



**CONTRA COSTA COUNTY
EMPLOYEES' RETIREMENT ASSOCIATION**

**CONTRIBUTION RATE PACKET FOR
JULY 1, 2019 through JUNE 30, 2020**

CONTRA COSTA COUNTY EMPLOYEES' RETIREMENT ASSOCIATION

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MEMORANDUM

Date: September 13, 2018

To: Interested Parties and Participating Employers

From: Gail Strohl, Chief Executive Officer

Subject: Contribution Rates Effective July 1, 2019

At its August 22, 2018 meeting, the Retirement Board reviewed the actuary's valuation report for the year ending December 31, 2017. That report recommends employer and employee contribution rates, which will become effective on July 1, 2019. A copy of the December 31, 2017 Actuarial Valuation can be found on CCCERA's website at www.cccera.org under the Actuarial Valuations link.

Enclosed are the employer and employee contribution rates to be used effective July 1, 2019 through June 30, 2020.

Please note the following:

- ✓ **The rates are effective July 1, 2019 through June 30, 2020 and have not yet been adopted by the County Board of Supervisors.**
- ✓ **The rates are BEFORE ANY EMPLOYER SUBVENTION of the employee contribution.** The rates quoted here are the employer required rates without taking into consideration any employer subvention of employee contributions. A convenient methodology for adding subvention is included for your use on page 20. Note that subvention is not always permitted for PEPRAs members.
- ✓ **The rates are BEFORE ANY INCREASE IN EMPLOYEE RATE to pay a portion of the employer contribution.** If an employee's rate needs to be increased to pay a portion of the employer contribution, both employee and employer rates would need to be adjusted accordingly. A convenient methodology for adding subvention is included for your use on page 20.

THE BOARD OF SUPERVISORS OF CONTRA COSTA COUNTY, CALIFORNIA

Adopted this Order on _____, by the following vote:

- AYES:
- NOES:
- ABSENT:
- ABSTAIN:

SUBJECT: Approving Contribution Rates to be charged Resolution No. _____
 by the Contra Costa County
 Employees’ Retirement Association.

Pursuant to Government Code Section 31454 and on recommendation of the Board of the Contra Costa County Employees’ Retirement Association, BE IT RESOLVED that the following contribution rates are approved to be effective for the period July 1, 2019 through June 30, 2020.

I. Employer Contribution Rates for Basic and Cost-of-Living Components and Non-refundability Discount Factors

- A. For General Members (Sec. 31676.11, Sec. 31676.16 and Sec. 7522.20(a))
 See attached Exhibit A
- B. For Safety Members (Sec. 31664, Sec. 31664.1 and Sec. 7522.25(d))
 See attached Exhibit B

II. Employee Contribution Rates for Basic and Cost-of-Living Components

See attached Exhibits C through O

The Pension Obligation Bonds (POB) issued by the County in March 1994 and April 2003, affected contribution rates for certain County employers. The following non-County employers who participate in the Retirement Association are referred to as “Districts”.

- | | |
|---|--|
| Bethel Island Municipal Improvement District | Contra Costa County Fire Protection District |
| Byron, Brentwood Knightsen Union Cemetery District | East Contra Costa Fire Protection District |
| Central Contra Costa Sanitary District | Moraga-Orinda Fire Protection District |
| Contra Costa County Employees’ Retirement Association | Rodeo-Hercules Fire Protection District |
| Contra Costa Housing Authority | San Ramon Valley Fire Protection District |
| Contra Costa Mosquito and Vector Control District | |
| Local Agency Formation Commission (LAFCO) | |
| Rodeo Sanitary District | |
| In-Home Supportive Services Authority | |
| First 5 - Children & Families Commission | |

All other departments/employers are referred to as “County” including the Superior Court of California, Contra Costa County.

Contra Costa County Fire Protection District and Moraga-Orinda Fire Protection District issued Pension Obligation Bonds in 2005 which affected contribution rates for these two employers. Subsequently, Contra Costa County Fire Protection District has made additional payments to CCCERA for its UAAL in 2006 and 2007.

First 5 - Children & Families Commission made a UAAL prepayment in 2013 which affected contribution rates for that employer.

Central Contra Costa Sanitary District made a UAAL prepayment in 2013, 2014 and 2015 which affected contribution rates for that employer.

Local Agency Formation Commission made a UAAL prepayment in 2017 which affected contribution rates for that employer.

San Ramon Valley Fire Protection District made a UAAL prepayment in 2017 which affected contribution rates for that employer.

Exhibit A - 1

**CONTRA COSTA COUNTY EMPLOYEES' RETIREMENT ASSOCIATION
EMPLOYER CONTRIBUTION RATES EFFECTIVE FOR JULY 1, 2019 THROUGH JUNE 30, 2020 for General Tier 1 and 3 Legacy Members**

GENERAL TIERS - ENHANCED	Cost Group #1					Cost Group #3	Cost Group #4	Cost Group #5
	County	Moraga-Orinda Fire District	First 5	LAFCO	Districts without POB	Central Contra Costa Sanitary District	Contra Costa Housing Authority	Contra Costa County Fire Protection District
Tier 1 BASIC Enhanced								
First \$350 monthly & in Social Security	15.57%	N/A	15.48%	18.48%	18.94%	N/A	20.14%	N/A
Excess of \$350 monthly & in Social Security	23.35%	N/A	23.21%	27.72%	28.40%	N/A	30.20%	N/A
All Eligible \$ if NOT in Social Security	23.35%	20.82%	N/A	N/A	28.40%	36.29%	N/A	22.39%
Tier 1 COL Enhanced								
First \$350 monthly	3.51%	N/A	3.59%	6.07%	6.24%	N/A	9.14%	N/A
Excess of \$350 monthly	5.27%	N/A	5.39%	9.10%	9.36%	N/A	13.72%	N/A
All Eligible \$ if NOT in Social Security	5.27%	5.03%	N/A	N/A	9.36%	14.31%	N/A	10.36%
Non-Refundability Factor	0.9602	0.9602	0.9602	0.9602	0.9602	0.9588	0.9571	0.9591

GENERAL TIER NON-ENHANCED	Cost Group #2		Cost Group	Employer Name	Tier
	County	Districts without POB			
Tier 3 BASIC Enhanced			Cost Group #1	County General	Tier 1 Enhanced (2% @ 55)
First \$350 monthly	15.59%	19.03%		LAFCO	
Excess of \$350 monthly	23.39%	28.55%		CC Mosquito & Vector Control District	
All Eligible \$ if NOT in Social Security	N/A	28.55%		Bethel Island Municipal Improvement District	
Tier 3 COL Enhanced				First 5 - Children and Families Commission	
First \$350 monthly	3.44%	6.20%		Contra Costa County Employees' Retirement Association	
Excess of \$350 monthly	5.16%	9.29%		Superior Court	
All Eligible \$ if NOT in Social Security	N/A	9.29%		East Contra Costa Fire Protection District	
Non-Refundability Factor	0.9576	0.9576	Cost Group #2	County General	Tier 3 Enhanced (2% @ 55)
				In-Home Supportive Services	
				CC Mosquito & Vector Control District	
				Superior Court	
Tier 1 BASIC NON-Enhanced			Cost Group #3	Central Contra Costa Sanitary District	Tier 1 Enhanced (2% @ 55)
First \$350 monthly	9.13%				
Excess of \$350 monthly	13.69%		Cost Group #4	Contra Costa Housing Authority	Tier 1 Enhanced (2% @ 55)
All Eligible \$ if NOT in Social Security	N/A		Cost Group #5	Contra Costa County Fire Protection District	Tier 1 Enhanced (2% @ 55)
Tier 1 COL NON-Enhanced			Cost Group #6	Rodeo Sanitary District	Tier 1 Non-enhanced (1.67% @ 55)
First \$350 monthly	2.68%			Byron Brentwood Cemetery District	
Excess of \$350 monthly	4.02%				
All Eligible \$ if NOT in Social Security	N/A				
Non-Refundability Factor	0.9556				

Basic rates shown include an administrative expense load of 0.66% of payroll. This load has been integrated and adjusted as appropriate into the first \$350 and excess of \$350 monthly rates shown.

Exhibit A - 2

**CONTRA COSTA COUNTY EMPLOYEES' RETIREMENT ASSOCIATION
 EMPLOYER CONTRIBUTION RATES EFFECTIVE FOR JULY 1, 2019 THROUGH JUNE 30, 2020 for General Tier 4 and 5 PEPRA Members with 2% Maximum COLA**

GENERAL PEPRA TIERS

Tier 4 BASIC

All Eligible \$

Tier 4 COL

All Eligible \$

Non-Refundability Factor

	Cost Group #1					Cost Group #3	Cost Group #4	Cost Group #5
	County	Moraga-Orinda Fire District	First 5	LAFCO	Districts without POB	Central Contra Costa Sanitary District	Contra Costa Housing Authority	Contra Costa County Fire Protection District
All Eligible \$	19.51%	N/A	N/A	N/A	N/A	N/A	N/A	19.58%
All Eligible \$	3.67%	N/A	N/A	N/A	N/A	N/A	N/A	9.03%
Non-Refundability Factor	0.9605	N/A	N/A	N/A	N/A	N/A	N/A	0.9630

Tier 5 BASIC

All Eligible \$

Tier 5 COL

All Eligible \$

Non-Refundability Factor

Cost Group #2	
County	Districts without POB
18.91%	23.99%
3.52%	7.59%
0.9611	0.9611

Cost Group	Employer Name	Tier
Cost Group #1	County General LAFCO CC Mosquito & Vector Control District Bethel Island Municipal Improvement District First 5 - Children and Families Commission Contra Costa County Employees' Retirement Association Superior Court East Contra Costa Fire Protection District Moraga-Orinda Fire Protection District Rodeo-Hercules Fire Protection District San Ramon Valley Fire Protection District	Tier 4 (2.5% @ 67)
Cost Group #2	County General In-Home Supportive Services CC Mosquito & Vector Control District Superior Court	Tier 5 (2.5% @ 67)
Cost Group #3	Central Contra Costa Sanitary District	Tier 4 (2.5% @ 67)
Cost Group #4	Contra Costa Housing Authority	Tier 4 (2.5% @ 67)
Cost Group #5	Contra Costa County Fire Protection District	Tier 4 (2.5% @ 67)
Cost Group #6	Rodeo Sanitary District Byron Brentwood Cemetery District	Tier 4 (2.5% @ 67)

Some tiers are not applicable to employers as shown above in the rate table.

Basic rates shown include an administrative expense load of 0.66% of payroll.

Exhibit A - 3

CONTRA COSTA COUNTY EMPLOYEES' RETIREMENT ASSOCIATION

EMPLOYER CONTRIBUTION RATES EFFECTIVE FOR JULY 1, 2019 THROUGH JUNE 30, 2020 for General Tier 4 and 5 PEPRA Members with 3% Maximum COLA

GENERAL PEPRA TIERS	Cost Group #1					Cost Group #3	Cost Group #4	Cost Group #5	Cost Group #6
	Moraga-Orinda		First 5	LAFCO	Districts without POB	Central Contra Costa	Contra Costa	Contra Costa County	Districts
<u>Tier 4 BASIC</u>	County	Fire District				Sanitary District	Housing Authority	Fire Protection District	without POB
All Eligible \$	19.66%	17.42%	19.51%	23.99%	24.74%	31.02%	25.85%	21.56%	10.20%
<u>Tier 4 COL</u>									
All Eligible \$	4.66%	4.49%	4.77%	8.45%	8.73%	13.23%	12.95%	10.74%	3.47%
Non-Refundability Factor	0.9613	0.9613	0.9613	0.9613	0.9613	0.9670	0.9654	0.9606	0.9643

GENERAL PEPRA TIERS	Cost Group #2		Cost Group	Employer Name	Tier
	County	Districts without POB	Cost Group #1	County General LAFCO CC Mosquito & Vector Control District Bethel Island Municipal Improvement District First 5 - Children and Families Commission Contra Costa County Employees' Retirement Association Superior Court East Contra Costa Fire Protection District Moraga-Orinda Fire Protection District Rodeo-Hercules Fire Protection District San Ramon Valley Fire Protection District	Tier 4 (2.5% @ 67)
<u>Tier 5 BASIC</u>	19.13%	24.21%	Cost Group #2	County General In-Home Supportive Services CC Mosquito & Vector Control District Superior Court	Tier 5 (2.5% @ 67)
All Eligible \$			Cost Group #3	Central Contra Costa Sanitary District	Tier 4 (2.5% @ 67)
<u>Tier 5 COL</u>			Cost Group #4	Contra Costa Housing Authority	Tier 4 (2.5% @ 67)
All Eligible \$	4.44%	8.51%	Cost Group #5	Contra Costa County Fire Protection District	Tier 4 (2.5% @ 67)
Non-Refundability Factor	0.9631	0.9631	Cost Group #6	Rodeo Sanitary District Byron Brentwood Cemetery District	Tier 4 (2.5% @ 67)

Basic rates shown include an administrative expense load of 0.66% of payroll.

Exhibit B - 1

**CONTRA COSTA COUNTY EMPLOYEES' RETIREMENT ASSOCIATION
 EMPLOYER CONTRIBUTION RATES EFFECTIVE FOR JULY 1, 2019 THROUGH JUNE 30, 2020 for Safety Tier A and C Legacy Members**

SAFETY TIERS ENHANCED

Safety A BASIC Enhanced

All eligible \$

Safety A COL Enhanced

All eligible \$

Non-Refundability Factor

Cost Group #7	Cost Group #8		Cost Group #10	Cost Group #11
	Contra Costa County Fire Protection District	East Contra Costa Fire Protection District	Moraga-Orinda Fire Protection District	San Ramon Valley Fire Protection District
County 45.59%	37.23%	65.44%	35.21%	51.05%
26.89%	35.66%	57.17%	35.73%	25.79%
0.9657	0.9666	0.9666	0.9688	0.9665

Safety C BASIC Enhanced

All eligible \$

Safety C COL Enhanced

All eligible \$

Non-Refundability Factor

Cost Group #9
County
43.65%
24.05%
0.9670

Cost Group	Employer Name	Tier
Cost Group # 7	County Safety	Tier A Enhanced (3% @ 50)
Cost Group # 8	Contra Costa County Fire Protection District East Contra Costa Fire Protection District	Tier A Enhanced (3% @ 50)
Cost Group # 9	County Safety	Tier C Enhanced (3% @ 50)
Cost Group # 10	Moraga-Orinda Fire Protection District	Tier A Enhanced (3% @ 50)
Cost Group # 11	San Ramon Valley Fire Protection District	Tier A Enhanced (3% @ 50)
Cost Group # 12	Rodeo Hercules Fire Protection District	Tier A Non-enhanced (2% @ 50)

Basic rates shown include an administrative expense load of 0.66% of payroll.

SAFETY TIER NON-ENHANCED

Safety A BASIC NON-Enhanced

All eligible \$

Monthly Contribution Towards UAAL

Safety A COL NON-Enhanced

All eligible \$

Monthly Contribution Towards UAAL

Non-Refundability Factor

Cost Group #12
Rodeo-Hercules Fire Protection District
14.89%
\$68,942
5.21%
\$48,581
0.9718

Exhibit B - 2

CONTRA COSTA COUNTY EMPLOYEES' RETIREMENT ASSOCIATION

EMPLOYER CONTRIBUTION RATES EFFECTIVE FOR JULY 1, 2019 THROUGH JUNE 30, 2020 for Safety Tier D and E PEPRA Members

SAFETY PEPRA TIERS

Safety D BASIC (3% Maximum COLA)

All eligible \$
Monthly Contribution Towards UAAL

Safety D COL (3% Maximum COLA)

All eligible \$
Monthly Contribution Towards UAAL

Non-Refundability Factor

	Cost Group #7	Cost Group #8		Cost Group #10	Cost Group #11	Cost Group #12
	County	Contra Costa County Fire Protection District	East Contra Costa Fire Protection District	Moraga-Orinda Fire Protection District	San Ramon Valley Fire Protection District	Rodeo-Hercules Fire Protection District
All eligible \$	37.45%	28.91%	57.12%	27.16%	41.49%	11.92%
Monthly Contribution Towards UAAL	N/A	N/A	N/A	N/A	N/A	\$12,744
All eligible \$	25.67%	34.36%	55.87%	34.32%	24.11%	5.07%
Monthly Contribution Towards UAAL	N/A	N/A	N/A	N/A	N/A	\$8,980
<i>Non-Refundability Factor</i>	0.9758	0.9770	0.9770	0.9787	0.9794	0.9803

Safety E BASIC (2% Maximum COLA)

All eligible \$

Safety E COL (2% Maximum COLA)

All eligible \$

Non-Refundability Factor

Cost Group #8 Contra Costa County Fire Protection District	Cost Group #9 County
28.53%	36.09%
32.26%	23.30%
0.9748	0.9752

<u>Cost Group</u>	<u>Employer Name</u>	<u>Tier</u>
Cost Group # 7	County Safety	Tier D (2.7% @ 57)
Cost Group # 8	Contra Costa County Fire Protection District	Tier D (2.7% @ 57)
	East Contra Costa Fire Protection District Contra Costa County Fire Protection District	Tier E (2.7% @ 57)
Cost Group # 9	County Safety	Tier E (2.7% @ 57)
Cost Group # 10	Moraga-Orinda Fire Protection District	Tier D (2.7% @ 57)
Cost Group # 11	San Ramon Valley Fire Protection District	Tier D (2.7% @ 57)
Cost Group # 12	Rodeo Hercules Fire Protection District	Tier D (2.7% @ 57)

Basic rates shown include an administrative expense load of 0.66% of payroll.

Exhibit C

GENERAL Cost Group #1 Non-PEPRA Member Contribution Rates

Membership Date before January 1, 2013

Effective 7/1/19 - 6/30/20

Expressed as a Percentage of Monthly Payroll*

Entry Age	<u>Basic not in Social</u>	<u>Basic in Social</u>	COLA	<u>Total not in Social</u>	<u>Total in Social</u>
	Security	Security*		Security	Security*
15	5.41%	5.42%	2.69%	8.10%	8.11%
16	5.50%	5.51%	2.74%	8.24%	8.25%
17	5.59%	5.60%	2.79%	8.38%	8.39%
18	5.68%	5.69%	2.84%	8.52%	8.53%
19	5.77%	5.78%	2.89%	8.66%	8.67%
20	5.86%	5.87%	2.94%	8.80%	8.81%
21	5.96%	5.97%	2.99%	8.95%	8.96%
22	6.05%	6.06%	3.04%	9.09%	9.10%
23	6.15%	6.16%	3.10%	9.25%	9.26%
24	6.25%	6.26%	3.15%	9.40%	9.41%
25	6.35%	6.36%	3.21%	9.56%	9.57%
26	6.45%	6.46%	3.26%	9.71%	9.72%
27	6.56%	6.57%	3.32%	9.88%	9.89%
28	6.66%	6.67%	3.37%	10.03%	10.04%
29	6.77%	6.78%	3.43%	10.20%	10.21%
30	6.88%	6.89%	3.49%	10.37%	10.38%
31	6.99%	7.00%	3.55%	10.54%	10.55%
32	7.10%	7.11%	3.61%	10.71%	10.72%
33	7.21%	7.22%	3.67%	10.88%	10.89%
34	7.33%	7.34%	3.74%	11.07%	11.08%
35	7.45%	7.46%	3.80%	11.25%	11.26%
36	7.57%	7.58%	3.87%	11.44%	11.45%
37	7.69%	7.70%	3.94%	11.63%	11.64%
38	7.82%	7.83%	4.01%	11.83%	11.84%
39	7.95%	7.96%	4.08%	12.03%	12.04%
40	8.08%	8.09%	4.15%	12.23%	12.24%
41	8.22%	8.23%	4.22%	12.44%	12.45%
42	8.36%	8.37%	4.30%	12.66%	12.67%
43	8.50%	8.51%	4.38%	12.88%	12.89%
44	8.65%	8.66%	4.46%	13.11%	13.12%
45	8.81%	8.82%	4.55%	13.36%	13.37%
46	8.95%	8.96%	4.62%	13.57%	13.58%
47	9.10%	9.11%	4.70%	13.80%	13.81%
48	9.25%	9.26%	4.79%	14.04%	14.05%
49	9.41%	9.42%	4.87%	14.28%	14.29%
50	9.57%	9.58%	4.96%	14.53%	14.54%
51	9.73%	9.74%	5.05%	14.78%	14.79%
52	9.90%	9.91%	5.14%	15.04%	15.05%
53	10.06%	10.07%	5.23%	15.29%	15.30%
54	10.18%	10.19%	5.29%	15.47%	15.48%
55	10.32%	10.33%	5.37%	15.69%	15.70%
56	10.40%	10.41%	5.41%	15.81%	15.82%
57	10.39%	10.40%	5.41%	15.80%	15.81%
58	10.29%	10.30%	5.35%	15.64%	15.65%
59	10.02%	10.03%	5.21%	15.23%	15.24%
60 and over	10.02%	10.03%	5.21%	15.23%	15.24%

Administrative Expense: 0.47% of payroll added to Basic rates.

COLA Loading: 54.51% applied to Basic rates prior to adjustment for administrative expenses.

***NOTE:** For members in Social Security, the rate should only be applied to monthly compensation in excess of \$116.67.
The rate should be applied to compensation up to the annual IRC 401(a)(17) compensation limit.

Exhibit D

GENERAL Cost Group #2 Non-PEPRA Member Contribution Rates

Membership Date before January 1, 2013

Effective 7/1/19 - 6/30/20

Expressed as a Percentage of Monthly Payroll*

<u>Entry Age</u>	<u>Basic not in Social</u>	<u>Basic in Social</u>	<u>COLA</u>	<u>Total not in Social</u>	<u>Total in Social</u>
	<u>Security</u>	<u>Security*</u>		<u>Security</u>	<u>Security*</u>
15	5.40%	5.41%	2.47%	7.87%	7.88%
16	5.49%	5.50%	2.51%	8.00%	8.01%
17	5.58%	5.59%	2.56%	8.14%	8.15%
18	5.67%	5.68%	2.60%	8.27%	8.28%
19	5.76%	5.77%	2.65%	8.41%	8.42%
20	5.85%	5.86%	2.69%	8.54%	8.55%
21	5.94%	5.95%	2.74%	8.68%	8.69%
22	6.04%	6.05%	2.79%	8.83%	8.84%
23	6.14%	6.15%	2.84%	8.98%	8.99%
24	6.24%	6.25%	2.89%	9.13%	9.14%
25	6.34%	6.35%	2.94%	9.28%	9.29%
26	6.44%	6.45%	2.99%	9.43%	9.44%
27	6.54%	6.55%	3.04%	9.58%	9.59%
28	6.64%	6.65%	3.09%	9.73%	9.74%
29	6.75%	6.76%	3.14%	9.89%	9.90%
30	6.86%	6.87%	3.20%	10.06%	10.07%
31	6.97%	6.98%	3.25%	10.22%	10.23%
32	7.08%	7.09%	3.31%	10.39%	10.40%
33	7.20%	7.21%	3.37%	10.57%	10.58%
34	7.31%	7.32%	3.42%	10.73%	10.74%
35	7.43%	7.44%	3.48%	10.91%	10.92%
36	7.55%	7.56%	3.54%	11.09%	11.10%
37	7.68%	7.69%	3.61%	11.29%	11.30%
38	7.80%	7.81%	3.67%	11.47%	11.48%
39	7.93%	7.94%	3.73%	11.66%	11.67%
40	8.07%	8.08%	3.80%	11.87%	11.88%
41	8.20%	8.21%	3.87%	12.07%	12.08%
42	8.34%	8.35%	3.94%	12.28%	12.29%
43	8.49%	8.50%	4.01%	12.50%	12.51%
44	8.63%	8.64%	4.08%	12.71%	12.72%
45	8.78%	8.79%	4.16%	12.94%	12.95%
46	8.94%	8.95%	4.24%	13.18%	13.19%
47	9.09%	9.10%	4.31%	13.40%	13.41%
48	9.23%	9.24%	4.38%	13.61%	13.62%
49	9.38%	9.39%	4.46%	13.84%	13.85%
50	9.54%	9.55%	4.54%	14.08%	14.09%
51	9.72%	9.73%	4.63%	14.35%	14.36%
52	9.88%	9.89%	4.71%	14.59%	14.60%
53	10.03%	10.04%	4.78%	14.81%	14.82%
54	10.18%	10.19%	4.86%	15.04%	15.05%
55	10.28%	10.29%	4.91%	15.19%	15.20%
56	10.35%	10.36%	4.94%	15.29%	15.30%
57	10.32%	10.33%	4.93%	15.25%	15.26%
58	10.16%	10.17%	4.85%	15.01%	15.02%
59	10.04%	10.05%	4.79%	14.83%	14.84%
60 and over	10.04%	10.05%	4.79%	14.83%	14.84%

Administrative Expense: 0.47% of payroll added to Basic rates.

COLA Loading: 50.01% applied to Basic rates prior to adjustment for administrative expenses.

***NOTE:** For members in Social Security, the rate should only be applied to monthly compensation in excess of \$116.67.
The rate should be applied to compensation up to the annual IRC 401(a)(17) compensation limit.

Exhibit E
GENERAL Cost Group #3 Non-PEPRA Member Contribution Rates
Membership Date before January 1, 2013
Effective 7/1/19 - 6/30/20
Expressed as a Percentage of Monthly Payroll*

<u>Entry Age</u>	<u>Basic</u>	<u>COLA</u>	<u>Total</u>
15	5.62%	2.85%	8.47%
16	5.71%	2.90%	8.61%
17	5.80%	2.95%	8.75%
18	5.90%	3.00%	8.90%
19	5.99%	3.05%	9.04%
20	6.09%	3.11%	9.20%
21	6.18%	3.16%	9.34%
22	6.28%	3.21%	9.49%
23	6.39%	3.27%	9.66%
24	6.49%	3.33%	9.82%
25	6.59%	3.39%	9.98%
26	6.70%	3.45%	10.15%
27	6.81%	3.51%	10.32%
28	6.91%	3.56%	10.47%
29	7.03%	3.63%	10.66%
30	7.14%	3.69%	10.83%
31	7.25%	3.75%	11.00%
32	7.37%	3.82%	11.19%
33	7.49%	3.88%	11.37%
34	7.61%	3.95%	11.56%
35	7.73%	4.02%	11.75%
36	7.86%	4.09%	11.95%
37	7.99%	4.16%	12.15%
38	8.12%	4.23%	12.35%
39	8.25%	4.30%	12.55%
40	8.39%	4.38%	12.77%
41	8.53%	4.46%	12.99%
42	8.68%	4.54%	13.22%
43	8.82%	4.62%	13.44%
44	8.98%	4.71%	13.69%
45	9.13%	4.79%	13.92%
46	9.28%	4.87%	14.15%
47	9.44%	4.96%	14.40%
48	9.60%	5.05%	14.65%
49	9.74%	5.13%	14.87%
50	9.91%	5.22%	15.13%
51	10.07%	5.31%	15.38%
52	10.24%	5.40%	15.64%
53	10.40%	5.49%	15.89%
54	10.54%	5.57%	16.11%
55	10.62%	5.61%	16.23%
56	10.69%	5.65%	16.34%
57	10.66%	5.64%	16.30%
58	10.48%	5.54%	16.02%
59	9.92%	5.23%	15.15%
60 and over	9.92%	5.23%	15.15%

Administrative Expense: 0.47% of payroll added to Basic rates.

COLA Loading: 55.32% applied to Basic rates prior to adjustment for administrative expenses.

***NOTE: The rate should be applied to all compensation up to the annual IRC 401(a)(17) compensation limit.**

Exhibit F

GENERAL Cost Group #4 Non-PEPRA Member Contribution Rates

Membership Date before January 1, 2013

Effective 7/1/19 - 6/30/20

Expressed as a Percentage of Monthly Payroll*

<u>Entry Age</u>	<u>Basic not in Social</u>	<u>Basic in Social</u>	<u>COLA</u>	<u>Total not in Social</u>	<u>Total in Social</u>
	<u>Security</u>	<u>Security*</u>		<u>Security</u>	<u>Security*</u>
15	5.38%	5.39%	2.67%	8.05%	8.06%
16	5.46%	5.47%	2.71%	8.17%	8.18%
17	5.55%	5.56%	2.76%	8.31%	8.32%
18	5.64%	5.65%	2.81%	8.45%	8.46%
19	5.73%	5.74%	2.86%	8.59%	8.60%
20	5.82%	5.83%	2.91%	8.73%	8.74%
21	5.92%	5.93%	2.96%	8.88%	8.89%
22	6.01%	6.02%	3.01%	9.02%	9.03%
23	6.11%	6.12%	3.06%	9.17%	9.18%
24	6.21%	6.22%	3.12%	9.33%	9.34%
25	6.31%	6.32%	3.17%	9.48%	9.49%
26	6.41%	6.42%	3.23%	9.64%	9.65%
27	6.51%	6.52%	3.28%	9.79%	9.80%
28	6.62%	6.63%	3.34%	9.96%	9.97%
29	6.72%	6.73%	3.40%	10.12%	10.13%
30	6.83%	6.84%	3.46%	10.29%	10.30%
31	6.94%	6.95%	3.52%	10.46%	10.47%
32	7.05%	7.06%	3.58%	10.63%	10.64%
33	7.17%	7.18%	3.64%	10.81%	10.82%
34	7.28%	7.29%	3.70%	10.98%	10.99%
35	7.40%	7.41%	3.77%	11.17%	11.18%
36	7.52%	7.53%	3.83%	11.35%	11.36%
37	7.64%	7.65%	3.90%	11.54%	11.55%
38	7.77%	7.78%	3.97%	11.74%	11.75%
39	7.90%	7.91%	4.04%	11.94%	11.95%
40	8.03%	8.04%	4.11%	12.14%	12.15%
41	8.16%	8.17%	4.18%	12.34%	12.35%
42	8.30%	8.31%	4.25%	12.55%	12.56%
43	8.45%	8.46%	4.34%	12.79%	12.80%
44	8.59%	8.60%	4.41%	13.00%	13.01%
45	8.75%	8.76%	4.50%	13.25%	13.26%
46	8.90%	8.91%	4.58%	13.48%	13.49%
47	9.05%	9.06%	4.66%	13.71%	13.72%
48	9.19%	9.20%	4.74%	13.93%	13.94%
49	9.35%	9.36%	4.83%	14.18%	14.19%
50	9.50%	9.51%	4.91%	14.41%	14.42%
51	9.67%	9.68%	5.00%	14.67%	14.68%
52	9.84%	9.85%	5.09%	14.93%	14.94%
53	9.99%	10.00%	5.17%	15.16%	15.17%
54	10.13%	10.14%	5.25%	15.38%	15.39%
55	10.25%	10.26%	5.31%	15.56%	15.57%
56	10.36%	10.37%	5.37%	15.73%	15.74%
57	10.34%	10.35%	5.36%	15.70%	15.71%
58	10.19%	10.20%	5.28%	15.47%	15.48%
59	9.79%	9.80%	5.06%	14.85%	14.86%
60 and over	9.79%	9.80%	5.06%	14.85%	14.86%

Administrative Expense: 0.47% of payroll added to Basic rates.

COLA Loading: 54.34% applied to Basic rates prior to adjustment for administrative expenses.

***NOTE:** For members in Social Security, the rate should only be applied to monthly compensation in excess of \$116.67.
The rate should be applied to compensation up to the annual IRC 401(a)(17) compensation limit.

Exhibit G

GENERAL Cost Group #5 Non-PEPRA Member Contribution Rates

Membership Date before January 1, 2013

Effective 7/1/19 - 6/30/20

Expressed as a Percentage of Monthly Payroll*

<u>Entry Age</u>	<u>Basic</u>	<u>COLA</u>	<u>Total</u>
15	5.40%	2.66%	8.06%
16	5.49%	2.70%	8.19%
17	5.58%	2.75%	8.33%
18	5.67%	2.80%	8.47%
19	5.76%	2.85%	8.61%
20	5.85%	2.90%	8.75%
21	5.94%	2.95%	8.89%
22	6.04%	3.00%	9.04%
23	6.14%	3.05%	9.19%
24	6.24%	3.11%	9.35%
25	6.34%	3.16%	9.50%
26	6.44%	3.22%	9.66%
27	6.54%	3.27%	9.81%
28	6.64%	3.32%	9.96%
29	6.75%	3.38%	10.13%
30	6.86%	3.44%	10.30%
31	6.97%	3.50%	10.47%
32	7.08%	3.56%	10.64%
33	7.20%	3.63%	10.83%
34	7.31%	3.69%	11.00%
35	7.43%	3.75%	11.18%
36	7.55%	3.81%	11.36%
37	7.68%	3.88%	11.56%
38	7.80%	3.95%	11.75%
39	7.93%	4.02%	11.95%
40	8.07%	4.09%	12.16%
41	8.20%	4.16%	12.36%
42	8.34%	4.24%	12.58%
43	8.49%	4.32%	12.81%
44	8.63%	4.40%	13.03%
45	8.78%	4.48%	13.26%
46	8.94%	4.56%	13.50%
47	9.09%	4.64%	13.73%
48	9.23%	4.72%	13.95%
49	9.38%	4.80%	14.18%
50	9.54%	4.89%	14.43%
51	9.72%	4.98%	14.70%
52	9.88%	5.07%	14.95%
53	10.03%	5.15%	15.18%
54	10.18%	5.23%	15.41%
55	10.28%	5.29%	15.57%
56	10.35%	5.32%	15.67%
57	10.32%	5.31%	15.63%
58	10.16%	5.22%	15.38%
59	10.04%	5.16%	15.20%
60 and over	10.04%	5.16%	15.20%

Administrative Expense: 0.47% of payroll added to Basic rates.

COLA Loading: 53.88% applied to Basic rates prior to adjustment for administrative expenses.

***NOTE: The rate should be applied to all compensation up to the annual IRC 401(a)(17) compensation limit.**

Exhibit H

GENERAL Cost Group #6 Non-PEPRA Member Contribution Rates

Membership Date before January 1, 2013

Effective 7/1/19 - 6/30/20

Expressed as a Percentage of Monthly Payroll*

<u>Entry Age</u>	<u>Basic not in Social</u>	<u>Basic in Social</u>	<u>COLA</u>	<u>Total not in Social</u>	<u>Total in Social</u>
	<u>Security</u>	<u>Security*</u>		<u>Security</u>	<u>Security*</u>
15	6.13%	6.14%	2.61%	8.74%	8.75%
16	6.23%	6.24%	2.66%	8.89%	8.90%
17	6.33%	6.34%	2.71%	9.04%	9.05%
18	6.43%	6.44%	2.75%	9.18%	9.19%
19	6.54%	6.55%	2.80%	9.34%	9.35%
20	6.64%	6.65%	2.85%	9.49%	9.50%
21	6.75%	6.76%	2.90%	9.65%	9.66%
22	6.86%	6.87%	2.95%	9.81%	9.82%
23	6.97%	6.98%	3.00%	9.97%	9.98%
24	7.08%	7.09%	3.05%	10.13%	10.14%
25	7.20%	7.21%	3.11%	10.31%	10.32%
26	7.31%	7.32%	3.16%	10.47%	10.48%
27	7.43%	7.44%	3.21%	10.64%	10.65%
28	7.55%	7.56%	3.27%	10.82%	10.83%
29	7.67%	7.68%	3.33%	11.00%	11.01%
30	7.80%	7.81%	3.39%	11.19%	11.20%
31	7.93%	7.94%	3.45%	11.38%	11.39%
32	8.06%	8.07%	3.51%	11.57%	11.58%
33	8.19%	8.20%	3.57%	11.76%	11.77%
34	8.32%	8.33%	3.63%	11.95%	11.96%
35	8.46%	8.47%	3.69%	12.15%	12.16%
36	8.61%	8.62%	3.76%	12.37%	12.38%
37	8.75%	8.76%	3.82%	12.57%	12.58%
38	8.90%	8.91%	3.89%	12.79%	12.80%
39	9.06%	9.07%	3.97%	13.03%	13.04%
40	9.23%	9.24%	4.05%	13.28%	13.29%
41	9.38%	9.39%	4.12%	13.50%	13.51%
42	9.54%	9.55%	4.19%	13.73%	13.74%
43	9.69%	9.70%	4.26%	13.95%	13.96%
44	9.86%	9.87%	4.34%	14.20%	14.21%
45	10.02%	10.03%	4.41%	14.43%	14.44%
46	10.19%	10.20%	4.49%	14.68%	14.69%
47	10.38%	10.39%	4.58%	14.96%	14.97%
48	10.53%	10.54%	4.65%	15.18%	15.19%
49	10.69%	10.70%	4.72%	15.41%	15.42%
50	10.83%	10.84%	4.79%	15.62%	15.63%
51	10.90%	10.91%	4.82%	15.72%	15.73%
52	10.87%	10.88%	4.80%	15.67%	15.68%
53	10.71%	10.72%	4.73%	15.44%	15.45%
54	10.28%	10.29%	4.53%	14.81%	14.82%
55	10.28%	10.29%	4.53%	14.81%	14.82%
56	10.28%	10.29%	4.53%	14.81%	14.82%
57	10.28%	10.29%	4.53%	14.81%	14.82%
58	10.28%	10.29%	4.53%	14.81%	14.82%
59	10.28%	10.29%	4.53%	14.81%	14.82%
60 and over	10.28%	10.29%	4.53%	14.81%	14.82%

Administrative Expense: 0.47% of payroll added to Basic rates.

COLA Loading: 46.19% applied to Basic rates prior to adjustment for administrative expenses.

***NOTE:** For members in Social Security, the rate should only be applied to monthly compensation in excess of \$116.67.
The rate should be applied to compensation up to the annual IRC 401(a)(17) compensation limit.

Exhibit I
SAFETY Cost Group #7 Non-PEPRA Member Contribution Rates
Membership Date before January 1, 2013
Effective 7/1/19 - 6/30/20
Expressed as a Percentage of Monthly Payroll*

<u>Entry Age</u>	<u>Basic</u>	<u>COLA</u>	<u>Total</u>
15	9.05%	6.42%	15.47%
16	9.05%	6.42%	15.47%
17	9.05%	6.42%	15.47%
18	9.05%	6.42%	15.47%
19	9.05%	6.42%	15.47%
20	9.05%	6.42%	15.47%
21	9.05%	6.42%	15.47%
22	9.19%	6.52%	15.71%
23	9.34%	6.63%	15.97%
24	9.50%	6.75%	16.25%
25	9.65%	6.87%	16.52%
26	9.81%	6.99%	16.80%
27	9.97%	7.11%	17.08%
28	10.14%	7.23%	17.37%
29	10.31%	7.36%	17.67%
30	10.48%	7.49%	17.97%
31	10.65%	7.61%	18.26%
32	10.84%	7.76%	18.60%
33	11.03%	7.90%	18.93%
34	11.22%	8.04%	19.26%
35	11.42%	8.19%	19.61%
36	11.62%	8.34%	19.96%
37	11.81%	8.48%	20.29%
38	12.01%	8.63%	20.64%
39	12.22%	8.79%	21.01%
40	12.44%	8.95%	21.39%
41	12.67%	9.13%	21.80%
42	12.90%	9.30%	22.20%
43	13.19%	9.51%	22.70%
44	13.42%	9.69%	23.11%
45	13.62%	9.84%	23.46%
46	13.66%	9.87%	23.53%
47	13.60%	9.82%	23.42%
48	13.39%	9.66%	23.05%
49	13.01%	9.38%	22.39%
50	13.01%	9.38%	22.39%
51	13.01%	9.38%	22.39%
52	13.01%	9.38%	22.39%
53	13.01%	9.38%	22.39%
54	13.01%	9.38%	22.39%
55	13.01%	9.38%	22.39%
56	13.01%	9.38%	22.39%
57	13.01%	9.38%	22.39%
58	13.01%	9.38%	22.39%
59	13.01%	9.38%	22.39%
60 and over	13.01%	9.38%	22.39%

Administrative Expense: 0.47% of payroll added to Basic rates.

COLA Loading: 74.80% applied to Basic rates prior to adjustment for administrative expenses.

***NOTE: The rate should be applied to all compensation up to the annual IRC 401(a)(17) compensation limit.**

Exhibit J
SAFETY Cost Group #8 Non-PEPRA Member Contribution Rates
Membership Date before January 1, 2013
Effective 7/1/19 - 6/30/20
Expressed as a Percentage of Monthly Payroll*

<u>Entry Age</u>	<u>Basic</u>	<u>COLA</u>	<u>Total</u>
15	9.03%	6.56%	15.59%
16	9.03%	6.56%	15.59%
17	9.03%	6.56%	15.59%
18	9.03%	6.56%	15.59%
19	9.03%	6.56%	15.59%
20	9.03%	6.56%	15.59%
21	9.03%	6.56%	15.59%
22	9.17%	6.66%	15.83%
23	9.32%	6.78%	16.10%
24	9.48%	6.90%	16.38%
25	9.63%	7.01%	16.64%
26	9.79%	7.14%	16.93%
27	9.95%	7.26%	17.21%
28	10.12%	7.39%	17.51%
29	10.28%	7.51%	17.79%
30	10.46%	7.65%	18.11%
31	10.64%	7.79%	18.43%
32	10.82%	7.93%	18.75%
33	11.00%	8.06%	19.06%
34	11.20%	8.22%	19.42%
35	11.39%	8.36%	19.75%
36	11.59%	8.52%	20.11%
37	11.79%	8.67%	20.46%
38	11.99%	8.82%	20.81%
39	12.20%	8.98%	21.18%
40	12.41%	9.14%	21.55%
41	12.63%	9.31%	21.94%
42	12.88%	9.50%	22.38%
43	13.16%	9.72%	22.88%
44	13.42%	9.92%	23.34%
45	13.58%	10.04%	23.62%
46	13.61%	10.06%	23.67%
47	13.52%	9.99%	23.51%
48	13.41%	9.91%	23.32%
49	13.04%	9.63%	22.67%
50	13.04%	9.63%	22.67%
51	13.04%	9.63%	22.67%
52	13.04%	9.63%	22.67%
53	13.04%	9.63%	22.67%
54	13.04%	9.63%	22.67%
55	13.04%	9.63%	22.67%
56	13.04%	9.63%	22.67%
57	13.04%	9.63%	22.67%
58	13.04%	9.63%	22.67%
59	13.04%	9.63%	22.67%
60 and over	13.04%	9.63%	22.67%

Administrative Expense: 0.47% of payroll added to Basic rates.

COLA Loading: 76.58% applied to Basic rates prior to adjustment for administrative expenses.

***NOTE: The rate should be applied to all compensation up to the annual IRC 401(a)(17) compensation limit.**

Exhibit K
SAFETY Cost Group #9 Non-PEPRA Member Contribution Rates
Membership Date before January 1, 2013
Effective 7/1/19 - 6/30/20
Expressed as a Percentage of Monthly Payroll*

<u>Entry Age</u>	<u>Basic</u>	<u>COLA</u>	<u>Total</u>
15	8.64%	3.90%	12.54%
16	8.64%	3.90%	12.54%
17	8.64%	3.90%	12.54%
18	8.64%	3.90%	12.54%
19	8.64%	3.90%	12.54%
20	8.64%	3.90%	12.54%
21	8.64%	3.90%	12.54%
22	8.78%	3.97%	12.75%
23	8.92%	4.04%	12.96%
24	9.07%	4.11%	13.18%
25	9.22%	4.18%	13.40%
26	9.37%	4.25%	13.62%
27	9.52%	4.32%	13.84%
28	9.68%	4.40%	14.08%
29	9.84%	4.48%	14.32%
30	10.01%	4.56%	14.57%
31	10.18%	4.64%	14.82%
32	10.35%	4.72%	15.07%
33	10.53%	4.81%	15.34%
34	10.71%	4.89%	15.60%
35	10.89%	4.98%	15.87%
36	11.07%	5.06%	16.13%
37	11.25%	5.15%	16.40%
38	11.45%	5.25%	16.70%
39	11.64%	5.34%	16.98%
40	11.83%	5.43%	17.26%
41	12.05%	5.53%	17.58%
42	12.27%	5.64%	17.91%
43	12.45%	5.72%	18.17%
44	12.53%	5.76%	18.29%
45	12.51%	5.75%	18.26%
46	12.43%	5.71%	18.14%
47	12.17%	5.59%	17.76%
48	12.55%	5.77%	18.32%
49	13.14%	6.05%	19.19%
50	13.14%	6.05%	19.19%
51	13.14%	6.05%	19.19%
52	13.14%	6.05%	19.19%
53	13.14%	6.05%	19.19%
54	13.14%	6.05%	19.19%
55	13.14%	6.05%	19.19%
56	13.14%	6.05%	19.19%
57	13.14%	6.05%	19.19%
58	13.14%	6.05%	19.19%
59	13.14%	6.05%	19.19%
60 and over	13.14%	6.05%	19.19%

Administrative Expense: 0.47% of payroll added to Basic rates.

COLA Loading: 47.78% applied to Basic rates prior to adjustment for administrative expenses.

***NOTE: The rate should be applied to all compensation up to the annual IRC 401(a)(17) compensation limit.**

Exhibit L
SAFETY Cost Group #10 Non-PEPRA Member Contribution Rates
Membership Date before January 1, 2013
Effective 7/1/19 - 6/30/20
Expressed as a Percentage of Monthly Payroll*

<u>Entry Age</u>	<u>Basic</u>	<u>COLA</u>	<u>Total</u>
15	9.05%	6.39%	15.44%
16	9.05%	6.39%	15.44%
17	9.05%	6.39%	15.44%
18	9.05%	6.39%	15.44%
19	9.05%	6.39%	15.44%
20	9.05%	6.39%	15.44%
21	9.05%	6.39%	15.44%
22	9.19%	6.50%	15.69%
23	9.34%	6.61%	15.95%
24	9.50%	6.73%	16.23%
25	9.65%	6.84%	16.49%
26	9.81%	6.96%	16.77%
27	9.97%	7.08%	17.05%
28	10.14%	7.20%	17.34%
29	10.31%	7.33%	17.64%
30	10.48%	7.46%	17.94%
31	10.65%	7.58%	18.23%
32	10.84%	7.73%	18.57%
33	11.03%	7.87%	18.90%
34	11.22%	8.01%	19.23%
35	11.42%	8.16%	19.58%
36	11.62%	8.31%	19.93%
37	11.81%	8.45%	20.26%
38	12.01%	8.60%	20.61%
39	12.22%	8.75%	20.97%
40	12.44%	8.92%	21.36%
41	12.67%	9.09%	21.76%
42	12.90%	9.26%	22.16%
43	13.19%	9.48%	22.67%
44	13.42%	9.65%	23.07%
45	13.62%	9.80%	23.42%
46	13.66%	9.83%	23.49%
47	13.60%	9.78%	23.38%
48	13.39%	9.63%	23.02%
49	13.01%	9.34%	22.35%
50	13.01%	9.34%	22.35%
51	13.01%	9.34%	22.35%
52	13.01%	9.34%	22.35%
53	13.01%	9.34%	22.35%
54	13.01%	9.34%	22.35%
55	13.01%	9.34%	22.35%
56	13.01%	9.34%	22.35%
57	13.01%	9.34%	22.35%
58	13.01%	9.34%	22.35%
59	13.01%	9.34%	22.35%
60 and over	13.01%	9.34%	22.35%

Administrative Expense: 0.47% of payroll added to Basic rates.

COLA Loading: 74.50% applied to Basic rates prior to adjustment for administrative expenses.

***NOTE: The rate should be applied to all compensation up to the annual IRC 401(a)(17) compensation limit.**

Exhibit M
SAFETY Cost Group #11 Non-PEPRA Member Contribution Rates
Membership Date before January 1, 2013
Effective 7/1/19 - 6/30/20
Expressed as a Percentage of Monthly Payroll*

<u>Entry Age</u>	<u>Basic</u>	<u>COLA</u>	<u>Total</u>
15	9.17%	6.88%	16.05%
16	9.17%	6.88%	16.05%
17	9.17%	6.88%	16.05%
18	9.17%	6.88%	16.05%
19	9.17%	6.88%	16.05%
20	9.17%	6.88%	16.05%
21	9.17%	6.88%	16.05%
22	9.32%	7.00%	16.32%
23	9.47%	7.12%	16.59%
24	9.63%	7.25%	16.88%
25	9.78%	7.37%	17.15%
26	9.94%	7.49%	17.43%
27	10.11%	7.63%	17.74%
28	10.28%	7.76%	18.04%
29	10.45%	7.90%	18.35%
30	10.62%	8.03%	18.65%
31	10.80%	8.17%	18.97%
32	10.99%	8.32%	19.31%
33	11.17%	8.47%	19.64%
34	11.37%	8.62%	19.99%
35	11.57%	8.78%	20.35%
36	11.77%	8.94%	20.71%
37	11.97%	9.10%	21.07%
38	12.17%	9.26%	21.43%
39	12.38%	9.42%	21.80%
40	12.59%	9.59%	22.18%
41	12.83%	9.78%	22.61%
42	13.07%	9.97%	23.04%
43	13.34%	10.18%	23.52%
44	13.60%	10.39%	23.99%
45	13.76%	10.52%	24.28%
46	13.80%	10.55%	24.35%
47	13.71%	10.48%	24.19%
48	13.44%	10.26%	23.70%
49	12.83%	9.78%	22.61%
50	12.83%	9.78%	22.61%
51	12.83%	9.78%	22.61%
52	12.83%	9.78%	22.61%
53	12.83%	9.78%	22.61%
54	12.83%	9.78%	22.61%
55	12.83%	9.78%	22.61%
56	12.83%	9.78%	22.61%
57	12.83%	9.78%	22.61%
58	12.83%	9.78%	22.61%
59	12.83%	9.78%	22.61%
60 and over	12.83%	9.78%	22.61%

Administrative Expense: 0.47% of payroll added to Basic rates.

COLA Loading: 79.12% applied to Basic rates prior to adjustment for administrative expenses.

***NOTE: The rate should be applied to all compensation up to the annual IRC 401(a)(17) compensation limit.**

Exhibit N
SAFETY Cost Group #12 Non-PEPRA Member Contribution Rates
Membership Date before January 1, 2013
Effective 7/1/19 - 6/30/20
Expressed as a Percentage of Monthly Payroll*

<u>Entry Age</u>	<u>Basic</u>	<u>COLA</u>	<u>Total</u>
15	9.17%	4.75%	13.92%
16	9.17%	4.75%	13.92%
17	9.17%	4.75%	13.92%
18	9.17%	4.75%	13.92%
19	9.17%	4.75%	13.92%
20	9.17%	4.75%	13.92%
21	9.17%	4.75%	13.92%
22	9.32%	4.83%	14.15%
23	9.47%	4.91%	14.38%
24	9.63%	5.00%	14.63%
25	9.78%	5.08%	14.86%
26	9.94%	5.17%	15.11%
27	10.11%	5.26%	15.37%
28	10.28%	5.35%	15.63%
29	10.45%	5.44%	15.89%
30	10.62%	5.54%	16.16%
31	10.80%	5.64%	16.44%
32	10.99%	5.74%	16.73%
33	11.17%	5.84%	17.01%
34	11.37%	5.95%	17.32%
35	11.57%	6.06%	17.63%
36	11.77%	6.16%	17.93%
37	11.97%	6.27%	18.24%
38	12.17%	6.38%	18.55%
39	12.38%	6.50%	18.88%
40	12.59%	6.61%	19.20%
41	12.83%	6.74%	19.57%
42	13.07%	6.87%	19.94%
43	13.34%	7.02%	20.36%
44	13.60%	7.16%	20.76%
45	13.76%	7.25%	21.01%
46	13.80%	7.27%	21.07%
47	13.71%	7.22%	20.93%
48	13.44%	7.08%	20.52%
49	12.83%	6.74%	19.57%
50	12.83%	6.74%	19.57%
51	12.83%	6.74%	19.57%
52	12.83%	6.74%	19.57%
53	12.83%	6.74%	19.57%
54	12.83%	6.74%	19.57%
55	12.83%	6.74%	19.57%
56	12.83%	6.74%	19.57%
57	12.83%	6.74%	19.57%
58	12.83%	6.74%	19.57%
59	12.83%	6.74%	19.57%
60 and over	12.83%	6.74%	19.57%

Administrative Expense: 0.47% of payroll added to Basic rates.

COLA Loading: 54.55% applied to Basic rates prior to adjustment for administrative expenses.

***NOTE: The rate should be applied to all compensation up to the annual IRC 401(a)(17) compensation limit.**

Exhibit O
PEPRA Tiers Member Contribution Rates
Membership Date on or after January 1, 2013
Effective 7/1/19 - 6/30/20
Expressed as a Percentage of Monthly Payroll*

<u>General Tiers</u>	<u>Basic</u>	<u>COLA</u>	<u>Total</u>
Cost Group #1 – PEPRA Tier 4 (2% COLA)	8.80%	2.02%	10.82%
Cost Group #1 – PEPRA Tier 4 (3% COLA)	8.95%	3.01%	11.96%
Cost Group #2 - PEPRA Tier 5 (2% COLA)	8.20%	1.87%	10.07%
Cost Group #2 - PEPRA Tier 5 (3%/4% COLA)	8.42%	2.79%	11.21%
Cost Group #3 - PEPRA Tier 4 (3% COLA)	8.03%	2.80%	10.83%
Cost Group #4 - PEPRA Tier 4 (3% COLA)	9.49%	3.24%	12.73%
Cost Group #5 - PEPRA Tier 4 (2% COLA)	9.46%	2.19%	11.65%
Cost Group #5 - PEPRA Tier 4 (3% COLA)	11.44%	3.90%	15.34%
Cost Group #6 - PEPRA Tier 4 (3% COLA)	10.01%	3.47%	13.48%

<u>Safety Tiers</u>	<u>Basic</u>	<u>COLA</u>	<u>Total</u>
Cost Group #7 - PEPRA Tier D	14.86%	6.13%	20.99%
Cost Group #8 - PEPRA Tier D	14.28%	6.00%	20.28%
Cost Group #8 - PEPRA Tier E	13.90%	3.90%	17.80%
Cost Group #9 - PEPRA Tier E	13.50%	3.76%	17.26%
Cost Group #10 - PEPRA Tier D	13.33%	5.65%	18.98%
Cost Group #11 - PEPRA Tier D	12.66%	5.40%	18.06%
Cost Group #12 - PEPRA Tier D	11.92%	5.07%	16.99%

The Basic rates shown above also include an administrative expense load of 0.47% of payroll.

***NOTE:** The rate should be applied to all compensation (whether or not in Social Security) up to the applicable annual Gov. Code 7522.10(d) compensation limit.

CONTRA COSTA COUNTY EMPLOYEES' RETIREMENT ASSOCIATION

SUBVENTION

All rates are shown as a percent of payroll.

Employee contribution rates vary depending upon their tier and age at entry. To compute the exact subvention percent for each employee, do the following:

Employee rate – Decrease the employee's rate by the subvention percent (i.e. 25%, 50%, etc.).

Employer rate – Increase the employer's rate by a **percent** of the employee's decrease using the applicable refundability factor (found on Exhibits A and B):

EXAMPLE FOR COST GROUP #3 LEGACY MEMBERS:

If the subvention percent is 25%, and
the employee's rate is 6.00%,

Employee rates should be decreased by 1.50% ($25\% \times 6.00\%$)
The employer rate should be increased by 1.4382% ($1.50\% \times 0.9588$)

Please note that for PEPRA members, subvention is generally not permitted. The standard under Gov. Code §7522.30(a) is that employees pay at least 50 percent of normal costs and that employers not pay any of the required employee contribution, but there are some exceptions. Gov. Code §7522.30(f) allows the terms (regarding the employee's required contribution) of a contract, including a memorandum of understanding, that is in effect on January 1, 2013, to continue through the length of a contract. This means that it is possible that an employer will subvent a portion of a PEPRA member's required contribution until the expiration date of the current contract, so long as it has been determined that the contract has been impaired.

CAUTION – these rates are for employer **subvention** of up to one-half the member contribution under Gov. Code §31581.1, NOT employer **pick-up** of employee contribution rates. When an employer subvents, the contribution subvented is not placed in the member's account and is therefore not available to the member as a refund. For this reason, the employer pays the contribution at a discount (i.e. "Refundability Factor").

Employer **pick-ups** of employee contributions are those made under Gov. Code §31581.2 and Internal Revenue Code §414 (h)(2) for the sole purpose of deferring income tax. These contributions are added to the member's account, are available to the member as a refund and are considered by CCCERA as part of the member's compensation for retirement purposes.

EMPLOYEE PAYMENT OF EMPLOYER COST

There are several reasons why the attached contribution rates may need to be adjusted to increase the employee portion including the following:

Gov. Code §31631 allows for members to pay all or part of the employer contributions.

Gov. Code §31639.95 allows for Safety members to pay a portion of the employer cost for the "3% at 50" enhanced benefit.

Gov. Code §7522.30(c) requires that an employee's contribution rate be at least equal to that of similarly situated employees.

Gov. Code §7522.30(e) allows the employee contributions to be more than one-half of the normal cost rate if the increase has been agreed to through the collective bargaining process.

If you need to increase the employee contribution rate for any reason, you will need to adjust both employee and employer rates as follows:

Employee rate – Increase the employee’s rate by the desired percent of payroll.

Employer rate – Decrease the employer’s rate by a **percent** of the cost-sharing percent of payroll using the applicable refundability factor:

EXAMPLE FOR COST GROUP #11 LEGACY MEMBERS:

If the required increase in the employee rate is 8.0%,

Employee rates should be increased by 8.0%.

The employer rate should be decreased by 7.732% ($8.0\% \times 0.9665$)

PREPAYMENT DISCOUNT FACTOR FOR 2019-20

Employer Contribution Prepayment Program & Discount Factor for 2019-20 is **0.9696**

If you are currently participating in the prepayment program and wish to continue, you do not need to do anything other than prepay the July 1, 2019 through June 30, 2020 contributions on or before July 31, 2019. If you wish to start participating, please contact the Accounting Department at CCCERA by March 31, 2019.

The discount factor is calculated assuming the prepayment will be received on July 31 in accordance with Gov. Code §31582(b) in lieu of 12 equal payments due at the end of each month in accordance with Gov. Code §31582(a). The discount factor for the fiscal year July 1, 2019 through June 30, 2020 will be **0.9696** based on the interest assumption of 7.00% per annum. It is calculated by discounting each of the 12 equal payments back to the date that the prepayment is made and is the sum of the discount factors shown in the table below divided by 12. Each of the discount factors below is based on how many months early the payment is made.

Payment Number	Number of Months Payment is Made Early	Discount Factor
1	0	1.0000
2	1	0.9944
3	2	0.9888
4	3	0.9832
5	4	0.9777
6	5	0.9722
7	6	0.9667
8	7	0.9613
9	8	0.9559
10	9	0.9505
11	10	0.9452
12	11	0.9399
Sum of Discount Factors Divided by 12:		0.9696