>1.96</u> % | <u>8.82</u> %      | <u>9.05</u> %                         | <u>9.64</u> %                         | <u>8.58</u> %               | <u>8.79</u> %                        | <u>8.95</u> %                   |
| C. Employer Normal Cost Rate (A-B)  | 19.15%        | 11.53%             | 10.83%                                | 11.76%                                | 11.94%                      | 8.86%                                | 10.319                          |
| D. UAL Amortization Rate  | 8.69%         | 8.69%              | 8.69%                                 | 8.69%                                 | 8.69%                       | 8.69%                                | 8.69%                           |
| E. Administrative Expense Rate  | 1.39%         | <u>1.01%</u>       | 0.98%                                 | 1.02%                                 | <u>1.03%</u>                | 0.88%                                | 0.959                           |
| F. Net June 30, 2018 Contribution Rate (C+D+E)  | 29.23%        | 21.23%             | 20.50%                                | 21.47%                                | 21.66%                      | 18.43%                               | 19.95                           |
|   |               |                    |                                       |                                       |                             |                                      |                                 |
|   |               |                    | County Safety                         |                                       |                             | •                                    |                                 |
| A. T. (IV. 10 (P.)  |               |                    | Tier 2A                               | Tier 2B                               | Tier 3                      | Safety                               | / Safe                          |
|   |               |                    | <b>Tier 2A</b> 35.22%                 | <b>Tier 2B</b> 36.08%                 | <b>Tier 3</b> 27.78%        | <b>Safety</b> 34.04%                 | County 1 / Safe 22.26           |
| B. Member Contribution Rate (Excluding Admin Expense Load)  |               |                    | Tier 2A<br>35.22%<br>15.42%           | <b>Tier 2B</b> 36.08% 18.57%          | <b>Tier 3</b> 27.78% 13.75% | Safety<br>34.04%<br>16.93%           | / Safe<br>22.26<br><u>10.56</u> |
| B. Member Contribution Rate (Excluding Admin Expense Load)  |               |                    | <b>Tier 2A</b> 35.22%                 | <b>Tier 2B</b> 36.08%                 | <b>Tier 3</b> 27.78%        | <b>Safety</b> 34.04%                 | / Safe<br>22.26                 |
| B. Member Contribution Rate (Excluding Admin Expense Load) C. Employer Normal Cost Rate (A-B)   |               |                    | Tier 2A<br>35.22%<br>15.42%           | <b>Tier 2B</b> 36.08% 18.57%          | <b>Tier 3</b> 27.78% 13.75% | Safety<br>34.04%<br>16.93%           | / Safe<br>22.26<br><u>10.56</u> |
| A. Total Normal Cost Rate B. Member Contribution Rate (Excluding Admin Expense Load) C. Employer Normal Cost Rate (A-B) D. UAL Amortization Rate E. Administrative Expense Rate |               |                    | Tier 2A<br>35.22%<br>15.42%<br>19.80% | Tier 2B<br>36.08%<br>18.57%<br>17.51% | Tier 3 27.78% 13.75% 14.03% | Safety<br>34.04%<br>16.93%<br>17.11% |                                 |



#### **SECTION IV – CONTRIBUTIONS**

| Development of the Co   | unty Special Dis                    | Table IV-4<br>stricts Contribu                    |  | June 30, 2018 f  | or FYE 2020   |   |  |   |
|---|-------------------------------------|---|--|--|---|---|--|---|
| <ul> <li>A. Total Normal Cost Rate</li> <li>B. Member Contribution Rate (Excluding Admin Expense Load)</li> <li>C. Employer Normal Cost Rate (A-B)</li> </ul> | South Marin<br>Fire Misc<br>Tier 1* | South Marin Fire Misc Tier 2 21.18% 10.48% 10.70% | Tamalpais CSD Tier 1 25.88% 11.17% 14.71%                          | Tamalpais<br>CSD Tier 2<br>21.30%<br>10.48%<br>10.82%              | Marin City<br>CSD Tier 1<br>24.69%<br>11.57%<br>13.12%              | Marin City<br>CSD Tier 2<br>25.00%<br>10.48%<br>14.52%              | Mosquito District Tier 1 25.17% 9.98% 15.19%               | Mosquito District Tier 2 17.67% 10.48% 7.19%      |
| <ul> <li>D. UAL Amortization Rate</li> <li>E. Administrative Expense Rate</li> <li>F. Net June 30, 2018 Contribution Rate (C+D+E)</li> </ul>                  |                                     | 5.27%<br><u>0.80%</u><br><b>16.77%</b>            | 15.69%<br>1.52%<br>31.92%  | 15.69%<br>1.33%<br>27.84%  | 3.20%<br><u>0.82%</u><br><b>17.14%</b>                              | 3.20%<br><u>0.89%</u><br><b>18.61%</b>                              | 15.22%<br><u>1.52%</u><br><b>31.93%</b>                    | 15.22%<br>1.12%<br>23.53%                         |
| <ul><li>A. Total Normal Cost Rate</li><li>B. Member Contribution Rate (Excluding Admin Expense Load)</li><li>C. Employer Normal Cost Rate (A-B)</li></ul>     |                                     | LAFCO<br>Tier 3<br>21.89%<br>8.12%<br>13.77%      | South Marin<br>Fire Safety<br>Tier 1<br>41.61%<br>15.19%<br>26.42% | South Marin<br>Fire Safety<br>Tier 2<br>43.75%<br>14.96%<br>28.79% | South Marin<br>Fire Safety<br>Tier 2A<br>39.78%<br>12.82%<br>26.96% | South Marin<br>Fire Safety<br>Tier 3A<br>33.14%<br>16.57%<br>16.57% | Special<br>Districts<br>33.21%<br><u>12.89</u> %<br>20.32% | Total County<br>22.72%<br><u>10.62%</u><br>12.10% |
| D. UAL Amortization Rate E. Administrative Expense Rate F. Net June 30, 2018 Contribution Rate (C+D+E)  |                                     | 7.75%<br>1.08%<br>22.60%                          | 10.71%<br>1.86%<br>38.99%  | 10.71%<br>1.98%<br>41.48%  | 10.71%<br><u>1.89%</u><br><b>39.56%</b>                             | 10.71%<br>1.37%<br>28.65%   | 12.12%<br><u>1.63%</u><br>34.07%                           | 10.26%<br><u>1.12%</u><br>23.48%                  |

<sup>\*</sup> Rates for this group have been removed, as there are no longer any active members.



#### **SECTION IV – CONTRIBUTIONS**

| Development o   | f the Courts and                     | Table l<br>Novato Contrib                 |                                 | ns of June 30, 201          | 8 for FYE 2020              |  |   |                                      |   |
|---|--------------------------------------|---|---------------------------------|-----------------------------|-----------------------------|--|---|--------------------------------------|---|
|   |                                      |   |                                 | Courts                      | Courts                      | Courts   | Courts  | Courts                               | Courts                                  |
| A. T. (IN. 10 (P)   |                                      |   |                                 | Tier 1                      | Tier 2                      | Tier 3   | Tier 4  | Tier 5                               | Total                                   |
| A. Total Normal Cost Rate   |                                      |   |                                 | 17.51%                      | 16.69%                      | 19.60%   | 23.22%  | 17.91%                               | 19.37                                   |
| B. Member Contribution Rate (Excluding Admin Expense Load)  |                                      |   |                                 | 0.00%                       | 7.88%                       | 8.86%  | 10.33%  | <u>8.79</u> %                        | 8.839                                   |
| C. Employer Normal Cost Rate (A-B)  |                                      |   |                                 | 17.51%                      | 8.81%                       | 10.74%   | 12.89%  | 9.12%                                | 10.54                                   |
| D. UAL Amortization Rate  |                                      |   |                                 | 12.65%                      | 12.65%                      | 12.65%   | 12.65%  | 12.65%                               | 12.65                                   |
| E. Administrative Expense Rate  |                                      |   |                                 | 1.51%                       | 1.08%                       | 1.17%  | 1.28%   | 1.09%                                | 1.16                                    |
| F. Net June 30, 2018 Contribution Rate (C+D+E)  |                                      |   |                                 | 31.67%                      | 22.54%                      | 24.56%   | 26.82%  | 22.86%                               | 24.35                                   |
|   |                                      |   |                                 |                             |                             |  |   |                                      |   |
|   |                                      |   |                                 |                             |                             | <b>N</b> (                                     | N   |                                      |   |
|   | Novete Mise                          | Novoto Mico                               | Novato                          | Novata Cafaty               | Navata Cafaty               | Novato   | Novato  | Nougto                               |   |
|   | Novato Misc                          |   | Novato                          | •                           | Novato Safety               | Safety   | Safety  | Novato                               | Nova                                    |
|   | Tier 1                               | Tier 2A                                   | Misc                            | Tier 1                      | Tier 2                      | Safety<br>Tier 3                               | Safety<br>Tier 3A                               | Safety                               | Nova<br>Tota                            |
|   | <b>Tier 1</b> 23.07%                 | <b>Tier 2A</b> 19.97%                     | <b>Misc</b> 22.49%              | <b>Tier 1</b> 41.29%        | <b>Tier 2</b> 44.14%        | Safety<br>Tier 3<br>32.31%                     | Safety<br>Tier 3A<br>27.67%                     | <b>Safety</b> 40.30%                 | Nova<br>Tota<br>38.53                   |
| B. Member Contribution Rate (Excluding Admin Expense Load)  | Tier 1<br>23.07%<br>10.00%           | <b>Tier 2A</b><br>19.97%<br><u>8.79</u> % | <i>Misc</i> 22.49% 9.79%        | Tier 1<br>41.29%<br>15.26%  | Tier 2<br>44.14%<br>15.50%  | Safety<br>Tier 3<br>32.31%<br>16.16%           | <b>Safety Tier 3A</b> 27.67% 13.75%             | Safety<br>40.30%<br>15.32%           | Nova<br>Tota<br>38.53<br>14.76          |
| B. Member Contribution Rate (Excluding Admin Expense Load)  | <b>Tier 1</b> 23.07%                 | <b>Tier 2A</b> 19.97%                     | <b>Misc</b> 22.49%              | <b>Tier 1</b> 41.29%        | <b>Tier 2</b> 44.14%        | Safety<br>Tier 3<br>32.31%                     | Safety<br>Tier 3A<br>27.67%                     | <b>Safety</b> 40.30%                 | Nova<br>Tota                            |
| B. Member Contribution Rate (Excluding Admin Expense Load) C. Employer Normal Cost Rate (A-B)   | Tier 1<br>23.07%<br>10.00%<br>13.07% | <b>Tier 2A</b> 19.97% 8.79% 11.18%        | <i>Misc</i> 22.49% 9.79% 12.70% | Tier 1 41.29% 15.26% 26.03% | Tier 2 44.14% 15.50% 28.64% | Safety<br>Tier 3<br>32.31%<br>16.16%<br>16.15% | Safety<br>Tier 3A<br>27.67%<br>13.75%<br>13.92% | Safety<br>40.30%<br>15.32%<br>24.98% | Nove<br>Tota<br>38.53<br>14.76<br>23.77 |
| A. Total Normal Cost Rate B. Member Contribution Rate (Excluding Admin Expense Load) C. Employer Normal Cost Rate (A-B) D. UAL Amortization Rate E. Administrative Expense Rate | Tier 1<br>23.07%<br>10.00%           | <b>Tier 2A</b><br>19.97%<br><u>8.79</u> % | <i>Misc</i> 22.49% 9.79%        | Tier 1<br>41.29%<br>15.26%  | Tier 2<br>44.14%<br>15.50%  | Safety<br>Tier 3<br>32.31%<br>16.16%           | <b>Safety Tier 3A</b> 27.67% 13.75%             | Safety<br>40.30%<br>15.32%           | Nova<br>Tota<br>38.53<br>14.76          |



#### **SECTION IV – CONTRIBUTIONS**

| Development of the S                                       |              | able IV-6<br>oution Rates as o | of June 30, 2018 | 8 for FYE 2020 |               |                |               |
|--|--------------|--------------------------------|------------------|----------------|---------------|----------------|---------------|
|  |              |                                |                  | San Rafael     | San Rafael    | San Rafael     | San Rafael    |
|  |              |                                |                  | Misc Tier 1    | Misc Tier 2   | Misc Tier 3    | Misc          |
| A. Total Normal Cost Rate                                  |              |                                |                  | 27.39%         | 22.94%        | 16.72%         | 23.41%        |
| B. Member Contribution Rate (Excluding Admin Expense Load) |              |                                |                  | <u>11.76</u> % | <u>8.30</u> % | <u>8.79</u> %  | <i>10.47%</i> |
| C. Employer Normal Cost Rate (A-B)                         |              |                                |                  | 15.63%         | 14.64%        | 7.93%          | 12.94%        |
| D. UAL Amortization Rate                                   |              |                                |                  | 32.87%         | 32.87%        | 32.87%         | 32.87%        |
| E. Administrative Expense Rate                             |              |                                |                  | 2.43%          | 2.38%         | 2.04%          | <u>2.30%</u>  |
| F. Net June 30, 2018 Contribution Rate (C+D+E)             |              |                                |                  | 50.93%         | 49.89%        | 42.84%         | 48.11%        |
|  | San Rafael   | San Rafael                     | San Rafael       | San Rafael     | San Rafael    | San Rafael     | San Rafael    |
|  | Fire Tier 1  | Police Tier 1                  | Fire Tier 2      | Police Tier 2  | Safety Tier 3 | Safety         | Total         |
| A. Total Normal Cost Rate                                  | 38.40%       | 37.16%                         | 34.17%           | 36.10%         | 26.85%        | 34.87%         | 29.12%        |
| B. Member Contribution Rate (Excluding Admin Expense)      | 14.64%       | 14.08%                         | 12.24%           | 13.34%         | 13.75%        | <u>13.86</u> % | <u>12.19%</u> |
| C. Employer Normal Cost Rate (A-B)                         | 23.76%       | 23.08%                         | 21.93%           | 22.76%         | 13.10%        | 21.01%         | 16.93%        |
| D. UAL Amortization Rate                                   | 43.21%       | 43.21%                         | 43.21%           | 43.21%         | 43.21%        | 43.21%         | 37.99%        |
| E. Administrative Expense Rate                             | <u>3.36%</u> | 3.32%                          | 3.26%            | 3.31%          | 2.82%         | <u>3.22%</u>   | <u>2.75%</u>  |
| F. Net June 30, 2018 Contribution Rate (C+D+E)             | 70.33%       | 69.61%                         | 68.40%           | 69.28%         | 59.13%        | 67.44%         | 57.67%        |



#### **SECTION IV - CONTRIBUTIONS**

The following table shows the contribution rates for the new benefit Tiers for those employers that did not have any active members in those Tiers as of June 30, 2018. The normal cost rates for these Tiers are based on the pooled demographic profiles of the employers with current active PEPRA members.

| Table IV-7  Development of Contribution Rates for New Tiers with No Active | Members as of June 3 | 30, 2018 for FYE 2                   | 2020                     |
|--|----------------------|--------------------------------------|--------------------------|
|  | LAFCO<br>Tier 4      | South Marin<br>Fire Safety<br>Tier 3 | Novato<br>Misc<br>Tier 2 |
| A. Total Normal Cost Rate  | 17.57%               | 32.31%                               | 20.96%                   |
| B. Member Contribution Rate (Excluding Admin Expense Load)                 | 8.79%                | 16.16%                               | 10.48%                   |
| C. Employer Normal Cost Rate (A-B)   | 8.78%                | 16.15%                               | 10.48%                   |
| D. UAL Amortization Rate   | 7.75%                | 10.71%                               | 6.02%                    |
| E. Administrative Expense Rate   | 0.83%                | 1.35%                                | 0.83%                    |
| F. Net June 30, 2018 Contribution Rate (C+D+E)                             | 17.36%               | 28.21%                               | 17.33%                   |



#### **SECTION IV - CONTRIBUTIONS**

Table IV-8 contains a comparison of the employer contribution rates for each employer and Tier to the prior year rates, as well as the number of active members in each Tier as of June 30, 2018.

|            | Table IV-8                                       |                     |                         |                         |  |
|------------|--|---------------------|-------------------------|-------------------------|--|
| Plan       | Group  | # of Active Members | 2017                    | 2018                    |  |
| County     | County Misc Tier 1                               | 7                   | 30.96%                  | 29.23%                  |  |
|            | County Misc Tier 2                               | 39                  | 22.86%                  | 21.23%                  |  |
|            | County Misc Tier 3                               | 758                 | 21.93%                  | 20.50%                  |  |
|            | County Misc Tier 3A                              | 99                  | 22.92%                  | 21.47%                  |  |
|            | County Misc Tier 4                               | 143                 | 22.97%                  | 21.66%                  |  |
|            | County Misc Tier 5 (PEPRA)                       | 691                 | 20.06%                  | 18.43%                  |  |
|            | County Misc                                      | 1,737               | 21.69%                  | 19.95%                  |  |
|            | County Safety Tier 1A                            | 1                   | 18.77%                  | 16.25%                  |  |
|            | County Safety Tier 2A                            | 52                  | 39.73%                  | 37.04%                  |  |
|            | County Safety Tier 2B                            | 203                 | 37.06%                  | 34.63%                  |  |
|            | County Safety Tier 3 (PEPRA)                     | 102                 | 33.09%                  | 30.98%                  |  |
|            | County Safety                                    | 358                 | 36.82%                  | 34.21%                  |  |
|            | County Misc/Safety                               | 2,095               | 24.80%                  | 22.86%                  |  |
|            | Courts Tier 1                                    | 1                   | 33.65%                  | 31.67%                  |  |
|            | Courts Tier 2                                    | 1                   | 24.65%                  | 22.54%                  |  |
|            | Courts Tier 3                                    | 64                  | 26.66%                  | 24.56%                  |  |
|            | Courts Tier 4                                    | 5                   | 28.48%                  | 26.82%                  |  |
|            | Courts Tier 5 (PEPRA)                            | 27                  | 25.46%                  | 22.86%                  |  |
|            | Courts   | 98                  | 26.60%                  | 24.35%                  |  |
|            | South Marin Fire Misc Tier 1                     | 0                   | N/A                     | N/A                     |  |
|            | South Marin Fire Misc Tier 2 (PEPRA)             | 3                   | 18.12%                  | 16.77%                  |  |
|            | South Marin Fire Safety Tier 1                   | 15                  | 40.03%                  | 38.99%                  |  |
|            | South Marin Fire Safety Tier 2                   | 24                  | 43.43%                  | 41.48%                  |  |
|            | South Marin Fire Safety Tier 2A                  | 2                   | 39.51%                  | 39.56%                  |  |
|            | South Marin Fire Safety Tier 3A (PEPRA)          | 9                   | 28.82%                  | 28.65%                  |  |
|            | Mosquito District Tier 1                         | 28                  | 33.22%                  | 31.93%                  |  |
|            | Mosquito District Tier 2 (PEPRA)                 | 4                   | 25.71%                  | 23.53%                  |  |
|            | LAFCO Tier 3                                     | 1                   | 18.32%                  | 22.60%                  |  |
|            | LAFCO Tier 4 (PEPRA)                             | 0                   | N/A                     | N/A                     |  |
|            | Tamalpais CSD Tier 1                             | 8                   | 35.21%                  | 31.92%                  |  |
|            | Tamalpais CSD Tier 2 (PEPRA)                     | 5<br>3              | 30.14%                  | 27.84%                  |  |
|            | Marin City CSD Tier 1                            | 3<br>4              | 19.57%                  | 17.14%                  |  |
|            | Marin City CSD Tier 2 (PEPRA)  Special Districts | 106                 | 18.00%<br><b>35.28%</b> | 18.61%<br><b>34.07%</b> |  |
|            | Total County                                     | 2,299               | 25.32%                  | 23.48%                  |  |
|            | Total County                                     | 2,299               | 23.32 /0                | 23.40 /0                |  |
| Novato     | Novato Misc Tier 1                               | 6                   | 20.11%                  | 20.05%                  |  |
|            | Novato Misc Tier 2A (PEPRA)                      | 3                   | 18.07%                  | 18.06%                  |  |
|            | Novato Safety Tier 1                             | 49                  | 53.25%                  | 49.32%                  |  |
|            | Novato Safety Tier 2                             | 7                   | 54.99%                  | 52.06%                  |  |
|            | Novato Safety Tier 3 (PEPRA)                     | 6                   | 41.42%                  | 38.95%                  |  |
|            | Novato Safety Tier 3A (PEPRA)                    | 3                   | 39.08%                  | 36.61%                  |  |
|            | Total Novato                                     | 74                  | 49.05%                  | 45.40%                  |  |
| San Rafael | San Rafael Misc Tier 1                           | 118                 | 53.34%                  | 50.93%                  |  |
|            | San Rafael Misc Tier 2                           | 17                  | 52.40%                  | 49.89%                  |  |
|            | San Rafael Misc Tier 3 (PEPRA)                   | 83                  | 45.39%                  | 42.84%                  |  |
|            | San Rafael Misc                                  | 218                 | 51.47%                  | 48.11%                  |  |
|            | San Rafael Fire Tier 1                           | 37                  | 74.94%                  | 70.33%                  |  |
|            | San Rafael Police Tier 1                         | 42                  | 74.30%                  | 69.61%                  |  |
|            | San Rafael Fire Tier 2                           | 15                  | 72.55%                  | 68.40%                  |  |
|            | San Rafael Police Tier 2                         | 6                   | 73.49%                  | 69.28%                  |  |
|            | San Rafael Safety Tier 3 (PEPRA)                 | 41                  | 63.06%                  | 59.13%                  |  |
| I          | San Rafael Safety                                | 141                 | 72.43%                  | 67.44%                  |  |
|            | Total San Rafael                                 | 359                 | 61.76%                  | 57.67%                  |  |



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

The data for this valuation was provided by MCERA as of June 30, 2018. Cheiron did not audit any of the data; however, it was reviewed to ensure that it complies with generally accepted actuarial standards.

Data pertaining to active and inactive Members and their beneficiaries as of the valuation date was supplied by the Plan Administrator on electronic media. As is usual in studies of this type, Member data was neither verified nor audited.



| Participant Data as of Jun | e 30, 2018: Co       | inty of Ma |           |           |           |           |           |           |           |               |           |           | TD ( )    |           |
|----------------------------|----------------------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------------|-----------|-----------|-----------|-----------|
|                            | 3.61                 |            | Marin Co  |           |           |           |           |           |           | ial Districts | <b></b>   |           | Total Co  |           |
|                            | Miscelland 6/30/2017 |            | Saf       | 6/30/2018 | Tot       |           | Miscell   |           | Saf       |               | To:       |           | Special I |           |
| Active Participants        | 0/30/2017            | 0/30/2010  | 0/30/2017 | 0/30/2010 | 0/30/2017 | 0/30/2010 | 0/30/2017 | 0/30/2010 | 0/30/2017 | 0/30/2010     | 0/30/2017 | 0/30/2010 | 0/30/2017 | 0/30/2010 |
| Number                     | 1.700                | 1.737      | 355       | 358       | 2.055     | 2.095     | 157       | 154       | 51        | 50            | 208       | 204       | 2,263     | 2,299     |
| Average Age                | 48.51                | 48.09      | 40.51     | 40.80     | 47.13     | 46.84     | 49.93     | 49.86     | 42.14     | 42.85         | 48.02     | 48.14     | 47.21     | 46.96     |
| Average Service            | 10.31                | 9.94       | 10.88     | 11.28     | 10.40     | 10.17     | 12.15     | 11.95     | 8.74      | 9.82          | 11.31     | 11.43     | 10.49     | 10.28     |
| Average Pay*               | \$86,629             | \$89,573   | \$106,754 | \$110,577 | \$90,105  | \$93,162  | \$77,901  | \$79,112  | \$104,088 | \$114,215     | \$84,322  | \$87,716  | \$89,574  | \$92,679  |
| Average I ay               | \$60,029             | \$69,373   | \$100,734 | \$110,577 | \$90,103  | \$93,102  | \$77,901  | \$79,112  | \$104,000 | \$114,213     | \$64,322  | \$67,710  | \$69,574  | \$92,075  |
| Service Retired            |                      |            |           |           |           |           |           |           |           |               |           |           |           |           |
| Number                     | 1,481                | 1,544      | 251       | 261       | 1,732     | 1,805     | 123       | 134       | 24        | 28            | 147       | 162       | 1,879     | 1,967     |
| Average Age                | 72.41                | 72.44      | 63.94     | 64.30     | 71.18     | 71.26     | 67.86     | 68.08     | 63.38     | 63.15         | 67.13     | 67.23     | 70.86     | 70.93     |
| Average Total Benefit*     | \$36,565             | \$37,648   | \$69,425  | \$69,084  | \$41,327  | \$42,194  | \$37,330  | \$38,058  | \$74,662  | \$68,112      | \$43,425  | \$43,252  | \$41,491  | \$42,281  |
| Beneficiaries              |                      |            |           |           |           |           |           |           |           |               |           |           |           |           |
| Number                     | 264                  | 270        | 65        | 69        | 329       | 339       | 13        | 15        | 10        | 10            | 23        | 25        | 352       | 364       |
| Average Age                | 74.76                | 74.84      | 69.21     | 69.04     | 73.67     | 73.66     | 65.49     | 66.86     | 65.59     | 66.59         | 65.54     | 66.75     | 73.13     | 73.18     |
| Average Total Benefit*     | \$23,993             | \$25,134   | \$39,304  | \$41,203  | \$27,018  | \$28,404  | \$14,893  | \$17,215  | \$41,945  | \$43,240      | \$26,655  | \$27,625  | \$26,994  | \$28,351  |
| Duty Disabled              |                      |            |           |           |           |           |           |           |           |               |           |           |           |           |
| Number                     | 86                   | 85         | 105       | 104       | 191       | 189       | 4         | 4         | 17        | 17            | 21        | 21        | 212       | 210       |
| Average Age                | 67.39                | 68.25      | 62.26     | 63.19     | 64.57     | 65.46     | 66.11     | 67.11     | 65.31     | 66.31         | 65.46     | 66.46     | 64.66     | 65.56     |
| Average Total Benefit*     | \$36,545             | \$37,561   | \$52,215  | \$53,655  | \$45,159  | \$46,417  | \$20,975  | \$21,530  | \$54,097  | \$55,720      | \$47,788  | \$49,208  | \$45,420  | \$46,696  |
| Ordinary Disabled          |                      |            |           |           |           |           |           |           |           |               |           |           |           |           |
| Number                     | 29                   | 30         | 6         | 7         | 35        | 37        | 2         | 2         | 1         | 1             | 3         | 3         | 38        | 40        |
| Average Age                | 70.43                | 70.27      | 56.58     | 57.85     | 68.06     | 67.92     | 62.85     | 63.85     | 57.93     | 58.93         | 61.21     | 62.21     | 67.52     | 67.49     |
| Average Total Benefit*     | \$21,330             | \$21,220   | \$51,798  | \$63,339  | \$26,553  | \$29,188  | \$24,867  | \$25,364  | \$71,260  | \$73,398      | \$40,331  | \$41,375  | \$27,641  | \$30,102  |
| Total In Pay               |                      |            |           |           |           |           |           |           |           |               |           |           |           |           |
| Number                     | 1,860                | 1,929      | 427       | 441       | 2,287     | 2,370     | 142       | 155       | 52        | 56            | 194       | 211       | 2,481     | 2,581     |
| Average Age                | 72.48                | 72.56      | 64.23     | 64.68     | 70.94     | 71.09     | 67.53     | 67.88     | 64.33     | 64.65         | 66.67     | 67.02     | 70.60     | 70.76     |
| Average Total Benefit*     | \$34,542             | \$35,637   | \$60,360  | \$60,992  | \$39,362  | \$40,355  | \$34,639  | \$35,450  | \$61,582  | \$60,003      | \$41,861  | \$41,967  | \$39,558  | \$40,487  |
| Terminated Vested          |                      |            |           |           |           |           |           |           |           |               |           |           |           |           |
| Number                     | 194                  | 188        | 18        | 20        | 212       | 208       | 20        | 18        | 2         | 2             | 22        | 20        | 234       | 228       |
| Average Age                | 49.70                | 50.14      | 45.06     | 45.10     | 49.31     | 49.66     | 45.71     | 44.90     | 50.70     | 51.70         | 46.16     | 45.58     | 49.01     | 49.30     |
| Average Service            | 7.64                 | 7.65       | 7.50      | 7.37      | 7.63      | 7.62      | 8.65      | 9.16      | 3.10      | 3.10          | 8.14      | 8.55      | 7.68      | 7.70      |
| Transfers                  |                      |            |           |           |           |           |           |           |           |               |           |           |           |           |
| Number                     | 191                  | 187        | 64        | 59        | 255       | 246       | 23        | 23        | 14        | 11            | 37        | 34        | 292       | 280       |
| Average Age                | 49.86                | 49.96      | 45.23     | 45.55     | 48.70     | 48.90     | 50.79     | 50.99     | 46.42     | 45.26         | 49.14     | 49.14     | 48.76     | 48.93     |
| Average Service            | 5.15                 | 4.98       | 4.49      | 4.15      | 4.98      | 4.78      | 4.87      | 4.86      | 5.11      | 5.31          | 4.96      | 5.00      | 4.98      | 4.81      |
| Total Inactive             |                      |            |           |           |           |           |           |           |           |               |           |           |           |           |
| Number                     | 385                  | 375        | 82        | 79        | 467       | 454       | 43        | 41        | 16        | 13            | 59        | 54        | 526       | 508       |
| Average Age                | 49.78                | 50.05      | 45.19     | 45.44     | 48.98     | 49.25     | 48.43     | 48.32     | 46.96     | 46.25         | 48.03     | 47.82     | 48.87     | 49.10     |
| Average Service            | 6.40                 | 6.32       | 5.15      | 4.97      | 6.18      | 6.08      | 6.63      | 6.75      | 4.86      | 4.97          | 6.15      | 6.32      | 6.18      | 6.11      |

<sup>\*</sup>All payroll and benefit figures shown are annual.



|                                    | Tie       | r 1       | Tie      | r 2      | Tie      | r 3      | Tier     | 3A       | Tie       | r 4      | Tie      | r 5     |
|------------------------------------|-----------|-----------|----------|----------|----------|----------|----------|----------|-----------|----------|----------|---------|
|                                    | Miscell   | aneous    | Miscell  | aneous   | Miscell  | aneous   | Miscella | aneous   | Miscell   | aneous   | Miscell  | aneous  |
|                                    |           |           |          |          |          |          |          |          | 6/30/2017 |          |          |         |
| Active Participants                |           |           |          |          |          |          |          |          |           |          |          |         |
| Number                             | 10        | 7         | 43       | 39       | 833      | 758      | 108      | 99       | 136       | 143      | 570      | 69      |
| Average Age                        | 66.06     | 67.52     | 63.12    | 63.81    | 53.63    | 53.91    | 47.90    | 48.26    | 45.43     | 46.12    | 40.49    | 41.0    |
| Average Service                    | 34.22     | 37.15     | 19.59    | 20.07    | 16.46    | 17.02    | 7.50     | 8.36     | 3.95      | 4.57     | 2.24     | 2.6     |
| Average Pay*                       | \$116,854 | \$121,642 | \$76,514 | \$82,402 | \$93,693 | \$96,793 | \$94,120 | \$99,283 | \$88,082  | \$95,326 | \$74,772 | \$79,15 |
| Service Retired                    |           |           |          |          |          |          |          |          |           |          |          |         |
| Number                             | 535       | 514       | 247      | 239      | 692      | 776      | 5        | 8        | 1         | 3        | 1        |         |
|                                    | 77.68     | 78.21     | 77.68    | 78.25    | 66.54    | 66.97    | 62.14    | 64.36    | 62.47     | 66.19    | 0.00     | 66.2    |
| Average Age Average Total Benefit* | \$49,403  | \$51,576  | \$22,568 | \$23,398 | \$31,888 | \$33,297 | \$11,075 | \$14,813 | \$11,253  | \$12,341 | \$0      | \$8,10  |
|                                    | Ψ15,105   | ψ51,570   | Ψ22,300  | Ψ23,370  | Ψ51,000  | Ψ33,277  | Ψ11,075  | φ1 1,013 | Ψ11,233   | Ψ12,511  | ΨΟ       | ψ0,10.  |
| Beneficiaries                      |           | _         |          |          |          |          | _        |          |           |          |          |         |
| Number                             | 167       | 161       | 48       | 50       | 49       | 59       | 0        | 0        | 0         | 0        | 0        | (       |
| Average Age                        | 79.77     | 80.02     | 71.93    | 72.82    | 60.47    | 62.41    | 0.00     | 0.00     | 0.00      | 0.00     | 0.00     | 0.0     |
| Average Total Benefit*             | \$27,495  | \$29,237  | \$14,590 | \$15,013 | \$21,268 | \$22,513 | \$0      | \$0      | \$0       | \$0      | \$0      | \$0     |
| Duty Disabled                      |           |           |          |          |          |          |          |          |           |          |          |         |
| Number                             | 22        | 22        | 29       | 28       | 35       | 35       | 0        | 0        | 0         | 0        | 0        | (       |
| Average Age                        | 73.89     | 75.03     | 66.62    | 67.86    | 63.94    | 64.29    | 0.00     | 0.00     | 0.00      | 0.00     | 0.00     | 0.00    |
| Average Total Benefit*             | \$40,021  | \$41,236  | \$28,619 | \$29,461 | \$40,927 | \$41,731 | \$0      | \$0      | \$0       | \$0      | \$0      | \$0     |
| Ordinary Disabled                  |           |           |          |          |          |          |          |          |           |          |          |         |
| Number                             | 11        | 10        | 11       | 11       | 7        | 8        | 0        | 1        | 0         | 0        | 0        | (       |
| Average Age                        | 73.09     | 74.37     | 71.68    | 72.68    | 64.31    | 62.79    | 0.00     | 0.00     | 0.00      | 0.00     | 0.00     | 0.0     |
| Average Total Benefit*             | \$24,542  | \$25,800  | \$18,034 | \$18,395 | \$21,463 | \$19,442 | \$0      | \$0      | \$0       | \$0      | \$0      | \$(     |
| Tradata Dana                       |           |           |          |          |          |          |          |          |           |          |          |         |
| Total In Pay                       | =0.5      | =0=       | 22.5     | 220      | =00      | 0.50     | _        |          |           |          |          |         |
| Number                             | 735       | 707       | 335      | 328      | 783      | 878      | 5        | 9        | 1         | 3        | 1        |         |
| Average Age                        | 77.98     | 78.47     | 75.70    | 76.35    | 66.02    | 66.52    | 62.14    | 57.21    | 62.47     | 66.19    | 0.00     | 66.2    |
| Average Total Benefit*             | \$43,773  | \$45,803  | \$21,800 | \$22,470 | \$31,534 | \$32,782 | \$11,075 | \$13,167 | \$11,253  | \$12,341 | \$0      | \$8,10  |
| Terminated Vested                  |           |           |          |          |          |          |          |          |           |          |          |         |
| Number                             | 3         | 2         | 3        | 3        | 160      | 151      | 19       | 19       | 7         | 10       | 2        |         |
| Average Age                        | 70.63     | 76.35     | 62.50    | 63.50    | 50.12    | 50.85    | 42.06    | 42.87    | 44.70     | 42.45    | 55.63    | 55.39   |
| Average Service                    | 4.77      | 5.95      | 5.42     | 5.42     | 8.10     | 8.22     | 6.28     | 6.07     | 2.63      | 3.15     | 8.64     | 7.52    |
| Transfers                          |           |           |          |          |          |          |          |          |           |          |          |         |
| Number                             | 1         | 2         | 7        | 5        | 158      | 148      | 12       | 12       | 5         | 4        | 8        | 10      |
| Average Age                        | 65.12     | 63.01     | 59.37    | 59.06    | 50.55    | 50.88    | 44.92    | 45.92    | 43.20     | 41.33    | 37.74    | 42.14   |
| Average Service                    | 0.25      | 0.46      | 2.41     | 2.97     | 5.68     | 5.64     | 3.76     | 3.76     | 1.75      | 1.53     | 1.86     | 1.88    |
| Total Incating                     |           |           |          |          |          |          |          |          |           |          |          |         |
| Total Inactive                     |           |           |          |          | 210      | 200      |          |          |           |          |          |         |
| Number                             | 4         | 4         | 10       | 8        | 318      | 299      | 31       | 31       | 12        | 14       | 10       | 1       |
| Average Age                        | 69.26     | 69.68     | 60.31    | 60.73    | 50.33    | 50.87    | 43.16    | 44.05    | 44.07     | 42.13    | 41.32    | 44.2    |
| Average Service                    | 3.64      | 3.20      | 3.32     | 3.89     | 6.90     | 6.94     | 5.30     | 5.17     | 2.27      | 2.69     | 3.21     | 2.7     |



|                        | Tier      | 1A        | Tier      | 2A        | Tier      | · 1B      | Tier      | · 2B      | Tie       | r 3       |
|------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
|                        | Saf       | ety       |
|                        | 6/30/2017 | 6/30/2018 | 6/30/2017 | 6/30/2018 | 6/30/2017 | 6/30/2018 | 6/30/2017 | 6/30/2018 | 6/30/2017 | 6/30/2018 |
| Active Participants    |           |           |           |           |           |           |           |           |           |           |
| Number                 | 1         | 1         | 55        | 52        | 0         | 0         | 208       | 203       | 91        | 102       |
| Average Age            | 69.91     | 70.91     | 46.91     | 47.23     | 0.00      | 0.00      | 43.27     | 43.84     | 30.01     | 31.13     |
| Average Service        | 32.31     | 33.31     | 13.67     | 14.34     | 0.00      | 0.00      | 13.81     | 14.58     | 2.24      | 2.9:      |
| Average Pay*           | \$222,314 | \$236,212 | \$102,206 | \$106,261 | \$0       | \$0       | \$118,265 | \$122,756 | \$81,919  | \$87,308  |
| Service Retired        |           |           |           |           |           |           |           |           |           |           |
| Number                 | 66        | 64        | 29        | 32        | 31        | 30        | 125       | 135       | 0         |           |
| Average Age            | 73.95     | 74.69     | 65.45     | 65.96     | 63.91     | 65.08     | 58.32     | 58.81     | 0.00      | 0.0       |
| Average Total Benefit* | \$78,520  | \$80,920  | \$44,108  | \$43,402  | \$99,146  | \$102,031 | \$63,126  | \$62,239  | \$0       | \$0       |
| Beneficiaries          |           |           |           |           |           |           |           |           |           |           |
| Number                 | 45        | 45        | 5         | 6         | 3         | 4         | 12        | 14        | 0         | (         |
| Average Age            | 74.68     | 74.86     | 59.37     | 61.49     | 52.62     | 55.78     | 56.95     | 57.35     | 0.00      | 0.00      |
| Average Total Benefit* | \$41,946  | \$43,225  | \$36,139  | \$34,093  | \$14,415  | \$26,856  | \$36,941  | \$41,847  | \$0       | \$0       |
| Duty Disabled          |           |           |           |           |           |           |           |           |           |           |
| Number                 | 38        | 37        | 26        | 26        | 6         | 6         | 35        | 35        | 0         | (         |
| Average Age            | 73.09     | 74.16     | 57.91     | 58.91     | 62.01     | 63.01     | 53.77     | 54.80     | 0.00      | 0.00      |
| Average Total Benefit* | \$52,591  | \$54,587  | \$38,510  | \$39,280  | \$109,567 | \$112,854 | \$52,156  | \$53,199  | \$0       | \$0       |
| Ordinary Disabled      |           |           |           |           |           |           |           |           |           |           |
| Number                 | 1         | 1         | 2         | 2         | 0         | 0         | 3         | 4         | 0         | (         |
| Average Age            | 70.72     | 71.72     | 55.37     | 56.37     | 0.00      | 0.00      | 52.68     | 55.13     | 0.00      | 0.00      |
| Average Total Benefit* | \$25,201  | \$25,957  | \$30,693  | \$31,307  | \$0       | \$0       | \$74,733  | \$88,701  | \$0       | \$0       |
| Total In Pay           |           |           |           |           |           |           |           |           |           |           |
| Number                 | 150       | 147       | 62        | 66        | 40        | 40        | 175       | 188       | 0         | (         |
| Average Age            | 73.93     | 74.59     | 61.47     | 62.48     | 62.78     | 63.84     | 57.22     | 57.87     | 0.00      | 0.00      |
| Average Total Benefit* | \$60,624  | \$62,379  | \$40,685  | \$40,566  | \$94,354  | \$96,137  | \$59,335  | \$59,600  | \$0       | \$0       |
| Terminated Vested      |           |           |           |           |           |           |           |           |           |           |
| Number                 | 0         | 0         | 8         | 9         | 0         | 0         | 10        | 11        | 0         | (         |
| Average Age            | 0.00      | 0.00      | 44.91     | 45.21     | 0.00      | 0.00      | 45.18     | 45.01     | 0.00      | 0.00      |
| Average Service        | 0.00      | 0.00      | 9.45      | 9.56      | 0.00      | 0.00      | 5.94      | 5.58      | 0.00      | 0.00      |
| Transfers              |           |           |           |           |           |           |           |           |           |           |
| Number                 | 0         | 0         | 8         | 7         | 0         | 0         | 55        | 50        | 1         | 2         |
| Average Age            | 0.00      | 0.00      | 42.51     | 42.45     | 0.00      | 0.00      | 45.81     | 46.41     | 35.11     | 35.05     |
| Average Service        | 0.00      | 0.00      | 4.57      | 4.38      | 0.00      | 0.00      | 4.56      | 4.28      | 0.02      | 0.11      |
| Total Inactive         |           |           |           |           |           |           |           |           |           |           |
| Number                 | 0         | 0         | 16        | 16        | 0         | 0         | 65        | 61        | 1         | -         |
| Average Age            | 0.00      | 0.00      | 43.71     | 44.01     | 0.00      | 0.00      | 45.71     | 46.16     | 35.11     | 35.0      |
| Average Service        | 0.00      | 0.00      | 7.01      | 7.29      | 0.00      | 0.00      | 4.77      | 4.52      | 0.02      | 0.1       |



|                        | Court T  | Tier 1    | Court 7   | lier 2    | Court 7   | lier 3    | Court 7   | ier 4     | Court    | Tier 5    |           |          |
|------------------------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------|-----------|-----------|----------|
|                        | Miscella |           | Miscella  |           | Miscella  |           | Miscella  |           | Miscell  |           | To        | tal      |
|                        |          | 6/30/2018 | 6/30/2017 | 6/30/2018 | 6/30/2017 | 6/30/2018 | 6/30/2017 | 6/30/2018 |          | 6/30/2018 | 6/30/2017 |          |
| Active Participants    |          |           |           |           |           |           |           |           |          |           |           |          |
| Number                 | 1        | 1         | 1         | 1         | 70        | 64        | 4         | 5         | 25       | 27        | 101       | 98       |
| Average Age            | 60.00    | 61.00     | 49.60     | 50.60     | 52.68     | 52.54     | 51.47     | 51.34     | 40.22    | 40.73     | 49.59     | 49.29    |
| Average Service        | 35.37    | 36.37     | 16.02     | 17.03     | 16.27     | 17.46     | 8.56      | 8.04      | 1.37     | 2.18      | 12.46     | 12.96    |
| Average Pay*           | \$99,801 | \$100,796 | \$57,077  | \$57,642  | \$75,055  | \$75,411  | \$69,538  | \$84,950  | \$59,711 | \$63,788  | \$71,105  | \$72,773 |
| Service Retired        |          |           |           |           |           |           |           |           |          |           |           |          |
| Number                 | 18       | 18        | 11        | 11        | 64        | 70        | 0         | 0         | 0        | 0         | 93        | 99       |
| Average Age            | 69.93    | 70.93     | 78.05     | 79.05     | 65.98     | 66.45     | 0.00      | 0.00      | 0.00     | 0.00      | 68.17     | 68.67    |
| Average Total Benefit* | \$67,023 | \$69,034  | \$36,307  | \$37,033  | \$28,111  | \$27,804  | \$0       | \$0       | \$0      | \$0       | \$36,612  | \$36,326 |
| Beneficiaries          |          |           |           |           |           |           |           |           |          |           |           |          |
| Number                 | 0        | 0         | 0         | 0         | 4         | 6         | 0         | 0         | 0        | 0         | 4         | 6        |
| Average Age            | 0.00     | 0.00      | 0.00      | 0.00      | 69.44     | 70.04     | 0.00      | 0.00      | 0.00     | 0.00      | 69.44     | 70.04    |
| Average Total Benefit* | \$0      | \$0       | \$0       | \$0       | \$15,870  | \$20,697  | \$0       | \$0       | \$0      | \$0       | \$15,870  | \$20,697 |
| Duty Disabled          |          |           |           |           |           |           |           |           |          |           |           |          |
| Number                 | 0        | 0         | 0         | 0         | 1         | 1         | 0         | 0         | 0        | 0         | 1         | 1        |
| Average Age            | 0.00     | 0.00      | 0.00      | 0.00      | 0.00      | 73.93     | 0.00      | 0.00      | 0.00     | 0.00      | 0.00      | 73.93    |
| Average Total Benefit* | \$0      | \$0       | \$0       | \$0       | \$0       | \$30,253  | \$0       | \$0       | \$0      | \$0       | \$0       | \$30,253 |
| Ordinary Disabled      |          |           |           |           |           |           |           |           |          |           |           |          |
| Number                 | 0        | 0         | 1         | 1         | 1         | 1         | 0         | 0         | 0        | 0         | 2         | 2        |
| Average Age            | 0.00     | 0.00      | 70.71     | 71.71     | 54.98     | 55.98     | 0.00      | 0.00      | 0.00     | 0.00      | 62.85     | 63.85    |
| Average Total Benefit* | \$0      | \$0       | \$13,844  | \$14,120  | \$35,890  | \$36,608  | \$0       | \$0       | \$0      | \$0       | \$24,867  | \$25,364 |
| Total In Pay           |          |           |           |           |           |           |           |           |          |           |           |          |
| Number                 | 18       | 18        | 12        | 12        | 70        | 78        | 0         | 0         | 0        | 0         | 100       | 108      |
| Average Age            | 69.93    | 70.93     | 77.44     | 78.44     | 65.08     | 66.69     | 0.00      | 0.00      | 0.00     | 0.00      | 67.44     | 68.70    |
| Average Total Benefit* | \$67,023 | \$69,034  | \$34,435  | \$35,124  | \$27,121  | \$27,401  | \$0       | \$0       | \$0      | \$0       | \$35,181  | \$35,198 |
| Terminated Vested      |          |           |           |           |           |           |           |           |          |           |           |          |
| Number                 | 0        | 0         | 0         | 0         | 16        | 14        | 0         | 0         | 0        | 0         | 16        | 14       |
| Average Age            | 0.00     | 0.00      | 0.00      | 0.00      | 45.43     | 44.07     | 0.00      | 0.00      | 0.00     | 0.00      | 45.43     | 44.07    |
| Average Service        | 0.00     | 0.00      | 0.00      | 0.00      | 8.60      | 9.24      | 0.00      | 0.00      | 0.00     | 0.00      | 8.60      | 9.24     |
| Transfers              |          |           |           |           |           |           |           |           |          |           |           |          |
| Number                 | 0        | 0         | 2         | 2         | 18        | 17        | 1         | 1         | 1        | 2         | 22        | 22       |
| Average Age            | 0.00     | 0.00      | 60.44     | 61.44     | 50.16     | 51.02     | 30.81     | 31.81     | 0.00     | 49.44     | 47.93     | 50.95    |
| Average Service        | 0.00     | 0.00      | 3.52      | 3.52      | 4.99      | 5.20      | 2.04      | 2.04      | 0.00     | 1.66      | 4.49      | 4.58     |
| Total Inactive         |          |           |           |           |           |           |           |           |          |           |           |          |
| Number                 | 0        | 0         | 2         | 2         | 34        | 31        | 1         | 1         | 1        | 2         | 38        | 36       |
| Average Age            | 0.00     | 0.00      | 60.44     | 61.44     | 47.93     | 47.88     | 30.81     | 31.81     | 0.00     | 49.44     | 46.88     | 48.27    |
| Average Service        | 0.00     | 0.00      | 3.52      | 3.52      | 6.69      | 7.02      | 2.04      | 2.04      | 0.00     | 1.66      | 6.22      | 6.39     |



|                        | Southern M  | Iarin Fire | Southern M  | Jarin Fire |           |           | Southern M | arin Fire | Southern M | Iarin Fire | Southern M | larin Fire | Southern N | Marin Fire |           |          |
|------------------------|-------------|------------|-------------|------------|-----------|-----------|------------|-----------|------------|------------|------------|------------|------------|------------|-----------|----------|
|                        | Tier 1 Misc |            | Tier 2 Miso |            | Tot       | al        | Tier 1 S   |           | Tier 2 S   |            | Tier 2A    |            | Tier 3A    |            | Tot       | al       |
|                        | 6/30/2017   | 6/30/2018  | 6/30/2017   | 6/30/2018  | 6/30/2017 | 6/30/2018 | 6/30/2017  | 6/30/2018 | 6/30/2017  | 6/30/2018  | 6/30/2017  | 6/30/2018  | 6/30/2017  | 6/30/2018  | 6/30/2017 | 6/30/201 |
| Active Participants    |             |            |             |            |           |           |            |           |            |            |            |            |            |            |           |          |
| Number                 | 1           | 0          | 2           | 3          | 3         | 3         | 15         | 15        | 24         | 24         | 2          | 2          | 10         | 9          | 51        | 4        |
| Average Age            | 55.41       | 0.00       | 49.06       | 48.02      | 51.17     | 48.02     | 48.18      | 49.12     | 42.44      | 42.70      | 33.92      | 34.92      | 34.01      | 34.56      | 42.14     | 42.8     |
| Average Service        | 12.92       | 0.00       | 3.75        | 3.28       | 6.81      | 3.28      | 17.43      | 18.45     | 6.56       | 7.40       | 2.11       | 3.12       | 2.25       | 3.37       | 8.74      | 9.8      |
| Average Pay*           | \$84,767    | \$0        | \$105,392   | \$100,961  | \$98,517  | \$100,961 | \$113,953  | \$128,241 | \$102,997  | \$110,281  | \$93,719   | \$99,007   | \$93,983   | \$104,705  | \$104,088 | \$114,21 |
| Service Retired        |             |            |             |            |           |           |            |           |            |            |            |            |            |            |           |          |
| Number                 | 3           | 4          | 0           | 0          | 3         | 4         | 23         | 26        | 1          | 2          | 0          | 0          | 0          | 0          | 24        | 2        |
| Average Age            | 71.17       | 68.23      | 0.00        | 0.00       | 71.17     | 68.23     | 63.43      | 63.39     | 62.32      | 60.07      | 0.00       | 0.00       | 0.00       | 0.00       | 63.38     | 63.1     |
| Average Total Benefit* | \$25,326    | \$27,322   | \$0         | \$0        | \$25,326  | \$27,322  | \$77,700   | \$72,319  | \$4,788    | \$13,422   | \$0        | \$0        | \$0        | \$0        | \$74,662  | \$68,11  |
| Beneficiaries          |             |            |             |            |           |           |            |           |            |            |            |            |            |            |           |          |
| Number                 | 0           | 0          | 0           | 0          | 0         | 0         | 10         | 10        | 0          | 0          | 0          | 0          | 0          | 0          | 10        | 1        |
| Average Age            | 0.00        | 0.00       | 0.00        | 0.00       | 0.00      | 0.00      | 65.59      | 66.59     | 0.00       | 0.00       | 0.00       | 0.00       | 0.00       | 0.00       | 65.59     | 66.5     |
| Average Total Benefit* | \$0         | \$0        | \$0         | \$0        | \$0       | \$0       | \$41,945   | \$43,240  | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$41,945  | \$43,24  |
| Duty Disabled          |             |            |             |            |           |           |            |           |            |            |            |            |            |            |           |          |
| Number                 | 1           | 1          | 0           | 0          | 1         | 1         | 16         | 16        | 1          | 1          | 0          | 0          | 0          | 0          | 17        | 1        |
| Average Age            | 73.28       | 74.28      | 0.00        | 0.00       | 73.28     | 74.28     | 66.42      | 67.42     | 0.00       | 48.51      | 0.00       | 0.00       | 0.00       | 0.00       | 65.31     | 66.3     |
| Average Total Benefit* | \$4,245     | \$4,372    | \$0         | \$0        | \$4,245   | \$4,372   | \$54,667   | \$56,307  | \$0        | \$46,334   | \$0        | \$0        | \$0        | \$0        | \$54,097  | \$55,72  |
| Ordinary Disabled      |             |            |             |            |           |           |            |           |            |            |            |            |            |            |           |          |
| Number                 | 0           | 0          | 0           | 0          | 0         | 0         | 1          | 1         | 0          | 0          | 0          | 0          | 0          | 0          | 1         |          |
| Average Age            | 0.00        | 0.00       | 0.00        | 0.00       | 0.00      | 0.00      | 57.93      | 58.93     | 0.00       | 0.00       | 0.00       | 0.00       | 0.00       | 0.00       | 57.93     | 58.9     |
| Average Total Benefit* | \$0         | \$0        | \$0         | \$0        | \$0       | \$0       | \$71,260   | \$73,398  | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$71,260  | \$73,39  |
| Total In Pay           |             |            |             |            |           |           |            |           |            |            |            |            |            |            |           |          |
| Number                 | 4           | 5          | 0           | 0          | 4         | 5         | 50         | 53        | 2          | 3          | 0          | 0          | 0          | 0          | 52        | 5        |
| Average Age            | 71.70       | 69.44      | 0.00        | 0.00       | 71.70     | 69.44     | 64.71      | 65.12     | 31.16      | 56.21      | 0.00       | 0.00       | 0.00       | 0.00       | 64.33     | 64.6     |
| Average Total Benefit* | \$20,056    | \$22,732   | \$0         | \$0        | \$20,056  | \$22,732  | \$63,050   | \$62,019  | \$2,394    | \$24,392   | \$0        | \$0        | \$0        | \$0        | \$61,582  | \$60,00  |
| Terminated Vested      |             |            |             |            |           |           |            |           |            |            |            |            |            |            |           |          |
| Number                 | 1           | 1          | 0           | 0          | 1         | 1         | 0          | 0         | 2          | 2          | 0          | 0          | 0          | 0          | 2         |          |
| Average Age            | 73.85       | 74.85      | 0.00        | 0.00       | 73.85     | 74.85     | 0.00       | 0.00      | 50.70      | 51.70      | 0.00       | 0.00       | 0.00       | 0.00       | 50.70     | 51.7     |
| Average Service        | 8.92        | 8.92       | 0.00        | 0.00       | 8.92      | 8.92      | 0.00       | 0.00      | 3.10       | 3.10       | 0.00       | 0.00       | 0.00       | 0.00       | 3.10      | 3.1      |
| Transfers              |             |            |             |            |           |           |            |           |            |            |            |            |            |            |           |          |
| Number                 | 0           | 0          | 0           | 0          | 0         | 0         | 9          | 6         | 5          | 5          | 0          | 0          | 0          | 0          | 14        | 1        |
| Average Age            | 0.00        | 0.00       | 0.00        | 0.00       | 0.00      | 0.00      | 51.31      | 50.78     | 37.62      | 38.62      | 0.00       | 0.00       | 0.00       | 0.00       | 46.42     | 45.2     |
| Average Service        | 0.00        | 0.00       | 0.00        | 0.00       | 0.00      | 0.00      | 5.77       | 6.46      | 3.93       | 3.93       | 0.00       | 0.00       | 0.00       | 0.00       | 5.11      | 5.3      |
| Total Inactive         |             |            |             |            |           |           |            |           |            |            |            |            |            |            |           |          |
| Number                 | 1           | 1          | 0           | 0          | 1         | 1         | 9          | 6         | 7          | 7          | 0          | 0          | 0          | 0          | 16        | 1        |
| Average Age            | 73.85       | 74.85      | 0.00        | 0.00       | 73.85     | 74.85     | 51.31      | 50.78     | 41.36      | 42.36      | 0.00       | 0.00       | 0.00       | 0.00       | 46.96     | 46.2     |
| Average Service        | 8.92        | 8.92       | 0.00        | 0.00       | 8.92      | 8.92      | 5.77       | 6.46      | 3.69       | 3.69       | 0.00       | 0.00       | 0.00       | 0.00       | 4.86      | 4.9      |



| Participant Data as of J | Southern M |           | Marin Ci    | ty CSD    | Marin C     | ty CSD    |           |           | Mosquito    | District  | Mosquito    | District  |           |                 |
|--------------------------|------------|-----------|-------------|-----------|-------------|-----------|-----------|-----------|-------------|-----------|-------------|-----------|-----------|-----------------|
|                          | Tot        |           | Tier 1 Misc |           | Tier 2 Miso |           | Tot       | പ         | Tier 1 Miso |           | Tier 2 Miso |           | Tot       | al              |
|                          | 6/30/2017  | 6/30/2018 | 6/30/2017   | 6/30/2018 | 6/30/2017   | 6/30/2018 | 6/30/2017 | 6/30/2018 | 6/30/2017   | 6/30/2018 | 6/30/2017   | 6/30/2018 | 6/30/2017 | ai<br>6/30/2018 |
| Active Participants      | 0/30/2017  | 0/30/2010 | 0/30/2017   | 0/20/2010 | 0/30/2017   | 0/30/2010 | 0/30/2017 | 0/30/2010 | 0/30/2017   | 0/30/2010 | 0/30/2017   | 0/30/2010 | 0/30/2017 | 0/30/2010       |
| Number                   | 54         | 53        | 2           | 3         | 3           | 4         | 5         | 7         | 31          | 28        | 2           | 4         | 33        | 32              |
| Average Age              | 42.64      | 43.14     | 55.61       | 53.69     | 43.91       | 51.25     | 48.59     | 52.29     | 51.17       | 51.63     | 34.35       | 35.56     | 50.15     | 49.62           |
| Average Service          | 8.63       | 9.45      | 5.58        | 4.43      | 1.02        | 1.19      | 2.84      | 2.58      | 14.02       | 14.05     | 1.04        | 1.17      | 13.24     | 12.44           |
| Average Pay*             | \$103,778  | \$113,464 | \$43,930    | \$51,917  | \$77,709    | \$58,980  | \$64,197  | \$55,953  | \$95,513    | \$98,940  | \$78,162    | \$87,637  | \$94,462  | \$97,527        |
| Average ray              | \$105,776  | \$113,404 | \$43,930    | \$31,917  | \$11,109    | \$30,900  | \$04,197  | \$33,933  | \$93,313    | \$90,940  | \$70,102    | \$67,037  | \$94,402  | \$91,321        |
| Service Retired          |            |           |             |           |             |           |           |           |             |           |             |           |           |                 |
| Number                   | 27         | 32        | 1           | 1         | 0           | 0         | 1         | 1         | 14          | 17        | 0           | 0         | 14        | 17              |
| Average Age              | 64.25      | 63.78     | 68.52       | 69.52     | 0.00        | 0.00      | 68.52     | 69.52     | 65.97       | 65.24     | 0.00        | 0.00      | 65.97     | 65.24           |
| Average Total Benefit*   | \$69,181   | \$63,014  | \$31,772    | \$32,725  | \$0         | \$0       | \$31,772  | \$32,725  | \$58,218    | \$59,735  | \$0         | \$0       | \$58,218  | \$59,735        |
| Beneficiaries            |            |           |             |           |             |           |           |           |             |           |             |           |           |                 |
| Number                   | 10         | 10        | 1           | 1         | 0           | 0         | 1         | 1         | 4           | 4         | 0           | 0         | 4         | 4               |
| Average Age              | 65.59      | 66.59     | 82.31       | 83.31     | 0.00        | 0.00      | 82.31     | 83.31     | 72.45       | 73.45     | 0.00        | 0.00      | 72.45     | 73.45           |
| Average Total Benefit*   | \$41,945   | \$43,240  | \$25,683    | \$26,454  | \$0         | \$0       | \$25,683  | \$26,454  | \$16,193    | \$16,678  | \$0         | \$0       | \$16,193  | \$16,678        |
| Duty Disabled            |            |           |             |           |             |           |           |           |             |           |             |           |           |                 |
| Number                   | 18         | 18        | 0           | 0         | 0           | 0         | 0         | 0         | 1           | 1         | 0           | 0         | 1         | 1               |
| Average Age              | 65.75      | 66.75     | 0.00        | 0.00      | 0.00        | 0.00      | 0.00      | 0.00      | 72.91       | 73.91     | 0.00        | 0.00      | 72.91     | 73.91           |
| Average Total Benefit*   | \$51,328   | \$52,868  | \$0         | \$0       | \$0         | \$0       | \$0       | \$0       | \$35,602    | \$36,670  | \$0         | \$0       | \$35,602  | \$36,670        |
| Ordinary Disabled        |            |           |             |           |             |           |           |           |             |           |             |           |           |                 |
| Number                   | 1          | 1         | 0           | 0         | 0           | 0         | 0         | 0         | 0           | 0         | 0           | 0         | 0         | 0               |
| Average Age              | 57.93      | 58.93     | 0.00        | 0.00      | 0.00        | 0.00      | 0.00      | 0.00      | 0.00        | 0.00      | 0.00        | 0.00      | 0.00      | 0.00            |
| Average Total Benefit*   | \$71,260   | \$73,398  | \$0         | \$0       | \$0         | \$0       | \$0       | \$0       | \$0         | \$0       | \$0         | \$0       | \$0       | \$0             |
| Total In Pay             |            |           |             |           |             |           |           |           |             |           |             |           |           |                 |
| Number                   | 56         | 61        | 2           | 2         | 0           | 0         | 2         | 2         | 19          | 22        | 0           | 0         | 19        | 22              |
| Average Age              | 64.86      | 65.04     | 75.42       | 76.42     | 0.00        | 0.00      | 75.42     | 76.42     | 67.70       | 67.13     | 0.00        | 0.00      | 67.70     | 67.13           |
| Average Total Benefit*   | \$58,616   | \$56,948  | \$28,728    | \$29,589  | \$0         | \$0       | \$28,728  | \$29,589  | \$48,180    | \$50,858  | \$0         | \$0       | \$48,180  | \$50,858        |
| Terminated Vested        |            |           |             |           |             |           |           |           |             |           |             |           |           |                 |
| Number                   | 3          | 3         | 2           | 2         | 0           | 0         | 2         | 2         | 1           | 1         | 0           | 0         | 1         | 1               |
| Average Age              | 58.41      | 59.41     | 0.00        | 40.27     | 0.00        | 0.00      | 39.27     | 40.27     | 34.97       | 35.97     | 0.00        | 0.00      | 34.97     | 35.97           |
| Average Service          | 5.04       | 5.04      | 0.00        | 8.33      | 0.00        | 0.00      | 8.33      | 8.33      | 9.85        | 9.85      | 0.00        | 0.00      | 9.85      | 9.85            |
| Transfers                |            |           |             |           |             |           |           |           |             |           |             |           |           |                 |
| Number                   | 14         | 11        | 0           | 0         | 0           | 0         | 0         | 0         | 1           | 1         | 0           | 0         | 1         | 1               |
| Average Age              | 46.42      | 45.26     | 0.00        | 0.00      | 0.00        | 0.00      | 0.00      | 0.00      | 51.03       | 52.03     | 0.00        | 0.00      | 51.03     | 52.03           |
| Average Service          | 5.11       | 5.31      | 0.00        | 0.00      | 0.00        | 0.00      | 0.00      | 0.00      | 11.00       | 11.00     | 0.00        | 0.00      | 11.00     | 11.00           |
| Total Inactive           |            |           |             |           |             |           |           |           |             |           |             |           |           |                 |
| Number                   | 17         | 14        | 2           | 2         | 0           | 0         | 2         | 2         | 2           | 2         | 0           | 0         | 2         | 2               |
| Average Age              | 48.54      | 48.29     | 0.00        | 40.27     | 0.00        | 0.00      | 39.27     | 40.27     | 43.00       | 44.00     | 0.00        | 0.00      | 43.00     | 44.00           |
| Average Service          | 5.10       | 5.25      | 0.00        | 8.33      | 0.00        | 0.00      | 8.33      | 8.33      | 10.43       | 10.43     | 0.00        | 0.00      | 10.43     | 10.43           |



| Participant Data as of J |           |           |           |           |           |           |           |           |            |           |            |           |           |           |
|--------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|-----------|------------|-----------|-----------|-----------|
|                          | LAFCO     |           | LAFCO     |           | LAFCO     |           |           |           | Tamalpa    |           | Tamalp     |           |           |           |
|                          | Miscella  |           | Miscell   |           | Miscell   |           | Tot       |           | Tier 1 Mis |           | Tier 2 Mis |           | To        |           |
|                          | 6/30/2017 | 6/30/2018 | 6/30/2017 | 6/30/2018 | 6/30/2017 | 6/30/2018 | 6/30/2017 | 6/30/2018 | 6/30/2017  | 6/30/2018 | 6/30/2017  | 6/30/2018 | 6/30/2017 | 6/30/2018 |
| Active Participants      |           |           |           |           | _         |           |           |           |            |           |            | _         |           |           |
| Number                   | 0         | 0         | 2         | 1         | 1         | 0         | 3         | 1         | 9          | 8         | 3          | 5         | 12        | 13        |
| Average Age              | 0.00      | 0.00      | 44.14     | 48.05     | 27.52     | 0.00      | 38.60     | 48.05     | 59.80      | 60.92     | 41.80      | 42.71     | 55.30     | 53.91     |
| Average Service          | 0.00      | 0.00      | 6.61      | 9.39      | 1.70      | 0.00      | 4.97      | 9.39      | 17.28      | 15.57     | 2.26       | 2.11      | 13.52     | 10.40     |
| Average Pay*             | \$0       | \$0       | \$103,847 | \$73,784  | \$73,154  | \$0       | \$93,616  | \$73,784  | \$93,612   | \$101,087 | \$63,877   | \$70,715  | \$86,178  | \$89,405  |
| Service Retired          |           |           |           |           |           |           |           |           |            |           |            |           |           |           |
| Number                   | 2         | 2         | 2         | 2         | 0         | 0         | 4         | 4         | 8          | 9         | 0          | 0         | 8         | 9         |
| Average Age              | 69.38     | 70.38     | 58.76     | 59.76     | 0.00      | 0.00      | 64.07     | 65.07     | 68.16      | 68.12     | 0.00       | 0.00      | 68.16     | 68.12     |
| Average Total Benefit*   | \$27,025  | \$27,836  | \$5,832   | \$5,948   | \$0       | \$0       | \$16,428  | \$16,892  | \$24,772   | \$30,934  | \$0        | \$0       | \$24,772  | \$30,934  |
| Beneficiaries            |           |           |           |           |           |           |           |           |            |           |            |           |           |           |
| Number                   | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 4          | 4         | 0          | 0         | 4         | 4         |
| Average Age              | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 50.40      | 51.40     | 0.00       | 0.00      | 50.40     | 51.40     |
| Average Total Benefit*   | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$9,919    | \$10,216  | \$0        | \$0       | \$9,919   | \$10,216  |
| Duty Disabled            |           |           |           |           |           |           |           |           |            |           |            |           |           |           |
| Number                   | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 1          | 1         | 0          | 0         | 1         | 1         |
| Average Age              | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 45.31      | 46.31     | 0.00       | 0.00      | 45.31     | 46.31     |
| Average Total Benefit*   | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$14,392   | \$14,824  | \$0        | \$0       | \$14,392  | \$14,824  |
| Ordinary Disabled        |           |           |           |           |           |           |           |           |            |           |            |           |           |           |
| Number                   | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0          | 0         | 0          | 0         | 0         | 0         |
| Average Age              | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00       | 0.00      | 0.00       | 0.00      | 0.00      | 0.00      |
| Average Total Benefit*   | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0        | \$0       | \$0        | \$0       | \$0       | \$0       |
| Total In Pav             |           |           |           |           |           |           |           |           |            |           |            |           |           |           |
| Number                   | 2         | 2         | 2         | 2         | 0         | 0         | 4         | 4         | 13         | 14        | 0          | 0         | 13        | 14        |
| Average Age              | 69.38     | 70.38     | 58.76     | 59.76     | 0.00      | 0.00      | 64.07     | 65.07     | 60.94      | 61.79     | 0.00       | 0.00      | 60.94     | 61.79     |
| Average Total Benefit*   | \$27,025  | \$27,836  | \$5,832   | \$5,948   | \$0       | \$0       | \$16,428  | \$16,892  | \$19,403   | \$23,864  | \$0        | \$0       | \$19,403  | \$23,864  |
| Terminated Vested        |           |           |           |           |           |           |           |           |            |           |            |           |           |           |
| Number                   | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0          | 0         | 0          | 0         | 0         | 0         |
| Average Age              | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00       | 0.00      | 0.00       | 0.00      | 0.00      | 0.00      |
| Average Service          | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00       | 0.00      | 0.00       | 0.00      | 0.00      | 0.00      |
| Transfers                |           |           |           |           |           |           |           |           |            |           |            |           |           |           |
| Number                   | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0          | 0         | 0          | 0         | 0         | 0         |
| Average Age              | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00       | 0.00      | 0.00       | 0.00      | 0.00      | 0.00      |
| Average Service          | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00       | 0.00      | 0.00       | 0.00      | 0.00      | 0.00      |
| Total Inactive           |           |           |           |           |           |           |           |           |            |           |            |           |           |           |
| Number                   | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0          | 0         | 0          | 0         | 0         | (         |
| Average Age              | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00       | 0.00      | 0.00       | 0.00      | 0.00      | 0.00      |
| Average Service          | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00       | 0.00      | 0.00       | 0.00      | 0.00      | 0.00      |



| Participant Data as of Ju | ne 30, 2018: | Novato Fire | Protection | District  |           |           |           |           |           |           |           |           |
|---------------------------|--------------|-------------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
|                           | Tier         |             | Tier       |           | Tie       | r 1       | Tie       | r 2       | Tie       | r 3       | Tier      | 3A        |
|                           | Miscella     |             | Miscella   |           | Safe      |           | Saf       |           | Saf       |           | Saf       |           |
|                           | 6/30/2017    | 6/30/2018   | 6/30/2017  | 6/30/2018 | 6/30/2017 | 6/30/2018 | 6/30/2017 | 6/30/2018 | 6/30/2017 | 6/30/2018 | 6/30/2017 | 6/30/2018 |
| Active Participants       |              |             |            |           |           |           |           |           |           |           |           |           |
| Number                    | 7            | 6           | 3          | 3         | 51        | 49        | 7         | 7         | 6         | 6         | 0         | 3         |
| Average Age               | 48.62        | 50.70       | 44.67      | 45.67     | 46.27     | 46.95     | 42.21     | 43.21     | 35.92     | 36.92     | 0.00      | 31.72     |
| Average Service           | 13.44        | 14.67       | 1.39       | 2.06      | 17.22     | 18.02     | 7.24      | 8.35      | 3.21      | 4.21      | 0.00      | 0.71      |
| Average Pay*              | \$107,781    | \$125,008   | \$53,437   | \$58,173  | \$127,540 | \$133,663 | \$114,384 | \$121,031 | \$113,884 | \$117,785 | \$0       | \$102,995 |
| Service Retired           |              |             |            |           |           |           |           |           |           |           |           |           |
| Number                    | 4            | 5           | 0          | 0         | 54        | 55        | 0         | 0         | 0         | 0         | 0         | 0         |
| Average Age               | 66.03        | 64.77       | 0.00       | 0.00      | 66.66     | 67.46     | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      |
| Average Total Benefit*    | \$40,632     | \$34,432    | \$0        | \$0       | \$100,551 | \$104,948 | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       |
| Beneficiaries             |              |             |            |           |           |           |           |           |           |           |           |           |
| Number                    | 1            | 1           | 0          | 0         | 14        | 14        | 0         | 0         | 0         | 0         | 0         | 0         |
| Average Age               | 51.67        | 55.67       | 0.00       | 0.00      | 62.90     | 63.90     | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      |
| Average Total Benefit*    | \$11,544     | \$11,890    | \$0        | \$0       | \$42,686  | \$43,966  | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       |
| Duty Disabled             |              |             |            |           |           |           |           |           |           |           |           |           |
| Number                    | 0            | 0           | 0          | 0         | 31        | 32        | 0         | 0         | 0         | 0         | 0         | 0         |
| Average Age               | 0.00         | 0.00        | 0.00       | 0.00      | 69.47     | 69.96     | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      |
| Average Total Benefit*    | \$0          | \$0         | \$0        | \$0       | \$67,400  | \$71,412  | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       |
| Ordinary Disabled         |              |             |            |           |           |           |           |           |           |           |           |           |
| Number                    | 0            | 0           | 0          | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         |
| Average Age               | 0.00         | 0.00        | 0.00       | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      |
| Average Total Benefit*    | \$0          | \$0         | \$0        | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       |
| Total In Pay              |              |             |            |           |           |           |           |           |           |           |           |           |
| Number                    | 5            | 6           | 0          | 0         | 99        | 101       | 0         | 0         | 0         | 0         | 0         | 0         |
| Average Age               | 63.16        | 63.25       | 0.00       | 0.00      | 67.01     | 67.76     | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      |
| Average Total Benefit*    | \$34,815     | \$30,675    | \$0        | \$0       | \$81,988  | \$85,870  | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       |
| Terminated Vested         |              |             |            |           |           |           |           |           |           |           |           |           |
| Number                    | 1            | 2           | 0          | 0         | 2         | 2         | 0         | 0         | 0         | 0         | 0         | 0         |
| Average Age               | 58.56        | 51.34       | 0.00       | 0.00      | 49.21     | 50.21     | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      |
| Average Service           | 6.16         | 9.27        | 0.00       | 0.00      | 4.82      | 4.82      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      |
| Transfers                 |              |             |            |           |           |           |           |           |           |           |           |           |
| Number                    | 1            | 0           | 0          | 0         | 10        | 10        | 0         | 0         | 0         | 1         | 0         | 0         |
| Average Age               | 54.73        | 0.00        | 0.00       | 0.00      | 43.71     | 44.71     | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      |
| Average Service           | 1.25         | 0.00        | 0.00       | 0.00      | 4.04      | 4.04      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      |
| Total Inactive            |              |             |            |           |           |           |           |           |           |           |           |           |
| Number                    | 2            | 2           | 0          | 0         | 12        | 12        | 0         | 0         | 0         | 1         | 0         | 0         |
| Average Age               | 56.65        | 51.34       | 0.00       | 0.00      | 44.63     | 45.63     | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      |
| Average Service           | 3.71         | 9.27        | 0.00       | 0.00      | 4.17      | 4.17      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      |



| Participant Data as of Ju | ne 30, 2018: N      | Novato Fire        | Protection 1     | District  |               |                  |
|---------------------------|---------------------|--------------------|------------------|-----------|---------------|------------------|
|                           | Miscella: 6/30/2017 | neous<br>6/30/2018 | Saf<br>6/30/2017 |           | To: 6/30/2017 | tal<br>6/30/2018 |
| Active Participants       |                     |                    |                  |           |               |                  |
| Number                    | 10                  | 9                  | 64               | 65        | 74            | 74               |
| Average Age               | 47.43               | 49.02              | 44.86            | 44.92     | 45.21         | 45.42            |
| Average Service           | 9.82                | 10.47              | 14.82            | 14.91     | 14.14         | 14.3             |
| Average Pay*              | \$91,478            | \$102,730          | \$124,821        | \$129,421 | \$120,315     | \$126,17         |
| Service Retired           |                     |                    |                  |           |               |                  |
| Number                    | 4                   | 5                  | 54               | 55        | 58            | 6                |
| Average Age               | 66.03               | 64.77              | 66.66            | 67.46     | 66.62         | 67.2             |
| Average Total Benefit*    | \$40,632            | \$34,432           | \$100,551        | \$104,948 | \$96,419      | \$99,07          |
| Beneficiaries             |                     |                    |                  |           |               |                  |
| Number                    | 1                   | 1                  | 14               | 14        | 15            | 1:               |
| Average Age               | 51.67               | 55.67              | 62.90            | 63.90     | 62.15         | 63.3             |
| Average Total Benefit*    | \$11,544            | \$11,890           | \$42,686         | \$43,966  | \$40,610      | \$41,82          |
| Duty Disabled             |                     |                    |                  |           |               |                  |
| Number                    | 0                   | 0                  | 31               | 32        | 31            | 3                |
| Average Age               | 0.00                | 0.00               | 69.47            | 69.96     | 69.47         | 69.9             |
| Average Total Benefit*    | \$0                 | \$0                | \$67,400         | \$71,412  | \$67,400      | \$71,412         |
| Ordinary Disabled         |                     |                    |                  |           |               |                  |
| Number                    | 0                   | 0                  | 0                | 0         | 0             |                  |
| Average Age               | 0.00                | 0.00               | 0.00             | 0.00      | 0.00          | 0.0              |
| Average Total Benefit*    | \$0                 | \$0                | \$0              | \$0       | \$0           | \$               |
| Total In Pay              |                     |                    |                  |           |               |                  |
| Number                    | 5                   | 6                  | 99               | 101       | 104           | 10               |
| Average Age               | 63.16               | 63.25              | 67.01            | 67.76     | 66.82         | 67.5             |
| Average Total Benefit*    | \$34,815            | \$30,675           | \$81,988         | \$85,870  | \$79,720      | \$82,77          |
| Terminated Vested         |                     |                    |                  |           |               |                  |
| Number                    | 1                   | 2                  | 2                | 2         | 3             |                  |
| Average Age               | 58.56               | 51.34              | 49.21            | 50.21     | 52.32         | 50.7             |
| Average Service           | 6.16                | 9.27               | 4.82             | 4.82      | 5.26          | 7.0              |
| Transfers                 |                     |                    |                  |           |               |                  |
| Number                    | 1                   | 0                  | 10               | 11        | 11            | 1                |
| Average Age               | 54.73               | 0.00               | 43.71            | 43.07     | 44.71         | 43.0             |
| Average Service           | 1.25                | 0.00               | 4.04             | 3.97      | 3.79          | 3.9              |
| Total Inactive            |                     |                    |                  |           |               |                  |
| Number                    | 2                   | 2                  | 12               | 13        | 14            | 1                |
| Average Age               | 56.65               | 51.34              | 44.63            | 44.17     | 46.34         | 45.1             |
| Average Service           | 3.71                | 9.27               | 4.17             | 4.10      | 4.10          | 4.7              |



|                        | Miscella  | neous     | Pol       | ice       | Fi        | re        | Total S   | afety     | To        | tal      |
|------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------|
|                        | 6/30/2017 | 6/30/2018 | 6/30/2017 | 6/30/2018 | 6/30/2017 | 6/30/2018 | 6/30/2017 | 6/30/2018 | 6/30/2017 | 6/30/201 |
| Active Participants    |           |           |           |           |           |           |           |           |           |          |
| Number                 | 212       | 218       | 82        | 89        | 54        | 52        | 136       | 141       | 348       | 359      |
| Average Age            | 47.18     | 46.19     | 38.49     | 37.67     | 41.83     | 42.28     | 39.82     | 39.37     | 44.30     | 43.5     |
| Average Service        | 10.61     | 9.66      | 9.82      | 9.20      | 11.49     | 12.38     | 10.49     | 10.38     | 10.56     | 9.9      |
| Average Pay*           | \$77,226  | \$80,502  | \$110,236 | \$113,047 | \$128,463 | \$136,589 | \$117,473 | \$121,729 | \$92,955  | \$96,694 |
| Service Retired        |           |           |           |           |           |           |           |           |           |          |
| Number                 | 247       | 257       | 77        | 80        | 84        | 89        | 161       | 169       | 408       | 42       |
| Average Age            | 69.62     | 69.92     | 65.99     | 66.22     | 67.33     | 67.63     | 66.69     | 66.96     | 68.46     | 68.7     |
| Average Total Benefit* | \$36,851  | \$38,150  | \$68,784  | \$68,987  | \$90,679  | \$89,764  | \$80,208  | \$79,929  | \$53,960  | \$54,72  |
| Beneficiaries          |           |           |           |           |           |           |           |           |           |          |
| Number                 | 31        | 33        | 16        | 18        | 22        | 21        | 38        | 39        | 69        | 7:       |
| Average Age            | 75.34     | 75.96     | 68.93     | 66.49     | 73.21     | 73.47     | 71.41     | 70.25     | 73.17     | 72.8     |
| Average Total Benefit* | \$18,376  | \$20,539  | \$32,873  | \$34,439  | \$39,017  | \$40,634  | \$36,430  | \$37,775  | \$28,319  | \$29,87  |
| Duty Disabled          |           |           |           |           |           |           |           |           |           |          |
| Number                 | 18        | 19        | 38        | 42        | 21        | 21        | 59        | 63        | 77        | 8:       |
| Average Age            | 65.65     | 65.97     | 61.98     | 61.61     | 67.81     | 68.81     | 64.06     | 64.01     | 64.43     | 64.40    |
| Average Total Benefit* | \$28,738  | \$28,228  | \$54,867  | \$57,310  | \$83,656  | \$86,166  | \$65,114  | \$66,928  | \$56,611  | \$57,96  |
| Ordinary Disabled      |           |           |           |           |           |           |           |           |           |          |
| Number                 | 2         | 2         | 0         | 0         | 0         | 0         | 0         | 0         | 2         |          |
| Average Age            | 84.45     | 85.45     | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 84.45     | 85.4     |
| Average Total Benefit* | \$12,071  | \$12,433  | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$12,071  | \$12,43  |
| Total In Pav           |           |           |           |           |           |           |           |           |           |          |
| Number                 | 298       | 311       | 131       | 140       | 127       | 131       | 258       | 271       | 556       | 582      |
| Average Age            | 70.07     | 70.42     | 65.18     | 64.87     | 68.43     | 68.76     | 66.78     | 66.75     | 68.55     | 68.7     |
| Average Total Benefit* | \$34,273  | \$35,509  | \$60,361  | \$61,042  | \$80,569  | \$81,312  | \$70,308  | \$70,840  | \$50,994  | \$51,96  |
| Terminated Vested      |           |           |           |           |           |           |           |           |           |          |
| Number                 | 27        | 27        | 7         | 6         | 1         | 1         | 8         | 7         | 35        | 34       |
| Average Age            | 48.29     | 49.54     | 46.36     | 46.81     | 50.84     | 51.84     | 46.92     | 47.53     | 47.97     | 49.1     |
| Average Service        | 6.14      | 6.62      | 10.71     | 10.89     | 3.51      | 3.51      | 9.81      | 9.83      | 6.98      | 7.2      |
| Transfers              |           |           |           |           |           |           |           |           |           |          |
| Number                 | 69        | 75        | 18        | 14        | 6         | 4         | 24        | 18        | 93        | 9:       |
| Average Age            | 45.67     | 45.46     | 46.46     | 43.71     | 47.06     | 43.44     | 46.61     | 43.65     | 45.91     | 45.1     |
| Average Service        | 3.30      | 3.14      | 5.36      | 4.20      | 3.21      | 3.88      | 4.82      | 4.13      | 3.69      | 3.3      |
| Total Inactive         |           |           |           |           |           |           |           |           |           |          |
| Number                 | 96        | 102       | 25        | 20        | 7         | 5         | 32        | 25        | 128       | 12       |
| Average Age            | 46.41     | 46.54     | 46.43     | 44.64     | 47.60     | 45.12     | 46.69     | 44.74     | 46.48     | 46.1     |
| Average Service        | 4.10      | 4.06      | 6.85      | 6.21      | 3.25      | 3.81      | 6.07      | 5.73      | 4.59      | 4.3      |



| Participant Data as of Ju | ine 30, 2018: | City of San | Rafael    |           |           |           |           |           |           |           |           |           |           |           |           |           |
|---------------------------|---------------|-------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
|                           | Tier          | 1           | Tie       | 2         | Tie       | r 3       | Tie       | r 1       | Tie       | r 2       | Tie       | r 3       | Tie       | er 1      | Tie       | r 2       |
|                           | Miscella      | neous       | Miscella  | neous     | Miscell   | aneous    | Pol       | ice       | Pol       | ice       | Safe      | ety       | Fi        | re        | Fi        | re        |
|                           | 6/30/2017     | 6/30/2018   | 6/30/2017 | 6/30/2018 | 6/30/2017 | 6/30/2018 | 6/30/2017 | 6/30/2018 | 6/30/2017 | 6/30/2018 | 6/30/2017 | 6/30/2018 | 6/30/2017 | 6/30/2018 | 6/30/2017 | 6/30/2018 |
| Active Participants       |               |             |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| Number                    | 135           | 118         | 18        | 17        | 59        | 83        | 46        | 42        | 5         | 6         | 31        | 41        | 39        | 37        | 15        | 15        |
| Average Age               | 52.03         | 52.20       | 45.62     | 47.37     | 36.56     | 37.39     | 44.91     | 45.61     | 37.64     | 37.30     | 29.10     | 29.60     | 44.90     | 45.30     | 33.84     | 34.84     |
| Average Service           | 15.44         | 15.83       | 3.41      | 4.28      | 1.74      | 1.99      | 15.55     | 16.48     | 4.42      | 4.63      | 2.20      | 2.42      | 14.32     | 15.34     | 4.13      | 5.09      |
| Average Pay*              | \$81,202      | \$84,777    | \$90,205  | \$99,606  | \$64,169  | \$70,511  | \$121,945 | \$131,627 | \$124,245 | \$123,976 | \$90,602  | \$92,414  | \$135,213 | \$143,762 | \$110,915 | \$118,895 |
| Service Retired           |               |             |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| Number                    | 247           | 257         | 0         | 0         | 0         | 0         | 77        | 80        | 0         | 0         | 0         | 0         | 84        | 89        | 0         | 0         |
| Average Age               | 69.62         | 69.92       | 0.00      | 0.00      | 0.00      | 0.00      | 65.99     | 66.22     | 0.00      | 0.00      | 0.00      | 0.00      | 67.33     | 67.63     | 0.00      | 0.00      |
| Average Total Benefit*    | \$36,851      | \$38,150    | \$0       | \$0       | \$0       | \$0       | \$68,784  | \$68,987  | \$0       | \$0       | \$0       | \$0       | \$90,679  | \$89,764  | \$0       | \$0       |
| Beneficiaries             |               |             |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| Number                    | 31            | 33          | 0         | 0         | 0         | 0         | 16        | 18        | 0         | 0         | 0         | 0         | 22        | 21        | 0         | 0         |
| Average Age               | 75.34         | 75.96       | 0.00      | 0.00      | 0.00      | 0.00      | 68.93     | 66.49     | 0.00      | 0.00      | 0.00      | 0.00      | 73.21     | 73.47     | 0.00      | 0.00      |
| Average Total Benefit*    | \$18,376      | \$20,539    | \$0       | \$0       | \$0       | \$0       | \$32,873  | \$34,439  | \$0       | \$0       | \$0       | \$0       | \$39,017  | \$40,634  | \$0       | \$0       |
| Duty Disabled             |               |             |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| Number                    | 18            | 19          | 0         | 0         | 0         | 0         | 38        | 42        | 0         | 0         | 0         | 0         | 21        | 21        | 0         | 0         |
| Average Age               | 65.65         | 65.97       | 0.00      | 0.00      | 0.00      | 0.00      | 61.98     | 61.61     | 0.00      | 0.00      | 0.00      | 0.00      | 67.81     | 68.81     | 0.00      | 0.00      |
| Average Total Benefit*    | \$28,738      | \$28,228    | \$0       | \$0       | \$0       | \$0       | \$54,867  | \$57,310  | \$0       | \$0       | \$0       | \$0       | \$83,656  | \$86,166  | \$0       | \$0       |
| Ordinary Disabled         |               |             |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| Number                    | 2             | 2           | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         |
| Average Age               | 84.45         | 85.45       | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      |
| Average Total Benefit*    | \$12,071      | \$12,433    | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       | \$0       |
| Total In Pay              |               |             |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| Number                    | 298           | 311         | 0         | 0         | 0         | 0         | 131       | 140       | 0         | 0         | 0         | 0         | 127       | 131       | 0         | 0         |
| Average Age               | 70.07         | 70.42       | 0.00      | 0.00      | 0.00      | 0.00      | 65.18     | 64.87     | 0.00      | 0.00      | 0.00      | 0.00      | 68.43     | 68.76     | 0.00      | 0.00      |
| Average Total Benefit*    | \$34,273      | \$35,509    | \$0       | \$0       | \$0       | \$0       | \$60,361  | \$61,042  | \$0       | \$0       | \$0       | \$0       | \$80,569  | \$81,312  | \$0       | \$0       |
| Terminated Vested         |               |             |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| Number                    | 26            | 26          | 1         | 1         | 0         | 0         | 7         | 6         | 0         | 0         | 0         | 0         | 1         | 1         | 0         | 0         |
| Average Age               | 48.18         | 49.45       | 0.00      | 51.92     | 0.00      | 0.00      | 46.36     | 46.81     | 0.00      | 0.00      | 0.00      | 0.00      | 50.84     | 51.84     | 0.00      | 0.00      |
| Average Service           | 6.32          | 6.81        | 0.00      | 1.69      | 0.00      | 0.00      | 10.71     | 10.89     | 0.00      | 0.00      | 0.00      | 0.00      | 3.51      | 3.51      | 0.00      | 0.00      |
| Transfers                 |               |             |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| Number                    | 54            | 55          | 8         | 7         | 7         | 13        | 18        | 13        | 0         | 0         | 0         | 1         | 6         | 4         | 0         | 0         |
| Average Age               | 48.23         | 49.59       | 41.37     | 42.81     | 30.85     | 29.41     | 46.46     | 44.69     | 0.00      | 0.00      | 0.00      | 0.00      | 47.06     | 43.44     | 0.00      | 0.00      |
| Average Service           | 3.86          | 3.90        | 2.17      | 2.27      | 0.22      | 0.38      | 5.36      | 4.40      | 0.00      | 0.00      | 0.00      | 0.00      | 3.21      | 3.88      | 0.00      | 0.00      |
| Total Inactive            |               |             |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| Number                    | 80            | 81          | 9         | 8         | 7         | 13        | 25        | 19        | 0         | 0         | 0         | 1         | 7         | 5         | 0         | 0         |
| Average Age               | 48.21         | 49.55       | 36.77     | 43.95     | 30.85     | 29.41     | 46.43     | 45.36     | 0.00      | 0.00      | 0.00      | 0.00      | 47.60     | 45.12     | 0.00      | 0.00      |
| Average Service           | 4.66          | 4.84        | 1.93      | 2.19      | 0.22      | 0.38      | 6.85      | 6.45      | 0.00      | 0.00      | 0.00      | 0.00      | 3.25      | 3.81      | 0.00      | 0.00      |



#### APPENDIX A – MEMBERSHIP INFORMATION

# MARIN COUNTY DISTRIBUTION OF MISCELLANEOUS ACTIVE MEMBERS BY AGE AND SERVICE AS OF JULY 1, 2018

#### COUNTS BY AGE/SERVICE

|          |     |     |     |     |     | Servi  | ce       |          |          |          |          |         |       |
|----------|-----|-----|-----|-----|-----|--------|----------|----------|----------|----------|----------|---------|-------|
| Age      | 0   | 1   | 2   | 3   | 4   | 5 to 9 | 10 to 14 | 15 to 19 | 20 to 24 | 25 to 29 | 30 to 34 | 35 & up | Total |
| 0 to 19  | 0   | 0   | 0   | 0   | 0   | 0      | 0        | 0        | 0        | 0        | 0        | 0       | 0     |
| 20 to 24 | 7   | 5   | 3   | 0   | 0   | 0      | 0        | 0        | 0        | 0        | 0        | 0       | 15    |
| 25 to 29 | 29  | 38  | 16  | 11  | 10  | 4      | 0        | 0        | 0        | 0        | 0        | 0       | 108   |
| 30 to 34 | 28  | 31  | 45  | 23  | 23  | 23     | 11       | 0        | 0        | 0        | 0        | 0       | 184   |
| 35 to 39 | 21  | 23  | 18  | 28  | 20  | 39     | 42       | 4        | 0        | 0        | 0        | 0       | 195   |
| 40 to 44 | 22  | 15  | 21  | 8   | 17  | 35     | 48       | 24       | 4        | 0        | 0        | 0       | 194   |
| 45 to 49 | 17  | 19  | 16  | 10  | 19  | 27     | 55       | 43       | 19       | 3        | 0        | 0       | 228   |
| 50 to 54 | 16  | 11  | 18  | 10  | 11  | 37     | 40       | 53       | 42       | 14       | 2        | 1       | 255   |
| 55 to 59 | 11  | 13  | 12  | 13  | 9   | 35     | 41       | 49       | 21       | 22       | 8        | 4       | 238   |
| 60 to 64 | 6   | 4   | 7   | 4   | 7   | 21     | 51       | 48       | 20       | 13       | 7        | 2       | 190   |
| 65 to 69 | 2   | 1   | 1   | 1   | 7   | 13     | 21       | 29       | 14       | 7        | 5        | 1       | 102   |
| 70 & up  | 0   | 0   | 0   | 0   | 0   | 0      | 6        | 12       | 2        | 3        | 2        | 3       | 28    |
| Total    | 159 | 160 | 157 | 108 | 123 | 234    | 315      | 262      | 122      | 62       | 24       | 11      | 1,737 |

# MARIN COUNTY DISTRIBUTION OF MISCELLANEOUS ACTIVE MEMBERS PAYROLL BY AGE AND SERVICE AS OF JULY 1, 2018

|          |         |         |         |         |         | Ser     | vice     |          |          |          |          |         |        |
|----------|---------|---------|---------|---------|---------|---------|----------|----------|----------|----------|----------|---------|--------|
| Age      | 0       | 1       | 2       | 3       | 4       | 5 to 9  | 10 to 14 | 15 to 19 | 20 to 24 | 25 to 29 | 30 to 34 | 35 & up | Total  |
| 0 to 19  | 0       | 0       | 0       | 0       | 0       | 0       | 0        | 0        | 0        | 0        | 0        | 0       | 0      |
| 20 to 24 | 54,360  | 61,113  | 57,932  | 0       | 0       | 0       | 0        | 0        | 0        | 0        | 0        | 0       | 57,326 |
| 25 to 29 | 67,270  | 66,463  | 71,813  | 66,149  | 76,578  | 83,229  | 0        | 0        | 0        | 0        | 0        | 0       | 68,998 |
| 30 to 34 | 76,796  | 73,667  | 78,921  | 82,500  | 81,437  | 84,023  | 94,252   | 0        | 0        | 0        | 0        | 0       | 80,029 |
| 35 to 39 | 72,337  | 79,766  | 81,385  | 78,196  | 100,217 | 91,227  | 98,495   | 76,406   | 0        | 0        | 0        | 0       | 87,245 |
| 40 to 44 | 76,001  | 94,490  | 86,585  | 69,783  | 86,031  | 88,543  | 99,320   | 100,144  | 87,317   | 0        | 0        | 0       | 90,451 |
| 45 to 49 | 108,240 | 81,214  | 95,529  | 84,564  | 81,703  | 100,063 | 94,807   | 100,254  | 100,074  | 101,788  | 0        | 0       | 95,366 |
| 50 to 54 | 78,380  | 99,501  | 82,735  | 111,737 | 94,655  | 89,983  | 99,179   | 102,389  | 100,266  | 93,322   | 103,626  | 80,048  | 96,175 |
| 55 to 59 | 85,256  | 74,706  | 87,877  | 99,712  | 104,104 | 90,186  | 91,120   | 91,234   | 89,791   | 113,625  | 81,027   | 106,560 | 92,519 |
| 60 to 64 | 83,248  | 88,824  | 64,296  | 81,095  | 103,842 | 100,594 | 90,866   | 88,507   | 104,898  | 120,568  | 95,841   | 136,928 | 94,533 |
| 65 to 69 | 68,821  | 120,016 | 134,576 | 33,365  | 104,301 | 80,643  | 84,389   | 95,156   | 91,187   | 89,277   | 115,184  | 93,737  | 91,245 |
| 70 & up  | 0       | 0       | 0       | 0       | 0       | 0       | 91,080   | 75,395   | 99,934   | 73,515   | 81,042   | 133,983 | 86,988 |
| Total    | 77,622  | 77,818  | 81,620  | 83,240  | 90,189  | 90,900  | 94,639   | 94,770   | 97,721   | 105,234  | 94,348   | 115,985 | 89,573 |



#### APPENDIX A - MEMBERSHIP INFORMATION

# MARIN COUNTY DISTRIBUTION OF SAFETY ACTIVE MEMBERS BY AGE AND SERVICE AS OF JULY 1, 2018

#### COUNTS BY AGE/SERVICE

|          |    |    |    |    |    | Ser    | rvice    |          |          |          |          |         |
|----------|----|----|----|----|----|--------|----------|----------|----------|----------|----------|---------|
| Age      | 0  | 1  | 2  | 3  | 4  | 5 to 9 | 10 to 14 | 15 to 19 | 20 to 24 | 25 to 29 | 30 to 34 | 35 & up |
| 0 to 19  | 0  | 0  | 0  | 0  | 0  | 0      | 0        | 0        | 0        | 0        | 0        | 0       |
| 20 to 24 | 2  | 7  | 0  | 1  | 1  | 0      | 0        | 0        | 0        | 0        | 0        | 0       |
| 25 to 29 | 5  | 7  | 9  | 12 | 5  | 4      | 0        | 0        | 0        | 0        | 0        | 0       |
| 30 to 34 | 5  | 6  | 8  | 6  | 4  | 27     | 3        | 0        | 0        | 0        | 0        | 0       |
| 35 to 39 | 1  | 3  | 4  | 5  | 1  | 15     | 22       | 5        | 0        | 0        | 0        | 0       |
| 40 to 44 | 2  | 0  | 0  | 1  | 0  | 10     | 21       | 26       | 0        | 0        | 0        | 0       |
| 45 to 49 | 1  | 1  | 0  | 1  | 0  | 1      | 15       | 22       | 19       | 7        | 0        | 0       |
| 50 to 54 | 1  | 0  | 0  | 2  | 0  | 1      | 7        | 14       | 6        | 7        | 0        | 0       |
| 55 to 59 | 0  | 0  | 0  | 1  | 1  | 4      | 2        | 4        | 2        | 4        | 1        | 0       |
| 60 to 64 | 0  | 0  | 0  | 0  | 0  | 1      | 0        | 2        | 0        | 0        | 0        | 0       |
| 65 to 69 | 0  | 0  | 0  | 0  | 0  | 0      | 1        | 1        | 0        | 0        | 0        | 0       |
| 70 & up  | 0  | 0  | 0  | 0  | 0  | 0      | 0        | 0        | 0        | 0        | 1        | 0       |
| Total    | 17 | 24 | 21 | 29 | 12 | 63     | 71       | 74       | 27       | 18       | 2        | 0       |

# MARIN COUNTY DISTRIBUTION OF SAFETY ACTIVE MEMBERS PAYROLL BY AGE AND SERVICE AS OF JULY 1, 2018

|          |         |         |        |         |         | Ser     | vice     |          |          |          |          |         |         |
|----------|---------|---------|--------|---------|---------|---------|----------|----------|----------|----------|----------|---------|---------|
| Age      | 0       | 1       | 2      | 3       | 4       | 5 to 9  | 10 to 14 | 15 to 19 | 20 to 24 | 25 to 29 | 30 to 34 | 35 & up | Total   |
| 0 to 19  | 0       | 0       | 0      | 0       | 0       | 0       | 0        | 0        | 0        | 0        | 0        | 0       | 0       |
| 20 to 24 | 82,139  | 84,635  | 0      | 84,906  | 112,944 | 0       | 0        | 0        | 0        | 0        | 0        | 0       | 86,780  |
| 25 to 29 | 79,349  | 83,020  | 89,963 | 92,835  | 79,119  | 99,571  | 0        | 0        | 0        | 0        | 0        | 0       | 87,987  |
| 30 to 34 | 78,534  | 83,115  | 77,610 | 90,295  | 95,668  | 104,423 | 137,648  | 0        | 0        | 0        | 0        | 0       | 96,085  |
| 35 to 39 | 60,549  | 104,556 | 83,915 | 95,588  | 68,224  | 105,169 | 117,315  | 122,011  | 0        | 0        | 0        | 0       | 107,581 |
| 40 to 44 | 139,319 | 0       | 0      | 93,246  | 0       | 104,983 | 116,780  | 126,973  | 0        | 0        | 0        | 0       | 119,590 |
| 45 to 49 | 81,078  | 120,381 | 0      | 97,781  | 0       | 103,741 | 111,231  | 111,333  | 128,328  | 147,149  | 0        | 0       | 119,239 |
| 50 to 54 | 108,638 | 0       | 0      | 166,088 | 0       | 113,468 | 125,161  | 123,341  | 122,770  | 131,468  | 0        | 0       | 126,686 |
| 55 to 59 | 0       | 0       | 0      | 89,398  | 102,669 | 132,663 | 147,215  | 106,283  | 139,544  | 144,649  | 198,120  | 0       | 131,478 |
| 60 to 64 | 0       | 0       | 0      | 0       | 0       | 116,107 | 0        | 89,388   | 0        | 0        | 0        | 0       | 98,294  |
| 65 to 69 | 0       | 0       | 0      | 0       | 0       | 0       | 128,461  | 106,891  | 0        | 0        | 0        | 0       | 117,676 |
| 70 & up  | 0       | 0       | 0      | 0       | 0       | 0       | 0        | 0        | 0        | 0        | 236,212  | 0       | 236,212 |
| Total    | 87,212  | 87,764  | 84,105 | 97,629  | 88,509  | 106,493 | 118,503  | 118,895  | 127,924  | 140,495  | 217,166  | 0       | 110,577 |



#### APPENDIX A – MEMBERSHIP INFORMATION

# MARIN SPECIAL DISTRICTS DISTRIBUTION OF MISCELLANEOUS ACTIVE MEMBERS BY AGE AND SERVICE AS OF JULY 1, 2018

#### COUNTS BY AGE/SERVICE

|          |    |    |    |   |   | Ser    | rvice    |          |          |          |          |         |    |
|----------|----|----|----|---|---|--------|----------|----------|----------|----------|----------|---------|----|
| Age      | 0  | 1  | 2  | 3 | 4 | 5 to 9 | 10 to 14 | 15 to 19 | 20 to 24 | 25 to 29 | 30 to 34 | 35 & up | T  |
| 0 to 19  | 0  | 0  | 0  | 0 | 0 | 0      | 0        | 0        | 0        | 0        | 0        | 0       |    |
| 20 to 24 | 0  | 1  | 0  | 0 | 0 | 0      | 0        | 0        | 0        | 0        | 0        | 0       |    |
| 25 to 29 | 0  | 3  | 3  | 0 | 0 | 0      | 0        | 0        | 0        | 0        | 0        | 0       | ,  |
| 30 to 34 | 2  | 0  | 0  | 1 | 1 | 0      | 0        | 0        | 0        | 0        | 0        | 0       |    |
| 35 to 39 | 3  | 4  | 2  | 0 | 1 | 1      | 10       | 0        | 0        | 0        | 0        | 0       | 2  |
| 40 to 44 | 3  | 3  | 4  | 0 | 0 | 2      | 3        | 7        | 2        | 0        | 0        | 0       | 2  |
| 45 to 49 | 2  | 3  | 0  | 0 | 0 | 3      | 4        | 4        | 1        | 0        | 0        | 0       | 1  |
| 50 to 54 | 2  | 2  | 0  | 0 | 0 | 2      | 7        | 6        | 1        | 3        | 1        | 0       | 2  |
| 55 to 59 | 0  | 1  | 2  | 2 | 0 | 2      | 10       | 9        | 1        | 1        | 0        | 1       | 2  |
| 60 to 64 | 1  | 0  | 0  | 1 | 0 | 1      | 6        | 4        | 4        | 0        | 2        | 2       | 2  |
| 65 to 69 | 0  | 0  | 0  | 0 | 0 | 1      | 0        | 1        | 0        | 0        | 0        | 0       | 2  |
| 70 & up  | 0  | 0  | 0  | 0 | 0 | 1      | 1        | 1        | 1        | 1        | 0        | 0       | :  |
| Total    | 13 | 17 | 11 | 4 | 2 | 13     | 41       | 32       | 10       | 5        | 3        | 3       | 15 |

# MARIN SPECIAL DISTRICTS DISTRIBUTION OF MISCELLANEOUS ACTIVE MEMBERS PAYROLL BY AGE AND SERVICE AS OF JULY 1, 2018

|          |        |         |         |        |        | Ser     | vice     |          |          |          |          |         |        |
|----------|--------|---------|---------|--------|--------|---------|----------|----------|----------|----------|----------|---------|--------|
| Age      | 0      | 1       | 2       | 3      | 4      | 5 to 9  | 10 to 14 | 15 to 19 | 20 to 24 | 25 to 29 | 30 to 34 | 35 & up | Total  |
| 0 to 19  | 0      | 0       | 0       | 0      | 0      | 0       | 0        | 0        | 0        | 0        | 0        | 0       | 0      |
| 20 to 24 | 0      | 42,062  | 0       | 0      | 0      | 0       | 0        | 0        | 0        | 0        | 0        | 0       | 42,062 |
| 25 to 29 | 0      | 55,838  | 48,237  | 0      | 0      | 0       | 0        | 0        | 0        | 0        | 0        | 0       | 52,037 |
| 30 to 34 | 56,776 | 0       | 0       | 54,015 | 56,226 | 0       | 0        | 0        | 0        | 0        | 0        | 0       | 55,948 |
| 35 to 39 | 80,430 | 50,227  | 62,135  | 0      | 69,048 | 65,000  | 68,341   | 0        | 0        | 0        | 0        | 0       | 65,902 |
| 40 to 44 | 69,628 | 81,748  | 113,405 | 0      | 0      | 105,325 | 79,599   | 84,018   | 103,763  | 0        | 0        | 0       | 89,702 |
| 45 to 49 | 85,010 | 112,016 | 0       | 0      | 0      | 87,648  | 81,029   | 71,065   | 95,018   | 0        | 0        | 0       | 86,612 |
| 50 to 54 | 45,724 | 90,626  | 0       | 0      | 0      | 73,507  | 80,979   | 71,520   | 100,796  | 87,717   | 64,779   | 0       | 76,850 |
| 55 to 59 | 0      | 70,575  | 72,306  | 78,334 | 0      | 73,106  | 85,226   | 70,421   | 100,796  | 57,642   | 0        | 65,441  | 76,828 |
| 60 to 64 | 67,561 | 0       | 0       | 53,060 | 0      | 180,572 | 84,202   | 98,587   | 108,630  | 0        | 72,762   | 96,729  | 94,012 |
| 65 to 69 | 0      | 0       | 0       | 0      | 0      | 47,561  | 0        | 130,853  | 0        | 0        | 0        | 0       | 89,207 |
| 70 & up  | 0      | 0       | 0       | 0      | 0      | 45,760  | 91,418   | 80,818   | 80,746   | 72,170   | 0        | 0       | 74,182 |
| Total    | 68,674 | 73,153  | 78,837  | 65,936 | 62,637 | 85,055  | 79,563   | 79,416   | 101,940  | 78,593   | 70,101   | 86,300  | 79,112 |



#### APPENDIX A – MEMBERSHIP INFORMATION

# MARIN SPECIAL DISTRICTS DISTRIBUTION OF SAFETY ACTIVE MEMBERS BY AGE AND SERVICE AS OF JULY 1, 2018

#### COUNTS BY AGE/SERVICE

|          |   |   |   |   |   | Ser    | rvice    |          |          |          |          |         |    |
|----------|---|---|---|---|---|--------|----------|----------|----------|----------|----------|---------|----|
| Age      | 0 | 1 | 2 | 3 | 4 | 5 to 9 | 10 to 14 | 15 to 19 | 20 to 24 | 25 to 29 | 30 to 34 | 35 & up | To |
| 0 to 19  | 0 | 0 | 0 | 0 | 0 | 0      | 0        | 0        | 0        | 0        | 0        | 0       | (  |
| 20 to 24 | 0 | 0 | 0 | 0 | 0 | 0      | 0        | 0        | 0        | 0        | 0        | 0       | (  |
| 25 to 29 | 0 | 0 | 2 | 0 | 1 | 0      | 0        | 0        | 0        | 0        | 0        | 0       | 3  |
| 30 to 34 | 0 | 0 | 2 | 1 | 2 | 3      | 0        | 0        | 0        | 0        | 0        | 0       | 8  |
| 35 to 39 | 0 | 0 | 1 | 0 | 2 | 5      | 2        | 0        | 0        | 0        | 0        | 0       | 1  |
| 40 to 44 | 0 | 0 | 0 | 0 | 0 | 1      | 2        | 2        | 0        | 0        | 0        | 0       | 5  |
| 45 to 49 | 0 | 0 | 0 | 0 | 1 | 7      | 2        | 3        | 1        | 0        | 0        | 0       | 1  |
| 50 to 54 | 0 | 0 | 0 | 0 | 0 | 1      | 2        | 3        | 1        | 1        | 0        | 0       | 8  |
| 55 to 59 | 0 | 0 | 0 | 1 | 0 | 0      | 0        | 0        | 0        | 1        | 0        | 0       | 2  |
| 60 to 64 | 0 | 0 | 0 | 0 | 0 | 0      | 0        | 0        | 0        | 0        | 0        | 0       | C  |
| 65 to 69 | 0 | 0 | 0 | 0 | 0 | 0      | 0        | 0        | 0        | 0        | 0        | 0       | 0  |
| 70 & up  | 0 | 0 | 0 | 0 | 0 | 0      | 0        | 0        | 0        | 0        | 0        | 0       | (  |
| Total    | 0 | 0 | 5 | 2 | 6 | 17     | 8        | 8        | 2        | 2        | 0        | 0       | 5  |

# MARIN SPECIAL DISTRICTS DISTRIBUTION OF SAFETY ACTIVE MEMBERS PAYROLL BY AGE AND SERVICE AS OF JULY 1, 2018

|          |   |   |        |         |         | Ser     | vice     |          |          |          |          |         |         |
|----------|---|---|--------|---------|---------|---------|----------|----------|----------|----------|----------|---------|---------|
| Age      | 0 | 1 | 2      | 3       | 4       | 5 to 9  | 10 to 14 | 15 to 19 | 20 to 24 | 25 to 29 | 30 to 34 | 35 & up | Total   |
| 0 to 19  | 0 | 0 | 0      | 0       | 0       | 0       | 0        | 0        | 0        | 0        | 0        | 0       | 0       |
| 20 to 24 | 0 | 0 | 0      | 0       | 0       | 0       | 0        | 0        | 0        | 0        | 0        | 0       | 0       |
| 25 to 29 | 0 | 0 | 81,652 | 0       | 90,010  | 0       | 0        | 0        | 0        | 0        | 0        | 0       | 84,438  |
| 30 to 34 | 0 | 0 | 85,845 | 99,416  | 101,483 | 106,677 | 0        | 0        | 0        | 0        | 0        | 0       | 99,263  |
| 35 to 39 | 0 | 0 | 81,652 | 0       | 104,463 | 105,568 | 105,075  | 0        | 0        | 0        | 0        | 0       | 102,857 |
| 40 to 44 | 0 | 0 | 0      | 0       | 0       | 112,426 | 109,914  | 183,244  | 0        | 0        | 0        | 0       | 139,749 |
| 45 to 49 | 0 | 0 | 0      | 0       | 99,722  | 115,075 | 120,257  | 127,943  | 103,314  | 0        | 0        | 0       | 116,636 |
| 50 to 54 | 0 | 0 | 0      | 0       | 0       | 127,983 | 112,788  | 124,188  | 125,793  | 125,849  | 0        | 0       | 122,221 |
| 55 to 59 | 0 | 0 | 0      | 204,048 | 0       | 0       | 0        | 0        | 0        | 121,281  | 0        | 0       | 162,665 |
| 60 to 64 | 0 | 0 | 0      | 0       | 0       | 0       | 0        | 0        | 0        | 0        | 0        | 0       | 0       |
| 65 to 69 | 0 | 0 | 0      | 0       | 0       | 0       | 0        | 0        | 0        | 0        | 0        | 0       | 0       |
| 70 & up  | 0 | 0 | 0      | 0       | 0       | 0       | 0        | 0        | 0        | 0        | 0        | 0       | 0       |
| Total    | 0 | 0 | 83,329 | 151,732 | 100,271 | 111,400 | 112,008  | 140,360  | 114,554  | 123,565  | 0        | 0       | 114,215 |



#### APPENDIX A – MEMBERSHIP INFORMATION

#### NOVATO FIRE PROTECTION DISTRICT DISTRIBUTION OF MISCELLANEOUS ACTIVE MEMBERS BY AGE AND SERVICE AS OF JULY 1, 2018

#### COUNTS BY AGE/SERVICE

|          |   |   |   |   |   | Ser    | vice     |          |          |          |          |         |       |
|----------|---|---|---|---|---|--------|----------|----------|----------|----------|----------|---------|-------|
| Age      | 0 | 1 | 2 | 3 | 4 | 5 to 9 | 10 to 14 | 15 to 19 | 20 to 24 | 25 to 29 | 30 to 34 | 35 & up | Total |
| 0 to 19  | 0 | 0 | 0 | 0 | 0 | 0      | 0        | 0        | 0        | 0        | 0        | 0       | 0     |
| 20 to 24 | 0 | 0 | 0 | 0 | 0 | 0      | 0        | 0        | 0        | 0        | 0        | 0       | 0     |
| 25 to 29 | 0 | 0 | 0 | 0 | 0 | 0      | 0        | 0        | 0        | 0        | 0        | 0       | 0     |
| 30 to 34 | 0 | 0 | 0 | 1 | 0 | 0      | 0        | 0        | 0        | 0        | 0        | 0       | 1     |
| 35 to 39 | 0 | 0 | 0 | 0 | 0 | 0      | 0        | 0        | 0        | 0        | 0        | 0       | 0     |
| 40 to 44 | 0 | 0 | 0 | 0 | 0 | 1      | 1        | 0        | 0        | 0        | 0        | 0       | 2     |
| 45 to 49 | 0 | 0 | 0 | 0 | 0 | 0      | 1        | 0        | 0        | 0        | 0        | 0       | 1     |
| 50 to 54 | 1 | 0 | 1 | 0 | 0 | 0      | 1        | 0        | 0        | 0        | 0        | 0       | 3     |
| 55 to 59 | 0 | 0 | 0 | 0 | 0 | 0      | 0        | 1        | 0        | 0        | 0        | 0       | 1     |
| 60 to 64 | 0 | 0 | 0 | 0 | 0 | 0      | 1        | 0        | 0        | 0        | 0        | 0       | 1     |
| 65 to 69 | 0 | 0 | 0 | 0 | 0 | 0      | 0        | 0        | 0        | 0        | 0        | 0       | 0     |
| 70 & up  | 0 | 0 | 0 | 0 | 0 | 0      | 0        | 0        | 0        | 0        | 0        | 0       | 0     |
| Total    | 1 | 0 | 1 | 1 | 0 | 1      | 4        | 1        | 0        | 0        | 0        | 0       | 9     |

#### NOVATO FIRE PROTECTION DISTRICT DISTRIBUTION OF MISCELLANEOUS ACTIVE MEMBERS PAYROLL BY AGE AND SERVICE AS OF JULY 1, 2018

|          |        |   |        |        |   | Ser     | vice     |          |          |          |          |         |         |
|----------|--------|---|--------|--------|---|---------|----------|----------|----------|----------|----------|---------|---------|
| Age      | 0      | 1 | 2      | 3      | 4 | 5 to 9  | 10 to 14 | 15 to 19 | 20 to 24 | 25 to 29 | 30 to 34 | 35 & up | Total   |
| 0 to 19  | 0      | 0 | 0      | 0      | 0 | 0       | 0        | 0        | 0        | 0        | 0        | 0       | 0       |
| 20 to 24 | 0      | 0 | 0      | 0      | 0 | 0       | 0        | 0        | 0        | 0        | 0        | 0       | 0       |
| 25 to 29 | 0      | 0 | 0      | 0      | 0 | 0       | 0        | 0        | 0        | 0        | 0        | 0       | 0       |
| 30 to 34 | 0      | 0 | 0      | 55,913 | 0 | 0       | 0        | 0        | 0        | 0        | 0        | 0       | 55,913  |
| 35 to 39 | 0      | 0 | 0      | 0      | 0 | 0       | 0        | 0        | 0        | 0        | 0        | 0       | 0       |
| 40 to 44 | 0      | 0 | 0      | 0      | 0 | 159,750 | 86,407   | 0        | 0        | 0        | 0        | 0       | 123,078 |
| 45 to 49 | 0      | 0 | 0      | 0      | 0 | 0       | 96,256   | 0        | 0        | 0        | 0        | 0       | 96,256  |
| 50 to 54 | 46,490 | 0 | 72,116 | 0      | 0 | 0       | 113,234  | 0        | 0        | 0        | 0        | 0       | 77,280  |
| 55 to 59 | 0      | 0 | 0      | 0      | 0 | 0       | 0        | 118,461  | 0        | 0        | 0        | 0       | 118,461 |
| 60 to 64 | 0      | 0 | 0      | 0      | 0 | 0       | 175,941  | 0        | 0        | 0        | 0        | 0       | 175,941 |
| 65 to 69 | 0      | 0 | 0      | 0      | 0 | 0       | 0        | 0        | 0        | 0        | 0        | 0       | 0       |
| 70 & up  | 0      | 0 | 0      | 0      | 0 | 0       | 0        | 0        | 0        | 0        | 0        | 0       | 0       |
| Total    | 46,490 | 0 | 72,116 | 55,913 | 0 | 159,750 | 117,959  | 118,461  | 0        | 0        | 0        | 0       | 102,730 |



#### APPENDIX A – MEMBERSHIP INFORMATION

NOVATO FIRE PROTECTION DISTRICT DISTRIBUTION OF SAFETY ACTIVE MEMBERS BY AGE AND SERVICE AS OF JULY 1, 2018

#### COUNTS BY AGE/SERVICE

|          |   |   |   |   |   | Ser    | vice     |          |          |          |          |         |      |
|----------|---|---|---|---|---|--------|----------|----------|----------|----------|----------|---------|------|
| Age      | 0 | 1 | 2 | 3 | 4 | 5 to 9 | 10 to 14 | 15 to 19 | 20 to 24 | 25 to 29 | 30 to 34 | 35 & up | Tota |
| 0 to 19  | 0 | 0 | 0 | 0 | 0 | 0      | 0        | 0        | 0        | 0        | 0        | 0       | 0    |
| 20 to 24 | 0 | 0 | 0 | 0 | 0 | 0      | 0        | 0        | 0        | 0        | 0        | 0       | 0    |
| 25 to 29 | 1 | 0 | 0 | 1 | 1 | 0      | 0        | 0        | 0        | 0        | 0        | 0       | 3    |
| 30 to 34 | 2 | 0 | 0 | 0 | 1 | 0      | 0        | 0        | 0        | 0        | 0        | 0       | 3    |
| 35 to 39 | 0 | 0 | 0 | 0 | 0 | 2      | 1        | 1        | 0        | 0        | 0        | 0       | 4    |
| 40 to 44 | 0 | 0 | 0 | 0 | 2 | 3      | 11       | 9        | 1        | 0        | 0        | 0       | 26   |
| 45 to 49 | 0 | 0 | 0 | 0 | 0 | 0      | 1        | 10       | 3        | 2        | 0        | 0       | 16   |
| 50 to 54 | 0 | 0 | 2 | 0 | 0 | 0      | 0        | 3        | 2        | 2        | 0        | 0       | 9    |
| 55 to 59 | 0 | 0 | 0 | 0 | 0 | 0      | 0        | 3        | 0        | 0        | 0        | 0       | 3    |
| 60 to 64 | 0 | 0 | 0 | 0 | 0 | 0      | 0        | 1        | 0        | 0        | 0        | 0       | 1    |
| 65 to 69 | 0 | 0 | 0 | 0 | 0 | 0      | 0        | 0        | 0        | 0        | 0        | 0       | 0    |
| 70 & up  | 0 | 0 | 0 | 0 | 0 | 0      | 0        | 0        | 0        | 0        | 0        | 0       | 0    |
| Total    | 3 | 0 | 2 | 1 | 4 | 5      | 13       | 27       | 6        | 4        | 0        | 0       | 65   |

#### NOVATO FIRE PROTECTION DISTRICT DISTRIBUTION OF SAFETY ACTIVE MEMBERS PAYROLL BY AGE AND SERVICE AS OF JULY 1, 2018

|          |         |   |         |         |         | Ser     | vice     |          |          |          |          |         |         |
|----------|---------|---|---------|---------|---------|---------|----------|----------|----------|----------|----------|---------|---------|
| Age      | 0       | 1 | 2       | 3       | 4       | 5 to 9  | 10 to 14 | 15 to 19 | 20 to 24 | 25 to 29 | 30 to 34 | 35 & up | Total   |
| 0 to 19  | 0       | 0 | 0       | 0       | 0       | 0       | 0        | 0        | 0        | 0        | 0        | 0       | 0       |
| 20 to 24 | 0       | 0 | 0       | 0       | 0       | 0       | 0        | 0        | 0        | 0        | 0        | 0       | 0       |
| 25 to 29 | 102,995 | 0 | 0       | 116,652 | 117,263 | 0       | 0        | 0        | 0        | 0        | 0        | 0       | 112,303 |
| 30 to 34 | 102,995 | 0 | 0       | 0       | 117,875 | 0       | 0        | 0        | 0        | 0        | 0        | 0       | 107,955 |
| 35 to 39 | 0       | 0 | 0       | 0       | 0       | 121,755 | 133,453  | 119,064  | 0        | 0        | 0        | 0       | 124,007 |
| 40 to 44 | 0       | 0 | 0       | 0       | 117,263 | 117,663 | 118,544  | 131,881  | 132,266  | 0        | 0        | 0       | 123,488 |
| 45 to 49 | 0       | 0 | 0       | 0       | 0       | 0       | 134,066  | 126,682  | 153,275  | 170,987  | 0        | 0       | 137,668 |
| 50 to 54 | 0       | 0 | 126,924 | 0       | 0       | 0       | 0        | 128,919  | 171,873  | 174,367  | 0        | 0       | 148,121 |
| 55 to 59 | 0       | 0 | 0       | 0       | 0       | 0       | 0        | 130,820  | 0        | 0        | 0        | 0       | 130,820 |
| 60 to 64 | 0       | 0 | 0       | 0       | 0       | 0       | 0        | 116,664  | 0        | 0        | 0        | 0       | 116,664 |
| 65 to 69 | 0       | 0 | 0       | 0       | 0       | 0       | 0        | 0        | 0        | 0        | 0        | 0       | 0       |
| 70 & up  | 0       | 0 | 0       | 0       | 0       | 0       | 0        | 0        | 0        | 0        | 0        | 0       | 0       |
| Total    | 102,995 | 0 | 126,924 | 116,652 | 117,416 | 119,300 | 120,885  | 128,470  | 155,973  | 172,677  | 0        | 0       | 129,421 |



#### APPENDIX A – MEMBERSHIP INFORMATION

# CITY OF SAN RAFAEL DISTRIBUTION OF MISCELLANEOUS ACTIVE MEMBERS BY AGE AND SERVICE AS OF JULY 1, 2018

#### COUNTS BY AGE/SERVICE

|          |    |    |    |    |    | Ser    | vice     |          |          |          |          |         |   |
|----------|----|----|----|----|----|--------|----------|----------|----------|----------|----------|---------|---|
| Age      | 0  | 1  | 2  | 3  | 4  | 5 to 9 | 10 to 14 | 15 to 19 | 20 to 24 | 25 to 29 | 30 to 34 | 35 & up | T |
| 0 to 19  | 0  | 0  | 0  | 0  | 0  | 0      | 0        | 0        | 0        | 0        | 0        | 0       |   |
| 20 to 24 | 5  | 2  | 2  | 0  | 0  | 0      | 0        | 0        | 0        | 0        | 0        | 0       |   |
| 25 to 29 | 5  | 4  | 5  | 0  | 4  | 1      | 0        | 0        | 0        | 0        | 0        | 0       | 1 |
| 30 to 34 | 6  | 3  | 3  | 1  | 0  | 3      | 0        | 0        | 0        | 0        | 0        | 0       | 1 |
| 35 to 39 | 5  | 3  | 2  | 2  | 2  | 6      | 2        | 1        | 0        | 0        | 0        | 0       | 2 |
| 40 to 44 | 3  | 2  | 1  | 1  | 1  | 7      | 8        | 5        | 0        | 0        | 0        | 0       | 2 |
| 45 to 49 | 0  | 2  | 3  | 2  | 2  | 1      | 10       | 10       | 1        | 1        | 0        | 0       | 3 |
| 50 to 54 | 3  | 1  | 1  | 1  | 0  | 3      | 3        | 10       | 5        | 2        | 2        | 0       | 3 |
| 55 to 59 | 4  | 2  | 0  | 3  | 0  | 3      | 2        | 5        | 3        | 1        | 3        | 0       | 2 |
| 60 to 64 | 0  | 1  | 1  | 0  | 0  | 5      | 13       | 3        | 2        | 0        | 2        | 0       | 2 |
| 65 to 69 | 0  | 0  | 0  | 0  | 1  | 0      | 3        | 0        | 0        | 1        | 0        | 0       |   |
| 70 & up  | 0  | 0  | 0  | 0  | 0  | 1      | 0        | 0        | 0        | 1        | 0        | 0       |   |
| Total    | 31 | 20 | 18 | 10 | 10 | 30     | 41       | 34       | 11       | 6        | 7        | 0       | 2 |

# CITY OF SAN RAFAEL DISTRIBUTION OF MISCELLANEOUS ACTIVE MEMBERS PAYROLL BY AGE AND SERVICE AS OF JULY 1, 2018

|          |        |         |         |         |        | Ser     | vice     |          |          |          |          |         |        |
|----------|--------|---------|---------|---------|--------|---------|----------|----------|----------|----------|----------|---------|--------|
| Age      | 0      | 1       | 2       | 3       | 4      | 5 to 9  | 10 to 14 | 15 to 19 | 20 to 24 | 25 to 29 | 30 to 34 | 35 & up | Total  |
| 0 to 19  | 0      | 0       | 0       | 0       | 0      | 0       | 0        | 0        | 0        | 0        | 0        | 0       | 0      |
| 20 to 24 | 47,706 | 59,442  | 45,872  | 0       | 0      | 0       | 0        | 0        | 0        | 0        | 0        | 0       | 49,906 |
| 25 to 29 | 57,128 | 70,608  | 70,546  | 0       | 72,447 | 49,413  | 0        | 0        | 0        | 0        | 0        | 0       | 66,316 |
| 30 to 34 | 69,141 | 92,944  | 51,300  | 110,156 | 0      | 73,794  | 0        | 0        | 0        | 0        | 0        | 0       | 73,695 |
| 35 to 39 | 70,574 | 61,600  | 63,326  | 85,844  | 82,017 | 71,417  | 83,076   | 44,025   | 0        | 0        | 0        | 0       | 71,249 |
| 40 to 44 | 88,976 | 119,720 | 63,044  | 81,822  | 67,880 | 87,294  | 69,619   | 65,707   | 0        | 0        | 0        | 0       | 79,131 |
| 45 to 49 | 0      | 57,964  | 145,119 | 68,727  | 92,255 | 71,875  | 90,938   | 79,578   | 112,021  | 88,006   | 0        | 0       | 89,072 |
| 50 to 54 | 96,926 | 94,680  | 132,756 | 75,992  | 0      | 85,478  | 108,106  | 83,179   | 85,857   | 73,100   | 99,187   | 0       | 89,697 |
| 55 to 59 | 93,330 | 55,263  | 0       | 77,331  | 0      | 117,004 | 124,722  | 74,945   | 76,848   | 79,911   | 90,649   | 0       | 87,439 |
| 60 to 64 | 0      | 76,460  | 182,657 | 0       | 0      | 104,803 | 81,973   | 112,204  | 83,100   | 0        | 57,364   | 0       | 91,345 |
| 65 to 69 | 0      | 0       | 0       | 0       | 76,947 | 0       | 62,999   | 0        | 0        | 66,143   | 0        | 0       | 66,417 |
| 70 & up  | 0      | 0       | 0       | 0       | 0      | 28,275  | 0        | 0        | 0        | 75,744   | 0        | 0       | 52,010 |
| Total    | 71,707 | 75,099  | 85,491  | 80,910  | 78,316 | 84,732  | 84,412   | 79,749   | 85,277   | 76,001   | 83,579   | 0       | 80,502 |



#### APPENDIX A – MEMBERSHIP INFORMATION

# CITY OF SAN RAFAEL DISTRIBUTION OF POLICE ACTIVE MEMBERS BY AGE AND SERVICE AS OF JULY 1, 2018

#### COUNTS BY AGE/SERVICE

|          |    |   |    |   |   | Ser    | vice     |          |          |          |          |         |       |
|----------|----|---|----|---|---|--------|----------|----------|----------|----------|----------|---------|-------|
| Age      | 0  | 1 | 2  | 3 | 4 | 5 to 9 | 10 to 14 | 15 to 19 | 20 to 24 | 25 to 29 | 30 to 34 | 35 & up | Total |
| 0 to 19  | 0  | 0 | 0  | 0 | 0 | 0      | 0        | 0        | 0        | 0        | 0        | 0       | 0     |
| 20 to 24 | 5  | 0 | 1  | 0 | 0 | 0      | 0        | 0        | 0        | 0        | 0        | 0       | 6     |
| 25 to 29 | 1  | 4 | 6  | 1 | 2 | 1      | 0        | 0        | 0        | 0        | 0        | 0       | 15    |
| 30 to 34 | 5  | 2 | 3  | 2 | 3 | 5      | 2        | 0        | 0        | 0        | 0        | 0       | 22    |
| 35 to 39 | 1  | 1 | 0  | 0 | 0 | 2      | 5        | 0        | 0        | 0        | 0        | 0       | 9     |
| 40 to 44 | 0  | 0 | 0  | 0 | 0 | 1      | 8        | 5        | 0        | 0        | 0        | 0       | 14    |
| 45 to 49 | 0  | 0 | 0  | 0 | 0 | 0      | 5        | 5        | 2        | 2        | 0        | 0       | 14    |
| 50 to 54 | 0  | 0 | 0  | 0 | 0 | 0      | 0        | 2        | 1        | 1        | 1        | 0       | 5     |
| 55 to 59 | 0  | 0 | 0  | 0 | 0 | 1      | 0        | 1        | 1        | 0        | 0        | 0       | 3     |
| 60 to 64 | 0  | 0 | 0  | 0 | 0 | 0      | 1        | 0        | 0        | 0        | 0        | 0       | 1     |
| 65 to 69 | 0  | 0 | 0  | 0 | 0 | 0      | 0        | 0        | 0        | 0        | 0        | 0       | 0     |
| 70 & up  | 0  | 0 | 0  | 0 | 0 | 0      | 0        | 0        | 0        | 0        | 0        | 0       | 0     |
| Total    | 12 | 7 | 10 | 3 | 5 | 10     | 21       | 13       | 4        | 3        | 1        | 0       | 89    |

# CITY OF SAN RAFAEL DISTRIBUTION OF POLICE ACTIVE MEMBERS BY AGE AND SERVICE AS OF JULY 1, 2018

|          |        |        |        |         |         | Ser     | vice     |          |          |          |          |         |         |
|----------|--------|--------|--------|---------|---------|---------|----------|----------|----------|----------|----------|---------|---------|
| Age      | 0      | 1      | 2      | 3       | 4       | 5 to 9  | 10 to 14 | 15 to 19 | 20 to 24 | 25 to 29 | 30 to 34 | 35 & up | Total   |
| 0 to 19  | 0      | 0      | 0      | 0       | 0       | 0       | 0        | 0        | 0        | 0        | 0        | 0       | 0       |
| 20 to 24 | 79,438 | 0      | 86,864 | 0       | 0       | 0       | 0        | 0        | 0        | 0        | 0        | 0       | 80,676  |
| 25 to 29 | 77,146 | 85,732 | 94,074 | 98,492  | 104,387 | 103,546 | 0        | 0        | 0        | 0        | 0        | 0       | 93,022  |
| 30 to 34 | 85,704 | 95,751 | 93,507 | 105,741 | 108,512 | 107,026 | 117,273  | 0        | 0        | 0        | 0        | 0       | 100,329 |
| 35 to 39 | 74,684 | 95,767 | 0      | 0       | 0       | 106,755 | 120,716  | 0        | 0        | 0        | 0        | 0       | 109,727 |
| 40 to 44 | 0      | 0      | 0      | 0       | 0       | 114,134 | 128,187  | 136,099  | 0        | 0        | 0        | 0       | 130,009 |
| 45 to 49 | 0      | 0      | 0      | 0       | 0       | 0       | 123,028  | 134,152  | 120,720  | 166,217  | 0        | 0       | 132,841 |
| 50 to 54 | 0      | 0      | 0      | 0       | 0       | 0       | 0        | 133,014  | 175,255  | 139,577  | 155,304  | 0       | 147,233 |
| 55 to 59 | 0      | 0      | 0      | 0       | 0       | 182,657 | 0        | 141,700  | 128,413  | 0        | 0        | 0       | 150,923 |
| 60 to 64 | 0      | 0      | 0      | 0       | 0       | 0       | 118,158  | 0        | 0        | 0        | 0        | 0       | 118,158 |
| 65 to 69 | 0      | 0      | 0      | 0       | 0       | 0       | 0        | 0        | 0        | 0        | 0        | 0       | 0       |
| 70 & up  | 0      | 0      | 0      | 0       | 0       | 0       | 0        | 0        | 0        | 0        | 0        | 0       | 0       |
| Total    | 81,462 | 90,028 | 93,183 | 103,325 | 106,862 | 114,897 | 123,663  | 135,306  | 136,277  | 157,337  | 155,304  | 0       | 113,047 |



#### APPENDIX A – MEMBERSHIP INFORMATION

# CITY OF SAN RAFAEL DISTRIBUTION OF FIRE ACTIVE MEMBERS BY AGE AND SERVICE AS OF JULY 1, 2018

#### AVERAGE PAY BY AGE/SERVICE

|          |   |   |   |   |   | Ser    | rvice    |          |          |          |          |         |   |
|----------|---|---|---|---|---|--------|----------|----------|----------|----------|----------|---------|---|
| Age      | 0 | 1 | 2 | 3 | 4 | 5 to 9 | 10 to 14 | 15 to 19 | 20 to 24 | 25 to 29 | 30 to 34 | 35 & up | Т |
| 0 to 19  | 0 | 0 | 0 | 0 | 0 | 0      | 0        | 0        | 0        | 0        | 0        | 0       |   |
| 20 to 24 | 0 | 0 | 0 | 0 | 0 | 0      | 0        | 0        | 0        | 0        | 0        | 0       |   |
| 25 to 29 | 0 | 0 | 0 | 0 | 0 | 0      | 0        | 0        | 0        | 0        | 0        | 0       |   |
| 30 to 34 | 0 | 1 | 1 | 1 | 0 | 8      | 1        | 0        | 0        | 0        | 0        | 0       | 1 |
| 35 to 39 | 0 | 0 | 1 | 0 | 0 | 10     | 1        | 0        | 0        | 0        | 0        | 0       | 1 |
| 40 to 44 | 0 | 0 | 0 | 0 | 0 | 2      | 2        | 3        | 0        | 0        | 0        | 0       |   |
| 45 to 49 | 0 | 0 | 0 | 0 | 0 | 1      | 0        | 7        | 1        | 0        | 0        | 0       |   |
| 50 to 54 | 0 | 0 | 0 | 0 | 0 | 0      | 1        | 3        | 3        | 1        | 0        | 0       |   |
| 55 to 59 | 0 | 0 | 0 | 0 | 0 | 0      | 0        | 0        | 1        | 2        | 0        | 0       |   |
| 60 to 64 | 0 | 0 | 0 | 0 | 0 | 0      | 1        | 0        | 0        | 0        | 0        | 0       |   |
| 65 to 69 | 0 | 0 | 0 | 0 | 0 | 0      | 0        | 0        | 0        | 0        | 0        | 0       |   |
| 70 & up  | 0 | 0 | 0 | 0 | 0 | 0      | 0        | 0        | 0        | 0        | 0        | 0       |   |
| Total    | 0 | 1 | 2 | 1 | 0 | 21     | 6        | 13       | 5        | 3        | 0        | 0       | 5 |

# CITY OF SAN RAFAEL DISTRIBUTION OF FIRE ACTIVE MEMBERS PAYROLL BY AGE AND SERVICE AS OF JULY 1, 2018

|          | Service |        |         |         |   |         |          |          |          |          |          |         |         |
|----------|---------|--------|---------|---------|---|---------|----------|----------|----------|----------|----------|---------|---------|
| Age      | 0       | 1      | 2       | 3       | 4 | 5 to 9  | 10 to 14 | 15 to 19 | 20 to 24 | 25 to 29 | 30 to 34 | 35 & up | Total   |
| 0 to 19  | 0       | 0      | 0       | 0       | 0 | 0       | 0        | 0        | 0        | 0        | 0        | 0       | 0       |
| 20 to 24 | 0       | 0      | 0       | 0       | 0 | 0       | 0        | 0        | 0        | 0        | 0        | 0       | 0       |
| 25 to 29 | 0       | 0      | 0       | 0       | 0 | 0       | 0        | 0        | 0        | 0        | 0        | 0       | 0       |
| 30 to 34 | 0       | 85,434 | 99,248  | 106,216 | 0 | 132,080 | 131,630  | 0        | 0        | 0        | 0        | 0       | 123,264 |
| 35 to 39 | 0       | 0      | 102,834 | 0       | 0 | 134,576 | 129,031  | 0        | 0        | 0        | 0        | 0       | 131,468 |
| 40 to 44 | 0       | 0      | 0       | 0       | 0 | 125,016 | 143,581  | 173,523  | 0        | 0        | 0        | 0       | 151,109 |
| 45 to 49 | 0       | 0      | 0       | 0       | 0 | 153,473 | 0        | 136,375  | 143,934  | 0        | 0        | 0       | 139,115 |
| 50 to 54 | 0       | 0      | 0       | 0       | 0 | 0       | 127,129  | 140,729  | 140,281  | 172,476  | 0        | 0       | 142,829 |
| 55 to 59 | 0       | 0      | 0       | 0       | 0 | 0       | 0        | 0        | 119,961  | 142,226  | 0        | 0       | 134,804 |
| 60 to 64 | 0       | 0      | 0       | 0       | 0 | 0       | 188,969  | 0        | 0        | 0        | 0        | 0       | 188,969 |
| 65 to 69 | 0       | 0      | 0       | 0       | 0 | 0       | 0        | 0        | 0        | 0        | 0        | 0       | 0       |
| 70 & up  | 0       | 0      | 0       | 0       | 0 | 0       | 0        | 0        | 0        | 0        | 0        | 0       | 0       |
| Total    | 0       | 85,434 | 101,041 | 106,216 | 0 | 133,614 | 143,987  | 145,953  | 136,948  | 152,309  | 0        | 0       | 136,589 |



## APPENDIX A – MEMBERSHIP INFORMATION

Changes in Plan Membership: Marin County Miscellaneous

|   | Actives | Transfer to | Non-vested | Vested Terminations | Ordinary<br>Disability | Duty<br>Disability | Retired | Beneficiaries | Total<br>Participants |
|---|---------|-------------|------------|---------------------|------------------------|--------------------|---------|---------------|-----------------------|
| June 30, 2017   | 1,700   | 191         | 264        | 194                 | 29                     | 86                 | 1,481   | 264           | 4,209                 |
| New Entrants  | 164     | 0           | 0          | 0                   | 0                      | 0                  | 0       | 0             | 164                   |
| Rehires   | 8       | 0           | (5)        | (2)                 | 0                      | 0                  | 0       | 0             | 1                     |
| Duty Disabilities                                     | 0       | 0           | 0          | 0                   | 0                      | 0                  | 0       | 0             | 0                     |
| Ordinary Disabilities                                 | 0       | 0           | 0          | (2)                 | 2                      | 0                  | 0       | 0             | 0                     |
| Retirements   | (85)    | (10)        | (3)        | (13)                | 0                      | 0                  | 109     | 2             | 0                     |
| Retirements from Safety with Misc Service             | 0       | 0           | 0          | 0                   | 0                      | 0                  | 2       | 1             | 3                     |
| Vested Terminations                                   | (13)    | (1)         | 0          | 14                  | 0                      | 0                  | 0       | 0             | 0                     |
| Died, With Beneficiaries'<br>Benefit Payable          | 0       | 0           | 0          | 0                   | 0                      | (2)                | (15)    | 17            | 0                     |
| Non-Vested Terminations and Death without beneficiary | (19)    | (1)         | 17         | 0                   | (1)                    | 0                  | (32)    | 0             | (36)                  |
| Transfers   | (3)     | 11          | (2)        | (2)                 | 0                      | 0                  | 0       | 0             | 4                     |
| Beneficiary Deaths                                    | 0       | 0           | 0          | 0                   | 0                      | 0                  | 0       | (15)          | (15)                  |
| Domestic Relations Orders                             | 0       | 0           | 0          | 4                   | 0                      | 0                  | 0       | 1             | 5                     |
| Withdrawals Paid                                      | (14)    | 0           | (8)        | (4)                 | 0                      | 0                  | 0       | 0             | (26)                  |
| Data Corrections                                      | (1)     | (3)         | 0          | (1)                 | 0                      | 1                  | (1)     | 0             | (5)                   |
| June 30, 2018   | 1,737   | 187         | 263        | 188                 | 30                     | 85                 | 1,544   | 270           | 4,304                 |



## APPENDIX A – MEMBERSHIP INFORMATION

Changes in Plan Membership: Marin County Safety

|   | Actives | Transfer to | Non-vested | Vested Terminations | Ordinary Disability | Duty<br>Disability | Retired | Beneficiaries | Total<br>Participants |
|---|---------|-------------|------------|---------------------|---------------------|--------------------|---------|---------------|-----------------------|
| June 30, 2017   | 355     | 64          | 23         | 18                  | 6                   | 105                | 251     | 65            | 887                   |
| New Entrants  | 15      | 0           | 0          | 0                   | 0                   | 0                  | 0       | 0             | 15                    |
| Rehires   | 0       | 0           | 0          | 0                   | 0                   | 0                  | 0       | 0             | 0                     |
| Duty Disabilities                                     | 0       | 0           | 0          | 0                   | 0                   | 0                  | 0       | 0             | 0                     |
| Ordinary Disabilities                                 | 0       | 0           | 0          | 0                   | 0                   | 0                  | 0       | 0             | 0                     |
| Retirements   | (10)    | (5)         | 0          | 0                   | 0                   | 0                  | 16      | 0             | 1                     |
| Retirements from Safety with Misc Service             | 0       | 0           | 0          | 0                   | 0                   | 0                  | 0       | 0             | 0                     |
| Vested Terminations                                   | (1)     | (1)         | 0          | 2                   | 0                   | 0                  | 0       | 0             | 0                     |
| Died, With Beneficiaries'<br>Benefit Payable          | 0       | 0           | 0          | 0                   | 0                   | (1)                | (4)     | 5             | 0                     |
| Non-Vested Terminations and Death without beneficiary | (4)     | 0           | 3          | 0                   | 0                   | 0                  | (1)     | 0             | (2)                   |
| Transfers   | 2       | 2           | 0          | 0                   | 0                   | 0                  | 0       | 0             | 4                     |
| Beneficiary Deaths                                    | 0       | 0           | 0          | 0                   | 0                   | 0                  | 0       | (2)           | (2)                   |
| Domestic Relations Orders                             | 0       | 0           | 0          | 0                   | 0                   | 0                  | 0       | 1             | 1                     |
| Withdrawals Paid                                      | 0       | 0           | 0          | 0                   | 0                   | 0                  | 0       | 0             | 0                     |
| Data Corrections                                      | 1       | (1)         | 0          | 0                   | 1                   | 0                  | (1)     | 0             | 0                     |
| June 30, 2018   | 358     | 59          | 26         | 20                  | 7                   | 104                | 261     | 69            | 904                   |



## **APPENDIX A – MEMBERSHIP INFORMATION**

Changes in Plan Membership: Marin Special Districts Miscellaneous

|   | Actives | Transfor to | Non-vested<br>Terminations<br>Due Refunds | Vested Terminations | Ordinary<br>Disability | Duty<br>Disability | Retired | Beneficiaries | Total<br>Participants |
|---|---------|-------------|---|---------------------|------------------------|--------------------|---------|---------------|-----------------------|
| June 30, 2017   | 157     | 23          | 34  | 20                  | 2                      | 4                  | 123     | 13            | 376                   |
| New Entrants  | 11      | 0           | 0   | 0                   | 0                      | 0                  | 0       | 0             | 11                    |
| Rehires   | 0       | 0           | 0   | 0                   | 0                      | 0                  | 0       | 0             | 0                     |
| Duty Disabilities                                     | 0       | 0           | 0   | 0                   | 0                      | 0                  | 0       | 0             | 0                     |
| Ordinary Disabilities                                 | 0       | 0           | 0   | 0                   | 0                      | 0                  | 0       | 0             | 0                     |
| Retirements   | (9)     | (1)         | 0   | (2)                 | 0                      | 0                  | 12      | 0             | 0                     |
| Retirements from Safety with<br>Misc Service          | 0       | 0           | 0   | 0                   | 0                      | 0                  | 0       | 0             | 0                     |
| Vested Terminations                                   | (1)     | 0           | 0   | 1                   | 0                      | 0                  | 0       | 0             | 0                     |
| Died, With Beneficiaries'<br>Benefit Payable          | (1)     | 0           | 0   | 0                   | 0                      | 0                  | 0       | 1             | 0                     |
| Non-Vested Terminations and Death without beneficiary | (2)     | 0           | 2   | 0                   | 0                      | 0                  | (1)     | 0             | (1)                   |
| Transfers   | 1       | 1           | 0   | 0                   | 0                      | 0                  | 0       | 0             | 2                     |
| Beneficiary Deaths                                    | 0       | 0           | 0   | 0                   | 0                      | 0                  | 0       | 0             | 0                     |
| Domestic Relations Orders                             | 0       | 0           | 0   | 0                   | 0                      | 0                  | 0       | 1             | 1                     |
| Withdrawals Paid                                      | (2)     | 0           | (1)                                       | (1)                 | 0                      | 0                  | 0       | 0             | (4)                   |
| Data Corrections                                      | 0       | 0           | 0   | 0                   | 0                      | 0                  | 0       | 0             | 0                     |
| June 30, 2018   | 154     | 23          | 35  | 18                  | 2                      | 4                  | 134     | 15            | 385                   |



## APPENDIX A – MEMBERSHIP INFORMATION

Changes in Plan Membership: Marin Special Districts Safety

|   | Actives | Transfer to | Non-vected | Vested<br>Terminations | Ordinary<br>Disability | Duty<br>Disability | Retired | Beneficiaries | Total<br>Participants |
|---|---------|-------------|------------|------------------------|------------------------|--------------------|---------|---------------|-----------------------|
| June 30, 2017   | 51      | 14          | 1          | 2                      | 1                      | 17                 | 24      | 10            | 120                   |
| New Entrants  | 0       | 0           | 0          | 0                      | 0                      | 0                  | 0       | 0             | 0                     |
| Rehires   | 0       | 0           | 0          | 0                      | 0                      | 0                  | 0       | 0             | 0                     |
| Duty Disabilities                                     | 0       | 0           | 0          | 0                      | 0                      | 0                  | 0       | 0             | 0                     |
| Ordinary Disabilities                                 | 0       | 0           | 0          | 0                      | 0                      | 0                  | 0       | 0             | 0                     |
| Retirements   | (1)     | (3)         | 0          | 0                      | 0                      | 0                  | 4       | 0             | 0                     |
| Retirements from Safety with Misc Service             | 0       | 0           | 0          | 0                      | 0                      | 0                  | 0       | 0             | 0                     |
| Vested Terminations                                   | 0       | 0           | 0          | 0                      | 0                      | 0                  | 0       | 0             | 0                     |
| Died, With Beneficiaries'<br>Benefit Payable          | 0       | 0           | 0          | 0                      | 0                      | 0                  | 0       | 0             | 0                     |
| Non-Vested Terminations and Death without beneficiary | 0       | 0           | 0          | 0                      | 0                      | 0                  | 0       | 0             | 0                     |
| Transfers   | 0       | 0           | 0          | 0                      | 0                      | 0                  | 0       | 0             | 0                     |
| Beneficiary Deaths                                    | 0       | 0           | 0          | 0                      | 0                      | 0                  | 0       | 0             | 0                     |
| Domestic Relations Orders                             | 0       | 0           | 0          | 0                      | 0                      | 0                  | 0       | 0             | 0                     |
| Withdrawals Paid                                      | 0       | 0           | 0          | 0                      | 0                      | 0                  | 0       | 0             | 0                     |
| Data Corrections                                      | 0       | 0           | 0          | 0                      | 0                      | 0                  | 0       | 0             | 0                     |
| June 30, 2018   | 50      | 11          | 1          | 2                      | 1                      | 17                 | 28      | 10            | 120                   |



## APPENDIX A – MEMBERSHIP INFORMATION

Changes in Plan Membership: Marin County and Special Districts All Groups

|  | Actives | Transfer to Participating Agency | Non-vested<br>Terminations<br>Due Refunds |      | Ordinary<br>Disability | Duty<br>Disability | Retired | Beneficiaries | Total<br>Participants |
|--|---------|----------------------------------|---|------|------------------------|--------------------|---------|---------------|-----------------------|
| June 30, 2017  | 2,263   | 292                              | 322                                       | 234  | 38                     | 212                | 1,879   | 352           | 5,592                 |
| New Entrants   | 190     | 0                                | 0   | 0    | 0                      | 0                  | 0       | 0             | 190                   |
| Rehires  | 8       | 0                                | (5)                                       | (2)  | 0                      | 0                  | 0       | 0             | 1                     |
| Duty Disabilities  | 0       | 0                                | 0   | 0    | 0                      | 0                  | 0       | 0             | 0                     |
| Ordinary Disabilities                                    | 0       | 0                                | 0   | (2)  | 2                      | 0                  | 0       | 0             | 0                     |
| Retirements  | (105)   | (19)                             | (3)                                       | (15) | 0                      | 0                  | 141     | 2             | 1                     |
| Retirements from Safety with Misc Service                | 0       | 0                                | 0   | 0    | 0                      | 0                  | 2       | 1             | 3                     |
| Vested Terminations                                      | (15)    | (2)                              | 0   | 17   | 0                      | 0                  | 0       | 0             | 0                     |
| Died, With Beneficiaries'<br>Benefit Payable             | (1)     | 0                                | 0   | 0    | 0                      | (3)                | (19)    | 23            | 0                     |
| Non-Vested Terminations and<br>Death without beneficiary | (25)    | (1)                              | 22  | 0    | (1)                    | 0                  | (34)    | 0             | (39)                  |
| Transfers  | 0       | 14                               | (2)                                       | (2)  | 0                      | 0                  | 0       | 0             | 10                    |
| Beneficiary Deaths                                       | 0       | 0                                | 0   | 0    | 0                      | 0                  | 0       | (17)          | (17)                  |
| Domestic Relations Orders                                | 0       | 0                                | 0   | 4    | 0                      | 0                  | 0       | 3             | 7                     |
| Withdrawals Paid   | (16)    | 0                                | (9)                                       | (5)  | 0                      | 0                  | 0       | 0             | (30)                  |
| Data Corrections   | 0       | (4)                              | 0   | (1)  | 1                      | 1                  | (2)     | 0             | (5)                   |
| June 30, 2018  | 2,299   | 280                              | 325                                       | 228  | 40                     | 210                | 1,967   | 364           | 5,713                 |



#### APPENDIX A – MEMBERSHIP INFORMATION

Changes in Plan Membership: Novato Fire Protection District Miscellaneous

|   | Actives | Transfer to Participating Agency | Non-vected | Vested<br>Terminations | Ordinary<br>Disability | Duty<br>Disability | Retired | Beneficiaries | Total<br>Participants |
|---|---------|----------------------------------|------------|------------------------|------------------------|--------------------|---------|---------------|-----------------------|
| June 30, 2017   | 10      | 1                                | 0          | 1                      | 0                      | 0                  | 4       | 1             | 17                    |
| New Entrants  | 0       | 0                                | 0          | 0                      | 0                      | 0                  | 0       | 0             | 0                     |
| Rehires   | 0       | 0                                | 0          | 0                      | 0                      | 0                  | 0       | 0             | 0                     |
| Duty Disabilities                                     | 0       | 0                                | 0          | 0                      | 0                      | 0                  | 0       | 0             | 0                     |
| Ordinary Disabilities                                 | 0       | 0                                | 0          | 0                      | 0                      | 0                  | 0       | 0             | 0                     |
| Retirements   | 0       | (1)                              | 0          | 0                      | 0                      | 0                  | 1       | 0             | 0                     |
| Retirements from Safety with Misc Service             | 0       | 0                                | 0          | 0                      | 0                      | 0                  | 0       | 0             | 0                     |
| Vested Terminations                                   | (1)     | 0                                | 0          | 1                      | 0                      | 0                  | 0       | 0             | 0                     |
| Died, With Beneficiaries'<br>Benefit Payable          | 0       | 0                                | 0          | 0                      | 0                      | 0                  | 0       | 0             | 0                     |
| Non-Vested Terminations and Death without beneficiary | 0       | 0                                | 0          | 0                      | 0                      | 0                  | 0       | 0             | 0                     |
| Transfers   | 0       | 0                                | 0          | 0                      | 0                      | 0                  | 0       | 0             | 0                     |
| Beneficiary Deaths                                    | 0       | 0                                | 0          | 0                      | 0                      | 0                  | 0       | 0             | 0                     |
| Domestic Relations Orders                             | 0       | 0                                | 0          | 0                      | 0                      | 0                  | 0       | 0             | 0                     |
| Withdrawals Paid                                      | 0       | 0                                | 0          | 0                      | 0                      | 0                  | 0       | 0             | 0                     |
| Data Corrections                                      | 0       | 0                                | 0          | 0                      | 0                      | 0                  | 0       | 0             | 0                     |
| June 30, 2018   | 9       | 0                                | 0          | 2                      | 0                      | 0                  | 5       | 1             | 17                    |



## **APPENDIX A – MEMBERSHIP INFORMATION**

Changes in Plan Membership: Novato Fire Protection District Safety

|   | Actives | Transfer to | Non-vected | Vested Terminations | Ordinary<br>Disability | Duty<br>Disability | Retired | Beneficiaries | Total<br>Participants |
|---|---------|-------------|------------|---------------------|------------------------|--------------------|---------|---------------|-----------------------|
| June 30, 2017   | 64      | 10          | 4          | 2                   | 0                      | 31                 | 54      | 14            | 179                   |
| New Entrants  | 3       | 0           | 0          | 0                   | 0                      | 0                  | 0       | 0             | 3                     |
| Rehires   | 0       | 0           | 0          | 0                   | 0                      | 0                  | 0       | 0             | 0                     |
| Duty Disabilities                                     | 0       | 0           | 0          | 0                   | 0                      | 0                  | 0       | 0             | 0                     |
| Ordinary Disabilities                                 | 0       | 0           | 0          | 0                   | 0                      | 0                  | 0       | 0             | 0                     |
| Retirements   | (2)     | 0           | 0          | 0                   | 0                      | 0                  | 2       | 0             | 0                     |
| Retirements from Safety with Misc Service             | 0       | 0           | 0          | 0                   | 0                      | 0                  | 0       | 0             | 0                     |
| Vested Terminations                                   | 0       | 0           | 0          | 0                   | 0                      | 0                  | 0       | 0             | 0                     |
| Died, With Beneficiaries'<br>Benefit Payable          | 0       | 0           | 0          | 0                   | 0                      | 0                  | 0       | 0             | 0                     |
| Non-Vested Terminations and Death without beneficiary | 0       | 0           | 0          | 0                   | 0                      | 0                  | 0       | 0             | 0                     |
| Transfers   | 0       | 1           | (1)        | 0                   | 0                      | 0                  | 0       | 0             | 0                     |
| Beneficiary Deaths                                    | 0       | 0           | 0          | 0                   | 0                      | 0                  | 0       | 0             | 0                     |
| Domestic Relations Orders                             | 0       | 0           | 0          | 0                   | 0                      | 0                  | 0       | 0             | 0                     |
| Withdrawals Paid                                      | 0       | 0           | 0          | 0                   | 0                      | 0                  | 0       | 0             | 0                     |
| Data Corrections                                      | 0       | 0           | 0          | 0                   | 0                      | 1                  | (1)     | 0             | 0                     |
| June 30, 2018   | 65      | 11          | 3          | 2                   | 0                      | 32                 | 55      | 14            | 182                   |



#### APPENDIX A – MEMBERSHIP INFORMATION

Changes in Plan Membership: Novato Fire Protection District All Groups

|   | Actives | Transfer to Participating Agency | Non vocted | Vested<br>Terminations | Ordinary<br>Disability | Duty<br>Disability | Retired | Beneficiaries | Total<br>Participants |
|---|---------|----------------------------------|------------|------------------------|------------------------|--------------------|---------|---------------|-----------------------|
| June 30, 2017   | 77      | 11                               | 3          | 4                      | 0                      | 31                 | 56      | 16            | 198                   |
| New Entrants  | 3       | 0                                | 0          | 0                      | 0                      | 0                  | 0       | 0             | 3                     |
| Rehires   | 0       | 0                                | 0          | 0                      | 0                      | 0                  | 0       | 0             | 0                     |
| Duty Disabilities                                     | 0       | 0                                | 0          | 0                      | 0                      | 0                  | 0       | 0             | 0                     |
| Ordinary Disabilities                                 | 0       | 0                                | 0          | 0                      | 0                      | 0                  | 0       | 0             | 0                     |
| Retirements   | (2)     | (1)                              | 0          | 0                      | 0                      | 0                  | 3       | 0             | 0                     |
| Retirements from Safety with Misc Service             | 0       | 0                                | 0          | 0                      | 0                      | 0                  | 0       | 0             | 0                     |
| Vested Terminations                                   | (1)     | 0                                | 0          | 1                      | 0                      | 0                  | 0       | 0             | 0                     |
| Died, With Beneficiaries'<br>Benefit Payable          | 0       | 0                                | 0          | 0                      | 0                      | 0                  | 0       | 0             | 0                     |
| Non-Vested Terminations and Death without beneficiary | 0       | 0                                | 0          | 0                      | 0                      | 0                  | 0       | 0             | 0                     |
| Transfers   | 0       | 1                                | (1)        | 0                      | 0                      | 0                  | 0       | 0             | 0                     |
| Beneficiary Deaths                                    | 0       | 0                                | 0          | 0                      | 0                      | 0                  | 0       | 0             | 0                     |
| Domestic Relations Orders                             | 0       | 0                                | 0          | 0                      | 0                      | 0                  | 0       | 0             | 0                     |
| Withdrawals Paid                                      | 0       | 0                                | 0          | 0                      | 0                      | 0                  | 0       | 0             | 0                     |
| Data Corrections                                      | 0       | 0                                | 0          | 0                      | 0                      | 1                  | (1)     | 0             | 0                     |
| June 30, 2018   | 77      | 11                               | 2          | 5                      | 0                      | 32                 | 58      | 16            | 201                   |



## APPENDIX A – MEMBERSHIP INFORMATION

Changes in Plan Membership: City of San Rafael Miscellaneous

|   | Actives | Transfer to | Non-vected | Vested Terminations | Ordinary<br>Disability | Duty<br>Disability | Retired | Beneficiaries | Total<br>Participants |
|---|---------|-------------|------------|---------------------|------------------------|--------------------|---------|---------------|-----------------------|
| June 30, 2017   | 212     | 69          | 64         | 27                  | 2                      | 18                 | 247     | 31            | 670                   |
| New Entrants  | 33      | 0           | 0          | 0                   | 0                      | 0                  | 0       | 0             | 33                    |
| Rehires   | 1       | 0           | 0          | (1)                 | 0                      | 0                  | 0       | 0             | 0                     |
| Duty Disabilities                                     | 0       | (1)         | 0          | 0                   | 0                      | 1                  | 0       | 0             | 0                     |
| Ordinary Disabilities                                 | 0       | 0           | 0          | 0                   | 0                      | 0                  | 0       | 0             | 0                     |
| Retirements   | (14)    | 0           | (1)        | 0                   | 0                      | 0                  | 15      | 0             | 0                     |
| Retirements from Safety with Misc Service             | 0       | 0           | 0          | 0                   | 0                      | 0                  | 0       | 0             | 0                     |
| Vested Terminations                                   | (2)     | 0           | 0          | 2                   | 0                      | 0                  | 0       | 0             | 0                     |
| Died, With Beneficiaries'<br>Benefit Payable          | 0       | 0           | 0          | 0                   | 0                      | 0                  | (3)     | 3             | 0                     |
| Non-Vested Terminations and Death without beneficiary | (4)     | 0           | 3          | 0                   | 0                      | 0                  | (2)     | 0             | (3)                   |
| Transfers   | (5)     | 7           | (1)        | 0                   | 0                      | 0                  | 0       | 0             | 1                     |
| Beneficiary Deaths                                    | 0       | 0           | 0          | 0                   | 0                      | 0                  | 0       | (1)           | (1)                   |
| Domestic Relations Orders                             | 0       | 0           | 0          | 0                   | 0                      | 0                  | 0       | 0             | 0                     |
| Withdrawals Paid                                      | (3)     | (1)         | (5)        | (1)                 | 0                      | 0                  | 0       | 0             | (10)                  |
| Data Corrections                                      | 0       | 1           | 0          | 0                   | 0                      | 0                  | 0       | 0             | 1                     |
| June 30, 2018   | 218     | 75          | 60         | 27                  | 2                      | 19                 | 257     | 33            | 691                   |



## APPENDIX A – MEMBERSHIP INFORMATION

Changes in Plan Membership: City of San Rafael Police

|   | Actives | Transfer to<br>Participating | Non-vested<br>Terminations | Vested Terminations | Ordinary<br>Disability | Duty<br>Disability | Retired | Beneficiaries | Total<br>Participants |
|---|---------|------------------------------|----------------------------|---------------------|------------------------|--------------------|---------|---------------|-----------------------|
| June 30, 2017   | 82      | Agency<br>18                 | Due Refunds                | 7                   | 0                      | 38                 | 77      | 16            | 251                   |
| ·   |         |                              |                            |                     |                        |                    |         |               |                       |
| New Entrants  | 10      | 0                            | 0                          | 0                   | 0                      | 0                  | 0       | 0             | 10                    |
| Rehires   | 0       | 0                            | 0                          | 0                   | 0                      | 0                  | 0       | 0             | 0                     |
| Duty Disabilities                                     | (3)     | 0                            | 0                          | 0                   | 0                      | 3                  | 0       | 0             | 0                     |
| Ordinary Disabilities                                 | 0       | 0                            | 0                          | 0                   | 0                      | 0                  | 0       | 0             | 0                     |
| Retirements   | (1)     | (4)                          | (1)                        | (1)                 | 0                      | 0                  | 6       | 1             | 0                     |
| Retirements from Safety with Misc Service             | 0       | 0                            | 0                          | 0                   | 0                      | 0                  | 0       | 0             | 0                     |
| Vested Terminations                                   | 0       | 0                            | 0                          | 0                   | 0                      | 0                  | 0       | 0             | 0                     |
| Died, With Beneficiaries'<br>Benefit Payable          | 0       | 0                            | 0                          | 0                   | 0                      | 0                  | (2)     | 2             | 0                     |
| Non-Vested Terminations and Death without beneficiary | (1)     | 0                            | 1                          | 0                   | 0                      | 0                  | 0       | 0             | 0                     |
| Transfers   | 2       | 1                            | (1)                        | 0                   | 0                      | 0                  | 0       | 0             | 2                     |
| Beneficiary Deaths                                    | 0       | 0                            | 0                          | 0                   | 0                      | 0                  | 0       | (1)           | (1)                   |
| Domestic Relations Orders                             | 0       | 0                            | 0                          | 0                   | 0                      | 0                  | 0       | 0             | 0                     |
| Withdrawals Paid                                      | 0       | 0                            | (3)                        | 0                   | 0                      | 0                  | 0       | 0             | (3)                   |
| Data Corrections                                      | 0       | (1)                          | 0                          | 0                   | 0                      | 1                  | (1)     | 0             | (1)                   |
| June 30, 2018   | 89      | 14                           | 9                          | 6                   | 0                      | 42                 | 80      | 18            | 258                   |



## APPENDIX A – MEMBERSHIP INFORMATION

Changes in Plan Membership: City of San Rafael Fire

|  | Actives | Transfor to | Non-vested<br>Terminations<br>Due Refunds | Vested Terminations | Ordinary<br>Disability | Duty<br>Disability | Retired | Beneficiaries | Total<br>Participants |
|--|---------|-------------|---|---------------------|------------------------|--------------------|---------|---------------|-----------------------|
| June 30, 2017  | 54      | 6           | 5   | 1                   | 0                      | 21                 | 84      | 22            | 193                   |
| New Entrants   | 0       | 0           | 0   | 0                   | 0                      | 0                  | 0       | 0             | 0                     |
| Rehires  | 0       | 0           | 0   | 0                   | 0                      | 0                  | 0       | 0             | 0                     |
| Duty Disabilities  | 0       | 0           | 0   | 0                   | 0                      | 0                  | 0       | 0             | 0                     |
| Ordinary Disabilities                                    | 0       | 0           | 0   | 0                   | 0                      | 0                  | 0       | 0             | 0                     |
| Retirements  | (2)     | (3)         | 0   | 0                   | 0                      | 0                  | 5       | 0             | 0                     |
| Retirements from Safety with Misc Service                | 0       | 0           | 0   | 0                   | 0                      | 0                  | 0       | 0             | 0                     |
| Vested Terminations                                      | 0       | 0           | 0   | 0                   | 0                      | 0                  | 0       | 0             | 0                     |
| Died, With Beneficiaries'<br>Benefit Payable             | 0       | 0           | 0   | 0                   | 0                      | 0                  | 0       | 0             | 0                     |
| Non-Vested Terminations and<br>Death without beneficiary | 0       | 0           | 0   | 0                   | 0                      | 0                  | 0       | 0             | 0                     |
| Transfers  | 0       | 0           | 0   | 0                   | 0                      | 0                  | 0       | 0             | 0                     |
| Beneficiary Deaths                                       | 0       | 0           | 0   | 0                   | 0                      | 0                  | 0       | (1)           | (1)                   |
| Domestic Relations Orders                                | 0       | 0           | 0   | 0                   | 0                      | 0                  | 0       | 0             | 0                     |
| Withdrawals Paid   | 0       | 0           | 0   | 0                   | 0                      | 0                  | 0       | 0             | 0                     |
| Data Corrections   | 0       | 1           | 0   | 0                   | 0                      | 0                  | 0       | 0             | 1                     |
| June 30, 2018  | 52      | 4           | 5   | 1                   | 0                      | 21                 | 89      | 21            | 193                   |



## APPENDIX A – MEMBERSHIP INFORMATION

Changes in Plan Membership: City of San Rafael All Groups

|   | Actives | Transfer to | Non-vected | Vested Terminations | Ordinary<br>Disability | Duty<br>Disability | Retired | Beneficiaries | Total<br>Participants |
|---|---------|-------------|------------|---------------------|------------------------|--------------------|---------|---------------|-----------------------|
| June 30, 2017   | 348     | 93          | 82         | 35                  | 2                      | 77                 | 408     | 69            | 1,114                 |
| New Entrants  | 43      | 0           | 0          | 0                   | 0                      | 0                  | 0       | 0             | 43                    |
| Rehires   | 1       | 0           | 0          | (1)                 | 0                      | 0                  | 0       | 0             | 0                     |
| Duty Disabilities                                     | (3)     | (1)         | 0          | 0                   | 0                      | 4                  | 0       | 0             | 0                     |
| Ordinary Disabilities                                 | 0       | 0           | 0          | 0                   | 0                      | 0                  | 0       | 0             | 0                     |
| Retirements   | (17)    | (7)         | (2)        | (1)                 | 0                      | 0                  | 26      | 1             | 0                     |
| Retirements from Safety with Misc Service             | 0       | 0           | 0          | 0                   | 0                      | 0                  | 0       | 0             | 0                     |
| Vested Terminations                                   | (2)     | 0           | 0          | 2                   | 0                      | 0                  | 0       | 0             | 0                     |
| Died, With Beneficiaries'<br>Benefit Payable          | 0       | 0           | 0          | 0                   | 0                      | 0                  | (5)     | 5             | 0                     |
| Non-Vested Terminations and Death without beneficiary | (5)     | 0           | 4          | 0                   | 0                      | 0                  | (2)     | 0             | (3)                   |
| Transfers   | (3)     | 8           | (2)        | 0                   | 0                      | 0                  | 0       | 0             | 3                     |
| Beneficiary Deaths                                    | 0       | 0           | 0          | 0                   | 0                      | 0                  | 0       | (3)           | (3)                   |
| Domestic Relations Orders                             | 0       | 0           | 0          | 0                   | 0                      | 0                  | 0       | 0             | 0                     |
| Withdrawals Paid                                      | (3)     | (1)         | (8)        | (1)                 | 0                      | 0                  | 0       | 0             | (13)                  |
| Data Corrections                                      | 0       | 1           | 0          | 0                   | 0                      | 1                  | (1)     | 0             | 1                     |
| June 30, 2018   | 359     | 93          | 74         | 34                  | 2                      | 82                 | 426     | 72            | 1,142                 |



| Status   | Marin | County | Marin Spec | cial Districts | Total |
|--|-------|--------|------------|----------------|-------|
|  | Misc  | Safety | Misc       | Safety         |       |
| Service Retired                                  |       |        |            |                |       |
| Option 1 - Cash Refund Annuity                   | 56    | 2      | 5          | 0              | 63    |
| Option 2 - J&S 100%                              | 71    | 21     | 11         | 5              | 108   |
| Option 3 - J&S 50%                               | 8     | 2      | 0          | 1              | 11    |
| Option 4   | 1     | 0      | 0          | 0              | 1     |
| Unmodified Benefit Option                        | 1,407 | 236    | 118        | 22             | 1,783 |
| Unmodified Option - Service Connected Disability | 0     | 0      | 0          | 0              | 0     |
| (missing)  | 1     | 0      | 0          | 0              | 1     |
| Total Service Retired                            | 1,544 | 261    | 134        | 28             | 1,967 |
| Ordinary Disability                              |       |        |            |                |       |
| Option 1 - Cash Refund Annuity                   | 4     | 0      | 0          | 0              | 4     |
| Option 2 - J&S 100%                              | 2     | 0      | 0          | 0              | 2     |
| Option 3 - J&S 50%                               | 0     | 0      | 0          | 0              | 0     |
| Option 4   | 0     | 0      | 0          | 0              | 0     |
| Unmodified Benefit Option                        | 24    | 7      | 2          | 1              | 34    |
| Unmodified Option - Service Connected Disability | 0     | 0      | 0          | 0              | 0     |
| (missing)  | 0     | 0      | 0          | 0              | 0     |
| Total Ordinary Disability                        | 30    | 7      | 2          | 1              | 40    |
| Duty Disability                                  |       |        |            |                |       |
| Option 1 - Cash Refund Annuity                   | 1     | 2      | 1          | 0              | 4     |
| Option 2 - J&S 100%                              | 0     | 1      | 0          | 1              | 2     |
| Option 3 - J&S 50%                               | 1     | 1      | 0          | 0              | 2     |
| Option 4   | 0     | 0      | 0          | 0              | 0     |
| Unmodified Benefit Option                        | 3     | 6      | 1          | 0              | 10    |
| Unmodified Option - Service Connected Disability | 80    | 94     | 2          | 16             | 192   |
| (missing)  | 0     | 0      | 0          | 0              | 0     |
| Total Duty Disability                            | 85    | 104    | 4          | 17             | 210   |
| Total  | 1,659 | 372    | 140        | 46             | 2,217 |



| Benefit Form Elections: Novato Fire Protection Dis | strict        |        |       |
|--|---------------|--------|-------|
| Status   | Miscellaneous | Safety | Total |
| Service Retired                                    |               |        |       |
| Option 1 - Cash Refund Annuity                     | 0             | 0      | 0     |
| Option 2 - J&S 100%                                | 0             | 1      | 1     |
| Option 3 - J&S 50%                                 | 1             | 0      | 1     |
| Option 4   | 0             | 0      | 0     |
| Unmodified Benefit Option                          | 4             | 54     | 58    |
| Unmodified Option - Service Connected Disability   | 0             | 0      | 0     |
| (missing)  | 0             | 0      | 0     |
| Total Service Retired                              | 5             | 55     | 60    |
| Ordinary Disability                                |               |        |       |
| Option 1 - Cash Refund Annuity                     | 0             | 0      | 0     |
| Option 2 - J&S 100%                                | 0             | 0      | 0     |
| Option 3 - J&S 50%                                 | 0             | 0      | 0     |
| Option 4   | 0             | 0      | 0     |
| Unmodified Benefit Option                          | 0             | 0      | 0     |
| Unmodified Option - Service Connected Disability   | 0             | 0      | 0     |
| (missing)  | 0             | 0      | 0     |
| Total Ordinary Disability                          | 0             | 0      | 0     |
| Duty Disability                                    |               |        |       |
| Option 1 - Cash Refund Annuity                     | 0             | 0      | 0     |
| Option 2 - J&S 100%                                | 0             | 0      | 0     |
| Option 3 - J&S 50%                                 | 0             | 0      | 0     |
| Option 4   | 0             | 0      | 0     |
| Unmodified Benefit Option                          | 0             | 2      | 2     |
| Unmodified Option - Service Connected Disability   | 0             | 30     | 30    |
| (missing)  | 0             | 0      | 0     |
| Total Duty Disability                              | 0             | 32     | 32    |
| Total  | 5             | 87     | 92    |



| Benefit Form Elections: City of San Rafael       |               |        |      |       |
|--|---------------|--------|------|-------|
|  | Miscellaneous | Police | Fire | Total |
| Service Retired                                  |               |        |      |       |
| Option 1 - Cash Refund Annuity                   | 5             | 1      | 0    | 6     |
| Option 2 - J&S 100%                              | 22            | 14     | 5    | 41    |
| Option 3 - J&S 50%                               | 2             | 0      | 1    | 3     |
| Option 4   | 0             | 0      | 0    | 0     |
| Unmodified Benefit Option                        | 228           | 64     | 83   | 375   |
| Unmodified Option - Service Connected Disability | 0             | 0      | 0    | 0     |
| (missing)  | 0             | 1      | 0    | 1     |
| Total Service Retired                            | 257           | 80     | 89   | 426   |
| Ordinary Disability                              |               |        |      |       |
| Option 1 - Cash Refund Annuity                   | 0             | 0      | 0    | 0     |
| Option 2 - J&S 100%                              | 0             | 0      | 0    | 0     |
| Option 3 - J&S 50%                               | 0             | 0      | 0    | 0     |
| Option 4   | 0             | 0      | 0    | 0     |
| Unmodified Benefit Option                        | 2             | 0      | 0    | 2     |
| Unmodified Option - Service Connected Disability | 0             | 0      | 0    | 0     |
| (missing)  | 0             | 0      | 0    | 0     |
| Total Ordinary Disability                        | 2             | 0      | 0    | 2     |
| Duty Disability                                  |               |        |      |       |
| Option 1 - Cash Refund Annuity                   | 1             | 1      | 0    | 2     |
| Option 2 - J&S 100%                              | 0             | 0      | 0    | 0     |
| Option 3 - J&S 50%                               | 0             | 0      | 0    | 0     |
| Option 4   | 0             | 0      | 0    | 0     |
| Unmodified Benefit Option                        | 1             | 1      | 0    | 2     |
| Unmodified Option - Service Connected Disability | 17            | 40     | 21   | 78    |
| (missing)  | 0             | 0      | 0    | 0     |
| Total Duty Disability                            | 19            | 42     | 21   | 82    |
| Total  | 278           | 122    | 110  | 510   |



#### APPENDIX A - MEMBERSHIP INFORMATION

Marin County and Special Districts: Service Retired

|                 |         | Marin    | County |            | N       | Iarin Spec | ts     |              |        |            |
|-----------------|---------|----------|--------|------------|---------|------------|--------|--------------|--------|------------|
|                 | Miscell | laneous  | Saf    | <u>ety</u> | Miscell | aneous     | Saf    | f <u>ety</u> | To     | <u>tal</u> |
|                 |         | Average  |        | Average    |         | Average    |        | Average      |        | Average    |
| Age             | Number  | Annual   | Number | Annual     | Number  | Annual     | Number | Annual       | Number | Annual     |
|                 |         | Benefit  |        | Benefit    |         | Benefit    |        | Benefit      |        | Benefit    |
| 0 to 24         | 0       | \$0      | 0      | \$0        | 0       | \$0        | 0      | \$0          | 0      | \$0        |
| 25 to 29        | 0       | \$0      | 0      | \$0        | 0       | \$0        | 0      | \$0          | 0      | \$0        |
| 30 to 34        | 0       | \$0      | 0      | \$0        | 0       | \$0        | 0      | \$0          | 0      | \$0        |
| 35 to 39        | 0       | \$0      | 0      | \$0        | 0       | \$0        | 0      | \$0          | 0      | \$0        |
| 40 to 44        | 0       | \$0      | 0      | \$0        | 0       | \$0        | 0      | \$0          | 0      | \$0        |
| 45 to 49        | 0       | \$0      | 3      | \$55,099   | 0       | \$0        | 0      | \$0          | 3      | \$55,099   |
| 50 to 54        | 23      | \$21,787 | 35     | \$47,080   | 1       | \$3,844    | 1      | \$12,814     | 60     | \$36,093   |
| 55 to 59        | 92      | \$25,548 | 56     | \$70,693   | 24      | \$34,002   | 7      | \$36,146     | 179    | \$41,220   |
| 60 to 64        | 197     | \$37,144 | 58     | \$70,578   | 24      | \$35,787   | 10     | \$79,044     | 289    | \$45,191   |
| 65 to 69        | 319     | \$40,563 | 43     | \$81,320   | 31      | \$45,451   | 7      | \$83,295     | 400    | \$46,071   |
| 70 to 74        | 346     | \$39,625 | 33     | \$59,773   | 29      | \$34,027   | 2      | \$55,380     | 410    | \$40,928   |
| 75 to 79        | 266     | \$43,029 | 19     | \$103,788  | 18      | \$38,473   | 1      | \$157,050    | 304    | \$46,932   |
| 80 to 84        | 161     | \$33,832 | 10     | \$47,269   | 4       | \$64,227   | 0      | \$0          | 175    | \$35,294   |
| 85 to 89        | 89      | \$34,069 | 4      | \$62,881   | 2       | \$27,826   | 0      | \$0          | 95     | \$35,151   |
| 90 to 94        | 39      | \$27,721 | 0      | \$0        | 1       | \$20,104   | 0      | \$0          | 40     | \$27,530   |
| 95+             | 12      | \$25,302 | 0      | \$0        | 0       | \$0        | 0      | \$0          | 12     | \$25,302   |
| <total></total> | 1,544   | \$37,648 | 261    | \$69,084   | 134     | \$38,058   | 28     | \$68,112     | 1,967  | \$42,281   |

Marin County and Special Districts: Duty Disabled

|                 |         | Marin    | County     |            | N       | Iarin Spec     |        |            |           |            |
|-----------------|---------|----------|------------|------------|---------|----------------|--------|------------|-----------|------------|
|                 | Miscell | aneous   | <u>Saf</u> | <u>ety</u> | Miscell | <u>laneous</u> | Saf    | <u>ety</u> | <u>To</u> | <u>tal</u> |
|                 |         | Average  |            | Average    |         | Average        |        | Average    |           | Average    |
| Age             | Number  | Annual   | Number     | Annual     | Number  | Annual         | Number | Annual     | Number    | Annual     |
|                 |         | Benefit  |            | Benefit    |         | Benefit        |        | Benefit    |           | Benefit    |
| 0 to 24         | 0       | \$0      | 0          | \$0        | 0       | \$0            | 0      | \$0        | 0         | \$0        |
| 25 to 29        | 0       | \$0      | 0          | \$0        | 0       | \$0            | 0      | \$0        | 0         | \$0        |
| 30 to 34        | 0       | \$0      | 1          | \$50,185   | 0       | \$0            | 0      | \$0        | 1         | \$50,185   |
| 35 to 39        | 0       | \$0      | 3          | \$49,599   | 0       | \$0            | 0      | \$0        | 3         | \$49,599   |
| 40 to 44        | 0       | \$0      | 1          | \$37,667   | 0       | \$0            | 0      | \$0        | 1         | \$37,667   |
| 45 to 49        | 3       | \$28,656 | 5          | \$45,476   | 1       | \$14,824       | 1      | \$46,334   | 10        | \$37,451   |
| 50 to 54        | 3       | \$33,516 | 16         | \$50,675   | 0       | \$0            | 1      | \$57,539   | 20        | \$48,445   |
| 55 to 59        | 12      | \$35,256 | 20         | \$46,417   | 0       | \$0            | 1      | \$51,789   | 33        | \$42,521   |
| 60 to 64        | 13      | \$32,752 | 12         | \$74,698   | 0       | \$0            | 3      | \$64,401   | 28        | \$54,120   |
| 65 to 69        | 20      | \$36,701 | 14         | \$46,637   | 0       | \$0            | 5      | \$53,499   | 39        | \$42,421   |
| 70 to 74        | 13      | \$43,713 | 12         | \$67,510   | 3       | \$23,765       | 4      | \$62,505   | 32        | \$53,116   |
| 75 to 79        | 10      | \$30,651 | 13         | \$56,522   | 0       | \$0            | 2      | \$40,433   | 25        | \$44,887   |
| 80 to 84        | 10      | \$53,246 | 5          | \$43,476   | 0       | \$0            | 0      | \$0        | 15        | \$49,990   |
| 85 to 89        | 1       | \$16,045 | 1          | \$33,508   | 0       | \$0            | 0      | \$0        | 2         | \$24,777   |
| 90 to 94        | 0       | \$0      | 1          | \$31,836   | 0       | \$0            | 0      | \$0        | 1         | \$31,836   |
| 95+             | 0       | \$0      | 0          | \$0        | 0       | \$0            | 0      | \$0        | 0         | \$0        |
| <total></total> | 85      | \$37,561 | 104        | \$53,655   | 4       | \$21,530       | 17     | \$55,720   | 210       | \$46,696   |



## APPENDIX A – MEMBERSHIP INFORMATION

Marin County and Special Districts: Ordinary Disabled

|                 |         | Marin    | County  |            | N       | Iarin Spec | ts         |            |         |          |
|-----------------|---------|----------|---------|------------|---------|------------|------------|------------|---------|----------|
|                 | Miscell | laneous  | Saf     | <u>ety</u> | Miscell | aneous     | <u>Saf</u> | <u>ety</u> | To      | tal      |
|                 |         | Average  | Average |            | Average |            | Average    |            | Average |          |
| Age             | Number  | Annual   | Number  | Annual     | Number  | Annual     | Number     | Annual     | Number  | Annual   |
|                 |         | Benefit  |         | Benefit    |         | Benefit    |            | Benefit    |         | Benefit  |
| 0 to 24         | 0       | \$0      | 0       | \$0        | 0       | \$0        | 0          | \$0        | 0       | \$0      |
| 25 to 29        | 0       | \$0      | 0       | \$0        | 0       | \$0        | 0          | \$0        | 0       | \$0      |
| 30 to 34        | 0       | \$0      | 0       | \$0        | 0       | \$0        | 0          | \$0        | 0       | \$0      |
| 35 to 39        | 0       | \$0      | 1       | \$36,511   | 0       | \$0        | 0          | \$0        | 1       | \$36,511 |
| 40 to 44        | 0       | \$0      | 0       | \$0        | 0       | \$0        | 0          | \$0        | 0       | \$0      |
| 45 to 49        | 1       | \$2,290  | 0       | \$0        | 0       | \$0        | 0          | \$0        | 1       | \$2,290  |
| 50 to 54        | 1       | \$24,318 | 0       | \$0        | 0       | \$0        | 0          | \$0        | 1       | \$24,318 |
| 55 to 59        | 1       | \$21,960 | 4       | \$61,726   | 1       | \$36,608   | 1          | \$73,398   | 7       | \$54,124 |
| 60 to 64        | 6       | \$23,563 | 1       | \$134,002  | 0       | \$0        | 0          | \$0        | 7       | \$39,340 |
| 65 to 69        | 1       | \$32,797 | 0       | \$0        | 0       | \$0        | 0          | \$0        | 1       | \$32,797 |
| 70 to 74        | 12      | \$19,522 | 1       | \$25,957   | 1       | \$14,120   | 0          | \$0        | 14      | \$19,596 |
| 75 to 79        | 6       | \$19,816 | 0       | \$0        | 0       | \$0        | 0          | \$0        | 6       | \$19,816 |
| 80 to 84        | 0       | \$0      | 0       | \$0        | 0       | \$0        | 0          | \$0        | 0       | \$0      |
| 85 to 89        | 1       | \$2,896  | 0       | \$0        | 0       | \$0        | 0          | \$0        | 1       | \$2,896  |
| 90 to 94        | 1       | \$57,789 | 0       | \$0        | 0       | \$0        | 0          | \$0        | 1       | \$57,789 |
| 95+             | 0       | \$0      | 0       | \$0        | 0       | \$0        | 0          | \$0        | 0       | \$0      |
| <total></total> | 30      | \$21,220 | 7       | \$63,339   | 2       | \$25,364   | 1          | \$73,398   | 40      | \$30,102 |

**Marin County and Special Districts: Beneficiaries** 

|                 |         | Marin    | County     |            | N       | Iarin Spec |            |            |           |            |
|-----------------|---------|----------|------------|------------|---------|------------|------------|------------|-----------|------------|
|                 | Miscell | aneous   | <u>Saf</u> | <u>ety</u> | Miscell | aneous     | <u>Saf</u> | <u>ety</u> | <u>To</u> | <u>tal</u> |
|                 |         | Average  | Average    |            |         | Average    |            | Average    |           | Average    |
| Age             | Number  | Annual   | Number     | Annual     | Number  | Annual     | Number     | Annual     | Number    | Annual     |
|                 |         | Benefit  |            | Benefit    |         | Benefit    |            | Benefit    |           | Benefit    |
| 0 to 24         | 2       | \$38,735 | 0          | \$0        | 0       | \$0        | 0          | \$0        | 2         | \$38,735   |
| 25 to 29        | 0       | \$0      | 0          | \$0        | 0       | \$0        | 0          | \$0        | 0         | \$0        |
| 30 to 34        | 0       | \$0      | 0          | \$0        | 0       | \$0        | 0          | \$0        | 0         | \$0        |
| 35 to 39        | 1       | \$32,581 | 1          | \$29,611   | 0       | \$0        | 0          | \$0        | 2         | \$31,096   |
| 40 to 44        | 3       | \$6,451  | 0          | \$0        | 1       | \$14,824   | 0          | \$0        | 4         | \$8,544    |
| 45 to 49        | 4       | \$26,261 | 1          | \$11,709   | 1       | \$8,681    | 1          | \$45,356   | 7         | \$24,398   |
| 50 to 54        | 5       | \$17,745 | 6          | \$39,784   | 2       | \$14,183   | 0          | \$0        | 13        | \$27,369   |
| 55 to 59        | 17      | \$16,697 | 9          | \$52,760   | 1       | \$8,681    | 2          | \$57,819   | 29        | \$30,449   |
| 60 to 64        | 24      | \$24,805 | 10         | \$30,814   | 1       | \$35,738   | 2          | \$53,328   | 37        | \$28,266   |
| 65 to 69        | 38      | \$26,052 | 11         | \$34,737   | 1       | \$40,341   | 0          | \$0        | 50        | \$28,249   |
| 70 to 74        | 40      | \$31,813 | 9          | \$74,192   | 4       | \$14,353   | 2          | \$33,866   | 55        | \$37,553   |
| 75 to 79        | 36      | \$21,600 | 9          | \$30,426   | 1       | \$15,729   | 2          | \$44,579   | 48        | \$24,090   |
| 80 to 84        | 37      | \$32,739 | 6          | \$33,803   | 2       | \$21,884   | 0          | \$0        | 45        | \$32,398   |
| 85 to 89        | 30      | \$23,135 | 4          | \$35,689   | 1       | \$4,678    | 1          | \$7,858    | 36        | \$23,593   |
| 90 to 94        | 22      | \$20,468 | 2          | \$39,344   | 0       | \$0        | 0          | \$0        | 24        | \$22,041   |
| 95+             | 11      | \$17,087 | 1          | \$32,058   | 0       | \$0        | 0          | \$0        | 12        | \$18,334   |
| <total></total> | 270     | \$25,134 | 69         | \$41,203   | 15      | \$17,214   | 10         | \$43,240   | 364       | \$28,351   |



## **APPENDIX A – MEMBERSHIP INFORMATION**

**Novato Fire Protection District: Service Retired** 

|                 | Miscel | Miscellaneous                |        | fety      | <u>Total</u> |           |  |
|-----------------|--------|------------------------------|--------|-----------|--------------|-----------|--|
| Age             | Number | Average<br>Annual<br>Benefit | Number | Average   | Number       | Average   |  |
| 0 to 24         | 0      | \$0                          | 0      | \$0       | 0            | \$0       |  |
| 25 to 29        | 0      | \$0                          | 0      | \$0       | 0            | \$0       |  |
| 30 to 34        | 0      | \$0                          | 0      | \$0       | 0            | \$0       |  |
| 35 to 39        | 0      | \$0                          | 0      | \$0       | 0            | \$0       |  |
| 40 to 44        | 0      | \$0                          | 0      | \$0       | 0            | \$0       |  |
| 45 to 49        | 0      | \$0                          | 1      | \$60,586  | 1            | \$60,586  |  |
| 50 to 54        | 0      | \$0                          | 4      | \$168,222 | 4            | \$168,222 |  |
| 55 to 59        | 2      | \$7,471                      | 5      | \$81,505  | 7            | \$60,353  |  |
| 60 to 64        | 0      | \$0                          | 10     | \$115,635 | 10           | \$115,635 |  |
| 65 to 69        | 2      | \$26,217                     | 12     | \$87,758  | 14           | \$78,966  |  |
| 70 to 74        | 0      | \$0                          | 14     | \$116,970 | 14           | \$116,970 |  |
| 75 to 79        | 1      | \$104,782                    | 8      | \$96,820  | 9            | \$97,704  |  |
| 80 to 84        | 0      | \$0                          | 1      | \$9,562   | 1            | \$9,562   |  |
| 85 to 89        | 0      | \$0                          | 0      | \$0       | 0            | \$0       |  |
| 90 to 94        | 0      | \$0                          | 0      | \$0       | 0            | \$0       |  |
| 95+             | 0      | \$0                          | 0      | \$0       | 0            | \$0       |  |
| <total></total> | 5      | \$34,432                     | 55     | \$104,948 | 60           | \$99,072  |  |

**Novato Fire Protection District: Duty Disabled** 

|                 | Miscell | <u>Miscellaneous</u>         |        | <u>fety</u>                  | To     | <u>tal</u>                   |
|-----------------|---------|------------------------------|--------|------------------------------|--------|------------------------------|
| Age             | Number  | Average<br>Annual<br>Benefit | Number | Average<br>Annual<br>Benefit | Number | Average<br>Annual<br>Benefit |
| 0 to 24         | 0       | \$0                          | 0      | \$0                          | 0      | \$0                          |
| 25 to 29        | 0       | \$0                          | 0      | \$0                          | 0      | \$0                          |
| 30 to 34        | 0       | \$0                          | 0      | \$0                          | 0      | \$0                          |
| 35 to 39        | 0       | \$0                          | 0      | \$0                          | 0      | \$0                          |
| 40 to 44        | 0       | \$0                          | 0      | \$0                          | 0      | \$0                          |
| 45 to 49        | 0       | \$0                          | 0      | \$0                          | 0      | \$0                          |
| 50 to 54        | 0       | \$0                          | 2      | \$109,562                    | 2      | \$109,562                    |
| 55 to 59        | 0       | \$0                          | 2      | \$48,235                     | 2      | \$48,235                     |
| 60 to 64        | 0       | \$0                          | 2      | \$100,087                    | 2      | \$100,087                    |
| 65 to 69        | 0       | \$0                          | 8      | \$65,815                     | 8      | \$65,815                     |
| 70 to 74        | 0       | \$0                          | 9      | \$77,845                     | 9      | \$77,845                     |
| 75 to 79        | 0       | \$0                          | 8      | \$58,376                     | 8      | \$58,376                     |
| 80 to 84        | 0       | \$0                          | 1      | \$75,298                     | 1      | \$75,298                     |
| 85 to 89        | 0       | \$0                          | 0      | \$0                          | 0      | \$0                          |
| 90 to 94        | 0       | \$0                          | 0      | \$0                          | 0      | \$0                          |
| 95+             | 0       | \$0                          | 0      | \$0                          | 0      | \$0                          |
| <total></total> | 0       | \$0                          | 32     | \$71,412                     | 32     | \$71,412                     |



## **APPENDIX A – MEMBERSHIP INFORMATION**

**Novato Fire Protection District: Ordinary Disabled** 

|                 | Miscell | <u>Miscellaneous</u> |        | et <u>y</u>       | To     | <u>tal</u> |
|-----------------|---------|----------------------|--------|-------------------|--------|------------|
| Age             | Number  |                      | Number | Average<br>Annual | Number |            |
| 0 . 24          | 0       | Benefit              |        | Benefit           |        | Benefit    |
| 0 to 24         | 0       | \$0                  | 0      | \$0               | 0      | \$0        |
| 25 to 29        | 0       | \$0                  | 0      | \$0               | 0      | \$0        |
| 30 to 34        | 0       | \$0                  | 0      | \$0               | 0      | \$0        |
| 35 to 39        | 0       | \$0                  | 0      | \$0               | 0      | \$0        |
| 40 to 44        | 0       | \$0                  | 0      | \$0               | 0      | \$0        |
| 45 to 49        | 0       | \$0                  | 0      | \$0               | 0      | \$0        |
| 50 to 54        | 0       | \$0                  | 0      | \$0               | 0      | \$0        |
| 55 to 59        | 0       | \$0                  | 0      | \$0               | 0      | \$0        |
| 60 to 64        | 0       | \$0                  | 0      | \$0               | 0      | \$0        |
| 65 to 69        | 0       | \$0                  | 0      | \$0               | 0      | \$0        |
| 70 to 74        | 0       | \$0                  | 0      | \$0               | 0      | \$0        |
| 75 to 79        | 0       | \$0                  | 0      | \$0               | 0      | \$0        |
| 80 to 84        | 0       | \$0                  | 0      | \$0               | 0      | \$0        |
| 85 to 89        | 0       | \$0                  | 0      | \$0               | 0      | \$0        |
| 90 to 94        | 0       | \$0                  | 0      | \$0               | 0      | \$0        |
| 95+             | 0       | \$0                  | 0      | \$0               | 0      | \$0        |
| <total></total> | 0       | \$0                  | 0      | \$0               | 0      | \$0        |

**Novato Fire Protection District: Surviving Beneficiaries** 

|                 | <u>Miscellaneous</u> |                   | <u>Saf</u> | <u>ety</u>        | <u>Total</u> |                   |  |
|-----------------|----------------------|-------------------|------------|-------------------|--------------|-------------------|--|
|                 |                      | Average           |            | Average           |              | Average           |  |
| Age             | Number               | Annual<br>Benefit | Number     | Annual<br>Benefit | Number       | Annual<br>Benefit |  |
| 0 to 24         | 0                    | \$0               | 0          | \$0               | 0            | \$0               |  |
| 25 to 29        | 0                    | \$0<br>\$0        | 0          | \$0<br>\$0        | 0            | \$0<br>\$0        |  |
| 30 to 34        | 0                    | \$0<br>\$0        | 0          | \$0<br>\$0        | 0            | \$0<br>\$0        |  |
| 35 to 39        | 0                    | \$0<br>\$0        | 0          | \$0<br>\$0        | 0            | \$0<br>\$0        |  |
| 40 to 44        | 0                    | \$0<br>\$0        | 0          | \$0<br>\$0        | 0            | \$0<br>\$0        |  |
| 45 to 49        | 0                    | \$0<br>\$0        | 0          | \$0<br>\$0        | 0            | \$0<br>\$0        |  |
| 50 to 54        | 0                    | \$0               | 1          | \$76,162          | 1            | \$76,162          |  |
| 55 to 59        | 1                    | \$11,890          | 4          | \$37,401          | 5            | \$32,299          |  |
| 60 to 64        | 0                    | \$0               | 2          | \$35,385          | 2            | \$35,385          |  |
| 65 to 69        | 0                    | \$0               | 4          | \$40,393          | 4            | \$40,393          |  |
| 70 to 74        | 0                    | \$0               | 2          | \$48,195          | 2            | \$48,195          |  |
| 75 to 79        | 0                    | \$0               | 1          | \$61,032          | 1            | \$61,032          |  |
| 80 to 84        | 0                    | \$0               | 0          | \$0               | 0            | \$0               |  |
| 85 to 89        | 0                    | \$0               | 0          | \$0               | 0            | \$0               |  |
| 90 to 94        | 0                    | \$0               | 0          | \$0               | 0            | \$0               |  |
| 95+             | 0                    | \$0               | 0          | \$0               | 0            | \$0               |  |
| <total></total> | 1                    | \$11,890          | 14         | \$43,966          | 15           | \$41,828          |  |



## **APPENDIX A – MEMBERSHIP INFORMATION**

City of San Rafael: Service Retired

|                 | Miscell | <u>Miscellaneous</u>         |        | <u>Police</u>                |        | <u>Fire</u>                  |        | <u>Total</u>                 |  |
|-----------------|---------|------------------------------|--------|------------------------------|--------|------------------------------|--------|------------------------------|--|
| Age             | Number  | Average<br>Annual<br>Benefit | Number | Average<br>Annual<br>Benefit | Number | Average<br>Annual<br>Benefit | Number | Average<br>Annual<br>Benefit |  |
| 0 to 24         | 0       | \$0                          | 0      | \$0                          | 0      | \$0                          | 0      | \$0                          |  |
| 25 to 29        | 0       | \$0                          | 0      | \$0                          | 0      | \$0                          | 0      | \$0                          |  |
| 30 to 34        | 0       | \$0                          | 0      | \$0                          | 0      | \$0                          | 0      | \$0                          |  |
| 35 to 39        | 0       | \$0                          | 0      | \$0                          | 0      | \$0                          | 0      | \$0                          |  |
| 40 to 44        | 0       | \$0                          | 0      | \$0                          | 0      | \$0                          | 0      | \$0                          |  |
| 45 to 49        | 0       | \$0                          | 0      | \$0                          | 0      | \$0                          | 0      | \$0                          |  |
| 50 to 54        | 4       | \$23,308                     | 7      | \$21,291                     | 5      | \$64,034                     | 16     | \$35,153                     |  |
| 55 to 59        | 25      | \$46,286                     | 13     | \$59,172                     | 16     | \$76,914                     | 54     | \$58,463                     |  |
| 60 to 64        | 50      | \$45,788                     | 16     | \$72,054                     | 22     | \$113,747                    | 88     | \$67,553                     |  |
| 65 to 69        | 63      | \$40,644                     | 17     | \$81,205                     | 13     | \$114,096                    | 93     | \$58,326                     |  |
| 70 to 74        | 55      | \$39,685                     | 15     | \$99,827                     | 13     | \$88,252                     | 83     | \$58,161                     |  |
| 75 to 79        | 24      | \$32,014                     | 8      | \$40,551                     | 8      | \$48,441                     | 40     | \$37,006                     |  |
| 80 to 84        | 19      | \$20,018                     | 3      | \$49,661                     | 7      | \$87,595                     | 29     | \$39,396                     |  |
| 85 to 89        | 7       | \$36,603                     | 1      | \$96,511                     | 4      | \$61,778                     | 12     | \$49,987                     |  |
| 90 to 94        | 7       | \$13,939                     | 0      | \$0                          | 0      | \$0                          | 7      | \$13,939                     |  |
| 95+             | 3       | \$6,325                      | 0      | \$0                          | 1      | \$57,454                     | 4      | \$19,107                     |  |
| <total></total> | 257     | \$38,150                     | 80     | \$68,987                     | 89     | \$89,764                     | 426    | \$54,724                     |  |

City of San Rafael: Duty Disabled

|                 | Miscell | <u>Miscellaneous</u> |        | lice     | <u>F</u> i | re        | <u>To</u> | <u>tal</u> |
|-----------------|---------|----------------------|--------|----------|------------|-----------|-----------|------------|
|                 |         | Average              |        | Average  |            | Average   |           | Average    |
| Age             | Number  | Annual               | Number |          | Number     |           | Number    | Annual     |
|                 |         | Benefit              |        | Benefit  |            | Benefit   |           | Benefit    |
| 0 to 24         | 0       | \$0                  | 0      | \$0      | 0          | \$0       | 0         | \$0        |
| 25 to 29        | 0       | \$0                  | 0      | \$0      | 0          | \$0       | 0         | \$0        |
| 30 to 34        | 0       | \$0                  | 0      | \$0      | 0          | \$0       | 0         | \$0        |
| 35 to 39        | 0       | \$0                  | 3      | \$58,044 | 0          | \$0       | 3         | \$58,044   |
| 40 to 44        | 0       | \$0                  | 4      | \$61,898 | 0          | \$0       | 4         | \$61,898   |
| 45 to 49        | 2       | \$19,681             | 5      | \$52,753 | 1          | \$50,578  | 8         | \$44,213   |
| 50 to 54        | 1       | \$36,913             | 3      | \$59,486 | 1          | \$61,133  | 5         | \$55,301   |
| 55 to 59        | 2       | \$25,456             | 2      | \$44,347 | 0          | \$0       | 4         | \$34,902   |
| 60 to 64        | 2       | \$15,503             | 4      | \$65,760 | 2          | \$90,484  | 8         | \$59,377   |
| 65 to 69        | 5       | \$31,090             | 8      | \$80,965 | 6          | \$103,339 | 19        | \$74,906   |
| 70 to 74        | 4       | \$31,986             | 6      | \$48,281 | 9          | \$84,012  | 19        | \$61,776   |
| 75 to 79        | 3       | \$31,582             | 6      | \$37,830 | 1          | \$106,263 | 10        | \$42,799   |
| 80 to 84        | 0       | \$0                  | 1      | \$26,939 | 0          | \$0       | 1         | \$26,939   |
| 85 to 89        | 0       | \$0                  | 0      | \$0      | 1          | \$34,389  | 1         | \$34,389   |
| 90 to 94        | 0       | \$0                  | 0      | \$0      | 0          | \$0       | 0         | \$0        |
| 95+             | 0       | \$0                  | 0      | \$0      | 0          | \$0       | 0         | \$0        |
| <total></total> | 19      | \$28,228             | 42     | \$57,310 | 21         | \$86,166  | 82        | \$57,961   |



## **APPENDIX A – MEMBERSHIP INFORMATION**

City of San Rafael: Ordinary Disabled

|                 | Miscell | <u>Miscellaneous</u> |        | <u>lice</u>       | <u>Fi</u> | <u>re</u>         | <u>To</u> | <u>tal</u>        |
|-----------------|---------|----------------------|--------|-------------------|-----------|-------------------|-----------|-------------------|
|                 |         | Average              |        | Average           |           | Average           | **        | Average           |
| Age             | Number  | Annual<br>Benefit    | Number | Annual<br>Benefit | Number    | Annual<br>Benefit | Number    | Annual<br>Benefit |
| 0 to 24         | 0       | \$0                  | 0      | \$0               | 0         | \$0               | 0         | \$0               |
| 25 to 29        | 0       | \$0                  | 0      | \$0               | 0         | \$0               | 0         | <b>\$</b> 0       |
| 30 to 34        | 0       | \$0                  | 0      | \$0               | 0         | \$0               | 0         | \$0               |
| 35 to 39        | 0       | \$0                  | 0      | \$0               | 0         | \$0               | 0         | \$0               |
| 40 to 44        | 0       | \$0                  | 0      | \$0               | 0         | \$0               | 0         | \$0               |
| 45 to 49        | 0       | \$0                  | 0      | \$0               | 0         | \$0               | 0         | \$0               |
| 50 to 54        | 0       | \$0                  | 0      | \$0               | 0         | \$0               | 0         | \$0               |
| 55 to 59        | 0       | \$0                  | 0      | \$0               | 0         | \$0               | 0         | \$0               |
| 60 to 64        | 0       | \$0                  | 0      | \$0               | 0         | \$0               | 0         | \$0               |
| 65 to 69        | 0       | \$0                  | 0      | \$0               | 0         | \$0               | 0         | \$0               |
| 70 to 74        | 0       | \$0                  | 0      | \$0               | 0         | \$0               | 0         | \$0               |
| 75 to 79        | 1       | \$16,421             | 0      | \$0               | 0         | \$0               | 1         | \$16,421          |
| 80 to 84        | 0       | \$0                  | 0      | \$0               | 0         | \$0               | 0         | \$0               |
| 85 to 89        | 0       | \$0                  | 0      | \$0               | 0         | \$0               | 0         | \$0               |
| 90 to 94        | 1       | \$8,445              | 0      | \$0               | 0         | \$0               | 1         | \$8,445           |
| 95+             | 0       | \$0                  | 0      | \$0               | 0         | \$0               | 0         | \$0               |
| <total></total> | 2       | \$12,433             | 0      | \$0               | 0         | \$0               | 2         | \$12,433          |

City of San Rafael: Surviving Beneficiaries

|                 | Miscell | laneous                      | <u>Pol</u> | <u>lice</u>                  | <u>F</u> i | <u>re</u>                    | <u>To</u> | <u>tal</u>                   |
|-----------------|---------|------------------------------|------------|------------------------------|------------|------------------------------|-----------|------------------------------|
| Age             | Number  | Average<br>Annual<br>Benefit | Number     | Average<br>Annual<br>Benefit | Number     | Average<br>Annual<br>Benefit | Number    | Average<br>Annual<br>Benefit |
| 0 to 24         | 0       | \$0                          | 0          | \$0                          | 0          | \$0                          | 0         | \$0                          |
| 25 to 29        | 0       | \$0                          | 0          | \$0                          | 0          | \$0                          | 0         | \$0                          |
| 30 to 34        | 0       | \$0                          | 0          | \$0                          | 0          | \$0                          | 0         | \$0                          |
| 35 to 39        | 0       | \$0                          | 0          | \$0                          | 0          | \$0                          | 0         | \$0                          |
| 40 to 44        | 0       | \$0                          | 0          | \$0                          | 0          | \$0                          | 0         | \$0                          |
| 45 to 49        | 0       | \$0                          | 1          | \$21,582                     | 0          | \$0                          | 1         | \$21,582                     |
| 50 to 54        | 1       | \$13,329                     | 2          | \$30,155                     | 0          | \$0                          | 3         | \$24,546                     |
| 55 to 59        | 3       | \$10,167                     | 2          | \$36,325                     | 3          | \$30,510                     | 8         | \$24,335                     |
| 60 to 64        | 3       | \$6,781                      | 4          | \$25,622                     | 3          | \$49,472                     | 10        | \$27,124                     |
| 65 to 69        | 1       | \$21,490                     | 2          | \$18,563                     | 3          | \$79,865                     | 6         | \$49,702                     |
| 70 to 74        | 5       | \$34,396                     | 2          | \$45,161                     | 2          | \$27,269                     | 9         | \$35,205                     |
| 75 to 79        | 8       | \$25,254                     | 3          | \$56,590                     | 3          | \$34,050                     | 14        | \$33,853                     |
| 80 to 84        | 5       | \$24,948                     | 1          | \$55,546                     | 3          | \$30,131                     | 9         | \$30,076                     |
| 85 to 89        | 5       | \$14,410                     | 1          | \$10,107                     | 3          | \$34,448                     | 9         | \$20,611                     |
| 90 to 94        | 1       | \$8,347                      | 0          | \$0                          | 1          | \$23,355                     | 2         | \$15,851                     |
| 95+             | 1       | \$12,987                     | 0          | \$0                          | 0          | \$0                          | 1         | \$12,987                     |
| <total></total> | 33      | \$20,539                     | 18         | \$34,439                     | 21         | \$40,634                     | 72        | \$29,875                     |



## **APPENDIX A – MEMBERSHIP INFORMATION**

|                                    | Re                     | tirement I | Eligibility |            |           |          |     |      |       |
|------------------------------------|------------------------|------------|-------------|------------|-----------|----------|-----|------|-------|
|                                    |                        | umber Rea  |             | vice Retir | ement Eli | gibility |     |      |       |
|                                    |                        | s Defined  |             |            |           |          |     |      |       |
| Plan                               | <b>Current Actives</b> | 0          | 1           | 2          | 3         | 4        | 5   | 6-10 | Total |
| County                             |                        |            |             |            |           |          |     |      |       |
| Miscellaneous Tier 1               | 7                      | 7          | 0           | 0          | 0         | 0        | 0   | 0    | 7     |
| Miscellaneous Tier 2               | 39                     | 39         | 0           | 0          | 0         | 0        | 0   | 0    | 39    |
| Miscellaneous Tier 3               | 758                    | 490        | 26          | 23         | 28        | 26       | 25  | 87   | 705   |
| Miscellaneous Tier 3A              | 99                     | 4          | 11          | 9          | 8         | 7        | 6   | 12   | 57    |
| Miscellaneous Tier 4               | 143                    | 2          | 2           | 3          | 2         | 11       | 14  | 46   | 80    |
| Miscellaneous Tier 5               | 691                    | 28         | 26          | 24         | 39        | 38       | 55  | 63   | 273   |
| Safety Tier 1A                     | 1                      | 1          | 0           | 0          | 0         | 0        | 0   | 0    | 1     |
| Safety Tier 2A                     | 52                     | 22         | 4           | 3          | 6         | 1        | 1   | 8    | 45    |
| Safety Tier 2B                     | 203                    | 62         | 15          | 10         | 6         | 15       | 11  | 52   | 171   |
| Safety Tier 3                      | 102                    | 0          | 1           | 2          | 0         | 0        | 2   | 3    | 8     |
| Total County                       | 2,095                  | 655        | 85          | 74         | 89        | 98       | 114 | 271  | 1,386 |
| Courts                             |                        |            |             |            |           |          |     |      |       |
| Courts Tier 1                      | 1                      | 1          | 0           | 0          | 0         | 0        | 0   | 0    | 1     |
| Courts Tier 2                      | 1                      | 1          | 0           | 0          | 0         | 0        | 0   | 0    | 1     |
| Courts Tier 3                      | 64                     | 39         | 1           | 1          | 4         | 3        | 0   | 8    | 56    |
| Courts Tier 4                      | 5                      | 1          | 1           | 0          | 0         | 0        | 0   | 2    | 4     |
| Courts Tier 5                      | 27                     | 2          | 0           | 2          | 1         | 2        | 0   | 3    | 10    |
| Total Courts                       | 98                     | 44         | 2           | 3          | 5         | 5        | 0   | 13   | 72    |
| Special Districts                  |                        |            |             |            |           |          |     |      |       |
| South Marin Fire Miscellaneous     | 3                      | 0          | 0           | 1          | 0         | 0        | 0   | 2    | 3     |
| South Marin Fire Safety            | 50                     | 14         | 5           | 1          | 2         | 2        | 1   | 9    | 34    |
| Mosquito District                  | 32                     | 15         | 0           | 1          | 0         | 2        | 0   | 9    | 27    |
| LAFCO                              | 1                      | 0          | 0           | 1          | 0         | 0        | 0   | 0    | 1     |
| Tamalpais CSD                      | 13                     | 7          | 0           | 0          | 0         | 1        | 0   | 2    | 10    |
| Marin CSD                          | 7                      | 1          | 0           | 0          | 0         | 1        | 2   | 1    | 5     |
| Total Special Districts            | 106                    | 37         | 5           | 4          | 2         | 6        | 3   | 23   | 80    |
| Total County and Special Districts | 2,299                  | 736        | 92          | 81         | 96        | 109      | 117 | 307  | 1,538 |
| Novato                             |                        |            |             |            |           |          |     |      |       |
| Miscellaneous                      | 9                      | 3          | 1           | 0          | 0         | 0        | 0   | 4    | 8     |
| Safety                             | 65                     | 21         | 3           | 5          | 5         | 7        | 2   | 15   | 58    |
| Total Novato                       | 74                     | 24         | 4           | 5          | 5         | 7        | 2   | 19   | 66    |
| San Rafael                         |                        |            |             |            |           |          |     |      |       |
| Miscellaneous Tier 1               | 118                    | 63         | 11          | 3          | 6         | 6        | 4   | 18   | 111   |
| Miscellaneous Tier 2               | 17                     | 2          | 0           | 0          | 0         | 2        | 1   | 5    | 10    |
| Miscellaneous Tier 3               | 83                     | 1          | 1           | 4          | 2         | 2        | 7   | 5    | 22    |
| Fire Tier 1                        | 37                     | 13         | 1           | 5          | 2         | 2        | 1   | 8    | 32    |
| Fire Tier 2                        | 15                     | 0          | 0           | 0          | 0         | 0        | 0   | 1    | 1     |
| Safety Tier 1                      | 42                     | 17         | 2           | 2          | 2         | 6        | 3   | 10   | 42    |
| Safety Tier 2                      | 6                      | 0          | 0           | 0          | 0         | 1        | 0   | 1    | 2     |
| Safety Tier 3                      | 41                     | 0          | 0           | 0          | 0         | 0        | 0   | 0    | 0     |
| Total San Rafael                   | 359                    | 96         | 15          | 14         | 12        | 19       | 16  | 48   | 220   |



### APPENDIX B – STATEMENT OF CURRENT ACTUARIAL ASSUMPTIONS AND METHODS

The assumptions and methods used in the actuarial valuation as of June 30, 2018 are:

### **Actuarial Methods**

#### 1. Actuarial Cost Method

The actuarial valuation is prepared using the entry age actuarial cost method (CERL 31453.5). Under the principles of this method, the actuarial present value of the projected benefits of each individual included in the valuation is allocated as a level percentage of the individual's projected compensation between entry age and assumed exit (until maximum retirement age). For members who transferred from outside of MCERA, entry age is based on entry into the system. The normal cost for the Plan is based on the sum of the individual normal costs for each member (Individual Entry Age Method).

The UAL (or Surplus Funding) is amortized as a percentage of the projected salaries of present and future members of MCERA. Effective with the June 30, 2013 valuation, the UAL as of June 30, 2013 is amortized over a closed 17-year period (12 years remaining as of June 30, 2018), except for the additional UAL attributable to the extraordinary loss from 2008-2009, which is being amortized over a separate closed period (20 years as of June 30, 2018). Surplus Funding is only amortized if the Plan's Funded Ratio exceeds 120%.

Any subsequent unexpected change in the Unfunded Actuarial Liability after June 30, 2013 is amortized over 24 years (22 years for assumption changes) that includes a five-year phase-in and four-year phase-out (three/two years for assumption changes) of the payments/credits for each annual layer.

### 2. Valuation of Assets

As of the June 30, 2014 valuation, assets are valued using the market value. The assets used to compute the UAL are the Market Value of Assets, minus the value of any non-valuation contingency reserves.

## **Actuarial Assumptions**

### 3. Rate of Return

Assets are assumed to earn 7.00% net of investment, but not administrative expenses.

### 4. Administrative Expenses

Administrative expenses are assumed to be \$5.065 million for the next year, to be split between employees and employers based on their share of the overall contributions. Administrative expenses are assumed to increase by 3.0% per year.

## 5. Cost-of-Living

The cost-of-living as measured by the Consumer Price Index (CPI) will increase at the rate of 2.75% per year.



### APPENDIX B – STATEMENT OF CURRENT ACTUARIAL ASSUMPTIONS AND METHODS

## 6. Post Retirement COLA

Post retirement COLAs are assumed at the rate of 2.7% for members with a 4% COLA cap, 2.6% for members with a 3% COLA cap, and 1.9% for members with a 2% COLA cap.

### 7. Internal Revenue Code Section 415 Limit

The Internal Revenue Code Section 415 maximum benefit limitations are not reflected in the valuation for funding purposes. Any limitation is reflected in a member's benefit at the time of retirement.

### 8. Internal Revenue Code Section 401(a)(17)

The Internal Revenue Code Section 401(a)(17) maximum compensation limitation is reflected in the valuation to project compensation and benefits. The limit is expected to increase by 2.75% in future years.

## 9. PEPRA Compensation Limit

The PEPRA Pensionable Compensation Limit (GC 7522.10) is reflected in the valuation to project compensation and benefits for PEPRA members. The limit is expected to increase by 2.75% in future years.

#### 10. Interest on Member Contributions

The annual credited interest rate on member contributions is assumed to be 7.00%.

### 11. Sick Leave Service Credit Upon Retirement

Non-PEPRA active members' benefits are adjusted by a percentage, in accordance with the table below, for anticipated conversions of sick leave or other terminal earnings to retirement service credit or final compensation.

|                                 | Doto  |
|---------------------------------|-------|
| Marin Carretes                  | Rate  |
| Marin County                    | 2.00% |
| Marin Courts                    | 2.00% |
| Marin Special Districts         | 2.00% |
| Novato Fire Protection District | 3.00% |
| City of San Rafael              | 2.50% |



## APPENDIX B – STATEMENT OF CURRENT ACTUARIAL ASSUMPTIONS AND METHODS

## 12. Family Composition

Percentage married for all active members who retire, become disabled, or die during active service is shown in the table below. Male members are assumed to be three years older than their spouses and female members are assumed to be one year younger than their spouses.

| Percentage Married          |     |  |  |  |  |  |  |  |
|-----------------------------|-----|--|--|--|--|--|--|--|
| Class and Gender Percentage |     |  |  |  |  |  |  |  |
| Miscellaneous Males         | 75% |  |  |  |  |  |  |  |
| Miscellaneous Females       | 55% |  |  |  |  |  |  |  |
| Safety Males                | 85% |  |  |  |  |  |  |  |
| Safety Females              | 55% |  |  |  |  |  |  |  |

## 13. Increases in Pay

Wage inflation component: 3.00%

Additional longevity and promotion component:

| Service | Miscellaneous | Safety |
|---------|---------------|--------|
| 0       | 6.00%         | 5.00%  |
| 1       | 6.00%         | 5.00%  |
| 2       | 5.00%         | 4.50%  |
| 3       | 4.00%         | 4.00%  |
| 4       | 3.00%         | 3.50%  |
| 5       | 2.25%         | 3.00%  |
| 6       | 1.75%         | 2.50%  |
| 7       | 1.40%         | 2.20%  |
| 8       | 1.20%         | 1.90%  |
| 9       | 1.00%         | 1.70%  |
| 10      | 0.85%         | 1.50%  |
| 11      | 0.75%         | 1.40%  |
| 12      | 0.75%         | 1.30%  |
| 13+     | 0.75%         | 1.25%  |



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## APPENDIX B - STATEMENT OF CURRENT ACTUARIAL ASSUMPTIONS AND METHODS

## 14. Rates of Termination (All Types)

Sample rates of termination are shown in the following tables below. Note that termination rates do not apply once a member is eligible for retirement.

**Termination Sample Rates (less than five years of service)** 

|         | Miscellaneous |        |        |  |  |  |  |  |  |  |  |
|---------|---------------|--------|--------|--|--|--|--|--|--|--|--|
| Service | Male          | Female | Safety |  |  |  |  |  |  |  |  |
| 0       | 15.00%        | 15.00% | 8.00%  |  |  |  |  |  |  |  |  |
| 1       | 9.00%         | 10.00% | 5.00%  |  |  |  |  |  |  |  |  |
| 2       | 7.00%         | 8.00%  | 4.00%  |  |  |  |  |  |  |  |  |
| 3       | 7.00%         | 8.00%  | 4.00%  |  |  |  |  |  |  |  |  |
| 4       | 7.00%         | 8.00%  | 4.00%  |  |  |  |  |  |  |  |  |

|      | Miscellaneous |                    |             |            |                    |             |            |  |
|------|---------------|--------------------|-------------|------------|--------------------|-------------|------------|--|
|      |               | Male               |             |            | Females            |             |            |  |
| Age  | 5-9 Years     | <b>10-14 Years</b> | 15-29 Years | 5-9 Years  | <b>10-14 Years</b> | 15-29 Years | 5-19 Years |  |
| 1-80 | of Service    | of Service         | of Service  | of Service | of Service         | of Service  | of Service |  |
| 20   | 7.00%         | 5.30%              | 3.00%       | 7.80%      | 5.30%              | 3.00%       | 2.06%      |  |
| 25   | 7.00%         | 5.30%              | 3.00%       | 7.80%      | 5.30%              | 3.00%       | 2.24%      |  |
| 30   | 7.00%         | 5.30%              | 3.00%       | 7.80%      | 5.30%              | 3.00%       | 3.53%      |  |
| 35   | 6.80%         | 4.50%              | 2.50%       | 7.80%      | 4.50%              | 2.50%       | 3.41%      |  |
| 40   | 4.80%         | 3.20%              | 2.00%       | 5.80%      | 3.20%              | 2.00%       | 1.14%      |  |
| 45   | 3.80%         | 2.50%              | 1.70%       | 4.80%      | 2.50%              | 1.70%       | 1.70%      |  |
| 50   | 2.10%         | 0.00%              | 0.00%       | 3.10%      | 0.00%              | 0.00%       | 0.27%      |  |
| 55   | 1.20%         | 0.00%              | 0.00%       | 2.20%      | 0.00%              | 0.00%       | 0.09%      |  |
| 60   | 1.20%         | 0.00%              | 0.00%       | 2.20%      | 0.00%              | 0.00%       | 0.00%      |  |



### APPENDIX B – STATEMENT OF CURRENT ACTUARIAL ASSUMPTIONS AND METHODS

## 15. Withdrawal, Reciprocal Transfers, and Vested Termination

The following rates apply to active members who terminate their employment. Members, who withdraw their member contributions, forfeit entitlement to future Plan benefits.

|         |            | Miscellaneous |             | Safety     |            |             |  |
|---------|------------|---------------|-------------|------------|------------|-------------|--|
| Service | Withdrawal | Reciprocal    | Vested Term | Withdrawal | Reciprocal | Vested Term |  |
| 0       | 50.00%     | 15.00%        | 35.00%      | 25.00%     | 45.00%     | 30.00%      |  |
| 1       | 40.00%     | 18.00%        | 42.00%      | 25.00%     | 45.00%     | 30.00%      |  |
| 2       | 20.00%     | 24.00%        | 56.00%      | 25.00%     | 45.00%     | 30.00%      |  |
| 3       | 20.00%     | 24.00%        | 56.00%      | 25.00%     | 45.00%     | 30.00%      |  |
| 4       | 20.00%     | 24.00%        | 56.00%      | 25.00%     | 45.00%     | 30.00%      |  |
| 5       | 10.00%     | 27.00%        | 63.00%      | 25.00%     | 45.00%     | 30.00%      |  |
| 6       | 10.00%     | 27.00%        | 63.00%      | 25.00%     | 45.00%     | 30.00%      |  |
| 7       | 10.00%     | 27.00%        | 63.00%      | 25.00%     | 45.00%     | 30.00%      |  |
| 8       | 10.00%     | 27.00%        | 63.00%      | 25.00%     | 45.00%     | 30.00%      |  |
| 9       | 10.00%     | 27.00%        | 63.00%      | 25.00%     | 45.00%     | 30.00%      |  |
| 10+     | 10.00%     | 27.00%        | 63.00%      | 15.00%     | 51.00%     | 34.00%      |  |

## 16. Reciprocal Transfers and Vested Termination Deferral Age

Miscellaneous members who terminate employment and do not withdraw their member contributions are assumed to retire at age 58. Safety members who terminate employment and do not withdraw their member contributions are assumed to retire at age 50 if their benefits are calculated under CERL section 31664.1 and age 55 otherwise.

## 17. Projected Pay for Reciprocal Transfers

Members who terminate and transfer to a reciprocal employer are expected to have their wages increase from their date of termination to their assumed retirement age by 3.00% wage inflation and either 0.75% for Miscellaneous members or 1.25% for Safety members.

Members who have terminated and transferred to a reciprocal employer or have transferred within MCERA are assumed to have the same salary increases, and are exposed to the same rates of mortality and retirement as if they were active. No other decrements are assumed.



### APPENDIX B – STATEMENT OF CURRENT ACTUARIAL ASSUMPTIONS AND METHODS

## 18. Rates of Disability

The rates of disability for Miscellaneous members are based on the 2017 CalPERS Public Agency Miscellaneous Ordinary Disability rates for males and females without adjustment.

The rates of disability for Safety members are based on adjusted 2017 CalPERS Public Agency Police Unisex Industrial and Ordinary Disability rates (multiplied by 0.6, and with a maximum rate of 1.25%).

50% of all Miscellaneous and 95% of all Safety disabilities are assumed to be service-connected. Sample *service-connected* disability rates of active participants are shown below.

|     | Miscellaneous |         |         |  |  |  |  |  |  |  |  |
|-----|---------------|---------|---------|--|--|--|--|--|--|--|--|
| Age | Male          | Female  | Safety  |  |  |  |  |  |  |  |  |
| 20  | 0.0085%       | 0.0050% | 0.0057% |  |  |  |  |  |  |  |  |
| 25  | 0.0085%       | 0.0050% | 0.0998% |  |  |  |  |  |  |  |  |
| 30  | 0.0095%       | 0.0120% | 0.3186% |  |  |  |  |  |  |  |  |
| 35  | 0.0195%       | 0.0355% | 0.5022% |  |  |  |  |  |  |  |  |
| 40  | 0.0510%       | 0.0675% | 0.6857% |  |  |  |  |  |  |  |  |
| 45  | 0.0755%       | 0.0940% | 0.8750% |  |  |  |  |  |  |  |  |
| 50  | 0.0790%       | 0.0995% | 1.1875% |  |  |  |  |  |  |  |  |
| 55  | 0.0790%       | 0.0745% | 1.1875% |  |  |  |  |  |  |  |  |
| 60  | 0.0765%       | 0.0525% | 1.1875% |  |  |  |  |  |  |  |  |
| 65  | 0.0640%       | 0.0440% | 1.1875% |  |  |  |  |  |  |  |  |

Sample *non service-connected* disability rates of active participants are shown below.

|     | Miscellaneous |         |         |  |  |  |  |  |  |  |  |
|-----|---------------|---------|---------|--|--|--|--|--|--|--|--|
| Age | Male          | Female  | Safety  |  |  |  |  |  |  |  |  |
| 20  | 0.0085%       | 0.0050% | 0.0003% |  |  |  |  |  |  |  |  |
| 25  | 0.0085%       | 0.0050% | 0.0053% |  |  |  |  |  |  |  |  |
| 30  | 0.0095%       | 0.0120% | 0.0168% |  |  |  |  |  |  |  |  |
| 35  | 0.0195%       | 0.0355% | 0.0264% |  |  |  |  |  |  |  |  |
| 40  | 0.0510%       | 0.0675% | 0.0361% |  |  |  |  |  |  |  |  |
| 45  | 0.0755%       | 0.0940% | 0.0461% |  |  |  |  |  |  |  |  |
| 50  | 0.0790%       | 0.0995% | 0.0625% |  |  |  |  |  |  |  |  |
| 55  | 0.0790%       | 0.0745% | 0.0625% |  |  |  |  |  |  |  |  |
| 60  | 0.0765%       | 0.0525% | 0.0625% |  |  |  |  |  |  |  |  |
| 65  | 0.0640%       | 0.0440% | 0.0625% |  |  |  |  |  |  |  |  |



### APPENDIX B – STATEMENT OF CURRENT ACTUARIAL ASSUMPTIONS AND METHODS

## 19. Rates of Mortality for Active Lives

Rates of mortality for active members are specified by CalPERS 2017 Pre-Retirement Non-Industrial Death rates (plus Duty-Related Death rates for Safety members), with the 15-year static projection used by CalPERS replaced by generational improvements from a base year of 2014 using Scale MP-2017. 0% of all Miscellaneous and 95% of all Safety pre-retirement deaths are assumed to be service-connected.

## 20. Rates of Mortality for Retired Healthy Lives

Rates of mortality for retired members and their beneficiaries are given by CalPERS 2017 Post-Retirement Healthy Mortality rates, adjusted by 90% for Males (Miscellaneous and Safety), with the 15-year static projection used by CalPERS replaced by generational improvements from a base year of 2014 using Scale MP-2017.\*

## 21. Rates of Mortality for Retired Disabled Lives

Rates of mortality among disabled members are given by CalPERS 2017 Disability Mortality rates (Non-Industrial rates for Miscellaneous members and Industrial Disability rates for Safety members), adjusted by 90% for Males (Miscellaneous and Safety) and 90% for Miscellaneous Females, with the 15-year static projection used by CalPERS replaced by generational improvements from a base year of 2014 using Scale MP-2017.\*

## 22. Mortality Improvement

Mortality is assumed to improve in future years in accordance with the MP-2017 generational improvement tables.

<sup>\*</sup> Rates of mortality for annuitants younger than age 50 are from the CalPERS 2014 Experience Study.



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## APPENDIX B - STATEMENT OF CURRENT ACTUARIAL ASSUMPTIONS AND METHODS

## 23. Rates of Retirement

Rates of retirement are based on age according to the following tables below.

PEPRA: For New Members we assume that the current retirement rates will apply, but that no Non-Safety members will retire before age 52.

### **Miscellaneous Rates**

| Age   | <20 Years of<br>Service | 20-29 Years of<br>Service | 30+ Years of<br>Service |
|-------|-------------------------|---------------------------|-------------------------|
| 50-52 | 3.00%                   | 3.00%                     | 3.00%                   |
| 53    | 5.00%                   | 5.00%                     | 10.00%                  |
| 54    | 5.00%                   | 5.00%                     | 15.00%                  |
| 55-59 | 5.00%                   | 10.00%                    | 15.00%                  |
| 60    | 5.00%                   | 10.00%                    | 30.00%                  |
| 61    | 10.00%                  | 10.00%                    | 30.00%                  |
| 62-63 | 10.00%                  | 20.00%                    | 30.00%                  |
| 64-65 | 15.00%                  | 20.00%                    | 30.00%                  |
| 66-67 | 15.00%                  | 30.00%                    | 30.00%                  |
| 68-79 | 20.00%                  | 30.00%                    | 30.00%                  |
| 80    | 100.00%                 | 100.00%                   | 100.00%                 |

## **Safety Rates**

| Age   | 3% @ 50<br><20 Years of<br>Service | 3% @ 50<br>20-29 Years of<br>Service | 3% @ 50<br>30+ Years of<br>Service | 3% @ 55<br><20 Years of<br>Service | 3% @ 55<br>20-29 Years of<br>Service | 3% @ 55<br>30+ Years of<br>Service |
|-------|------------------------------------|--------------------------------------|------------------------------------|------------------------------------|--------------------------------------|------------------------------------|
| 40-44 | 0.00%                              | 3.00%                                | 3.00%                              | 0.00%                              | 1.00%                                | 1.00%                              |
| 45-48 | 0.00%                              | 3.00%                                | 3.00%                              | 0.00%                              | 5.00%                                | 5.00%                              |
| 49    | 0.00%                              | 15.00%                               | 3.00%                              | 0.00%                              | 5.00%                                | 5.00%                              |
| 50    | 5.00%                              | 15.00%                               | 50.00%                             | 5.00%                              | 10.00%                               | 30.00%                             |
| 51-52 | 5.00%                              | 10.00%                               | 20.00%                             | 5.00%                              | 10.00%                               | 30.00%                             |
| 53-54 | 10.00%                             | 10.00%                               | 20.00%                             | 5.00%                              | 10.00%                               | 30.00%                             |
| 55    | 10.00%                             | 25.00%                               | 50.00%                             | 20.00%                             | 30.00%                               | 30.00%                             |
| 56    | 10.00%                             | 30.00%                               | 50.00%                             | 10.00%                             | 30.00%                               | 30.00%                             |
| 57    | 10.00%                             | 35.00%                               | 50.00%                             | 10.00%                             | 20.00%                               | 30.00%                             |
| 58    | 10.00%                             | 40.00%                               | 50.00%                             | 10.00%                             | 20.00%                               | 30.00%                             |
| 59    | 10.00%                             | 45.00%                               | 50.00%                             | 10.00%                             | 20.00%                               | 30.00%                             |
| 60-64 | 50.00%                             | 50.00%                               | 50.00%                             | 20.00%                             | 20.00%                               | 50.00%                             |
| 65    | 100.00%                            | 100.00%                              | 100.00%                            | 100.00%                            | 100.00%                              | 100.00%                            |

## 24. Changes Since Last Valuation

No changes have been made to the actuarial assumptions.



### APPENDIX C – SUMMARY OF PLAN PROVISIONS

## **Brief Outline of Plan Provisions**

#### **Definitions**

## **Compensation**

Compensation means the cash remuneration for services paid by the employer. It includes base pay and certain differential, incentive, and special pay allowances defined by the Board of Retirement. Overtime is excluded, with the exception of overtime paid under the Fair Labor Standards Act that is regular and recurring.

PEPRA: For non-reciprocal members joining the Plan on and after January 1, 2013 (New Members), only base compensation or normal monthly rate of pay, as defined, up to the PEPRA wage cap (\$121,388 for 2018) will count for computing Plan benefits and employee contributions and employer contributions for those participating in Social Security. For those not participating in Social Security, the compensation cap is 120% of the cap above (\$145,666 for 2018). In addition, some sources of compensation, such as leave cashouts, allowances, and some types of special pays, will be excluded from benefit and contribution computations for New Members.

### Credited Service

In general, Credited Service is earned for the period during which Member Contributions are paid.

Temporary service for which the Member was not credited, or service for which the Member withdrew his or her Member Contributions, may be purchased by paying or repaying the Member Contributions with interest. The categories of services that credit may be purchased for are listed below:

- Leave without Pay (Member's illness): Member may purchase only up to twelve months of service per incident.
- Re-deposits: Member may only purchase the amount of service previously withdrawn.
- Service Prior to Membership: Member must pay employee portion and applicable interest.
- Military Leave without Pay: Member, who has taken a leave without pay in order to serve in the military, will be given an option to buy the service time.
- Service In-Between: Member may purchase service per incident.
- Public Service: Member must have been employed by the date as indicated below and cannot be receiving a benefit from the other entity.



### APPENDIX C – SUMMARY OF PLAN PROVISIONS

## April 16, 1979:

Novato Fire Protection District

## May 1, 1979:

County of Marin
Marin County Courts
Marin City Community Service District
Tamalpais Community Service District
Southern Marin Fire Protection District
Marin/Sonoma Mosquito and Vector Control District
Local Agency Formation Commission (LAFCO)

## May 7, 1979:

## City of San Rafael

In all cases of service buybacks, repayment terms for most payment plans may not exceed the length of the period of service being purchased, with a maximum of five years. Payment for public service purchases may also not exceed five years. In the event of an active Member's death, the beneficiary is given the opportunity to pay off any service purchase agreements at the time of death.

A percentage of credited sick leave may be credited according to the Member's applicable bargaining unit.

## Final Compensation

For County employees hired after June 30, 1980, and Bargaining Units 10 and 13, LAFCO Tier 3 members and San Rafael employees hired after July 1, 2011, Final Compensation means the highest Compensation earned during any thirty-six consecutive months of the Member's employment. For all others, it is the highest Compensation earned during any twelve months of employment.

PEPRA: For all New Members, highest average Compensation will be based on the highest thirty-six consecutive months, rather than 12 months.

#### Miscellaneous Member

Any Member who is not a Safety Member is a Miscellaneous Member. Miscellaneous Members are called "Nonsafety Members" Under PEPRA.

## Safety Member

Any sworn Member engaged in law enforcement or fire suppression, and most probation officers are Safety Members.



### APPENDIX C – SUMMARY OF PLAN PROVISIONS

## Membership

## **Eligibility**

All full-time, permanent employees of the City of San Rafael, Novato Fire Protection Districts, Marin County, and other participating special districts become Members on their date of appointment.

PEPRA: A New Member is any Member joining the Plan for the first time on or after January 1, 2013, or who was a member of the Plan previously but withdrew MCERA contributions and did not redeposit them with interest upon reentry. Employees who transfer from and are eligible for reciprocity with another public employer will not be New Members if their service in the reciprocal system was under a pre-PEPRA tier.

## **Member Contributions**

Each Member contributes a percentage of Compensation to the Plan through payroll deduction. The percentage contributed depends on the Member's age upon joining the Plan, and is determined in accordance with the requirements of the '37 Act. Members do not contribute after earning 30 years of Credited Service.

Interest is credited semiannually to each Member's accumulated contributions. The crediting rate is set by the Board; the current annual rate is 7.00%.

PEPRA: New Members must contribute half of the normal cost of the Plan. Contributions for these Members will be based on the Normal Cost associated with their benefits; General and Safety members will pay different rates, as will those with different COLA caps.

New Members will pay a single contribution rate, not a rate based on entry age. All New Members are expected to continue contributing after earning 30 years of service.

#### **Service Retirement**

## **Eligibility**

Miscellaneous County Members hired after July 1, 2008, Courts Members hired after January 1, 2009, and San Rafael Miscellaneous Members hired after July 1, 2011 are eligible to retire at age 55 if they have earned 10 years of Credited Service. All other Miscellaneous Members are eligible to retire at age 50 if they have earned 10 years of Credited Service. Alternatively, Miscellaneous Members are eligible to retire at any age after having earned 30 years of Credited Service, or upon reaching age 70 with no service requirement.



### APPENDIX C – SUMMARY OF PLAN PROVISIONS

Safety Members are eligible to retire at age 50 if they have earned 10 years of Credited Service. Alternatively, Safety Members are eligible to retire at any age after having earned 20 years of Credited Service, or upon reaching age 70 with no service requirement.

PEPRA: New Nonsafety Members are eligible to retire upon attaining age 52 and completing five or more years of service, or upon reaching age 70 with no service requirement. New Safety Members are eligible to retire upon attaining age 50 and completing five or more years of service, or upon reaching age 70 with no service requirement. New Members must reach PEPRA-specified ages, regardless of their years of service, to retire for service.

## Benefit Amount

The Service Retirement Benefit payable to the Member is equal to the Member's Final Compensation multiplied by credited service, the benefit factor from Table 1 and the age factor from Table 2 corresponding to the Member's code section. The age factor multiplied by the benefit factor for each code section is also shown in Table 2, other than the PEPRA factors. The appropriate code sections for each group are listed in Table 1 on the next page.

The percentage of Final Compensation for Non-PEPRA Members may not exceed 100%.



## APPENDIX C – SUMMARY OF PLAN PROVISIONS

| Special Districts Courts Tier 1  | 5   |               |     |      |              |       |                |
|--|---|---------------|-----|------|--------------|-------|----------------|
| Special Districts Courts Tier   Miscellaneous   1  | Description   | Class         | FAP | COLA | Code Section |       | Benefit Factor |
| Special Districts Courts Tier 2   Miscellaneous 3   2   31676.1   61.25   2.00%  | Special Districts Courts Tier 1                         | Miscellaneous | 1   | 4    | 31676 14     |       | 2.00%          |
| Special Districts Courts Tier 3   Miscellaneous 3   2   31676.16   55.00   2.00%   |   |               |     |      |              |       |                |
| Special Districts Courts Tier 4         Miscellaneous         3         2         31676,16         5,00         2,00%           Special Districts LAPCO Tier 7 (also referred to as Tier 2)         Miscellaneous         1         4         31676,11         58,50         2,00%           Special Districts LAPCO Tier 7 (also referred to as Tier 2)         Miscellaneous         1         4         31676,11         58,50         2,00%           Special Districts LAPCO Tier 4         Miscellaneous         3         2         7522,20         62,00         2,00%           Special Districts Marin City CSD Tier 1         Miscellaneous         1         4         31676,11         58,50         2,00%           Special Districts Marin City CSD Tier 2         Miscellaneous         3         4         7522,20         62,00         2,00%           Special Districts Marin City CSD Tier 1         Miscellaneous         1         4         31676,11         55,50         2,00%           Special Districts Mosquito District Tier 1         Miscellaneous         1         4         31676,11         55,50         2,00%           Special Districts Mosquito District Tier 1         Miscellaneous         1         4         31676,11         55,50         2,00%           Special Districts South Marin Fire Miscellan  | 1   |               |     |      |              |       |                |
| Special Districts LAPCO Tier 7 (also referred to as Tier 2)   Miscellaneous   3   2   7522.20   62.00   2.00%   Special Districts LAPCO Tier 3   Miscellaneous   3   2   31676.11   58.50   2.00%   Special Districts LAPCO Tier 4   Miscellaneous   3   2   31676.11   58.50   2.00%   Special Districts LAPCO Tier 4   Miscellaneous   3   2   31676.11   58.50   2.00%   Special Districts Marin City CSD Tier 1   Miscellaneous   1   4   31676.11   58.50   2.00%   Special Districts Marin City CSD Tier 2   Miscellaneous   3   4   7522.20   62.00   2.00%   Special Districts Mosquito District Tier 1   Miscellaneous   3   4   7522.20   62.00   2.00%   Special Districts Mosquito District Tier 2   Miscellaneous   3   4   7522.20   62.00   2.00%   Special Districts Tamalpais CSD Tier 1   Miscellaneous   3   4   7522.20   62.00   2.00%   Special Districts Tamalpais CSD Tier 1   Miscellaneous   3   4   7522.20   62.00   2.00%   Special Districts Tamalpais CSD Tier 2   Miscellaneous   3   4   7522.20   62.00   2.00%   Special Districts South Marin Fire Miscellaneous Tier 2   Miscellaneous   3   4   7522.20   62.00   2.00%   Special Districts South Marin Fire Miscellaneous Tier 2   Miscellaneous   3   4   7522.20   62.00   2.00%   Special Districts South Marin Fire Safety Tier 1   Safety   1   4   31676.19   55.00   2.70%   Special Districts South Marin Fire Safety Tier 2   Safety   1   4   31676.19   55.00   2.00%   Special Districts South Marin Fire Safety Tier 2   Safety   3   4   7522.25(d)   57.00   2.70%   Special Districts South Marin Fire Safety Tier 2   Safety   3   4   7522.25(d)   57.00   2.70%   Special Districts South Marin Fire Safety Tier 3   Safety   3   4   7522.25(d)   57.00   2.70%   Special Districts South Marin Fire Safety Tier 3   Safety   3   4   7522.25(d)   57.00   2.70%   Special Districts South Marin Fire Safety Tier 3   Safety   3   4   7522.25(d)   57.00   2.70%   Special Districts South Marin Fire Safety Tier 3   Safety   3   4   7522.25(d)   57.00   2.70%   Special Districts South Marin Fire Safety Ti                       |   |               |     |      |              |       |                |
| Special Districts LAPCO Tier 7 (also referred to as Tier 2)  | •   |               |     |      |              |       |                |
| Special Districts LAFCO Tier 3   | 1   |               |     |      |              |       |                |
| Special Districts Nario City CSD Tier 1   Miscellaneous   3   2   7522.20   62.00   2.00%  | I v   | Miscellaneous | 3   | 2    |              |       |                |
| Special Districts Marin City CSD Tier 1   Miscellaneous   1   4   31676.11   58.50   2.00%   |   |               |     |      |              |       |                |
| Special Districts Marin Criy CSD Tier 2   Miscellaneous 3   4   7522_20   62.00   2.00%  | 1   |               |     |      |              |       |                |
| Special Districts Mosquito District Tier 1   Miscellaneous   | 1   | Miscellaneous | 3   | 4    | 7522.20      |       |                |
| Special Districts Mosquito District Tier 2   |   | Miscellaneous |     |      |              |       |                |
| Special Districts Tamalpais CSD Tier 1   Miscellaneous   1   4   31676.11   58.50   2.00%  |   | Miscellaneous | 3   | 4    |              |       |                |
| Special Districts Tamalpais CSD Tier 2   Miscellaneous 3   4   7522_20   62.00   2.00%   |   | Miscellaneous | 1   | 4    | 31676.11     | 58.50 | 2.00%          |
| Special Districts South Marin Fire Miscellaneous Tier 2  |   | Miscellaneous | 3   | 4    | 7522.20      | 62.00 | 2.00%          |
| Special Districts South Marin Fire Safety Tier 1         Safety         1         4         31664.1         50.00         3.00%           Special Districts South Marin Fire Safety Tier 2         Safety         3         3 1664.2         55.00         3.00%           Special Districts South Marin Fire Safety Tier 3         Safety         3         3 31664.2         55.00         3.00%           Special Districts South Marin Fire Safety Tier 3         Safety         3         4         7522.25(d)         57.00         2.70%           Special Districts South Marin Fire Safety Tier 3A         Safety         3         4         7522.25(d)         57.00         2.70%           County Miscellaneous Tier 1         Miscellaneous         1         4         31676.1         61.25         2.00%           County Miscellaneous Tier 2         Miscellaneous         3         2         31676.16         55.00         2.00%           County Miscellaneous Tier 3         Miscellaneous         3         2         31676.16         55.00         2.00%           County Miscellaneous Tier 3         Miscellaneous         3         2         31676.16         61.25         2.00%           County Miscellaneous Tier 3         Miscellaneous         3         2         31676.16         61   |   | Miscellaneous | 1   | 4    | 31676.19     | 55.00 | 2.70%          |
| Special Districts South Marin Fire Safety Tier 1         Safety         1         4         31664.1         50.00         3.00%           Special Districts South Marin Fire Safety Tier 2         Safety         3         3 1664.2         55.00         3.00%           Special Districts South Marin Fire Safety Tier 3         Safety         3         3 31664.2         55.00         3.00%           Special Districts South Marin Fire Safety Tier 3         Safety         3         4         7522.25(d)         57.00         2.70%           Special Districts South Marin Fire Safety Tier 3A         Safety         3         4         7522.25(d)         57.00         2.70%           County Miscellaneous Tier 1         Miscellaneous         1         4         31676.1         61.25         2.00%           County Miscellaneous Tier 2         Miscellaneous         3         2         31676.16         55.00         2.00%           County Miscellaneous Tier 3         Miscellaneous         3         2         31676.16         55.00         2.00%           County Miscellaneous Tier 3         Miscellaneous         3         2         31676.16         61.25         2.00%           County Miscellaneous Tier 3         Miscellaneous         3         2         31676.16         61   | Special Districts South Marin Fire Miscellaneous Tier 2 | Miscellaneous | 3   | 4    | 7522.20      | 62.00 | 2.00%          |
| Special Districts South Marin Fire Safety Tier 2         Safety         1         4         31664.2         55.00         3.00%           Special Districts South Marin Fire Safety Tier 3         Safety         3         3         31664.2         55.00         3.00%           Special Districts South Marin Fire Safety Tier 3A         Safety         3         4         7522.25(d)         57.00         2.70%           Special Districts South Marin Fire Safety Tier 3A         Safety         3         3         7522.25(d)         57.00         2.70%           Special Districts South Marin Fire Safety Tier 3A         Safety         3         3         7522.25(d)         57.00         2.70%           County Miscellaneous Tier 3         Miscellaneous         1         4         31676.1         61.25         2.00%           County Miscellaneous Tier 3         Miscellaneous         3         2         31676.16         55.00         2.00%           County Miscellaneous Tier 3         Miscellaneous         3         2         31676.16         55.00         2.00%           County Miscellaneous Tier 4         Miscellaneous         3         2         31676.1         61.25         2.00%           County Miscellaneous Tier 5         Miscellaneous         3         2  |   | Safety        | 1   | 4    | 31664.1      | 50.00 | 3.00%          |
| Special Districts South Marin Fire Safety Tier 3   |   | Safety        | 1   | 4    | 31664.2      | 55.00 | 3.00%          |
| Special Districts South Marin Fire Safety Tier 3         Safety         3         4         7522,25(d)         57.00         2.70%           Special Districts South Marin Fire Safety Tier 3A         Safety         3         3         7522,25(d)         57.00         2.70%           County Miscellaneous Tier 1         Miscellaneous         1         4         31676.14         55.50         2.00%           County Miscellaneous Tier 3         Miscellaneous         3         2         31676.16         55.00         2.00%           County Miscellaneous Tier 3A         Miscellaneous         3         2         31676.16         55.00         2.00%           County Miscellaneous Tier 3A         Miscellaneous         3         2         31676.16         55.00         2.00%           County Miscellaneous Tier 5         Miscellaneous         3         2         31676.1         61.25         2.00%           County Safety Tier 1A         Safety         1         4         31664.1         50.00         3.00%           County Safety Tier 1B         Safety         1         4         31664.2         55.00         3.00%           County Safety Tier 2B         Safety         3         2         31664.1         50.00         3.00%  | Special Districts South Marin Fire Safety Tier 2A       | Safety        | 3   | 3    | 31664.2      | 55.00 | 3.00%          |
| County Miscellaneous Tier 1         Miscellaneous         1         4         31676.14         55.50         2.00%           County Miscellaneous Tier 2         Miscellaneous         3         2         31676.16         61.25         2.00%           County Miscellaneous Tier 3A         Miscellaneous         3         2         31676.16         55.00         2.00%           County Miscellaneous Tier 3A <sup>2</sup> Miscellaneous         3         2         31676.1         61.25         2.00%           County Miscellaneous Tier 5         Miscellaneous         3         2         31676.1         61.25         2.00%           County Safety Tier 1A         Safety         1         4         31664.2         55.00         3.00%           County Safety Tier 1B         Safety         1         4         31664.2         55.00         3.00%           County Safety Tier 2A         Safety         3         2         31664.1         50.00         3.00%           County Safety Tier 2B         Safety         3         2         31664.1         50.00         3.00%           County Safety Tier 2B         Safety         3         2         31664.1         50.00         3.00%           County Safety Tier 3         Sa   |   |               | 3   | 4    | 7522.25(d)   | 57.00 | 2.70%          |
| County Miscellaneous Tier 2  | Special Districts South Marin Fire Safety Tier 3A       | Safety        | 3   | 3    | 7522.25(d)   | 57.00 | 2.70%          |
| County Miscellaneous Tier 3         Miscellaneous         3         2         31676.16         55.00         2.00%           County Miscellaneous Tier 3A²         Miscellaneous         3         2         31676.16         55.00         2.00%           County Miscellaneous Tier 4²         Miscellaneous         3         2         31676.1         61.25         2.00%           County Miscellaneous Tier 5         Miscellaneous         3         2         31676.1         61.25         2.00%           County Miscellaneous Tier 1A         Safety         1         4         31664.2         55.00         3.00%           County Safety Tier 1B         Safety         1         4         31664.1         50.00         3.00%           County Safety Tier 2A         Safety         3         2         31664.1         50.00         3.00%           County Safety Tier 2B         Safety         3         2         31664.1         50.00         3.00%           County Safety Tier 2B         Safety         3         2         7522.25(d)         57.00         2.70%           Novato Miscellaneous Tier 1         Miscellaneous         1         4         31676.16         55.00         2.00%           Novato Miscellaneous Tier 2   | County Miscellaneous Tier 1                             | Miscellaneous | 1   | 4    | 31676.14     | 55.50 | 2.00%          |
| County Miscellaneous Tier 3A <sup>2</sup> Miscellaneous 3 2 31676.16 55.00 2.00% County Miscellaneous Tier 4 <sup>2</sup> Miscellaneous 3 2 31676.1 61.25 2.00% County Miscellaneous Tier 5 Miscellaneous 3 2 7522.20 62.00 2.00% County Safety Tier 1A Safety 1 4 31664.2 55.00 3.00% County Safety Tier 1B Safety 1 4 31664.1 50.00 3.00% County Safety Tier 2A Safety 3 2 31664.1 50.00 3.00% County Safety Tier 2B Safety 3 2 31664.1 50.00 3.00% County Safety Tier 2B Safety 3 2 31664.1 50.00 3.00% County Safety Tier B Safety 3 2 7522.25(d) 57.00 2.70% Novato Miscellaneous Tier 1 Miscellaneous 1 4 31676.16 55.00 2.00% Novato Miscellaneous Tier 1 Miscellaneous 1 4 31676.16 55.00 2.00% Novato Miscellaneous Tier 2 Miscellaneous 3 4 7522.20 62.00 2.00% Novato Miscellaneous Tier 2 Miscellaneous 3 4 7522.20 62.00 2.00% Novato Miscellaneous Tier 2 Miscellaneous 3 2 7522.20 62.00 2.00% Novato Miscellaneous Tier 2 Miscellaneous 3 4 7522.20 62.00 2.00% Novato Miscellaneous Tier 2 Miscellaneous 3 4 7522.20 62.00 2.00% Novato Safety Tier 1 Safety 1 4 31664.1 50.00 3.00% Novato Safety Tier 1 Safety 1 4 31664.2 55.00 3.00% Novato Safety Tier 3 Safety 3 4 7522.25(d) 57.00 2.70% Novato Safety Tier 3 Safety 3 2 7522.25(d) 57.00 2.70% Novato Safety Tier 3 Safety 3 2 7522.25(d) 57.00 2.70% San Rafael Miscellaneous Tier 2 Miscellaneous 3 2 31676.16 55.00 2.00% San Rafael Miscellaneous Tier 2 Miscellaneous 3 2 31676.16 55.00 2.00% San Rafael Miscellaneous Tier 3 Safety 3 2 31664.2 55.00 3.00% San Rafael Fire Tier 1 Safety 1 3 31664.2 55.00 3.00% San Rafael Fire Tier 1 Safety 1 3 31664.2 55.00 3.00% San Rafael Fire Tier 1 Safety 3 2 7522.25(d) 57.00 2.70% San Rafael Fire Tier 1 Safety 3 2 7522.25(d) 57.00 2.70% San Rafael Fire Tier 1 Safety 3 2 7522.25(d) 57.00 2.70% San Rafael Fire Tier 3 Safety 3 2 7522.25(d) 57.00 2.70% San Rafael Fire Tier 3 Safety 3 2 7522.25(d) 57.00 2.70% San Rafael Fire Tier 3 Safety 3 2 7522.25(d) 57.00 2.70% San Rafael Fire Tier 3 Safety 3 2 7522.25(d) 57.00 2.70% San Rafael Fire Tier 3 Safety 3 2 7522.25(d) 57.00 2.70% San Rafael Fire Ti | County Miscellaneous Tier 2                             | Miscellaneous | 3   | 2    | 31676.1      | 61.25 | 2.00%          |
| County Miscellaneous Tier 4²         Miscellaneous         3         2         31676.1         61.25         2.00%           County Miscellaneous Tier 5         Miscellaneous         3         2         7522.20         62.00         2.00%           County Safety Tier 1A         Safety         1         4         31664.2         55.00         3.00%           County Safety Tier 1B         Safety         1         4         31664.2         55.00         3.00%           County Safety Tier 2A         Safety         3         2         31664.1         50.00         3.00%           County Safety Tier 2B         Safety         3         2         31664.1         50.00         3.00%           County Safety Tier 3         Safety         3         2         31664.1         50.00         3.00%           County Safety Tier 3         Safety         3         2         7522.20         60.00         2.70%           Novato Miscellaneous Tier 1         Miscellaneous         1         4         31676.16         55.00         2.00%           Novato Miscellaneous Tier 2A         Miscellaneous         3         2         7522.20         62.00         2.00%           Novato Safety Tier 2         Safety <t< td=""><td>County Miscellaneous Tier 3</td><td>Miscellaneous</td><td>3</td><td>2</td><td>31676.16</td><td>55.00</td><td>2.00%</td></t<>  | County Miscellaneous Tier 3                             | Miscellaneous | 3   | 2    | 31676.16     | 55.00 | 2.00%          |
| County Miscellaneous Tier 5         Miscellaneous         3         2         7522.20         62.00         2.00%           County Safety Tier 1A         Safety         1         4         31664.2         55.00         3.00%           County Safety Tier 1B         Safety         1         4         31664.1         50.00         3.00%           County Safety Tier 2A         Safety         3         2         31664.2         55.00         3.00%           County Safety Tier 2B         Safety         3         2         31664.1         50.00         3.00%           County Safety Tier 3         Safety         3         2         31664.1         50.00         3.00%           County Safety Tier 3         Safety         3         2         7522.25(d)         57.00         2.70%           Novato Miscellaneous Tier 1         Miscellaneous         1         4         31676.16         55.00         2.00%           Novato Miscellaneous Tier 2         Miscellaneous         3         2         7522.20         62.00         2.00%           Novato Safety Tier 1         Safety         1         4         31664.1         50.00         3.00%           Novato Safety Tier 2         Safety         1  |   | Miscellaneous | 3   | 2    | 31676.16     | 55.00 | 2.00%          |
| County Safety Tier 1A         Safety         1         4         31664.2         55.00         3.00%           County Safety Tier 1B         Safety         1         4         31664.1         50.00         3.00%           County Safety Tier 2A         Safety         3         2         31664.2         55.00         3.00%           County Safety Tier 2B         Safety         3         2         31664.1         50.00         3.00%           County Safety Tier 3         Safety         3         2         31664.1         50.00         3.00%           County Safety Tier 3         Safety         3         2         31664.1         50.00         3.00%           County Safety Tier 3         Safety         3         2         7522.25(d)         57.00         2.70%           Novato Miscellaneous Tier 1         Miscellaneous         1         4         31676.16         55.00         2.00%           Novato Miscellaneous Tier 2         Miscellaneous         3         2         7522.20         62.00         2.00%           Novato Safety Tier 1         Safety         1         4         31664.1         50.00         3.00%           Novato Safety Tier 2         Safety         1         4  | County Miscellaneous Tier 4 <sup>2</sup>                | Miscellaneous | 3   | 2    | 31676.1      | 61.25 | 2.00%          |
| County Safety Tier 1B  Safety                      | County Miscellaneous Tier 5                             | Miscellaneous | 3   | 2    | 7522.20      | 62.00 | 2.00%          |
| County Safety Tier 2A         Safety         3         2         31664.2         55.00         3.00%           County Safety Tier 2B         Safety         3         2         31664.1         50.00         3.00%           County Safety Tier 3         Safety         3         2         31664.1         50.00         3.00%           County Safety Tier 3         Safety         3         2         7522.25(d)         57.00         2.70%           Novato Miscellaneous Tier 1         Miscellaneous         1         4         31676.16         55.00         2.00%           Novato Miscellaneous Tier 2         Miscellaneous         3         4         7522.20         62.00         2.00%           Novato Miscellaneous Tier 2A         Miscellaneous         3         2         7522.20         62.00         2.00%           Novato Safety Tier 1         Safety         1         4         31664.1         50.00         3.00%           Novato Safety Tier 3         Safety         1         4         31664.2         55.00         3.00%           Novato Safety Tier 3         Safety         3         4         7522.25(d)         57.00         2.70%           San Rafael Miscellaneous Tier 3         Safety <t< td=""><td>County Safety Tier 1A</td><td>Safety</td><td>1</td><td>4</td><td>31664.2</td><td>55.00</td><td>3.00%</td></t<>  | County Safety Tier 1A                                   | Safety        | 1   | 4    | 31664.2      | 55.00 | 3.00%          |
| County Safety Tier 2B         Safety         3         2         31664.1         50.00         3.00%           County Safety Tier 3         Safety         3         2         7522.25(d)         57.00         2.70%           Novato Miscellaneous Tier 1         Miscellaneous         1         4         31676.16         55.00         2.00%           Novato Miscellaneous Tier 2         Miscellaneous         3         4         7522.20         62.00         2.00%           Novato Miscellaneous Tier 2A         Miscellaneous         3         2         7522.20         62.00         2.00%           Novato Safety Tier 1         Safety         1         4         31664.1         50.00         3.00%           Novato Safety Tier 2         Safety         1         4         31664.2         55.00         3.00%           Novato Safety Tier 3         Safety         1         4         31664.2         55.00         3.00%           Novato Safety Tier 3A         Safety         3         4         7522.25(d)         57.00         2.70%           San Rafael Miscellaneous Tier 1         Miscellaneous         1         3         31676.19         55.00         2.00%           San Rafael Miscellaneous Tier 2         Mis   | County Safety Tier 1B                                   | Safety        | 1   | 4    | 31664.1      | 50.00 | 3.00%          |
| County Safety Tier 3         Safety         3         2         7522.25(d)         57.00         2.70%           Novato Miscellaneous Tier 1         Miscellaneous         1         4         31676.16         55.00         2.00%           Novato Miscellaneous Tier 2         Miscellaneous         3         4         7522.20         62.00         2.00%           Novato Miscellaneous Tier 2A         Miscellaneous         3         2         7522.20         62.00         2.00%           Novato Safety Tier 1         Safety         1         4         31664.1         50.00         3.00%           Novato Safety Tier 2         Safety         1         4         31664.2         55.00         3.00%           Novato Safety Tier 3         Safety         3         4         7522.25(d)         57.00         2.70%           Novato Safety Tier 3         Safety         3         4         7522.25(d)         57.00         2.70%           Novato Safety Tier 3         Safety         3         2         7522.25(d)         57.00         2.70%           San Rafael Miscellaneous Tier 3         Miscellaneous         1         3         31676.19         55.00         2.00%           San Rafael Miscellaneous Tier 3 <td< td=""><td>County Safety Tier 2A</td><td>Safety</td><td>3</td><td>2</td><td>31664.2</td><td>55.00</td><td>3.00%</td></td<>  | County Safety Tier 2A                                   | Safety        | 3   | 2    | 31664.2      | 55.00 | 3.00%          |
| Novato Miscellaneous Tier 1         Miscellaneous         1         4         31676.16         55.00         2.00%           Novato Miscellaneous Tier 2         Miscellaneous         3         4         7522.20         62.00         2.00%           Novato Miscellaneous Tier 2A         Miscellaneous         3         2         7522.20         62.00         2.00%           Novato Safety Tier 1         Safety         1         4         31664.1         50.00         3.00%           Novato Safety Tier 2         Safety         1         4         31664.2         55.00         3.00%           Novato Safety Tier 3         Safety         3         4         7522.25(d)         57.00         2.70%           Novato Safety Tier 3A         Safety         3         2         7522.25(d)         57.00         2.70%           San Rafael Miscellaneous Tier 1         Miscellaneous         1         3         31676.19         55.00         2.70%           San Rafael Miscellaneous Tier 2         Miscellaneous         3         2         31676.16         55.00         2.00%           San Rafael Fire Tier 1         Safety         1         3         31676.16         55.00         2.00%           San Rafael Fire Tier 2   | County Safety Tier 2B                                   | Safety        | 3   | 2    | 31664.1      | 50.00 | 3.00%          |
| Novato Miscellaneous Tier 2         Miscellaneous         3         4         7522.20         62.00         2.00%           Novato Miscellaneous Tier 2A         Miscellaneous         3         2         7522.20         62.00         2.00%           Novato Safety Tier 1         Safety         1         4         31664.1         50.00         3.00%           Novato Safety Tier 2         Safety         1         4         31664.2         55.00         3.00%           Novato Safety Tier 3         Safety         3         4         7522.25(d)         57.00         2.70%           Novato Safety Tier 3A         Safety         3         2         7522.25(d)         57.00         2.70%           San Rafael Miscellaneous Tier 1         Miscellaneous         1         3         31676.19         55.00         2.70%           San Rafael Miscellaneous Tier 2 2         Miscellaneous         3         2         31676.16         55.00         2.00%           San Rafael Fire Tier 1         Safety         1         3         31676.16         55.00         2.00%           San Rafael Fire Tier 1         Safety         1         3         31664.2         55.00         3.00%           San Rafael Fire Tier 2         Sa   | County Safety Tier 3                                    | Safety        | 3   | 2    | 7522.25(d)   | 57.00 | 2.70%          |
| Novato Miscellaneous Tier 2A         Miscellaneous         3         2         7522.20         62.00         2.00%           Novato Safety Tier 1         Safety         1         4         31664.1         50.00         3.00%           Novato Safety Tier 2         Safety         1         4         31664.2         55.00         3.00%           Novato Safety Tier 3         Safety         3         4         7522.25(d)         57.00         2.70%           Novato Safety Tier 3A         Safety         3         2         7522.25(d)         57.00         2.70%           San Rafael Miscellaneous Tier 1         Miscellaneous         1         3         31676.19         55.00         2.70%           San Rafael Miscellaneous Tier 2 2         Miscellaneous         3         2         31676.16         55.00         2.00%           San Rafael Miscellaneous Tier 3         Miscellaneous         3         2         7522.20         62.00         2.00%           San Rafael Fire Tier 1         Safety         1         3         31664.2         55.00         3.00%           San Rafael Fire Tier 2         Safety         3         2         31664.2         55.00         3.00%           San Rafael Safety Tier 1         <   | Novato Miscellaneous Tier 1                             | Miscellaneous | 1   | 4    | 31676.16     | 55.00 | 2.00%          |
| Novato Safety Tier 1         Safety         1         4         31664.1         50.00         3.00%           Novato Safety Tier 2         Safety         1         4         31664.2         55.00         3.00%           Novato Safety Tier 3         Safety         3         4         7522.25(d)         57.00         2.70%           Novato Safety Tier 3A         Safety         3         2         7522.25(d)         57.00         2.70%           San Rafael Miscellaneous Tier 1         Miscellaneous         1         3         31676.19         55.00         2.70%           San Rafael Miscellaneous Tier 2         Miscellaneous         3         2         31676.16         55.00         2.00%           San Rafael Miscellaneous Tier 3         Miscellaneous         3         2         7522.20         62.00         2.00%           San Rafael Fire Tier 1         Safety         1         3         31664.2         55.00         3.00%           San Rafael Fire Tier 2         Safety         3         2         31664.2         55.00         3.00%           San Rafael Fire Tier 3         Safety         3         2         7522.25(d)         57.00         2.70%           San Rafael Safety Tier 1         Safety <td>Novato Miscellaneous Tier 2</td> <td>Miscellaneous</td> <td>3</td> <td>4</td> <td>7522.20</td> <td>62.00</td> <td>2.00%</td>   | Novato Miscellaneous Tier 2                             | Miscellaneous | 3   | 4    | 7522.20      | 62.00 | 2.00%          |
| Novato Safety Tier 2         Safety         1         4         31664.2         55.00         3.00%           Novato Safety Tier 3         Safety         3         4         7522.25(d)         57.00         2.70%           Novato Safety Tier 3A         Safety         3         2         7522.25(d)         57.00         2.70%           San Rafael Miscellaneous Tier 1         Miscellaneous         1         3         31676.19         55.00         2.70%           San Rafael Miscellaneous Tier 2 <sup>2</sup> Miscellaneous         3         2         31676.16         55.00         2.00%           San Rafael Miscellaneous Tier 3         Miscellaneous         3         2         7522.20         62.00         2.00%           San Rafael Fire Tier 1         Safety         1         3         31664.2         55.00         3.00%           San Rafael Fire Tier 2         Safety         3         2         31664.2         55.00         3.00%           San Rafael Fire Tier 3         Safety         3         2         7522.25(d)         57.00         2.70%           San Rafael Safety Tier 1         Safety         3         2         7522.25(d)         57.00         2.70%  | Novato Miscellaneous Tier 2A                            | Miscellaneous | 3   | 2    | 7522.20      | 62.00 | 2.00%          |
| Novato Safety Tier 3         Safety         3         4         7522.25(d)         57.00         2.70%           Novato Safety Tier 3A         Safety         3         2         7522.25(d)         57.00         2.70%           San Rafael Miscellaneous Tier 1         Miscellaneous         1         3         31676.19         55.00         2.70%           San Rafael Miscellaneous Tier 2²         Miscellaneous         3         2         31676.16         55.00         2.00%           San Rafael Miscellaneous Tier 3         Miscellaneous         3         2         7522.20         62.00         2.00%           San Rafael Fire Tier 1         Safety         1         3         31664.2         55.00         3.00%           San Rafael Fire Tier 2         Safety         3         2         31664.2         55.00         3.00%           San Rafael Fire Tier 3         Safety         3         2         7522.25(d)         57.00         2.70%           San Rafael Safety Tier 1         Safety         1         3         31664.2         55.00         3.00%   | Novato Safety Tier 1                                    | Safety        | 1   | 4    | 31664.1      | 50.00 | 3.00%          |
| Novato Safety Tier 3A         Safety         3         2         7522.25(d)         57.00         2.70%           San Rafael Miscellaneous Tier 1         Miscellaneous         1         3         31676.19         55.00         2.70%           San Rafael Miscellaneous Tier 2²         Miscellaneous         3         2         31676.16         55.00         2.00%           San Rafael Miscellaneous Tier 3         Miscellaneous         3         2         7522.20         62.00         2.00%           San Rafael Fire Tier 1         Safety         1         3         31664.2         55.00         3.00%           San Rafael Fire Tier 2         Safety         3         2         31664.2         55.00         3.00%           San Rafael Fire Tier 3         Safety         3         2         7522.25(d)         57.00         2.70%           San Rafael Safety Tier 1         Safety         3         2         7522.25(d)         57.00         2.70%   | Novato Safety Tier 2                                    | Safety        | 1   | 4    | 31664.2      | 55.00 | 3.00%          |
| San Rafael Miscellaneous Tier 1         Miscellaneous         1         3         31676.19         55.00         2.70%           San Rafael Miscellaneous Tier 2 2         Miscellaneous         3         2         31676.16         55.00         2.00%           San Rafael Miscellaneous Tier 3         Miscellaneous         3         2         7522.20         62.00         2.00%           San Rafael Fire Tier 1         Safety         1         3         31664.2         55.00         3.00%           San Rafael Fire Tier 2         Safety         3         2         31664.2         55.00         3.00%           San Rafael Fire Tier 3         Safety         3         2         7522.25(d)         57.00         2.70%           San Rafael Safety Tier 1         Safety         1         3         31664.2         55.00         3.00%   | Novato Safety Tier 3                                    | Safety        | 3   | 4    | 7522.25(d)   | 57.00 | 2.70%          |
| San Rafael Miscellaneous Tier 2 <sup>2</sup> Miscellaneous         3         2         31676.16         55.00         2.00%           San Rafael Miscellaneous Tier 3         Miscellaneous         3         2         7522.20         62.00         2.00%           San Rafael Fire Tier 1         Safety         1         3         31664.2         55.00         3.00%           San Rafael Fire Tier 2         Safety         3         2         31664.2         55.00         3.00%           San Rafael Fire Tier 3         Safety         3         2         7522.25(d)         57.00         2.70%           San Rafael Safety Tier 1         Safety         1         3         31664.2         55.00         3.00%   | Novato Safety Tier 3A                                   | Safety        | 3   | 2    | 7522.25(d)   | 57.00 | 2.70%          |
| San Rafael Miscellaneous Tier 3         Miscellaneous         3         2         7522.20         62.00         2.00%           San Rafael Fire Tier 1         Safety         1         3         31664.2         55.00         3.00%           San Rafael Fire Tier 2         Safety         3         2         31664.2         55.00         3.00%           San Rafael Fire Tier 3         Safety         3         2         7522.25(d)         57.00         2.70%           San Rafael Safety Tier 1         Safety         1         3         31664.2         55.00         3.00%   | San Rafael Miscellaneous Tier 1                         | Miscellaneous | 1   | 3    | 31676.19     | 55.00 | 2.70%          |
| San Rafael Miscellaneous Tier 3         Miscellaneous         3         2         7522.20         62.00         2.00%           San Rafael Fire Tier 1         Safety         1         3         31664.2         55.00         3.00%           San Rafael Fire Tier 2         Safety         3         2         31664.2         55.00         3.00%           San Rafael Fire Tier 3         Safety         3         2         7522.25(d)         57.00         2.70%           San Rafael Safety Tier 1         Safety         1         3         31664.2         55.00         3.00%   | San Rafael Miscellaneous Tier 2 <sup>2</sup>            | Miscellaneous | 3   | 2    | 31676.16     | 55.00 | 2.00%          |
| San Rafael Fire Tier 1     Safety     1     3     31664.2     55.00     3.00%       San Rafael Fire Tier 2     Safety     3     2     31664.2     55.00     3.00%       San Rafael Fire Tier 3     Safety     3     2     7522.25(d)     57.00     2.70%       San Rafael Safety Tier 1     Safety     1     3     31664.2     55.00     3.00%   |   |               |     |      |              |       |                |
| San Rafael Fire Tier 2     Safety     3     2     31664.2     55.00     3.00%       San Rafael Fire Tier 3     Safety     3     2     7522.25(d)     57.00     2.70%       San Rafael Safety Tier 1     Safety     1     3     31664.2     55.00     3.00%   |   |               |     |      |              |       |                |
| San Rafael Fire Tier 3         Safety         3         2         7522.25(d)         57.00         2.70%           San Rafael Safety Tier 1         Safety         1         3         31664.2         55.00         3.00%   |   | •             |     |      |              |       |                |
| San Rafael Safety Tier 1         Safety         1         3         31664.2         55.00         3.00%  |   |               |     |      |              |       |                |
|  |   |               |     |      | ` '          |       |                |
| Dail Raiger Dailery Tier 2 Dailery Dai                     | San Rafael Safety Tier 2                                | Safety        | 3   | 2    | 31664.2      | 55.00 | 3.00%          |
| San Rafael Safety Tier 3 Safety 3 2 7522.25(d) 57.00 2.70%   |   |               |     |      |              |       |                |

<sup>&</sup>lt;sup>1</sup> This represents the age at which a retiring member would receive the benefit factor shown in the final column.

 $<sup>^{2}</sup>$  Members of these Tiers must be age 55 with 10 years of service to receive a service retirement benefit.



## APPENDIX C – SUMMARY OF PLAN PROVISIONS

**Table 2: Age & Service Factors** 

## Miscellaneous

| Age | 2% at A    | lisc<br>Age 61.25<br>§: 31676.1 | 2% at      | lisc<br>Age 58.5<br>: 31676.11 | 2% at      | lisc<br>Age 55.5<br>: 31676.14 | 2% at      | Iisc<br>t Age 55<br>: 31676.16 | 2.7% a     | Aisc<br>at Age 55<br>: 31676.19 | 2.7% a     | lisc<br>at Age 67<br>7522.20 |
|-----|------------|---------------------------------|------------|--------------------------------|------------|--------------------------------|------------|--------------------------------|------------|---------------------------------|------------|------------------------------|
|     | Age Factor | Age x Benefit                   | Age Factor | Age x Benefit                  | Age Factor | Age x Benefit                  | Age Factor | Age x Benefit                  | Age Factor | Age x Benefit                   | Age Factor | Age x Benefit                |
| 50  | 0.7091     | 1.18%                           | 0.7454     | 1.24%                          | 0.8850     | 1.48%                          | 0.7130     | 1.43%                          | 1.0000     | 2.00%                           | 1.0000     | 1.00%                        |
| 51  | 0.7457     | 1.24%                           | 0.7882     | 1.31%                          | 0.9399     | 1.57%                          | 0.7610     | 1.52%                          | 1.0700     | 2.14%                           | 1.0000     | 1.00%                        |
| 52  | 0.7816     | 1.30%                           | 0.8346     | 1.39%                          | 1.0000     | 1.67%                          | 0.8140     | 1.63%                          | 1.1400     | 2.28%                           | 1.0000     | 1.00%                        |
| 53  | 0.8181     | 1.36%                           | 0.8850     | 1.48%                          | 1.0447     | 1.74%                          | 0.8710     | 1.74%                          | 1.2100     | 2.42%                           | 1.1000     | 1.10%                        |
| 54  | 0.8556     | 1.43%                           | 0.9399     | 1.57%                          | 1.1048     | 1.84%                          | 0.9330     | 1.87%                          | 1.2800     | 2.56%                           | 1.2000     | 1.20%                        |
| 55  | 0.8954     | 1.49%                           | 1.0000     | 1.67%                          | 1.1686     | 1.95%                          | 1.0000     | 2.00%                          | 1.3500     | 2.70%                           | 1.3000     | 1.30%                        |
| 56  | 0.9382     | 1.56%                           | 1.0447     | 1.74%                          | 1.2365     | 2.06%                          | 1.0260     | 2.05%                          | 1.3500     | 2.70%                           | 1.4000     | 1.40%                        |
| 57  | 0.9846     | 1.64%                           | 1.1048     | 1.84%                          | 1.3093     | 2.18%                          | 1.0520     | 2.10%                          | 1.3500     | 2.70%                           | 1.5000     | 1.50%                        |
| 58  | 1.0350     | 1.73%                           | 1.1686     | 1.95%                          | 1.3608     | 2.27%                          | 1.0780     | 2.16%                          | 1.3500     | 2.70%                           | 1.6000     | 1.60%                        |
| 59  | 1.0899     | 1.82%                           | 1.2365     | 2.06%                          | 1.4123     | 2.35%                          | 1.1050     | 2.21%                          | 1.3500     | 2.70%                           | 1.7000     | 1.70%                        |
| 60  | 1.1500     | 1.92%                           | 1.3093     | 2.18%                          | 1.4638     | 2.44%                          | 1.1310     | 2.26%                          | 1.3500     | 2.70%                           | 1.8000     | 1.80%                        |
| 61  | 1.1947     | 1.99%                           | 1.3608     | 2.27%                          | 1.5153     | 2.53%                          | 1.1570     | 2.31%                          | 1.3500     | 2.70%                           | 1.9000     | 1.90%                        |
| 62  | 1.2548     | 2.09%                           | 1.4123     | 2.35%                          | 1.5668     | 2.61%                          | 1.1830     | 2.37%                          | 1.3500     | 2.70%                           | 2.0000     | 2.00%                        |
| 63  | 1.3186     | 2.20%                           | 1.4638     | 2.44%                          | 1.5668     | 2.61%                          | 1.2090     | 2.42%                          | 1.3500     | 2.70%                           | 2.1000     | 2.10%                        |
| 64  | 1.3865     | 2.31%                           | 1.5153     | 2.53%                          | 1.5668     | 2.61%                          | 1.2090     | 2.42%                          | 1.3500     | 2.70%                           | 2.2000     | 2.20%                        |
| 65  | 1.4593     | 2.43%                           | 1.5668     | 2.61%                          | 1.5668     | 2.61%                          | 1.2090     | 2.42%                          | 1.3500     | 2.70%                           | 2.3000     | 2.30%                        |
| 66  | 1.4593     | 2.43%                           | 1.5668     | 2.61%                          | 1.5668     | 2.61%                          | 1.2090     | 2.42%                          | 1.3500     | 2.70%                           | 2.4000     | 2.40%                        |
| 67+ | 1.4593     | 2.43%                           | 1.5668     | 2.61%                          | 1.5668     | 2.61%                          | 1.2090     | 2.42%                          | 1.3500     | 2.70%                           | 2.5000     | 2.50%                        |



## APPENDIX C – SUMMARY OF PLAN PROVISIONS

## Safety

|     | Safety 2% at Age 50 |               | Safety 3%  | Safety 3% at Age 50 |            | 6 at Age 55   | Safety 2.7% at Age 57 |               |  |
|-----|---------------------|---------------|------------|---------------------|------------|---------------|-----------------------|---------------|--|
| Age | CERL                | §: 31664      | CERL §     | : 31664.1           | CERL §     | : 31664.2     | GC §: 7               | 522.25(d)     |  |
|     | Age Factor          | Age x Benefit | Age Factor | Age x Benefit       | Age Factor | Age x Benefit | Age Factor            | Age x Benefit |  |
| 41  | 0.6258              | 1.25%         | 0.6258     | 1.88%               | 0.4777     | 1.43%         | 2.0000                | 2.00%         |  |
| 42  | 0.6625              | 1.33%         | 0.6625     | 1.99%               | 0.5058     | 1.52%         | 2.0000                | 2.00%         |  |
| 43  | 0.7004              | 1.40%         | 0.7004     | 2.10%               | 0.5347     | 1.60%         | 2.0000                | 2.00%         |  |
| 44  | 0.7397              | 1.48%         | 0.7397     | 2.22%               | 0.5647     | 1.69%         | 2.0000                | 2.00%         |  |
| 45  | 0.7805              | 1.56%         | 0.7805     | 2.34%               | 0.5958     | 1.79%         | 2.0000                | 2.00%         |  |
| 46  | 0.8226              | 1.65%         | 0.8226     | 2.47%               | 0.6280     | 1.88%         | 2.0000                | 2.00%         |  |
| 47  | 0.8678              | 1.74%         | 0.8678     | 2.60%               | 0.6625     | 1.99%         | 2.0000                | 2.00%         |  |
| 48  | 0.9085              | 1.82%         | 0.9085     | 2.73%               | 0.6936     | 2.08%         | 2.0000                | 2.00%         |  |
| 49  | 0.9522              | 1.90%         | 0.9522     | 2.86%               | 0.7269     | 2.18%         | 2.0000                | 2.00%         |  |
| 50  | 1.0000              | 2.00%         | 1.0000     | 3.00%               | 0.7634     | 2.29%         | 2.0000                | 2.00%         |  |
| 51  | 1.0516              | 2.10%         | 1.0000     | 3.00%               | 0.8028     | 2.41%         | 2.1000                | 2.10%         |  |
| 52  | 1.1078              | 2.22%         | 1.0000     | 3.00%               | 0.8457     | 2.54%         | 2.2000                | 2.20%         |  |
| 53  | 1.1692              | 2.34%         | 1.0000     | 3.00%               | 0.8926     | 2.68%         | 2.3000                | 2.30%         |  |
| 54  | 1.2366              | 2.47%         | 1.0000     | 3.00%               | 0.9418     | 2.83%         | 2.4000                | 2.40%         |  |
| 55  | 1.3099              | 2.62%         | 1.0000     | 3.00%               | 1.0000     | 3.00%         | 2.5000                | 2.50%         |  |
| 56  | 1.3099              | 2.62%         | 1.0000     | 3.00%               | 1.0000     | 3.00%         | 2.6000                | 2.60%         |  |
| 57+ | 1.3099              | 2.62%         | 1.0000     | 3.00%               | 1.0000     | 3.00%         | 2.7000                | 2.70%         |  |



### APPENDIX C – SUMMARY OF PLAN PROVISIONS

PEPRA: For New Nonsafety Members, the benefit multiplier will be 1% at age 52, increasing by 0.1% for each year of age to 2.5% at 67. For New Safety Members, the benefit multiplier will be 2% at age 50, increasing by 0.1% for each year of age to 2.7% at age 57. In between exact ages, the multiplier will increase by 0.025% for each quarter year increase in age.

New Members are subject to the PEPRA caps and other restrictions on pensionable compensation described in other parts of the valuation.

## Form of Benefit

The Service Retirement Benefit will be paid monthly beginning at retirement and for the life of the Member. If the member selects the unmodified benefit form, in the event of the Member's death 60% of the benefit will continue for the life of the Member's spouse or to the age of majority of dependent minor children if there is no spouse. In the event there is no surviving spouse or minor children, any unpaid remainder of the Member's accumulated contributions will be paid to the Member's designated beneficiary.

Actuarially equivalent optional benefit forms are also available.

Annually on April 1, benefits are increased or decreased to reflect changes in the CPI for the San Francisco Bay Area. Annual increases may not exceed the COLA figures shown in Table 1, but CPI increases above this figure are "banked" and used for future increases when the CPI increases by less than the figures shown.

In addition, ad hoc cost-of-living adjustments have been granted in the past and may be granted in the future.

A lump sum benefit of \$5,000 will be payable upon the death of a retired member.



### APPENDIX C – SUMMARY OF PLAN PROVISIONS

## **Service-Connected Disability**

## Eligibility

Members are eligible for Service-Connected Disability Retirement benefits at any age if they are permanently disabled as a result of injuries or illness sustained in the line of duty.

## Benefit Amount

The Service-Connected Disability Retirement Benefit payable to Members is equal to the greater of 50% of their Final Compensation or – if the Member is eligible at disability for a Service Retirement Benefit – the Service Retirement Benefit accrued on the date of disability.

PEPRA: The Service-Connected Disability Retirement Benefit for New Members will be based on the new definitions of Pensionable Compensation and Final Compensation applicable to New Members.

## Form of Benefit

The Service-Connected Disability Retirement Benefit will be paid monthly beginning at the effective date of disability retirement and for the life of the Member; in the event of the Member's death, 100% of the benefit will continue for the life of the Member's spouse or to the age of majority of dependent minor children if there is no spouse. In the event there is no surviving spouse or minor children, any unpaid remainder of the Member's accumulated contributions will be paid to the Member's designated beneficiary.

Actuarially equivalent optional benefit forms and COLA adjustments (as described for the Service Retirement benefit) are also available. A lump sum benefit of \$5,000 will be payable upon the death of the member.



### APPENDIX C – SUMMARY OF PLAN PROVISIONS

## **Nonservice-Connected Disability**

## **Eligibility**

Members are eligible to for Nonservice-Connected Disability Retirement benefits if they are permanently disabled at any age after earning five years of Credited Service.

## Benefit Amount

The Nonservice-Connected Disability Retirement Benefit payable to Miscellaneous Members is equal to the greatest of:

- 1.5% of Final Compensation at disability multiplied by years of Credited Service at disability,
- 1.5% of Final Compensation at disability multiplied by years of Credited Service projected to age 65, but not to exceed one-third of Final Compensation, or
- If the Member is eligible at disability for a Service Retirement Benefit, the Service Retirement Benefit accrued on the date of disability.

The Nonservice-Connected Disability Retirement Benefit payable to Safety Members is equal to the greatest of:

- 1.8% of Final Compensation at disability multiplied by years of Credited Service at disability,
- 1.8% of Final Compensation at disability multiplied by years of Credited Service projected to age 55, but not to exceed one-third of Final Compensation, or
- If the Member is eligible at disability for a Service Retirement Benefit, the Service Retirement Benefit accrued on the date of disability.

PEPRA: The Nonservice-Connected Disability Retirement Benefit for New Members will be based on the new definitions of Pensionable Compensation and Final Compensation applicable to New Members.

### Form of Benefit

The Nonservice-Connected Disability Retirement Benefit will be paid monthly beginning at the effective date of disability retirement, and for the life of the Member; in the event of the Member's death, 60% of the benefit will continue for the life of the Member's spouse or to the age of majority of dependent minor children if there is no spouse. In the event there is no surviving spouse or minor children, any unpaid remainder of the Member's accumulated contributions will be paid to the Member's designated beneficiary.

Actuarially equivalent optional benefit forms and COLA adjustments (as described for the Service Retirement benefit) are also available. A lump sum benefit of \$5,000 will be payable upon the death of the member.



### APPENDIX C – SUMMARY OF PLAN PROVISIONS

#### **Pre-Retirement Death**

## **Eligibility**

A Member's survivors are eligible to receive different Death benefits dependent on the Member's cause of death and retirement eligibility.

## Benefit Amount

In the event the Member's death resulted from injury or illness sustained in connection with the Member's duties, the Death Benefit payable to a surviving spouse or domestic partner will be 50% of the Member's Final Compensation.

In the event the Member was eligible for Service Retirement or Non-Service Connected Disability, the Death Benefit payable to the survivor will be 60% of the Nonservice-Connected Disability Retirement Benefit based on benefit due on Member's date of death.

In all other cases, the eligible survivor will receive a refund of the Member's contributions with interest plus one month of Final Compensation for each year of service to a maximum of six years.

PEPRA: The Death Benefits for New Members related to Final Compensation will be based on the new definitions of Pensionable Compensation and Final Compensation applicable to New Members.

## Form of Benefit

The Service-Connected Death Benefit will be paid monthly beginning at the Member's death and for the life of the surviving spouse or to the age of majority of dependent minor children if there is no spouse.

COLA adjustments (as described for the Service Retirement benefit) are also available.

#### Withdrawal Benefit

### **Eligibility**

A Member is eligible for a Withdrawal Benefit upon termination of employment.

### Benefit Amount

The Withdrawal Benefit is a refund of the Member's accumulated Contributions with interest. Upon receipt of the Withdrawal Benefit the Member forfeits all Credited



### APPENDIX C – SUMMARY OF PLAN PROVISIONS

Service. Alternatively, the Member can leave contributions on deposit and retire at the date first eligible (age 70 for those not vested).

## Form of Benefit

The Withdrawal Benefit is paid in a lump sum upon election by the Member.

#### **Deferred Vested Benefit**

## **Eligibility**

A Member is eligible for a Deferred Vested Benefit upon termination of employment after earning five years of Credited Service, including reciprocity service from another system. The Member must leave his or her Member Contributions with interest on deposit with the Plan.

## Benefit Amount

The Deferred Vested Benefit is computed in the same manner as the Service Retirement Benefit, but it is based on Credited Service and Final Compensation on the date of termination.

PEPRA: For New Members, the Deferred Vested Benefit will be based on the new benefit formulas, and will be based on the new definitions of Pensionable Compensation and Final Compensation applicable to New Members.

### Form of Benefit

The Deferred Vested Benefit will be paid monthly beginning at retirement and for the life of the Member; in the event of the Member's death, 60% of the benefit will continue for the life of the Member's spouse or to the age of majority of dependent minor children if there is no spouse. In the event there is no surviving spouse or minor children, any unpaid remainder of the Member's accumulated contributions will be paid to the Member's designated beneficiary.

Actuarially equivalent optional benefit forms and COLA adjustments (as described for the Service Retirement benefit) are also available. A lump sum benefit of \$ 5,000 will be payable upon the death of the member.

PEPRA: For New Members, the Deferred Vested Benefit may commence at the new service retirement eligibility criteria (age 52 for Nonsafety, age 50 for Safety.)



### APPENDIX C – SUMMARY OF PLAN PROVISIONS

## **Reciprocal Benefit**

## **Eligibility**

A Member is eligible for a Reciprocal Benefit upon termination of employment and entry, within a specified period of time, into another retirement system recognized as a reciprocal system by the Plan. In addition, the Member must leave his or her Member Contributions with interest on deposit with the Plan.

## Benefit Amount

The Reciprocal Benefit is computed in the same manner as the Service Retirement Benefit, but it is based on Credited Service on the date of termination and Final Compensation on the date of retirement; Final Compensation is based on the highest of the Compensation earned under this Plan or the reciprocal plan.

PEPRA: For New Members, the Reciprocal Benefit will be based on the new benefit formulas, and will be based on the new definitions of Pensionable Compensation and Final Compensation applicable to New Members.

## Form of Benefit

The Reciprocal Benefit will be paid monthly beginning at retirement and for the life of the Member; in the event of the Member's death, 60% of the benefit will continue for the life of the Member's spouse or to the age of majority of dependent minor children if there is no spouse. In the event there is no surviving spouse or minor children, any unpaid remainder of the Member's accumulated contributions will be paid to the Member's designated beneficiary.

Actuarially equivalent optional benefit forms and COLA adjustments (as described for the Service Retirement benefit) are also available.

A lump sum benefit may be payable upon the death of a retired Member by the last system the Member worked under.

PEPRA: For New Members, the Reciprocal Benefit may commence at the new service retirement eligibility criteria (age 52 for Nonsafety, age 50 for Safety.)



### APPENDIX C – SUMMARY OF PLAN PROVISIONS

## **Optional Benefit Forms**

Prior to retirement, a member may elect to convert his retirement allowance into a benefit of equivalent actuarial value in accordance with one of the optional forms described below.

- 1. A reduced retirement allowance payable during his life with the provision that on his death the excess, if any, of his accumulated deductions at the time of retirement over the annuity payments made to him will be paid to his designated beneficiary or estate, or
- 2. A reduced retirement allowance payable during his life with the provision that after his death the reduced allowance will be continued for life to the beneficiary designated by him at the time of his retirement, or
- 3. A reduced retirement allowance payable during his life with the provision that after his death an allowance of one-half of his reduced allowance will be continued for life to the beneficiary designated by him at the time of his retirement.

PEPRA: No change.



### APPENDIX D – GLOSSARY

## 1. Actuarial Assumptions

Assumptions as to the occurrence of future events affecting pension costs such as mortality, withdrawal, disability, retirement, changes in compensation, and rates of investment return.

### 2. Actuarial Cost Method

A procedure for determining the actuarial present value of pension plan benefits and expenses and for developing an allocation of such value to each year of service, usually in the form of a normal cost and an Actuarial Liability.

### 3. Actuarial Gain (Loss)

The difference between actual experience and that expected based upon a set of actuarial assumptions during the period between two actuarial valuation dates, as determined in accordance with a particular actuarial cost method.

## 4. Actuarial Liability

The portion of the actuarial present value of projected benefits which will not be paid by future normal costs. It represents the value of the past normal costs with interest to the valuation date.

### 5. Actuarial Present Value (Present Value)

The value as of a given date of a future amount or series of payments. The actuarial present value discounts the payments to the given date at the assumed investment return and includes the probability of the payment being made.

#### 6. Actuarial Valuation

The determination, as of a specified date, of the normal cost, Actuarial Liability, Actuarial Value of Assets, and related actuarial present values for a pension plan.



### APPENDIX D – GLOSSARY

### 7. Actuarial Value of Assets

The value of cash, investments, and other property belonging to a pension plan as used by the actuary for the purpose of an actuarial valuation. The purpose of an Actuarial Value of Assets is generally to smooth out fluctuations in market values. As of the June 30, 2014 valuation, no smoothing of the assets is applied, and the actuarial value equals the market value.

## 8. Actuarially Equivalent

Of equal actuarial present value, determined as of a given date, with each value based on the same set of actuarial assumptions.

## 9. Amortization Payment

The portion of the pension plan contribution, which is designed to pay interest and principal on the Unfunded Actuarial Liability in order to pay for that liability in a given number of years.

## 10. Entry Age Normal Actuarial Cost Method

A method under which the actuarial present value of the projected benefits of each individual included in an actuarial valuation is allocated on a level basis over the earnings of the individual between entry age and assumed exit ages.

#### 11. Funded Ratio

The ratio of the Actuarial Value of Assets to the Actuarial Liability.

### 12. Normal Cost

That portion of the actuarial present value of pension plan benefits and expenses which is allocated to a valuation year by the actuarial Cost Method.

## 13. Projected Benefits

Those pension plan benefit amounts which are expected to be paid in the future under a particular set of actuarial assumptions, taking into account such items as increases in future compensation and service credits.

### 14. Unfunded Actuarial Liability

The excess of the Actuarial Liability over the Actuarial Value of Assets.



### **APPENDIX E – MEMBER CONTRIBUTION RATES**

Employee contribution rates vary by member Group and Tier. The basic rates are determined based on Government Code Section 31621 for General members (31621.1 for members under benefit section 31676.11, 31621.8 for members under benefit 31676.19) and Section 31639.25 for Safety members. The COLA rates for members are determined based on 50% of the normal cost associated with the expected COLA benefits, determined for each individual entry age. A cap on the employee COLA contribution rate is applied to the County and Courts members. Some County Safety groups are paying additional employee contributions as a result of bargaining agreements.

The current rates were determined based on an interest rate of 7.00% per annum, an average salary increase of 3.00% per year (plus service-based increases for merit/longevity), and the CalPERS 2017 Post-Retirement Healthy Mortality rates, adjusted by 90% for Males (Miscellaneous and Safety) with the static projection used by CalPERS replaced by generational improvements from a base year of 2014 to the year 2037 using Scale MP-2017.

The rates are blended based on a male/female weighting of 40% male/60% female for General members, and 85% male/15% female for Safety members. Basic and COLA rates were determined based on an assumption that members would cease making contributions after 30 years of service.

Employee contribution rates for PEPRA members are determined based on half the normal cost for the PEPRA members (computed separately for General and Safety members, and those with 2%, 3%, or 4% capped COLAs). Due to the passage of SB13, contribution rates for PEPRA members are not rounded, and are recomputed each year.

A load is added to the employee contributions to cover their share of the expected administrative expenses. For the current valuation, the load is 4.8% of the total unadjusted contribution rate.



| County Miscellaneous and Courts: Tier 1 (31676.14) |        |       |          |        |  |
|--|--------|-------|----------|--------|--|
| Entry  |        |       |          |        |  |
| Age  | Basic  | COL   | to 1.58% | Total  |  |
| 20   | 6.43%  | 1.97% | 1.58%    | 8.01%  |  |
| 21   | 6.46%  | 2.04% | 1.58%    | 8.04%  |  |
| 22   | 6.49%  | 2.12% | 1.58%    | 8.07%  |  |
| 23   | 6.51%  | 2.20% | 1.58%    | 8.09%  |  |
| 24   | 6.53%  | 2.27% | 1.58%    | 8.11%  |  |
| 25   | 6.55%  | 2.35% | 1.58%    | 8.13%  |  |
| 26   | 6.56%  | 2.43% | 1.58%    | 8.14%  |  |
| 27   | 6.56%  | 2.50% | 1.58%    | 8.14%  |  |
| 28   | 6.56%  | 2.59% | 1.58%    | 8.14%  |  |
| 29   | 6.55%  | 2.66% | 1.58%    | 8.13%  |  |
| 30   | 6.54%  | 2.75% | 1.58%    | 8.12%  |  |
| 31   | 6.66%  | 2.81% | 1.58%    | 8.24%  |  |
| 32   | 6.78%  | 2.86% | 1.58%    | 8.36%  |  |
| 33   | 6.91%  | 2.93% | 1.58%    | 8.49%  |  |
| 34   | 7.04%  | 3.01% | 1.58%    | 8.62%  |  |
| 35   | 7.16%  | 3.09% | 1.58%    | 8.74%  |  |
| 36   | 7.30%  | 3.14% | 1.58%    | 8.88%  |  |
| 37   | 7.42%  | 3.22% | 1.58%    | 9.00%  |  |
| 38   | 7.57%  | 3.28% | 1.58%    | 9.15%  |  |
| 39   | 7.71%  | 3.34% | 1.58%    | 9.29%  |  |
| 40   | 7.85%  | 3.41% | 1.58%    | 9.43%  |  |
| 41   | 7.99%  | 3.45% | 1.58%    | 9.57%  |  |
| 42   | 8.15%  | 3.51% | 1.58%    | 9.73%  |  |
| 43   | 8.30%  | 3.52% | 1.58%    | 9.88%  |  |
| 44   | 8.46%  | 3.52% | 1.58%    | 10.04% |  |
| 45   | 8.63%  | 3.54% | 1.58%    | 10.21% |  |
| 46   | 8.80%  | 3.56% | 1.58%    | 10.38% |  |
| 47   | 8.97%  | 3.55% | 1.58%    | 10.55% |  |
| 48   | 9.16%  | 3.53% | 1.58%    | 10.74% |  |
| 49   | 9.35%  | 3.53% | 1.58%    | 10.93% |  |
| 50   | 9.54%  | 3.53% | 1.58%    | 11.12% |  |
| 51   | 9.73%  | 3.53% | 1.58%    | 11.31% |  |
| 52   | 9.92%  | 3.48% | 1.58%    | 11.50% |  |
| 53   | 10.09% | 3.43% | 1.58%    | 11.67% |  |
| 54   | 10.24% | 3.37% | 1.58%    | 11.82% |  |
| 55   | 10.35% | 3.27% | 1.58%    | 11.93% |  |
| 56   | 10.38% | 3.17% | 1.58%    | 11.96% |  |
| 57   | 10.36% | 3.07% | 1.58%    | 11.94% |  |
| 58   | 10.25% | 2.98% | 1.58%    | 11.83% |  |
| 59+  | 10.15% | 2.83% | 1.58%    | 11.73% |  |



| County Miscellaneous and Courts: Tier 2 (31676.1) |             |       |          |        |  |
|---|-------------|-------|----------|--------|--|
| Entry   | COL Limited |       |          |        |  |
| Age   | Basic       | COL   | to 1.58% | Total  |  |
| 20  | 6.12%       | 0.99% | 0.99%    | 7.11%  |  |
| 21  | 6.15%       | 1.03% | 1.03%    | 7.18%  |  |
| 22  | 6.18%       | 1.06% | 1.06%    | 7.24%  |  |
| 23  | 6.21%       | 1.10% | 1.10%    | 7.31%  |  |
| 24  | 6.23%       | 1.13% | 1.13%    | 7.36%  |  |
| 25  | 6.24%       | 1.17% | 1.17%    | 7.41%  |  |
| 26  | 6.24%       | 1.22% | 1.22%    | 7.46%  |  |
| 27  | 6.25%       | 1.26% | 1.26%    | 7.51%  |  |
| 28  | 6.26%       | 1.30% | 1.30%    | 7.56%  |  |
| 29  | 6.25%       | 1.34% | 1.34%    | 7.59%  |  |
| 30  | 6.24%       | 1.38% | 1.38%    | 7.62%  |  |
| 31  | 6.35%       | 1.43% | 1.43%    | 7.78%  |  |
| 32  | 6.46%       | 1.47% | 1.47%    | 7.93%  |  |
| 33  | 6.58%       | 1.51% | 1.51%    | 8.09%  |  |
| 34  | 6.71%       | 1.55% | 1.55%    | 8.26%  |  |
| 35  | 6.85%       | 1.59% | 1.58%    | 8.43%  |  |
| 36  | 7.01%       | 1.64% | 1.58%    | 8.59%  |  |
| 37  | 7.16%       | 1.68% | 1.58%    | 8.74%  |  |
| 38  | 7.30%       | 1.72% | 1.58%    | 8.88%  |  |
| 39  | 7.43%       | 1.76% | 1.58%    | 9.01%  |  |
| 40  | 7.57%       | 1.79% | 1.58%    | 9.15%  |  |
| 41  | 7.71%       | 1.83% | 1.58%    | 9.29%  |  |
| 42  | 7.85%       | 1.87% | 1.58%    | 9.43%  |  |
| 43  | 8.00%       | 1.89% | 1.58%    | 9.58%  |  |
| 44  | 8.16%       | 1.91% | 1.58%    | 9.74%  |  |
| 45  | 8.31%       | 1.93% | 1.58%    | 9.89%  |  |
| 46  | 8.48%       | 1.95% | 1.58%    | 10.06% |  |
| 47  | 8.65%       | 1.95% | 1.58%    | 10.23% |  |
| 48  | 8.83%       | 1.96% | 1.58%    | 10.41% |  |
| 49  | 9.00%       | 1.96% | 1.58%    | 10.58% |  |
| 50  | 9.16%       | 1.97% | 1.58%    | 10.74% |  |
| 51  | 9.32%       | 1.98% | 1.58%    | 10.90% |  |
| 52  | 9.46%       | 1.97% | 1.58%    | 11.04% |  |
| 53  | 9.57%       | 1.96% | 1.58%    | 11.15% |  |
| 54  | 9.63%       | 1.95% | 1.58%    | 11.21% |  |
| 55  | 9.65%       | 1.90% | 1.58%    | 11.23% |  |
| 56  | 9.60%       | 1.84% | 1.58%    | 11.18% |  |
| 57  | 9.51%       | 1.79% | 1.58%    | 11.09% |  |
| 58  | 9.82%       | 1.74% | 1.58%    | 11.40% |  |
| 59+   | 10.15%      | 1.67% | 1.58%    | 11.73% |  |



| County Miscellaneous Tiers 3 and 3A, Courts Tiers 3 and 4 (31676.16) |                        |       |          |              |        |
|--|------------------------|-------|----------|--------------|--------|
| Entry  | COL Limited Additional |       |          |              |        |
| Age  | Basic                  | COL   | to 1.58% | Cost Sharing | Total  |
| 20   | 6.17%                  | 1.21% | 1.21%    | 1.14%        | 8.52%  |
| 21   | 6.20%                  | 1.25% | 1.25%    | 1.14%        | 8.59%  |
| 22   | 6.24%                  | 1.29% | 1.29%    | 1.14%        | 8.67%  |
| 23   | 6.26%                  | 1.34% | 1.34%    | 1.14%        | 8.74%  |
| 24   | 6.28%                  | 1.38% | 1.38%    | 1.14%        | 8.80%  |
| 25   | 6.30%                  | 1.41% | 1.41%    | 1.14%        | 8.85%  |
| 26   | 6.30%                  | 1.46% | 1.46%    | 1.14%        | 8.90%  |
| 27   | 6.31%                  | 1.51% | 1.51%    | 1.14%        | 8.96%  |
| 28   | 6.31%                  | 1.55% | 1.55%    | 1.14%        | 9.00%  |
| 29   | 6.31%                  | 1.59% | 1.58%    | 1.14%        | 9.03%  |
| 30   | 6.35%                  | 1.64% | 1.58%    | 1.14%        | 9.07%  |
| 31   | 6.48%                  | 1.68% | 1.58%    | 1.14%        | 9.20%  |
| 32   | 6.60%                  | 1.72% | 1.58%    | 1.14%        | 9.32%  |
| 33   | 6.71%                  | 1.76% | 1.58%    | 1.14%        | 9.43%  |
| 34   | 6.84%                  | 1.80% | 1.58%    | 1.14%        | 9.56%  |
| 35   | 6.96%                  | 1.86% | 1.58%    | 1.14%        | 9.68%  |
| 36   | 7.09%                  | 1.89% | 1.58%    | 1.14%        | 9.81%  |
| 37   | 7.22%                  | 1.92% | 1.58%    | 1.14%        | 9.94%  |
| 38   | 7.35%                  | 1.96% | 1.58%    | 1.14%        | 10.07% |
| 39   | 7.49%                  | 1.99% | 1.58%    | 1.14%        | 10.21% |
| 40   | 7.62%                  | 2.02% | 1.58%    | 1.14%        | 10.34% |
| 41   | 7.76%                  | 2.05% | 1.58%    | 1.14%        | 10.48% |
| 42   | 7.91%                  | 2.09% | 1.58%    | 1.14%        | 10.63% |
| 43   | 8.05%                  | 2.10% | 1.58%    | 1.14%        | 10.77% |
| 44   | 8.21%                  | 2.10% | 1.58%    | 1.14%        | 10.93% |
| 45   | 8.37%                  | 2.10% | 1.58%    | 1.14%        | 11.09% |
| 46   | 8.54%                  | 2.11% | 1.58%    | 1.14%        | 11.26% |
| 47   | 8.70%                  | 2.10% | 1.58%    | 1.14%        | 11.42% |
| 48   | 8.88%                  | 2.09% | 1.58%    | 1.14%        | 11.60% |
| 49   | 9.05%                  | 2.08% | 1.58%    | 1.14%        | 11.77% |
| 50   | 9.22%                  | 2.08% | 1.58%    | 1.14%        | 11.94% |
| 51   | 9.38%                  | 2.08% | 1.58%    | 1.14%        | 12.10% |
| 52   | 9.51%                  | 2.05% | 1.58%    | 1.14%        | 12.23% |
| 53   | 9.63%                  | 2.02% | 1.58%    | 1.14%        | 12.35% |
| 54   | 9.69%                  | 1.99% | 1.58%    | 1.14%        | 12.41% |
| 55   | 9.70%                  | 1.94% | 1.58%    | 1.14%        | 12.42% |
| 56   | 9.66%                  | 1.88% | 1.58%    | 1.14%        | 12.38% |
| 57   | 9.56%                  | 1.81% | 1.58%    | 1.14%        | 12.28% |
| 58   | 9.88%                  | 1.76% | 1.58%    | 1.14%        | 12.60% |
| 59+  | 10.20%                 | 1.68% | 1.58%    | 1.14%        | 12.92% |



| County Miscellaneous Tier 4 (31676.1) |             |       |          |        |  |
|---------------------------------------|-------------|-------|----------|--------|--|
| Entry                                 | COL Limited |       |          |        |  |
| Age                                   | Basic       | COL   | to 1.58% | Total  |  |
| 20                                    | 6.12%       | 1.00% | 1.00%    | 7.12%  |  |
| 21                                    | 6.15%       | 1.03% | 1.03%    | 7.18%  |  |
| 22                                    | 6.18%       | 1.06% | 1.06%    | 7.24%  |  |
| 23                                    | 6.21%       | 1.10% | 1.10%    | 7.31%  |  |
| 24                                    | 6.23%       | 1.14% | 1.14%    | 7.37%  |  |
| 25                                    | 6.24%       | 1.17% | 1.17%    | 7.41%  |  |
| 26                                    | 6.24%       | 1.22% | 1.22%    | 7.46%  |  |
| 27                                    | 6.25%       | 1.26% | 1.26%    | 7.51%  |  |
| 28                                    | 6.26%       | 1.30% | 1.30%    | 7.56%  |  |
| 29                                    | 6.25%       | 1.34% | 1.34%    | 7.59%  |  |
| 30                                    | 6.24%       | 1.38% | 1.38%    | 7.62%  |  |
| 31                                    | 6.35%       | 1.43% | 1.43%    | 7.78%  |  |
| 32                                    | 6.46%       | 1.47% | 1.47%    | 7.93%  |  |
| 33                                    | 6.58%       | 1.51% | 1.51%    | 8.09%  |  |
| 34                                    | 6.71%       | 1.55% | 1.55%    | 8.26%  |  |
| 35                                    | 6.85%       | 1.59% | 1.58%    | 8.43%  |  |
| 36                                    | 7.00%       | 1.62% | 1.58%    | 8.58%  |  |
| 37                                    | 7.16%       | 1.68% | 1.58%    | 8.74%  |  |
| 38                                    | 7.30%       | 1.72% | 1.58%    | 8.88%  |  |
| 39                                    | 7.43%       | 1.75% | 1.58%    | 9.01%  |  |
| 40                                    | 7.57%       | 1.79% | 1.58%    | 9.15%  |  |
| 41                                    | 7.71%       | 1.82% | 1.58%    | 9.29%  |  |
| 42                                    | 7.85%       | 1.87% | 1.58%    | 9.43%  |  |
| 43                                    | 8.00%       | 1.89% | 1.58%    | 9.58%  |  |
| 44                                    | 8.16%       | 1.91% | 1.58%    | 9.74%  |  |
| 45                                    | 8.31%       | 1.93% | 1.58%    | 9.89%  |  |
| 46                                    | 8.48%       | 1.95% | 1.58%    | 10.06% |  |
| 47                                    | 8.65%       | 1.95% | 1.58%    | 10.23% |  |
| 48                                    | 8.83%       | 1.96% | 1.58%    | 10.41% |  |
| 49                                    | 9.00%       | 1.96% | 1.58%    | 10.58% |  |
| 50                                    | 9.16%       | 1.97% | 1.58%    | 10.74% |  |
| 51                                    | 9.32%       | 1.98% | 1.58%    | 10.90% |  |
| 52                                    | 9.46%       | 1.97% | 1.58%    | 11.04% |  |
| 53                                    | 9.57%       | 1.96% | 1.58%    | 11.15% |  |
| 54                                    | 9.63%       | 1.95% | 1.58%    | 11.21% |  |
| 55                                    | 9.65%       | 1.90% | 1.58%    | 11.23% |  |
| 56                                    | 9.60%       | 1.84% | 1.58%    | 11.18% |  |
| 57                                    | 9.51%       | 1.79% | 1.58%    | 11.09% |  |
| 58                                    | 9.82%       | 1.74% | 1.58%    | 11.40% |  |
| 59+                                   | 10.15%      | 1.67% | 1.58%    | 11.73% |  |



|       | County Safety: Tier 1A (31664.2) |       |             |              |        |  |
|-------|----------------------------------|-------|-------------|--------------|--------|--|
| Entry |                                  |       | COL Limited | Additional   |        |  |
| Age   | Basic                            | COL   | to 3.10%    | Cost Sharing | Total  |  |
| 20    | 9.47%                            | 4.23% | 3.10%       | 3.64%        | 16.21% |  |
| 21    | 9.61%                            | 4.36% | 3.10%       | 3.64%        | 16.35% |  |
| 22    | 9.76%                            | 4.50% | 3.10%       | 3.64%        | 16.50% |  |
| 23    | 9.90%                            | 4.63% | 3.10%       | 3.64%        | 16.64% |  |
| 24    | 10.05%                           | 4.76% | 3.10%       | 3.64%        | 16.79% |  |
| 25    | 10.20%                           | 4.86% | 3.10%       | 3.64%        | 16.94% |  |
| 26    | 10.35%                           | 5.03% | 3.10%       | 3.64%        | 17.09% |  |
| 27    | 10.51%                           | 5.19% | 3.10%       | 3.64%        | 17.25% |  |
| 28    | 10.67%                           | 5.33% | 3.10%       | 3.64%        | 17.41% |  |
| 29    | 10.84%                           | 5.48% | 3.10%       | 3.64%        | 17.58% |  |
| 30    | 11.00%                           | 5.62% | 3.10%       | 3.64%        | 17.74% |  |
| 31    | 11.17%                           | 5.74% | 3.10%       | 3.64%        | 17.91% |  |
| 32    | 11.35%                           | 5.87% | 3.10%       | 3.64%        | 18.09% |  |
| 33    | 11.53%                           | 5.98% | 3.10%       | 3.64%        | 18.27% |  |
| 34    | 11.72%                           | 6.09% | 3.10%       | 3.64%        | 18.46% |  |
| 35    | 11.91%                           | 6.19% | 3.10%       | 3.64%        | 18.65% |  |
| 36    | 12.10%                           | 6.26% | 3.10%       | 3.64%        | 18.84% |  |
| 37    | 12.31%                           | 6.26% | 3.10%       | 3.64%        | 19.05% |  |
| 38    | 12.52%                           | 6.32% | 3.10%       | 3.64%        | 19.26% |  |
| 39    | 12.72%                           | 6.39% | 3.10%       | 3.64%        | 19.46% |  |
| 40    | 12.92%                           | 6.48% | 3.10%       | 3.64%        | 19.66% |  |
| 41    | 13.11%                           | 6.56% | 3.10%       | 3.64%        | 19.85% |  |
| 42    | 13.28%                           | 6.66% | 3.10%       | 3.64%        | 20.02% |  |
| 43    | 13.43%                           | 6.73% | 3.10%       | 3.64%        | 20.17% |  |
| 44    | 13.53%                           | 6.80% | 3.10%       | 3.64%        | 20.27% |  |
| 45    | 13.60%                           | 6.85% | 3.10%       | 3.64%        | 20.34% |  |
| 46    | 13.62%                           | 6.70% | 3.10%       | 3.64%        | 20.36% |  |
| 47    | 13.59%                           | 6.70% | 3.10%       | 3.64%        | 20.33% |  |
| 48    | 13.53%                           | 6.71% | 3.10%       | 3.64%        | 20.27% |  |
| 49+   | 13.46%                           | 6.73% | 3.10%       | 3.64%        | 20.20% |  |



#### **APPENDIX E – MEMBER CONTRIBUTION RATES**

|       |        | County Safe | ty: Tier 1B (31 | 664.1)              |        |
|-------|--------|-------------|-----------------|---------------------|--------|
| Entry |        |             | COL Limited     | Additional          |        |
| Age   | Basic  | COL         | to 3.10%        | <b>Cost Sharing</b> | Total  |
| 20    | 9.47%  | 5.20%       | 3.10%           | 3.64%               | 16.21% |
| 21    | 9.61%  | 5.19%       | 3.10%           | 3.64%               | 16.35% |
| 22    | 9.76%  | 5.32%       | 3.10%           | 3.64%               | 16.50% |
| 23    | 9.90%  | 5.46%       | 3.10%           | 3.64%               | 16.64% |
| 24    | 10.05% | 5.61%       | 3.10%           | 3.64%               | 16.79% |
| 25    | 10.20% | 5.74%       | 3.10%           | 3.64%               | 16.94% |
| 26    | 10.35% | 5.85%       | 3.10%           | 3.64%               | 17.09% |
| 27    | 10.51% | 5.96%       | 3.10%           | 3.64%               | 17.25% |
| 28    | 10.67% | 6.09%       | 3.10%           | 3.64%               | 17.41% |
| 29    | 10.84% | 6.22%       | 3.10%           | 3.64%               | 17.58% |
| 30    | 11.00% | 6.23%       | 3.10%           | 3.64%               | 17.74% |
| 31    | 11.17% | 6.27%       | 3.10%           | 3.64%               | 17.91% |
| 32    | 11.35% | 6.36%       | 3.10%           | 3.64%               | 18.09% |
| 33    | 11.53% | 6.46%       | 3.10%           | 3.64%               | 18.27% |
| 34    | 11.72% | 6.58%       | 3.10%           | 3.64%               | 18.46% |
| 35    | 11.91% | 6.71%       | 3.10%           | 3.64%               | 18.65% |
| 36    | 12.10% | 6.77%       | 3.10%           | 3.64%               | 18.84% |
| 37    | 12.31% | 6.81%       | 3.10%           | 3.64%               | 19.05% |
| 38    | 12.52% | 6.85%       | 3.10%           | 3.64%               | 19.26% |
| 39    | 12.72% | 6.90%       | 3.10%           | 3.64%               | 19.46% |
| 40    | 12.92% | 6.94%       | 3.10%           | 3.64%               | 19.66% |
| 41    | 13.11% | 6.99%       | 3.10%           | 3.64%               | 19.85% |
| 42    | 13.28% | 7.04%       | 3.10%           | 3.64%               | 20.02% |
| 43    | 13.43% | 7.11%       | 3.10%           | 3.64%               | 20.17% |
| 44    | 13.53% | 7.11%       | 3.10%           | 3.64%               | 20.27% |
| 45    | 13.60% | 7.12%       | 3.10%           | 3.64%               | 20.34% |
| 46    | 13.62% | 7.14%       | 3.10%           | 3.64%               | 20.36% |
| 47    | 13.59% | 7.17%       | 3.10%           | 3.64%               | 20.33% |
| 48    | 13.53% | 7.21%       | 3.10%           | 3.64%               | 20.27% |
| 49+   | 13.46% | 7.26%       | 3.10%           | 3.64%               | 20.20% |

Some members who are receiving enhanced benefits under 31664.1 are paying an additional 2.60%, 3.530% or 3.885%, depending on their bargaining agreement.



|       | C      | ounty Safety | : Tier 2A (31664 | 4.2)                |        |
|-------|--------|--------------|------------------|---------------------|--------|
| Entry |        |              | COL Limited      | Additional          |        |
| Age   | Basic  | COL          | to 3.10%         | <b>Cost Sharing</b> | Total  |
| 20    | 8.96%  | 2.61%        | 2.61%            | 3.64%               | 15.21% |
| 21    | 9.09%  | 2.68%        | 2.68%            | 3.64%               | 15.41% |
| 22    | 9.23%  | 2.77%        | 2.77%            | 3.64%               | 15.64% |
| 23    | 9.37%  | 2.85%        | 2.85%            | 3.64%               | 15.86% |
| 24    | 9.51%  | 2.93%        | 2.93%            | 3.64%               | 16.08% |
| 25    | 9.65%  | 3.00%        | 3.00%            | 3.64%               | 16.29% |
| 26    | 9.80%  | 3.10%        | 3.10%            | 3.64%               | 16.54% |
| 27    | 10.04% | 3.20%        | 3.10%            | 3.64%               | 16.78% |
| 28    | 10.25% | 3.29%        | 3.10%            | 3.64%               | 16.99% |
| 29    | 10.41% | 3.39%        | 3.10%            | 3.64%               | 17.15% |
| 30    | 10.56% | 3.47%        | 3.10%            | 3.64%               | 17.30% |
| 31    | 10.73% | 3.55%        | 3.10%            | 3.64%               | 17.47% |
| 32    | 10.90% | 3.64%        | 3.10%            | 3.64%               | 17.64% |
| 33    | 11.08% | 3.71%        | 3.10%            | 3.64%               | 17.82% |
| 34    | 11.26% | 3.77%        | 3.10%            | 3.64%               | 18.00% |
| 35    | 11.43% | 3.84%        | 3.10%            | 3.64%               | 18.17% |
| 36    | 11.62% | 3.88%        | 3.10%            | 3.64%               | 18.36% |
| 37    | 11.81% | 3.88%        | 3.10%            | 3.64%               | 18.55% |
| 38    | 11.99% | 3.92%        | 3.10%            | 3.64%               | 18.73% |
| 39    | 12.17% | 3.97%        | 3.10%            | 3.64%               | 18.91% |
| 40    | 12.32% | 4.02%        | 3.10%            | 3.64%               | 19.06% |
| 41    | 12.47% | 4.08%        | 3.10%            | 3.64%               | 19.21% |
| 42    | 12.59% | 4.14%        | 3.10%            | 3.64%               | 19.33% |
| 43    | 12.67% | 4.18%        | 3.10%            | 3.64%               | 19.41% |
| 44    | 12.71% | 4.23%        | 3.10%            | 3.64%               | 19.45% |
| 45    | 12.72% | 4.27%        | 3.10%            | 3.64%               | 19.46% |
| 46    | 12.68% | 4.18%        | 3.10%            | 3.64%               | 19.42% |
| 47    | 12.62% | 4.18%        | 3.10%            | 3.64%               | 19.36% |
| 48    | 13.03% | 4.19%        | 3.10%            | 3.64%               | 19.77% |
| 49+   | 13.46% | 4.20%        | 3.10%            | 3.64%               | 20.20% |



#### **APPENDIX E – MEMBER CONTRIBUTION RATES**

|       | County Safety: Tier 2B (31664.1) |       |             |                     |        |  |
|-------|----------------------------------|-------|-------------|---------------------|--------|--|
| Entry |                                  |       | COL Limited | Additional          |        |  |
| Age   | Basic                            | COL   | to 3.10%    | <b>Cost Sharing</b> | Total  |  |
| 20    | 9.05%                            | 3.20% | 3.10%       | 3.64%               | 15.79% |  |
| 21    | 9.18%                            | 3.20% | 3.10%       | 3.64%               | 15.92% |  |
| 22    | 9.38%                            | 3.27% | 3.10%       | 3.64%               | 16.12% |  |
| 23    | 9.52%                            | 3.36% | 3.10%       | 3.64%               | 16.26% |  |
| 24    | 9.65%                            | 3.45% | 3.10%       | 3.64%               | 16.39% |  |
| 25    | 9.80%                            | 3.53% | 3.10%       | 3.64%               | 16.54% |  |
| 26    | 9.95%                            | 3.61% | 3.10%       | 3.64%               | 16.69% |  |
| 27    | 10.09%                           | 3.68% | 3.10%       | 3.64%               | 16.83% |  |
| 28    | 10.25%                           | 3.75% | 3.10%       | 3.64%               | 16.99% |  |
| 29    | 10.41%                           | 3.84% | 3.10%       | 3.64%               | 17.15% |  |
| 30    | 10.56%                           | 3.85% | 3.10%       | 3.64%               | 17.30% |  |
| 31    | 10.73%                           | 3.88% | 3.10%       | 3.64%               | 17.47% |  |
| 32    | 10.90%                           | 3.94% | 3.10%       | 3.64%               | 17.64% |  |
| 33    | 11.08%                           | 3.99% | 3.10%       | 3.64%               | 17.82% |  |
| 34    | 11.26%                           | 4.08% | 3.10%       | 3.64%               | 18.00% |  |
| 35    | 11.43%                           | 4.15% | 3.10%       | 3.64%               | 18.17% |  |
| 36    | 11.62%                           | 4.19% | 3.10%       | 3.64%               | 18.36% |  |
| 37    | 11.81%                           | 4.22% | 3.10%       | 3.64%               | 18.55% |  |
| 38    | 11.99%                           | 4.24% | 3.10%       | 3.64%               | 18.73% |  |
| 39    | 12.17%                           | 4.28% | 3.10%       | 3.64%               | 18.91% |  |
| 40    | 12.32%                           | 4.30% | 3.10%       | 3.64%               | 19.06% |  |
| 41    | 12.47%                           | 4.34% | 3.10%       | 3.64%               | 19.21% |  |
| 42    | 12.59%                           | 4.37% | 3.10%       | 3.64%               | 19.33% |  |
| 43    | 12.67%                           | 4.41% | 3.10%       | 3.64%               | 19.41% |  |
| 44    | 12.71%                           | 4.41% | 3.10%       | 3.64%               | 19.45% |  |
| 45    | 12.72%                           | 4.42% | 3.10%       | 3.64%               | 19.46% |  |
| 46    | 12.68%                           | 4.44% | 3.10%       | 3.64%               | 19.42% |  |
| 47    | 12.62%                           | 4.46% | 3.10%       | 3.64%               | 19.36% |  |
| 48    | 13.03%                           | 4.50% | 3.10%       | 3.64%               | 19.77% |  |
| 49+   | 13.46%                           | 4.53% | 3.10%       | 3.64%               | 20.20% |  |

Some members who are receiving enhanced benefits under 31664.1 are paying an additional 2.60%, 3.530% or 3.885%, depending on their bargaining agreement.



| South Mari | n Fire: Miscel | laneous Tier | 1 (31676.19) |
|------------|----------------|--------------|--------------|
| Entry      |                |              |              |
| Age        | Basic          | COL          | Total        |
| 20         | 8.18%          | 2.34%        | 10.52%       |
| 21         | 8.20%          | 2.44%        | 10.64%       |
| 22         | 8.20%          | 2.54%        | 10.74%       |
| 23         | 8.21%          | 2.64%        | 10.85%       |
| 24         | 8.19%          | 2.73%        | 10.92%       |
| 25         | 8.17%          | 2.78%        | 10.95%       |
| 26         | 8.32%          | 2.86%        | 11.18%       |
| 27         | 8.47%          | 2.95%        | 11.42%       |
| 28         | 8.64%          | 3.03%        | 11.67%       |
| 29         | 8.80%          | 3.11%        | 11.91%       |
| 30         | 8.96%          | 3.20%        | 12.16%       |
| 31         | 9.13%          | 3.26%        | 12.39%       |
| 32         | 9.30%          | 3.32%        | 12.62%       |
| 33         | 9.46%          | 3.41%        | 12.87%       |
| 34         | 9.64%          | 3.49%        | 13.13%       |
| 35         | 9.83%          | 3.58%        | 13.41%       |
| 36         | 10.01%         | 3.62%        | 13.63%       |
| 37         | 10.20%         | 3.67%        | 13.87%       |
| 38         | 10.40%         | 3.72%        | 14.12%       |
| 39         | 10.60%         | 3.77%        | 14.37%       |
| 40         | 10.80%         | 3.83%        | 14.63%       |
| 41         | 11.02%         | 3.85%        | 14.87%       |
| 42         | 11.25%         | 3.90%        | 15.15%       |
| 43         | 11.49%         | 3.90%        | 15.39%       |
| 44         | 11.73%         | 3.87%        | 15.60%       |
| 45         | 11.97%         | 3.85%        | 15.82%       |
| 46         | 12.21%         | 3.83%        | 16.04%       |
| 47         | 12.44%         | 3.78%        | 16.22%       |
| 48         | 12.66%         | 3.75%        | 16.41%       |
| 49         | 12.85%         | 3.73%        | 16.58%       |
| 50         | 12.99%         | 3.72%        | 16.71%       |
| 51         | 13.03%         | 3.71%        | 16.74%       |
| 52         | 12.99%         | 3.65%        | 16.64%       |
| 53         | 12.87%         | 3.59%        | 16.46%       |
| 54+        | 12.74%         | 3.53%        | 16.27%       |



| South | Marin Fire Sat | fety: Tier 1 (3 | 31664.1) |
|-------|----------------|-----------------|----------|
| Entry |                |                 |          |
| Age   | Basic          | COL             | Total    |
| 20    | 9.15%          | 5.20%           | 14.35%   |
| 21    | 9.28%          | 5.19%           | 14.47%   |
| 22    | 9.44%          | 5.32%           | 14.76%   |
| 23    | 9.58%          | 5.46%           | 15.04%   |
| 24    | 9.72%          | 5.61%           | 15.33%   |
| 25    | 9.88%          | 5.74%           | 15.62%   |
| 26    | 10.03%         | 5.85%           | 15.88%   |
| 27    | 10.19%         | 5.96%           | 16.15%   |
| 28    | 10.34%         | 6.09%           | 16.43%   |
| 29    | 10.51%         | 6.22%           | 16.73%   |
| 30    | 10.68%         | 6.23%           | 16.91%   |
| 31    | 10.85%         | 6.27%           | 17.12%   |
| 32    | 11.03%         | 6.36%           | 17.39%   |
| 33    | 11.20%         | 6.46%           | 17.66%   |
| 34    | 11.39%         | 6.58%           | 17.97%   |
| 35    | 11.58%         | 6.71%           | 18.29%   |
| 36    | 11.78%         | 6.77%           | 18.55%   |
| 37    | 11.99%         | 6.81%           | 18.80%   |
| 38    | 12.20%         | 6.85%           | 19.05%   |
| 39    | 12.40%         | 6.90%           | 19.30%   |
| 40    | 12.60%         | 6.94%           | 19.54%   |
| 41    | 12.79%         | 6.99%           | 19.78%   |
| 42    | 12.96%         | 7.04%           | 20.00%   |
| 43    | 13.10%         | 7.11%           | 20.21%   |
| 44    | 13.20%         | 7.11%           | 20.31%   |
| 45    | 13.28%         | 7.12%           | 20.40%   |
| 46    | 13.30%         | 7.14%           | 20.44%   |
| 47    | 13.27%         | 7.17%           | 20.44%   |
| 48    | 13.21%         | 7.21%           | 20.42%   |
| 49+   | 13.14%         | 7.26%           | 20.40%   |



| South | Marin Fire Sat | fety: Tier 2 (3 | 31664.2) |
|-------|----------------|-----------------|----------|
| Entry |                |                 |          |
| Age   | Basic          | COL             | Total    |
| 20    | 9.15%          | 4.23%           | 13.38%   |
| 21    | 9.29%          | 4.36%           | 13.65%   |
| 22    | 9.43%          | 4.50%           | 13.93%   |
| 23    | 9.58%          | 4.63%           | 14.21%   |
| 24    | 9.72%          | 4.76%           | 14.48%   |
| 25    | 9.88%          | 4.86%           | 14.74%   |
| 26    | 10.03%         | 5.03%           | 15.06%   |
| 27    | 10.19%         | 5.19%           | 15.38%   |
| 28    | 10.35%         | 5.33%           | 15.68%   |
| 29    | 10.51%         | 5.48%           | 15.99%   |
| 30    | 10.68%         | 5.62%           | 16.30%   |
| 31    | 10.85%         | 5.74%           | 16.59%   |
| 32    | 11.03%         | 5.87%           | 16.90%   |
| 33    | 11.21%         | 5.98%           | 17.19%   |
| 34    | 11.39%         | 6.09%           | 17.48%   |
| 35    | 11.59%         | 6.19%           | 17.78%   |
| 36    | 11.78%         | 6.26%           | 18.04%   |
| 37    | 11.99%         | 6.26%           | 18.25%   |
| 38    | 12.20%         | 6.32%           | 18.52%   |
| 39    | 12.40%         | 6.39%           | 18.79%   |
| 40    | 12.60%         | 6.48%           | 19.08%   |
| 41    | 12.79%         | 6.56%           | 19.35%   |
| 42    | 12.95%         | 6.66%           | 19.61%   |
| 43    | 13.10%         | 6.73%           | 19.83%   |
| 44    | 13.21%         | 6.80%           | 20.01%   |
| 45    | 13.28%         | 6.85%           | 20.13%   |
| 46    | 13.30%         | 6.70%           | 20.00%   |
| 47    | 13.27%         | 6.70%           | 19.97%   |
| 48    | 13.20%         | 6.71%           | 19.91%   |
| 49+   | 13.13%         | 6.73%           | 19.86%   |



| South N | Marin Fire Saf | ety: Tier 2A ( | 31664.2) |
|---------|----------------|----------------|----------|
| Entry   |                |                |          |
| Age     | Basic          | COL            | Total    |
| 20      | 8.78%          | 3.87%          | 12.65%   |
| 21      | 8.91%          | 3.98%          | 12.89%   |
| 22      | 9.05%          | 4.10%          | 13.15%   |
| 23      | 9.20%          | 4.22%          | 13.42%   |
| 24      | 9.33%          | 4.34%          | 13.67%   |
| 25      | 9.48%          | 4.43%          | 13.91%   |
| 26      | 9.62%          | 4.58%          | 14.20%   |
| 27      | 9.77%          | 4.73%          | 14.50%   |
| 28      | 9.93%          | 4.86%          | 14.79%   |
| 29      | 10.08%         | 5.00%          | 15.08%   |
| 30      | 10.24%         | 5.13%          | 15.37%   |
| 31      | 10.41%         | 5.24%          | 15.65%   |
| 32      | 10.57%         | 5.36%          | 15.93%   |
| 33      | 10.75%         | 5.46%          | 16.21%   |
| 34      | 10.93%         | 5.57%          | 16.50%   |
| 35      | 11.11%         | 5.66%          | 16.77%   |
| 36      | 11.30%         | 5.71%          | 17.01%   |
| 37      | 11.49%         | 5.71%          | 17.20%   |
| 38      | 11.67%         | 5.76%          | 17.43%   |
| 39      | 11.84%         | 5.84%          | 17.68%   |
| 40      | 12.00%         | 5.90%          | 17.90%   |
| 41      | 12.15%         | 5.98%          | 18.13%   |
| 42      | 12.26%         | 6.07%          | 18.33%   |
| 43      | 12.35%         | 6.14%          | 18.49%   |
| 44      | 12.39%         | 6.19%          | 18.58%   |
| 45      | 12.40%         | 6.25%          | 18.65%   |
| 46      | 12.36%         | 6.11%          | 18.47%   |
| 47      | 12.29%         | 6.11%          | 18.40%   |
| 48      | 12.70%         | 6.12%          | 18.82%   |
| 49+     | 13.13%         | 6.14%          | 19.27%   |



| Marin City CSD Tier 1, LAFCO Tier 7, |        |                |        |  |
|--------------------------------------|--------|----------------|--------|--|
| Entry                                |        | SD Tier 1 (31) |        |  |
| Age                                  | Basic  | COL            | Total  |  |
| 20                                   | 6.82%  | 1.74%          | 8.56%  |  |
| 21                                   | 6.84%  | 1.80%          | 8.64%  |  |
| 22                                   | 6.83%  | 1.87%          | 8.70%  |  |
| 23                                   | 6.83%  | 1.94%          | 8.77%  |  |
| 24                                   | 6.83%  | 2.00%          | 8.83%  |  |
| 25                                   | 6.82%  | 2.06%          | 8.88%  |  |
| 26                                   | 6.94%  | 2.14%          | 9.08%  |  |
| 27                                   | 7.07%  | 2.21%          | 9.28%  |  |
| 28                                   | 7.21%  | 2.28%          | 9.49%  |  |
| 29                                   | 7.32%  | 2.36%          | 9.68%  |  |
| 30                                   | 7.46%  | 2.43%          | 9.89%  |  |
| 31                                   | 7.61%  | 2.50%          | 10.11% |  |
| 32                                   | 7.74%  | 2.57%          | 10.31% |  |
| 33                                   | 7.89%  | 2.64%          | 10.53% |  |
| 34                                   | 8.04%  | 2.71%          | 10.75% |  |
| 35                                   | 8.18%  | 2.79%          | 10.97% |  |
| 36                                   | 8.34%  | 2.85%          | 11.19% |  |
| 37                                   | 8.50%  | 2.92%          | 11.42% |  |
| 38                                   | 8.67%  | 3.00%          | 11.67% |  |
| 39                                   | 8.84%  | 3.06%          | 11.90% |  |
| 40                                   | 9.01%  | 3.12%          | 12.13% |  |
| 41                                   | 9.18%  | 3.18%          | 12.36% |  |
| 42                                   | 9.37%  | 3.25%          | 12.62% |  |
| 43                                   | 9.57%  | 3.28%          | 12.85% |  |
| 44                                   | 9.78%  | 3.30%          | 13.08% |  |
| 45                                   | 9.98%  | 3.34%          | 13.32% |  |
| 46                                   | 10.17% | 3.36%          | 13.53% |  |
| 47                                   | 10.37% | 3.36%          | 13.73% |  |
| 48                                   | 10.56% | 3.36%          | 13.92% |  |
| 49                                   | 10.72% | 3.37%          | 14.09% |  |
| 50                                   | 10.81% | 3.39%          | 14.20% |  |
| 51                                   | 10.85% | 3.40%          | 14.25% |  |
| 52                                   | 10.83% | 3.36%          | 14.19% |  |
| 53                                   | 10.73% | 3.34%          | 14.07% |  |
| 54                                   | 10.62% | 3.30%          | 13.92% |  |
| 55                                   | 10.51% | 3.22%          | 13.73% |  |
| 56                                   | 10.42% | 3.12%          | 13.54% |  |
| 57                                   | 10.30% | 3.03%          | 13.33% |  |
| 58                                   | 10.19% | 2.93%          | 13.12% |  |
| 59+                                  | 10.07% | 2.81%          | 12.88% |  |



| Mosquito District Tier 1 (31676.14) |        |       |        |  |
|-------------------------------------|--------|-------|--------|--|
| Entry                               |        |       |        |  |
| Age                                 | Basic  | COL   | Total  |  |
| 20                                  | 6.35%  | 1.97% | 8.32%  |  |
| 21                                  | 6.39%  | 2.04% | 8.43%  |  |
| 22                                  | 6.41%  | 2.12% | 8.53%  |  |
| 23                                  | 6.44%  | 2.20% | 8.64%  |  |
| 24                                  | 6.46%  | 2.27% | 8.73%  |  |
| 25                                  | 6.48%  | 2.35% | 8.83%  |  |
| 26                                  | 6.49%  | 2.43% | 8.92%  |  |
| 27                                  | 6.49%  | 2.50% | 8.99%  |  |
| 28                                  | 6.49%  | 2.59% | 9.08%  |  |
| 29                                  | 6.48%  | 2.66% | 9.14%  |  |
| 30                                  | 6.46%  | 2.75% | 9.21%  |  |
| 31                                  | 6.58%  | 2.81% | 9.39%  |  |
| 32                                  | 6.71%  | 2.86% | 9.57%  |  |
| 33                                  | 6.84%  | 2.93% | 9.77%  |  |
| 34                                  | 6.96%  | 3.01% | 9.97%  |  |
| 35                                  | 7.09%  | 3.09% | 10.18% |  |
| 36                                  | 7.23%  | 3.14% | 10.37% |  |
| 37                                  | 7.34%  | 3.22% | 10.56% |  |
| 38                                  | 7.49%  | 3.28% | 10.77% |  |
| 39                                  | 7.63%  | 3.34% | 10.97% |  |
| 40                                  | 7.77%  | 3.41% | 11.18% |  |
| 41                                  | 7.91%  | 3.45% | 11.36% |  |
| 42                                  | 8.07%  | 3.51% | 11.58% |  |
| 43                                  | 8.23%  | 3.52% | 11.75% |  |
| 44                                  | 8.39%  | 3.52% | 11.91% |  |
| 45                                  | 8.56%  | 3.54% | 12.10% |  |
| 46                                  | 8.72%  | 3.56% | 12.28% |  |
| 47                                  | 8.90%  | 3.55% | 12.45% |  |
| 48                                  | 9.09%  | 3.53% | 12.62% |  |
| 49                                  | 9.28%  | 3.53% | 12.81% |  |
| 50                                  | 9.47%  | 3.53% | 13.00% |  |
| 51                                  | 9.66%  | 3.53% | 13.19% |  |
| 52                                  | 9.84%  | 3.48% | 13.32% |  |
| 53                                  | 10.01% | 3.43% | 13.44% |  |
| 54                                  | 10.17% | 3.37% | 13.54% |  |
| 55                                  | 10.27% | 3.27% | 13.54% |  |
| 56                                  | 10.30% | 3.17% | 13.47% |  |
| 57                                  | 10.28% | 3.07% | 13.35% |  |
| 58                                  | 10.17% | 2.98% | 13.15% |  |
| 59+                                 | 10.07% | 2.83% | 12.90% |  |



| LAFCO Tier 3 (31676.16) |        |       |        |  |  |
|-------------------------|--------|-------|--------|--|--|
| Entry                   |        |       |        |  |  |
| Age                     | Basic  | COL   | Total  |  |  |
| 20                      | 6.12%  | 1.21% | 7.33%  |  |  |
| 21                      | 6.15%  | 1.25% | 7.40%  |  |  |
| 22                      | 6.18%  | 1.29% | 7.47%  |  |  |
| 23                      | 6.21%  | 1.34% | 7.55%  |  |  |
| 24                      | 6.23%  | 1.38% | 7.61%  |  |  |
| 25                      | 6.24%  | 1.41% | 7.65%  |  |  |
| 26                      | 6.24%  | 1.46% | 7.70%  |  |  |
| 27                      | 6.26%  | 1.51% | 7.77%  |  |  |
| 28                      | 6.26%  | 1.55% | 7.81%  |  |  |
| 29                      | 6.25%  | 1.59% | 7.84%  |  |  |
| 30                      | 6.23%  | 1.64% | 7.87%  |  |  |
| 31                      | 6.35%  | 1.68% | 8.03%  |  |  |
| 32                      | 6.47%  | 1.72% | 8.19%  |  |  |
| 33                      | 6.58%  | 1.76% | 8.34%  |  |  |
| 34                      | 6.71%  | 1.80% | 8.51%  |  |  |
| 35                      | 6.83%  | 1.86% | 8.69%  |  |  |
| 36                      | 6.96%  | 1.89% | 8.85%  |  |  |
| 37                      | 7.08%  | 1.92% | 9.00%  |  |  |
| 38                      | 7.22%  | 1.96% | 9.18%  |  |  |
| 39                      | 7.36%  | 1.99% | 9.35%  |  |  |
| 40                      | 7.50%  | 2.02% | 9.52%  |  |  |
| 41                      | 7.63%  | 2.05% | 9.68%  |  |  |
| 42                      | 7.77%  | 2.09% | 9.86%  |  |  |
| 43                      | 7.92%  | 2.10% | 10.02% |  |  |
| 44                      | 8.08%  | 2.10% | 10.18% |  |  |
| 45                      | 8.23%  | 2.10% | 10.33% |  |  |
| 46                      | 8.40%  | 2.11% | 10.51% |  |  |
| 47                      | 8.57%  | 2.10% | 10.67% |  |  |
| 48                      | 8.75%  | 2.09% | 10.84% |  |  |
| 49                      | 8.91%  | 2.08% | 10.99% |  |  |
| 50                      | 9.08%  | 2.08% | 11.16% |  |  |
| 51                      | 9.24%  | 2.08% | 11.32% |  |  |
| 52                      | 9.38%  | 2.05% | 11.43% |  |  |
| 53                      | 9.50%  | 2.02% | 11.52% |  |  |
| 54                      | 9.56%  | 1.99% | 11.55% |  |  |
| 55                      | 9.57%  | 1.94% | 11.51% |  |  |
| 56                      | 9.52%  | 1.88% | 11.40% |  |  |
| 57                      | 9.44%  | 1.81% | 11.25% |  |  |
| 58                      | 9.75%  | 1.76% | 11.51% |  |  |
| 59+                     | 10.07% | 1.68% | 11.75% |  |  |



| Novato Miscellaneous Tier 1 (31676.16) |        |       |        |  |
|--|--------|-------|--------|--|
| Entry                                  |        |       |        |  |
| Age                                    | Basic  | COL   | Total  |  |
| 20                                     | 6.35%  | 1.94% | 8.29%  |  |
| 21                                     | 6.39%  | 2.01% | 8.40%  |  |
| 22                                     | 6.41%  | 2.09% | 8.50%  |  |
| 23                                     | 6.43%  | 2.16% | 8.59%  |  |
| 24                                     | 6.46%  | 2.23% | 8.69%  |  |
| 25                                     | 6.48%  | 2.28% | 8.76%  |  |
| 26                                     | 6.49%  | 2.35% | 8.84%  |  |
| 27                                     | 6.49%  | 2.42% | 8.91%  |  |
| 28                                     | 6.49%  | 2.49% | 8.98%  |  |
| 29                                     | 6.48%  | 2.57% | 9.05%  |  |
| 30                                     | 6.47%  | 2.64% | 9.11%  |  |
| 31                                     | 6.59%  | 2.69% | 9.28%  |  |
| 32                                     | 6.70%  | 2.76% | 9.46%  |  |
| 33                                     | 6.83%  | 2.83% | 9.66%  |  |
| 34                                     | 6.96%  | 2.90% | 9.86%  |  |
| 35                                     | 7.08%  | 2.98% | 10.06% |  |
| 36                                     | 7.22%  | 3.02% | 10.24% |  |
| 37                                     | 7.35%  | 3.08% | 10.43% |  |
| 38                                     | 7.50%  | 3.13% | 10.63% |  |
| 39                                     | 7.63%  | 3.19% | 10.82% |  |
| 40                                     | 7.78%  | 3.25% | 11.03% |  |
| 41                                     | 7.91%  | 3.28% | 11.19% |  |
| 42                                     | 8.07%  | 3.34% | 11.41% |  |
| 43                                     | 8.23%  | 3.35% | 11.58% |  |
| 44                                     | 8.39%  | 3.34% | 11.73% |  |
| 45                                     | 8.56%  | 3.35% | 11.91% |  |
| 46                                     | 8.72%  | 3.35% | 12.07% |  |
| 47                                     | 8.90%  | 3.33% | 12.23% |  |
| 48                                     | 9.09%  | 3.32% | 12.41% |  |
| 49                                     | 9.28%  | 3.31% | 12.59% |  |
| 50                                     | 9.47%  | 3.31% | 12.78% |  |
| 51                                     | 9.65%  | 3.31% | 12.96% |  |
| 52                                     | 9.84%  | 3.26% | 13.10% |  |
| 53                                     | 10.01% | 3.22% | 13.23% |  |
| 54                                     | 10.16% | 3.17% | 13.33% |  |
| 55                                     | 10.27% | 3.07% | 13.34% |  |
| 56                                     | 10.30% | 2.97% | 13.27% |  |
| 57                                     | 10.28% | 2.87% | 13.15% |  |
| 58                                     | 10.17% | 2.78% | 12.95% |  |
| 59+                                    | 10.07% | 2.65% | 12.72% |  |



| Nova  | Novato Safety: Tier 1 (31664.1) |       |        |  |  |
|-------|---------------------------------|-------|--------|--|--|
| Entry |                                 |       |        |  |  |
| Age   | Basic                           | COL   | Total  |  |  |
| 20    | 9.15%                           | 5.24% | 14.39% |  |  |
| 21    | 9.29%                           | 5.23% | 14.52% |  |  |
| 22    | 9.43%                           | 5.37% | 14.80% |  |  |
| 23    | 9.58%                           | 5.50% | 15.08% |  |  |
| 24    | 9.73%                           | 5.65% | 15.38% |  |  |
| 25    | 9.87%                           | 5.80% | 15.67% |  |  |
| 26    | 10.03%                          | 5.90% | 15.93% |  |  |
| 27    | 10.18%                          | 6.02% | 16.20% |  |  |
| 28    | 10.35%                          | 6.15% | 16.50% |  |  |
| 29    | 10.51%                          | 6.28% | 16.79% |  |  |
| 30    | 10.68%                          | 6.29% | 16.97% |  |  |
| 31    | 10.85%                          | 6.33% | 17.18% |  |  |
| 32    | 11.03%                          | 6.42% | 17.45% |  |  |
| 33    | 11.20%                          | 6.52% | 17.72% |  |  |
| 34    | 11.40%                          | 6.64% | 18.04% |  |  |
| 35    | 11.58%                          | 6.78% | 18.36% |  |  |
| 36    | 11.78%                          | 6.83% | 18.61% |  |  |
| 37    | 11.99%                          | 6.89% | 18.88% |  |  |
| 38    | 12.20%                          | 6.93% | 19.13% |  |  |
| 39    | 12.40%                          | 6.97% | 19.37% |  |  |
| 40    | 12.60%                          | 7.00% | 19.60% |  |  |
| 41    | 12.79%                          | 7.05% | 19.84% |  |  |
| 42    | 12.95%                          | 7.12% | 20.07% |  |  |
| 43    | 13.10%                          | 7.17% | 20.27% |  |  |
| 44    | 13.21%                          | 7.17% | 20.38% |  |  |
| 45    | 13.28%                          | 7.18% | 20.46% |  |  |
| 46    | 13.30%                          | 7.21% | 20.51% |  |  |
| 47    | 13.27%                          | 7.24% | 20.51% |  |  |
| 48    | 13.21%                          | 7.28% | 20.49% |  |  |
| 49+   | 13.13%                          | 7.34% | 20.47% |  |  |



| Novato Safety: Tier 2 (31664.2) |        |       |        |
|---------------------------------|--------|-------|--------|
| Entry                           |        |       |        |
| Age                             | Basic  | COL   | Total  |
| 20                              | 9.15%  | 4.28% | 13.43% |
| 21                              | 9.29%  | 4.40% | 13.69% |
| 22                              | 9.43%  | 4.53% | 13.96% |
| 23                              | 9.58%  | 4.67% | 14.25% |
| 24                              | 9.73%  | 4.80% | 14.53% |
| 25                              | 9.87%  | 4.91% | 14.78% |
| 26                              | 10.03% | 5.07% | 15.10% |
| 27                              | 10.19% | 5.23% | 15.42% |
| 28                              | 10.34% | 5.38% | 15.72% |
| 29                              | 10.52% | 5.53% | 16.05% |
| 30                              | 10.68% | 5.67% | 16.35% |
| 31                              | 10.84% | 5.81% | 16.65% |
| 32                              | 11.03% | 5.93% | 16.96% |
| 33                              | 11.20% | 6.05% | 17.25% |
| 34                              | 11.40% | 6.15% | 17.55% |
| 35                              | 11.58% | 6.26% | 17.84% |
| 36                              | 11.78% | 6.32% | 18.10% |
| 37                              | 11.99% | 6.32% | 18.31% |
| 38                              | 12.20% | 6.38% | 18.58% |
| 39                              | 12.40% | 6.46% | 18.86% |
| 40                              | 12.60% | 6.54% | 19.14% |
| 41                              | 12.79% | 6.62% | 19.41% |
| 42                              | 12.95% | 6.72% | 19.67% |
| 43                              | 13.10% | 6.79% | 19.89% |
| 44                              | 13.20% | 6.87% | 20.07% |
| 45                              | 13.28% | 6.93% | 20.21% |
| 46                              | 13.30% | 6.77% | 20.07% |
| 47                              | 13.27% | 6.76% | 20.03% |
| 48                              | 13.21% | 6.77% | 19.98% |
| 49+                             | 13.13% | 6.79% | 19.92% |



| San Rafa | ael Miscellaneo | ous Tier 1 (31 | .676.19) |
|----------|-----------------|----------------|----------|
| Entry    |                 |                |          |
| Age      | Basic           | COL            | Total    |
| 20       | 8.19%           | 2.23%          | 10.42%   |
| 21       | 8.19%           | 2.33%          | 10.52%   |
| 22       | 8.21%           | 2.43%          | 10.64%   |
| 23       | 8.20%           | 2.53%          | 10.73%   |
| 24       | 8.20%           | 2.61%          | 10.81%   |
| 25       | 8.18%           | 2.66%          | 10.84%   |
| 26       | 8.32%           | 2.74%          | 11.06%   |
| 27       | 8.48%           | 2.82%          | 11.30%   |
| 28       | 8.64%           | 2.89%          | 11.53%   |
| 29       | 8.79%           | 2.98%          | 11.77%   |
| 30       | 8.96%           | 3.06%          | 12.02%   |
| 31       | 9.13%           | 3.12%          | 12.25%   |
| 32       | 9.29%           | 3.19%          | 12.48%   |
| 33       | 9.46%           | 3.27%          | 12.73%   |
| 34       | 9.65%           | 3.34%          | 12.99%   |
| 35       | 9.82%           | 3.43%          | 13.25%   |
| 36       | 10.01%          | 3.47%          | 13.48%   |
| 37       | 10.20%          | 3.52%          | 13.72%   |
| 38       | 10.40%          | 3.57%          | 13.97%   |
| 39       | 10.59%          | 3.62%          | 14.21%   |
| 40       | 10.80%          | 3.67%          | 14.47%   |
| 41       | 11.03%          | 3.69%          | 14.72%   |
| 42       | 11.25%          | 3.74%          | 14.99%   |
| 43       | 11.49%          | 3.73%          | 15.22%   |
| 44       | 11.73%          | 3.71%          | 15.44%   |
| 45       | 11.97%          | 3.69%          | 15.66%   |
| 46       | 12.21%          | 3.68%          | 15.89%   |
| 47       | 12.44%          | 3.64%          | 16.08%   |
| 48       | 12.67%          | 3.59%          | 16.26%   |
| 49       | 12.85%          | 3.58%          | 16.43%   |
| 50       | 12.99%          | 3.57%          | 16.56%   |
| 51       | 13.03%          | 3.56%          | 16.59%   |
| 52       | 13.00%          | 3.50%          | 16.50%   |
| 53       | 12.86%          | 3.45%          | 16.31%   |
| 54+      | 12.73%          | 3.40%          | 16.13%   |



| San Rafael Miscellaneous Tier 2 (31676.16) |        |       |        |
|--|--------|-------|--------|
| Entry                                      |        |       |        |
| Age  | Basic  | COL   | Total  |
| 20   | 6.12%  | 1.22% | 7.34%  |
| 21   | 6.15%  | 1.26% | 7.41%  |
| 22   | 6.18%  | 1.30% | 7.48%  |
| 23   | 6.21%  | 1.35% | 7.56%  |
| 24   | 6.23%  | 1.39% | 7.62%  |
| 25   | 6.24%  | 1.41% | 7.65%  |
| 26   | 6.24%  | 1.46% | 7.70%  |
| 27   | 6.26%  | 1.50% | 7.76%  |
| 28   | 6.26%  | 1.54% | 7.80%  |
| 29   | 6.25%  | 1.59% | 7.84%  |
| 30   | 6.23%  | 1.64% | 7.87%  |
| 31   | 6.35%  | 1.67% | 8.02%  |
| 32   | 6.46%  | 1.70% | 8.16%  |
| 33   | 6.58%  | 1.74% | 8.32%  |
| 34   | 6.71%  | 1.79% | 8.50%  |
| 35   | 6.84%  | 1.83% | 8.67%  |
| 36   | 6.95%  | 1.86% | 8.81%  |
| 37   | 7.08%  | 1.90% | 8.98%  |
| 38   | 7.22%  | 1.93% | 9.15%  |
| 39   | 7.36%  | 1.96% | 9.32%  |
| 40   | 7.50%  | 1.99% | 9.49%  |
| 41   | 7.63%  | 2.01% | 9.64%  |
| 42   | 7.78%  | 2.05% | 9.83%  |
| 43   | 7.92%  | 2.08% | 10.00% |
| 44   | 8.08%  | 2.09% | 10.17% |
| 45   | 8.23%  | 2.11% | 10.34% |
| 46   | 8.40%  | 2.12% | 10.52% |
| 47   | 8.57%  | 2.11% | 10.68% |
| 48   | 8.75%  | 2.10% | 10.85% |
| 49   | 8.92%  | 2.09% | 11.01% |
| 50   | 9.08%  | 2.09% | 11.17% |
| 51   | 9.24%  | 2.09% | 11.33% |
| 52   | 9.39%  | 2.06% | 11.45% |
| 53   | 9.50%  | 2.03% | 11.53% |
| 54   | 9.56%  | 2.00% | 11.56% |
| 55   | 9.57%  | 1.94% | 11.51% |
| 56   | 9.52%  | 1.89% | 11.41% |
| 57   | 9.44%  | 1.82% | 11.26% |
| 58   | 9.75%  | 1.77% | 11.52% |
| 59+  | 10.07% | 1.69% | 11.76% |



| San Rafael Safety Tier 1 (31664.2) |        |       |        |
|------------------------------------|--------|-------|--------|
| Entry                              |        |       |        |
| Age                                | Basic  | COL   | Total  |
| 20                                 | 9.15%  | 4.06% | 13.21% |
| 21                                 | 9.29%  | 4.17% | 13.46% |
| 22                                 | 9.43%  | 4.30% | 13.73% |
| 23                                 | 9.58%  | 4.42% | 14.00% |
| 24                                 | 9.73%  | 4.55% | 14.28% |
| 25                                 | 9.88%  | 4.65% | 14.53% |
| 26                                 | 10.03% | 4.81% | 14.84% |
| 27                                 | 10.19% | 4.96% | 15.15% |
| 28                                 | 10.35% | 5.10% | 15.45% |
| 29                                 | 10.51% | 5.24% | 15.75% |
| 30                                 | 10.68% | 5.38% | 16.06% |
| 31                                 | 10.85% | 5.50% | 16.35% |
| 32                                 | 11.02% | 5.62% | 16.64% |
| 33                                 | 11.21% | 5.73% | 16.94% |
| 34                                 | 11.39% | 5.84% | 17.23% |
| 35                                 | 11.58% | 5.93% | 17.51% |
| 36                                 | 11.79% | 5.98% | 17.77% |
| 37                                 | 11.99% | 6.00% | 17.99% |
| 38                                 | 12.20% | 6.06% | 18.26% |
| 39                                 | 12.40% | 6.12% | 18.52% |
| 40                                 | 12.60% | 6.20% | 18.80% |
| 41                                 | 12.79% | 6.29% | 19.08% |
| 42                                 | 12.96% | 6.37% | 19.33% |
| 43                                 | 13.10% | 6.45% | 19.55% |
| 44                                 | 13.20% | 6.51% | 19.71% |
| 45                                 | 13.28% | 6.57% | 19.85% |
| 46                                 | 13.31% | 6.42% | 19.73% |
| 47                                 | 13.27% | 6.41% | 19.68% |
| 48                                 | 13.21% | 6.42% | 19.63% |
| 49+                                | 13.13% | 6.46% | 19.59% |



| San Ra | fael Safety | Tier 2 (3 | 31664.2) |
|--------|-------------|-----------|----------|
| Entry  |             |           |          |
| Age    | Basic       | COL       | Total    |
| 20     | 8.78%       | 2.62%     | 11.40%   |
| 21     | 8.91%       | 2.70%     | 11.61%   |
| 22     | 9.05%       | 2.78%     | 11.83%   |
| 23     | 9.19%       | 2.87%     | 12.06%   |
| 24     | 9.32%       | 2.95%     | 12.27%   |
| 25     | 9.47%       | 3.02%     | 12.49%   |
| 26     | 9.62%       | 3.11%     | 12.73%   |
| 27     | 9.77%       | 3.22%     | 12.99%   |
| 28     | 9.93%       | 3.31%     | 13.24%   |
| 29     | 10.08%      | 3.41%     | 13.49%   |
| 30     | 10.24%      | 3.49%     | 13.73%   |
| 31     | 10.41%      | 3.57%     | 13.98%   |
| 32     | 10.57%      | 3.65%     | 14.22%   |
| 33     | 10.75%      | 3.72%     | 14.47%   |
| 34     | 10.94%      | 3.79%     | 14.73%   |
| 35     | 11.11%      | 3.86%     | 14.97%   |
| 36     | 11.30%      | 3.90%     | 15.20%   |
| 37     | 11.49%      | 3.90%     | 15.39%   |
| 38     | 11.67%      | 3.94%     | 15.61%   |
| 39     | 11.85%      | 3.99%     | 15.84%   |
| 40     | 12.00%      | 4.04%     | 16.04%   |
| 41     | 12.15%      | 4.10%     | 16.25%   |
| 42     | 12.26%      | 4.16%     | 16.42%   |
| 43     | 12.35%      | 4.20%     | 16.55%   |
| 44     | 12.38%      | 4.26%     | 16.64%   |
| 45     | 12.40%      | 4.29%     | 16.69%   |
| 46     | 12.36%      | 4.20%     | 16.56%   |
| 47     | 12.30%      | 4.20%     | 16.50%   |
| 48     | 12.71%      | 4.21%     | 16.92%   |
| 49+    | 13.14%      | 4.22%     | 17.36%   |



| PEPRA Rates          |        |       |        |                |
|----------------------|--------|-------|--------|----------------|
| All Ages             | Basic  | COLA  | Total  | Prior<br>Total |
| PEPRA Misc 2% COLA   | 7.66%  | 1.56% | 9.22%  | 9.30%          |
| PEPRA Misc 4% COLA   | 8.41%  | 2.58% | 10.99% | 10.92%         |
| PEPRA Safety 2% COLA | 11.52% | 2.91% | 14.43% | 13.98%         |
| PEPRA Safety 3% COLA | 12.75% | 4.63% | 17.38% | 17.18%         |
| PEPRA Safety 4% COLA | 12.30% | 4.65% | 16.95% | 16.30%         |





Classic Values, Innovative Advice