Exhibit D2: Safety / Probation Member Contribution Rates

**Basic Member Rates** 

	Dasic Member Rates				
	Safety &	Probation	Safety	Probation	
Entry Age (1)	Plans 1&2	Plans 4&5&6	Plan 7	Plan 7	
16	7.32%	7.04%	13.59%	12.91%	
17	7.45%	7.17%	13.59%	12.91%	
18	7.59%	7.30%	13.59%	12.91%	
19	7.73%	7.44%	13.59%	12.91%	
20	7.87%	7.57%	13.59%	12.91%	
21	8.02%	7.71%	13.59%	12.91%	
22	8.16%	7.85%	13.59%	12.91%	
23	8.31%	8.00%	13.59%	12.91%	
24	8.47%	8.14%	13.59%	12.91%	
25	8.62%	8.29%	13.59%	12.91%	
26	8.78%	8.44%	13.59%	12.91%	
27	8.94%	8.60%	13.59%	12.91%	
28	9.10%	8.75%	13.59%	12.91%	
29	9.27%	8.91%	13.59%	12.91%	
30	9.44%	9.08%	13.59%	12.91%	
31	9.61%	9.24%	13.59%	12.91%	
32	9.79%	9.42%	13.59%	12.91%	
33	9.97%	9.59%	13.59%	12.91%	
34	10.16%	9.77%	13.59%	12.91%	
35	10.35%	9.95%	13.59%	12.91%	
36	10.55%	10.14%	13.59%	12.91%	
37	10.75%	10.32%	13.59%	12.91%	
38	10.95%	10.50%	13.59%	12.91%	
39	11.15%	10.68%	13.59%	12.91%	
40	11.34%	10.85%	13.59%	12.91%	
41	11.53%	11.02%	13.59%	12.91%	
42	11.72%	11.17%	13.59%	12.91%	
43	11.89%	11.31%	13.59%	12.91%	
44	12.05%	11.42%	13.59%	12.91%	
45	12.19%	11.52%	13.59%	12.91%	
46	12.32%	11.57%	13.59%	12.91%	
47	12.41%	11.57%	13.59%	12.91%	
48	12.44%	11.95%	13.59%	12.91%	
49	12.44%	12.37%	13.59%	12.91%	
50	12.44%	12.37%	13.59%	12.91%	

<sup>(1)</sup> For Safety and Probation members entering after age 50, the rate equals the rate at age 50.

Exhibit D4: General Member Contribution Rates (including SMCM&VCD)

	50% Member COLA Rates						
Entry Age (1)	Plan 1	Plan 2	Plan 4	Plan 5			
16	2.10%	1.81%	1.19%	0.98%			
17	2.14%	1.84%	1.21%	1.00%			
18	2.19%	1.88%	1.23%	1.02%			
19	2.23%	1.91%	1.26%	1.04%			
20	2.27%	1.95%	1.28%	1.06%			
21	2.31%	1.98%	1.31%	1.08%			
22	2.35%	2.02%	1.33%	1.10%			
23	2.39%	2.06%	1.35%	1.12%			
24	2.44%	2.09%	1.38%	1.14%			
25	2.48%	2.13%	1.40%	1.16%			
26	2.53%	2.17%	1.43%	1.18%			
27	2.57%	2.21%	1.45%	1.20%			
28	2.62%	2.25%	1.48%	1.23%			
29	2.67%	2.29%	1.51%	1.25%			
30	2.72%	2.33%	1.54%	1.27%			
31	2.77%	2.38%	1.57%	1.30%			
32	2.82%	2.42%	1.59%	1.32%			
33	2.87%	2.47%	1.62%	1.34%			
34	2.92%	2.51%	1.65%	1.37%			
35	2.98%	2.56%	1.68%	1.39%			
36	3.03%	2.60%	1.71%	1.42%			
37	3.09%	2.65%	1.74%	1.44%			
38	3.15%	2.70%	1.78%	1.47%			
39	3.21%	2.75%	1.81%	1.50%			
40	3.26%	2.80%	1.84%	1.53%			
41	3.33%	2.86%	1.88%	1.55%			
42	3.39%	2.91%	1.91%	1.58%			
43	3.46%	2.97%	1.95%	1.61%			
44	3.52%	3.02%	1.98%	1.64%			
45	3.58%	3.07%	2.01%	1.67%			
46	3.64%	3.13%	2.04%	1.70%			
47	3.70%	3.17%	2.07%	1.73%			
48	3.75%	3.22%	2.09%	1.76%			
49	3.80%	3.26%	2.12%	1.79%			
50	3.85%	3.30%	2.13%	1.82%			
51	3.89%	3.34%	2.15%	1.85%			
52	3.92%	3.36%	2.15%	1.88%			
53	3.93%	3.37%	2.21%	1.90%			
54	3.93%	3.37%	2.29%	1.92%			
55	3.93%	3.37%	2.29%	1.94%			
56	3.93%	3.37%	2.29%	1.94%			
57	3.93%	3.37%	2.29%	1.94%			
58	3.93%	3.37%	2.29%	2.01%			
59	3.93%	3.37%	2.29%	2.08%			
60	3.93%	3.37%	2.29%	2.08%			

<sup>(1)</sup> For County General members (except plan 5 members) entering after age 55, the rate equals the rate at age 55. For County General plan 5 members entering after age 60, the rate equals the rate at age 60.

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Exhibit D5: Safety Member Contribution Rates(2)

50% Member COLA Rates

	50% Member COLA Rates						
Entry Age (1)	Plans 1&2	Plan 4	Plan 5	Plan 6			
16	4.24%	2.39%	2.16%	1.98%			
17	4.32%	2.44%	2.20%	2.02%			
18	4.40%	2.48%	2.24%	2.05%			
19	4.48%	2.53%	2.29%	2.09%			
20	4.56%	2.57%	2.33%	2.13%			
21	4.65%	2.62%	2.37%	2.17%			
22	4.73%	2.67%	2.41%	2.21%			
23	4.82%	2.72%	2.46%	2.25%			
24	4.91%	2.77%	2.50%	2.29%			
25	5.00%	2.82%	2.55%	2.33%			
26	5.09%	2.87%	2.59%	2.37%			
27	5.18%	2.92%	2.64%	2.42%			
28	5.27%	2.97%	2.69%	2.46%			
29	5.37%	3.03%	2.74%	2.51%			
30	5.47%	3.08%	2.79%	2.55%			
31	5.57%	3.14%	2.84%	2.60%			
32	5.67%	3.20%	2.90%	2.65%			
33	5.78%	3.26%	2.95%	2.70%			
34	5.89%	3.32%	3.00%	2.75%			
35	6.00%	3.38%	3.06%	2.80%			
36	6.11%	3.44%	3.12%	2.85%			
37	6.23%	3.51%	3.17%	2.90%			
38	6.35%	3.57%	3.23%	2.95%			
39	6.46%	3.63%	3.28%	3.00%			
40	6.57%	3.69%	3.34%	3.05%			
41	6.68%	3.74%	3.39%	3.10%			
42	6.79%	3.79%	3.43%	3.14%			
43	6.89%	3.84%	3.48%	3.18%			
44	6.98%	3.88%	3.51%	3.21%			
45	7.07%	3.91%	3.54%	3.24%			
46	7.14%	3.93%	3.56%	3.25%			
47	7.19%	3.93%	3.56%	3.25%			
48	7.21%	4.06%	3.67%	3.36%			
49	7.21%	4.20%	3.80%	3.48%			
50	7.21%	4.20%	3.80%	3.48%			

<sup>(1)</sup> For members entering after age 50, the rate equals the rate at age 50.

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<sup>(2)</sup> These contribution rates also apply to Probation Managers.

Exhibit D6: PDA Member Contribution Rates(2)

50%	Member	COLA	Rates
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Entry Age (1)	Diama 492				
Entry Age (1)	Plans 1&2	Plan 4	Plan 5	Plan 6	
	West of the second				
16	3.96%	2.34%	2.18%	1.88%	
· 17	4.02%	2.39%	2.22%	1.91%	
18	4.10%	2.43%	2.26%	1.95%	
19	4.18%	2.47%	2.30%	1.98%	
20	4.25%	2.52%	2.34%	2.02%	
21	4.33%	2.56%	2.39%	2.06%	
22	4.41%	2.61%	2.43%	2.09%	
23	4.49%	2.66%	2.47%	2.13%	
24	4.57%	2.71%	2.52%	2.17%	
25	4.66%	2.76%	2.56%	2.21%	
26	4.74%	2.81%	2.61%	2.25%	
27	4.83%	2.86%	2.66%	2.29%	
28	4.91%	2.91%	2.71%	2.33%	
29	5.00%	2.96%	2.76%	2.38%	
30	5.10%	3.02%	2.81%	2.42%	
31	5.19%	3.08%	2.86%	2.47%	
32	5.29%	3.13%	2.91%	2.51%	
33	5.39%	3.19%	2.97%	2.56%	
34	5.49%	3.25%	3.02%	2.61%	
35	5.59%	3.31%	3.08%	2.65%	
36	5.70%	3.37%	3.14%	2.70%	
37	5.81%	3.43%	3.19%	2.75%	
38	5.91%	3.49%	3.25%	2.80%	
39	6.02%	3.55%	3.30%	2.85%	
40	6.12%	3.61%	3.36%	2.89%	
41	6.23%	3.66%	3.41%	2.94%	
42	6.32%	3.71%	3.45%	2.98%	
43	6.42%	3.76%	3.49%	3.01%	
44	6.51%	3.80%	3.53%	3.05%	
45	6.58%	3.83%	3.56%	3.07%	
46	6.65%	3.85%	3.58%	3.09%	
47	6.70%	3.85%	3.58%	3.09%	
48	6.72%	3.97%	3.70%	3.19%	
49	6.72%	4.11%	3.82%	3.30%	
50	6.72%	4.11%	3.82%	3.30%	

<sup>(1)</sup> For PDA members entering after age 50, the rate equals the rate at age 50.



<sup>(2)</sup> Probation Manager member COLA rates are based on rates shown in Appendix D-5

Exhibit 10: Statutory Employer Contribution Rates - All Plans

			Al	l Plans					
			Employer Rates						
	Gross Normal Cost	Member Contributions	Basic Normal Cost	COLA Normal Cost	Total Normal Cost	UAAL Contribution Rate <sup>(1)</sup>	Total Contribution Rate	Prior Year Total Contribution Rate <sup>(2)</sup>	
General Members									
County (Plan 3)	7.41%	0.00%	7.41%	0.00%	7.41%	18.37%	25.78%	28.31%	
County (0%) (3)	21.08%	(10.13)%	5.95%	5.00%	10.95%	18.37%	29.32%	30.63%	
County (50%) (3)	20.05%	(11.36)%	6.57%	2.12%	8.69%	18.37%	27.06%	28.70%	
Courts (0%) (3)	20.85%	(10.45)%	6.69%	3.71%	10.40%	19.54%	29.94%	30.73%	
Courts (50%) (3)	20.59%	(11.96)%	6.68%	1.95%	8.63%	19.54%	28.17%	30.73%	
Total	19.85%	(11.13)%	6.54%	2.18%	8.72%	18.43%	27.15%	29.27%	
SMCM&VCD Members									
Total	19.14%	(7.39)%	8.59%	3.16%	11.75%	19.54%	31.29%	32.88%	
Safety Members									
Total	31.16%	(16.02)%	11.65%	3.49%	15.14%	43.58%	58.72%	65.47%	
Probation Members									
PDA	30.92%	(15.61)%	11.96%	3.35%	15.31%	26.77%	42.08%	47.01%	
Managers	31.39%	(14.16)%	14.17%	3.06%	17.23%	26.77%	44.00%	46.88%	
Total	31.04%	(15.39)%	12.31%	3.34%	15.65%	26.77%	42.42%	46.99%	
All Plans									
Total	21.95%	(11.66)%	7.54%	2.75%	10.29%	21.93%	32.22%	34.74%	
County Only									
Total	21.95%	(11.73)%	7.49%	2.73%	10.22%	22.04%	32.26%	34.92%	

- (1) County UAAL Contribution Rate includes an aggregate offset of 1.37% of payroll to reflect the County Supplementary Contribution Account. Offsets vary by class of member as follows:
  - General member UAAL offset is 1.17% of payroll
  - Safety member UAAL offset is 2.54% of payroll
  - Probation member UAAL offset is 1.60% of payroll
- (2) The Prior Year Total Contribution Rate reflects the valuation addendums that were issued subsequent to the valuation report.
- (3) Bargaining units that have negotiated for members (other than Plan 3 members) to pay a specific share of the cost of COLA are grouped together for purposes of this exhibit. The percentage of total COLA cost paid by member is shown in parenthesis.

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Exhibit 10d: Employer Statutory Contribution Rates - Probation

			Liouen	ion Membe				
			Employer Rates					
	Gross Normal Cost	Member Contributions	Basic Normal Cost	COLA Normal Cost	Total Normal Cost	UAAL Contribution Rate <sup>(1)</sup>	Total Contribution Rate	Prior Year Total Contribution Rate <sup>(2)</sup>
Plan 1								
PDA Members	34.55%	(3.50)%	15.00%	16.05%	31.05%	26.77%	57.82%	59.14°
Managers	34.55%	(3.50)%	15.00%	16.05%	31.05%	26.77%	57.82%	50.93
Total	34.55%	(3.50)%	15.00%	16.05%	31.05%	26.77%	57.82%	59.14
Plan 2								
PDA Members	33.61%	(17.66)%	12.12%	3.83%	15.95%	26.77%	42.72%	48.57
Managers	33.41%	(14.28)%	13.58%	5.55%	19.13%	26.77%	45.90%	50.03
Total	33.61%	(16.77)%	12.49%	4.35%	16.84%	26.77%	43.61%	48.98
Plan 4								
PDA Members	30.93%	(15.55)%	12.09%	3.29%	15.38%	26.77%	42.15%	46.84
Managers	30.75%	(14.18)%	14.42%	2.15%	16.57%	26.77%	43.34%	45.90
Total	30.93%	(15.35)%	12.42%	3.16%	15.58%	26.77%	42.35%	46.73
Plan 5								
PDA Members	29.51%	(13.86)%	12.72%	2.93%	15.65%	26.77%	42.42%	43.75
Managers	29.51%	(13.86)%	12.72%	2.93%	15.65%	26.77%	42.42%	41.18
Total	29.51%	(13.86)%	12.72%	2.93%	15.65%	26.77%	42.42%	43.75
Plan 6								
PDA Members	25.24%	(9.77)%	12.89%	2.58%	15.47%	26.77%	42.24%	43.57
Managers	25.24%	(9.77)%	12.89%	2.58%	15.47%	26.77%	42.24%	42.00
Total	25.24%	(9.77)%	12.89%	2.58%	15.47%	26.77%	42.24%	43.57
Plan 7								
PDA Members	25.82%	(12.91)%	10.20%	2.71%	12.91%	26.77%	39.68%	41.5
Managers	25.82%	(12.91)%	10.20%	2.71%	12.91%	26.77%	39.68%	41.5
Total	25.82%	(12.91)%	10.20%	2.71%	12.91%	26.77%	39.68%	41.5
All Plans								
PDA Members	30.92%	(15.61)%	11.96%	3.35%	15.31%	26.77%	42.08%	47.0
Managers	31.39%	(14.16)%	14.17%	3.06%	17.23%	26.77%	44.00%	46.8
Total	31.04%	(15.39)%	12.31%	3.34%	15.65%	26.77%	42.42%	46.9

<sup>(1)</sup> UAAL Contribution Rate includes an offset of 1.60% of payroll to reflect the County Supplementary Contribution Account.

<sup>(2)</sup> The Prior Year Total Contribution Rate reflects the valuation addendums that were issued subsequent to the valuation report.

Exhibit 11: Calculated Gross Normal Cost Rates

## **All Plans Normal Cost** Service Disability Death while Termination Termination **Total Gross** Retirement Retirement Active (No Refund) (Refund) Plan **Normal Cost** General Plan 1 15.99% 1.80% 0.45% 2.14% 2.00% 22.38% General Plan 2 15.39% 1.80% 0.42% 1.89% 1.92% 21.42% General Plan 3 6.86% 0.00% 0.00% 0.55% 0.00% 7.41% General Plan 4 15.28% 1.88% 0.39% 1.61% 1.84% 21.00% General Plan 5 13.39% 1.93% 0.35% 1.24% 1.29% 18.20% General Plan 7 11.59% 1.82% 0.31% 0.88% 1.22% 15.82% **General Total** 14.45% 1.82% 0.38% 1.51% 1.69% 19.85% SMCM&VCD Plan 1 N/A N/A N/A N/A N/A N/A SMCM&VCD Plan 2 N/A N/A N/A N/A N/A N/A SMCM&VCD Plan 4 14.88% 1.57% 1.85% 0.37% 1.13% 19.80% SMCM&VCD Plan 7 10.64% 1.31% 0.42% 1.13% 1.20% 14.70% SMCM&VCD Total 14.33% 1.78% 0.38% 1.51% 1.14% 19.14% Safety Plan 1 33.40% 4.22% 1.51% 2.20% 1.02% 42.35% Safety Plan 2 26.56% 3.38% 1.40% 1.93% 0.76% 34.03% Safety Plan 4 25.34% 3.46% 1.18% 1.69% 0.75% 32.42% Safety Plan 5 25.46% 4.05% 1.19% 1.25% 0.97% 32.92% Safety Plan 6 26.35% 4.43% 1.12% 0.80% 0.82% 33.52% Safety Plan 7 20.67% 3.72% 1.11% 0.94% 0.74% 27.18% Safety Total 25.13% 3.54% 1.22% 1.61% 0.78% 32.28% Probation Plan 1 29.30% 2.18% 1.06% 1.51% 0.50% 34.55% Probation Plan 2 26.20% 3.31% 1.29% 1.95% 0.86% 33.61% Probation Plan 4 24.22% 3.01% 1.10% 1.78% 0.82% 30.93% Probation Plan 5 23.22% 3.22% 1.04% 1.30% 0.73% 29.51% Probation Plan 6 19.27% 3.06% 1.06% 1.34% 0.51% 25.24% Probation Plan 7 19.81% 3.24% 1.03% 1.07% 0.67% 25.82% **Probation Total** 24.24% 3.09% 1.13% 1.76% 0.82% 31.04%

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0.52%

1.54%

1.53%

21.95%

2.10%



16.27%

**All Plans**