

**SANTA BARBARA COUNTY EMPLOYEES' RETIREMENT SYSTEM
ACTUARIAL VALUATION REPORT AS OF JUNE 30, 2016**

APPENDIX E – MEMBER CONTRIBUTION RATES

Member Contribution Rates effective as of the July 1, 2016 Valuation

Entry Age	General				APCD			Safety	
	5A	5B	5C	7	1	2	4A & 6A	4B	4C & 6B
16	2.93%	5.86%	2.84%	2.36%	3.44%	6.89%	5.41%	10.83%	5.23%
17	2.93%	5.86%	2.84%	2.36%	3.44%	6.89%	5.41%	10.83%	5.23%
18	2.93%	5.86%	2.84%	2.36%	3.44%	6.89%	5.41%	10.83%	5.23%
19	2.93%	5.86%	2.84%	2.36%	3.44%	6.89%	5.41%	10.83%	5.23%
20	2.93%	5.86%	2.84%	2.36%	3.44%	6.89%	5.41%	10.83%	5.23%
21	2.99%	5.99%	2.90%	2.42%	3.52%	7.04%	5.53%	11.05%	5.34%
22	3.06%	6.12%	2.97%	2.47%	3.60%	7.20%	5.64%	11.28%	5.45%
23	3.13%	6.26%	3.03%	2.53%	3.68%	7.36%	5.76%	11.52%	5.56%
24	3.20%	6.40%	3.10%	2.58%	3.76%	7.52%	5.88%	11.76%	5.68%
25	3.27%	6.55%	3.17%	2.64%	3.85%	7.69%	6.00%	12.00%	5.80%
26	3.35%	6.69%	3.24%	2.70%	3.93%	7.86%	6.12%	12.25%	5.92%
27	3.42%	6.84%	3.32%	2.76%	4.02%	8.03%	6.25%	12.50%	6.03%
28	3.50%	7.00%	3.39%	2.82%	4.10%	8.21%	6.38%	12.75%	6.16%
29	3.58%	7.15%	3.47%	2.89%	4.19%	8.39%	6.50%	13.01%	6.28%
30	3.66%	7.31%	3.54%	2.95%	4.28%	8.57%	6.63%	13.26%	6.40%
31	3.74%	7.48%	3.62%	3.02%	4.37%	8.75%	6.76%	13.52%	6.52%
32	3.82%	7.64%	3.70%	3.08%	4.47%	8.93%	6.89%	13.78%	6.65%
33	3.90%	7.81%	3.78%	3.15%	4.56%	9.12%	7.02%	14.05%	6.77%
34	3.99%	7.98%	3.86%	3.22%	4.65%	9.31%	7.16%	14.31%	6.90%
35	4.07%	8.15%	3.94%	3.28%	4.75%	9.50%	7.29%	14.58%	7.03%
36	4.16%	8.32%	4.02%	3.35%	4.85%	9.69%	7.43%	14.86%	7.16%
37	4.25%	8.49%	4.11%	3.42%	4.95%	9.89%	7.57%	15.13%	7.29%
38	4.34%	8.67%	4.19%	3.49%	5.05%	10.09%	7.70%	15.41%	7.42%
39	4.43%	8.85%	4.28%	3.57%	5.15%	10.29%	7.85%	15.69%	7.56%
40	4.52%	9.03%	4.37%	3.64%	5.25%	10.50%	7.99%	15.98%	7.69%
41	4.61%	9.22%	4.46%	3.71%	5.35%	10.70%	8.14%	16.28%	7.83%
42	4.70%	9.41%	4.54%	3.79%	5.45%	10.90%	8.29%	16.58%	7.97%
43	4.80%	9.60%	4.63%	3.86%	5.56%	11.11%	8.44%	16.89%	8.12%
44	4.89%	9.79%	4.72%	3.94%	5.66%	11.32%	8.60%	17.20%	8.26%
45	4.99%	9.98%	4.82%	4.01%	5.77%	11.54%	8.76%	17.52%	8.41%
46	5.09%	10.18%	4.91%	4.09%	5.88%	11.76%	8.92%	17.84%	8.55%
47	5.19%	10.37%	5.00%	4.17%	5.99%	11.99%	9.08%	18.17%	8.68%
48	5.28%	10.57%	5.09%	4.24%	6.10%	12.20%	9.24%	18.47%	8.79%
49	5.38%	10.77%	5.19%	4.32%	6.20%	12.40%	9.37%	18.75%	8.87%
50	5.49%	10.98%	5.28%	4.40%	6.28%	12.57%	9.48%	18.97%	8.91%
51	5.59%	11.19%	5.38%	4.48%	6.35%	12.70%	9.55%	19.10%	8.91%
52	5.70%	11.40%	5.46%	4.55%	6.38%	12.77%	9.58%	19.15%	8.91%
53	5.80%	11.60%	5.54%	4.62%	6.39%	12.77%	9.58%	19.15%	9.14%
54	5.90%	11.79%	5.61%	4.67%	6.39%	12.77%	9.58%	19.15%	9.45%
55	5.97%	11.95%	5.65%	4.71%	6.39%	12.77%	9.58%	19.15%	9.45%
56	6.04%	12.07%	5.67%	4.73%	6.39%	12.77%	9.58%	19.15%	9.45%
57	6.07%	12.14%	5.67%	4.73%	6.39%	12.77%	9.58%	19.15%	9.45%
58	6.07%	12.15%	5.85%	4.88%	6.39%	12.77%	9.58%	19.15%	9.45%
59	6.07%	12.15%	6.05%	5.04%	6.39%	12.77%	9.58%	19.15%	9.45%
60	6.07%	12.15%	6.05%	5.04%	6.39%	12.77%	9.58%	19.15%	9.45%

Assumptions:

Interest: 7.00%

Salary: 2016 Valuation Scale (Service based, includes wage inflation at 3.00%)

Unisex CalPERS Healthy Annuitant Mortality, projected to 2039 using MP-2016.

Mortality: (blended 35% Male /65% Female for General and APCD, and blended 80% Male / 20% Female for Safety)

Administrative Rates have been loaded by 3.4% to account for expected administrative expenses allocated to the members.

SANTA BARBARA COUNTY EMPLOYEES' RETIREMENT SYSTEM
 ACTUARIAL VALUATION REPORT AS OF JUNE 30, 2016

APPENDIX F – STATEMENT OF PRIOR ACTUARIAL ASSUMPTIONS AND METHODS

Member Contribution Rates effective as of the July 1, 2016 Valuation

General		PEPRA Rates		
2% COLA	3% COLA	Safety	APCD	
8.25%	10.07%	14.46%	6.91%	
Assumptions:				
Interest: 7.00%				
Salary: 2016 Valuation Scale (Service based, includes wage inflation at 3.00%)				
Mortality: Because the PEPRA contribution rates are based on 50% of the actual Normal Cost, the mortality rates are the same as those used in the actuarial valuation (CALPERS Healthy Annuitant Mortality, based on generational improvements using scale MP-2016)				
Administrative Rates have been loaded by 3.4% to account for expected expenses: administrative expenses allocated to the members				