MEMO

Date:

September 22, 2011

To:

CCCERA Board of Retirement

From:

Marilyn Leedom, Chief Executive Officer

m

MEETING DATE

OCT 1 2 2011

AGENDA ITEM

Subject:

Contribution Rates for the Period July 1, 2012 through June 30, 2013.

At the August 10, 2011 Board meeting, Segal presented the results of the Actuarial Valuation and Review as of December 31, 2010. The Board accepted the Valuation Report, but requested the item to consideration adoption of the new contribution rates be postponed until the first meeting in October to allow employers time to review the report and the resulting changes in contribution rates.

Attached to this memo are pages from the Actuarial Valuation outlining the proposed rates for the various cost groups. These rates would take effect on July 1, 2012 and continue through June 30, 2013.

Components of Recommended Employer Contribution Rates for Members with Membership Dates before January 1, 2011 Employer Rates Under Recommended Assumptions for July 1, 2012 through June 30, 2013

7.75% Interest. 4.25% Wage Inflation. Plus Merit Salary Increase Assumptions CHART 15-A

	Total	COL	Basic + 50% Subvention	50% Subvention	Basic	General Tier I (Over \$350)	Total	COL	Basic + 50% Subvention	50% Subvention	Basic	General Tier I (Under \$350)	Total	COL	Basic + 50% Subvention	50% Subvention	Basic	General Tier I (Aggregate)					
	18.12%	3.31%	14.81%	2.86%	11.95%		12.08%	2.21%	9.87%	1.90%	7.97%		17.83%	3.26%	14.57%	2.81%	11.76%		Normal Cost				
Payro[l = \$28,697,279]	12.29%	3.42%	8.87%	0.00%	8.87%		8.19%	2.28%	5.91%	0.00%	5.91%		12.10%	3.37%	8.73%	0.00%	8.73%		+ UAAL	County	Cost Group #1	Enhanced	7.75% Interes
	30.41%	6.73%	23.68%	2.86%	20.82%		20.27%	4.49%	15.78%	1.90%	13,88%		29.93%	6.63%	23.30%	2.81%	20.49%		= Total		11-11-11-11-11-11-11-11-11-11-11-11-11-		7.75% Interest, 4.25% Wage Inflation, Plus Merit Salary Increase Assumptions
	18.12%	3.31%	14.81%	2.86%	11.95%		12.08%	2.21%	9.87%	1.90%	7.97%		17.83%	3.26%	14.57%	2.81%	11.76%		Normal Cost	- In the second			, Plus Merit Salary Incr
Payroll = $$8,581,647$	21.61%	7.56%	14.05%	0.00%	14.05%		14.41%	5.04%	9.37%	0.00%	9.37%		21.25%	7.44%	13.81%	0.00%	13.81%		+ UAAL	Districts without POB	Cost Group #1	Enhanced	ease Assumptions
	39.73%	10.87%	28.86%	2.86%	26.00%		26.49%	7.25%	19.24%	1.90%	17.34%		39.08%	10.70%	28.38%	2.81%	25.57%		= Total		L-MANUEL L	***************************************	

CHART 15-A (continued)
Components of Recommended Employer Contribution Rates for Members with Membership Dates before January 1, 2011
Employer Rates Under Recommended Assumptions for July 1, 2012 through June 30, 2013

7.75% Interest, 4.25% Wage Inflation, Plus Merit Salary Increase Assumptions

		Payroll = \$602,314	Payı		
28.10%		9.98%		18.12%	Total
6.60%		3.29%		3.31%	COL
21.50%		6.69%		14.81%	Basic + 50% Subvention
2.86%	1	0.00%	1	2.86%	50% Subvention
18.64%		6,69%		11.95%	Basic
					General Tier 1 (Over \$350)
18.73%		6.65%		12.08%	Total
4.40%		2.19%	l 	2.21%	COL
14.33%		4.46%		9.87%	Basic + 50% Subvention
1.90%		0.00%	*	1.90%	50% Subvention
12.43%		4.46%		7.97%	Basic
					General Tier 1 (Under \$350)
27.65%		9.82%		17.83%	Total
6.50%		3.24%		3.26%	COL
21.15%		6.58%		14.57%	Basic + 50% Subvention
2.81%		0.00%	 	2.81%	50% Subvention .
18.34%		6.58%		11.76%	Basic
					General Tier 1 (Aggregate)
Total	H	UAAL	+	Normal Cost	
	foraga)	Districts with POB (Moraga)	District		
***************************************		Cost Group #1			
		Enhanced			
1.73% Illerest, 4.23% wage initation, rlus wein salary filtre	rest, 4.2570	7.7570 III.G			

SECTION 2: Valuation Results for the Contra Costa County Employees' Retirement Association

Components of Recommended Employer Contribution Rates for Members with Membership Dates before January 1, 2011 Employer Rates Under Recommended Assumptions for July 1, 2012 through June 30, 2013 CHART 15-A (continued)

	Total	COL	Basic + 50% Subvention	50% Subvention	Basic	General Tier 3 (Over \$350)	Total	COL	Basic + 50% Subvention	50% Subvention	Basic	General Tier 3 (Under \$350)	Total	COL	Basic + 50% Subvention	50% Subvention	Basic	General Tier 3 (Aggregate)					
7.1	17.79%	3.25%	14.54%	3.16%	11.38%		11.86%	2.17%	9.69%	2.10%	7.59%		17.44%	3.18%	14.26%	3.10%	11.16%		Normal Cost				
Payroll = \$457,953,654	12.34%	3,43%	8.91%	0.00%	8.91%		8.23%	2.29%	5.94%	0.00%	5.94%		12.10%	3.37%	8.73%	0.00%	8.73%		+ UAAL =	County	Cost Group #2	Enhanced	7.75% Interest,
	30.13%	6.68%	23.45%	3.16%	20.29%		20.09%	4.46%	15.63%	2.10%	13.53%		29.54%	6.55%	22.99%	3.10%	19.89%		= Total		**************************************		7.75% Interest, 4.25% Wage Inflation, Plus Merit Salary Increase Assumptions
	17.79%	3.25%	14.54%	3.16%	11.38%		11.86%	2.17%	9,69%	2.10%	7.59%		17.44%	3.18%	14.26%	3,10%	11.16%		Normal Cost				Plus Merit Salary Increa
Payroll = \$2,991,917	21.69%	7.60%	14.09%	0.00%	14.09%		14.46%	5.07%	9.39%	0.00%	9.39%		21.25%	7.44%	13.81%	0.00%	13.81%		+ UAAL =	Districts without POB	Cost Group #2	Enhanced	se Assumptions
	39.48%	10.85%	28.63%	3.16%	25.47%		26.32%	7.24%	19.08%	2,10%	16.98%		38.69%	10.62%	28.07%	3.10%	24.97%		Total				

SECTION 2: Valuation Results for the Contra Costa County Employees' Retirement Association

Employer Rates Under Recommended Assumptions for July 1, 2012 through June 30, 2013	Components of Recommended Employer Contribution Rates for Members with Membership Dates before January 1, 2011	CHART 15-A (continued)

7.75% Interest, 4.25% Wage Inflation, Plus Merit Salary Increase Assumptions	

		Enhanced			Enhanced	
		Cost Group #3			Cost Group #4	***************************************
	Centre	Central Contra Costa Sanitary District	itary District	Con	Contra Costa Housing Authority	ority
	Normal Cost	+ UAAL	= Total	Normal Cost	+ UAAL =	= Total
General Tier I (Aggregate)						
Basic	14.39%	23.96%	38.35%	12.27%	10.35%	22.62%
50% Subvention	2.99%	0.00%	2.99%	3.16%	0.00%	3.16%
Basic + 50% Subvention	17.38%	23.96%	41.34%	15.43%	10.35%	25.78%
COL	4.25%	11.31%	15.56%	3.17%	8.17%	11.34%
Total	21.63%	35.27%	56.90%	18.60%	18.52%	37.12%
General Tier 1 (Under \$350)						
Basic	9.73%	16.21%	25.94%	8.37%	7.06%	15.43%
50% Subvention	2.02%	0.00%	2.02%	2.16%	0.00%	2.16%
Basic + 50% Subvention	11.75%	16.21%	27.96%	10.53%	7.06%	17.59%
COL	2.88%	7.64%	10.52%	2.16%	5.57%	7.73%
Total	14.63%	23.85%	38.48%	12.69%	12.63%	25.32%
General Tier 1 (Over \$350)						
Basic	14.60%	24.31%	38.91%	12.56%	10.59%	23.15%
50% Subvention	3.03%	0.00%	3.03%	3.23%	0.00%	3.23%
Basic + 50% Subvention	17.63%	24.31%	41.94%	15.79%	10.59%	26.38%
COL	4.31%	11.47%	15.78%	3.24%	8.36%	11.60%
Total	21.94%	35.78%	57.72%	19.03%	18.95%	37.98%
		Payroll = \$24,455,315	5		Payroll = \$5,334,523	

SECTION 2: Valuation Results for the Contra Costa County Employees' Retirement Association

Employer Rates Under Recommended Assumptions for July 1, 2012 through June 30, 2013	Components of Recommended Employer Contribution Rates for Members with Membership Dates before January 1, 2011	CHART 15-A (continued)
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10(2)		COL 3.2	Basic + 50% Subvention 14.91%	50% Subvention 2.5	Basic 11.96%	General Tier I (Over \$350)	Total 12.11%	COL 2.1	Basic + 50% Subvention 9.5	50% Subvention 1.5	Basic 7.5	General Tier 1 (Under \$350)	Total . 17.84%	COL 3.1	Basic + 50% Subvention 14.6	50% Subvention 2.5	Basic 11.75%	General Tier I (Aggregate)	Normal Cost					Employer Raies Under Recommended Assumptions for July 1, 2012 unrough June 30, 2013
	18.16% 10.97%	3.25% 4.00%	01% 6.97%	2.95% 0.00%	6.97%		1% 7.31%	2.17% 2,66%	9.94% 4.65%	1.97% 0.00%	7.97% 4.65%		10.77%	3.19% 3.92%	14.65% 6.85%	2.90% 0.00%	15% 6.85%		Cost + UAAL =	Contra Costa County Fire Protection District	Cost Group #5	Enhanced	7.75% Interest,	ided Assumptions for July
	29,13%	7.25%	21.88%	2.95%	18.93%		19.42%	4.83%	14.59%	1.97%	12,62%		28.61%	7.11%	21.50%	2.90%	18.60%		- Total	ion District	refer recently realwhite definitional description of the state of		4.25% Wage Inflation, F	ו, בטוב וווטעטוו סע
5	20.52%	3.85%	16.67%	3.77%	12.90%		13,68%	2.57%	11.11%	2.51%	8.60%		20.04%	3.76%	16.28%	3.68%	12.60%		Normal Cost +	D	MARINA ARIE TO THE TAXABLE TO THE TA		7.75% Interest, 4.25% Wage Inflation, Plus Merit Salary Increase Assumptions	116 30, 2013
D 11 - 970 5 100	11.27%	3.84%	7.43%	0.00%	7.43%		7.51%	2.56%	4.95%	0.00%	4.95%		11.01%	3.75%	7.26%	0.00%	7.26%		UAAL =	Districts without POB	Cost Group #6	Non-enhanced	Assumptions	
	31.79%	7.69%	24.10%	3.77%	20.33%		21.19%	5.13%	16.06%	2.51%	13.55%		31.05%	7.51%	23.54%	3.68%	19.86%		Total					

SECTION 2: Valuation Results for the Contra Costa County Employees' Retirement Association

CHARI 15-A (CONTINUED)
Components of Recommended Employer Contribution Rates for Members with Membership Dates before January 1, 2011
Employer Rates Under Recommended Assumptions for July 1, 2012 through June 30, 2013

7.75% [
Interest,
4.25%
Wage
Interest, 4.25% Wage Inflation, Plus Merit Salary 1
Plus
Merit
Salary
Increase
Merit Salary Increase Assumptions

	Total	COL	Basic + 0% Subvention	0% Subvention	Basic	Cafaty Tipr A						Total	COL	Basic + 50% Subvention	50% Subvention	Basic	Safety Tier A				
	27.84%	6.64%	21.20%	0.00%	21.20%		Normal Cost	Contra Cos		- Hadranda da		33.03%	6.75%	26.28%	4.36%	21.92%		Normal Cost			
Payroll = $$33,909,602$	21.72%	13.44%	8.28%	0.00%	8.28%		+ UAAL =	Contra Costa County Fire Protection District	Cost Group #8	Enhanced	Payroll = $$79,456,506$	30.20%	12.90%	17.30%	0.00%	17.30%		+ UAAL =	County	Cost Group #7	Enhanced
	49,56%	20.08%	29.48%	0.00%	29,48%		Total	on District				63.23%	19.65%	43.58%	4.36%	39.22%		Total			
Pa	27.84%	6.64%	21.20%	0.00%	21.20%		Normal Cost +	East Contra													
Payroll = $$3,238,334$	58.62%	29.40%	29.22%	0.00%	29.22%		UAAL =	East Contra Costa Fire Protection District	Cost Group #8	Enhanced											
	86.46%	36.04%	50.42%	0.00%	50.42%		Total	n District	***************************************												

SECTION 2: Valuation Results for the Contra Costa County Employees' Retirement Association

CHART 15-A (continued) Components of Recommended Employer Contribution Rates for Members with Membership Dates before January 1, 2011 Employer Rates Under Recommended Assumptions for July 1, 2012 through June 30, 2013

7.75% Interest, 4.25% Wage Inflation, Plus Merit Salary Increase Assumptions

	Total	COL	Basic + 0% Subvention	0% Subvention	Basic	Safety Tier A						Total	COL	Basic + 50% Subvention	50% Subvention	Basic	Safety Tier C				
	28.45%	6.83%	21.62%	0.00%	21.62%		Normal Cost	M				26.07%	3.53%	22.54%	4.24%	18.30%		Normal Cost			
Payroll = \$7,894,991	16.25%	10.61%	5.64%	0.00%	5.64%		+ UAAL =	Moraga-Orinda Fire District	Cost Group #10	Enhanced	Payroll = $\$7,829,592$	30.20%	12.90%	17.30%	0.00%	17.30%		+ UAAL =	County	Cost Group #9	Enhanced
	44.70%	17.44%	27.26%	0.00%	27.26%		Total	ct				56.27%	16.43%	39.84%	4.24%	35.60%		Total		om en	
Pay	28.58%	6.97%	21.61%	0.00%	21.61%		Normal Cost +	San Ra													
Payroll = \$19,504,281	34.97%	13.00%	21.97%	0.00%	21.97%		UAAL =	San Ramon Valley Fire District	Cost Group #11	Enhanced											
	63.55%	19.97%	43.58%	0.00%	43.58%		Total	ict													

SECTION 2: Valuation Results for the Contra Costa County Employees' Retirement Association

CHART 15-A (continued)
Components of Recommended Employer Contribution Rates for Members with Membership Dates before January 1, 2011
Employer Rates Under Recommended Assumptions for July 1, 2012 through June 30, 2013

7.75% Interest, 4.25% Wage Inflation, Plus Merit Salary Increase Assumptions

	Total	COL	Basic + 0% Subvention	0% Subvention	Basic	Safety Tier A				
	22.39%	5.40%	16.99%	0.00%	16.99%		Normal Cost +	Rodeo		
Payroll = $$2,257,925$	35.65%	13.07%	22.58%	0.00%	22.58%		+ UAAL =	Rodeo-Hercules Fire Protection District	Cost Group #12	Non-enhanced
	58.04%	18.47%	39.57%	0.00%	39.57%		= Total	District		

Grand Total (Includes Both Enhanced and Non-enhanced - County and District)

Payroll = \$687,443,206	Total 20.55% 16.88%	COL 3.98% 5.98%	Basic + 50% Subvention* 16.57% 10.90%	50% Subvention* 2.94% 0.00%	Basic 13.63% 10.90%	Normal Cost + UAAL =	(144 HOLD WHITE AND THE PARTY OF THE PARTY O
43,206	% 37.43%	% 9.96%	% 27.47%	% 2.94%	% 24.53%		County was something

* These rates include the 50% employer subvention of members' basic contributions (except for Safety District rates).

Components of Recommended Employer Contribution Rates for Members with Membership Dates on or after January 1, 2011 Employer Rates Under Recommended Assumptions for July 1, 2012 through June 30, 2013 CHART 15-B

Total	COL	Basic + 50% Subvention	50% Subvention	Basic	General Tier 1 (Over \$350)	Total	COL	Basic + 50% Subvention	50% Subvention	Basic	General Tier 1 (Under \$350)	Total	COL	Basic + 50% Subvention	50% Subvention	Basic	General Tier 1 (Aggregate)					
16.49%	3.10%	13.39%	2.86%	10.53%		10.99%	2.06%	8.93%	1.91%	7.02%		16.23%	3.06%	13.17%	2.81%	10.36%		Normal Cost				
12.29%	3.42%	8.87%	0.00%	8.87%		8,19%	2.28%	5.91%	0.00%	5.91%		12.10%	3.37%	8.73%	0.00%	8.73%		+ UAAL	County	Cost Group #1	Enhanced	7.75% Interest
28.78%	6.52%	22.26%	2.86%	19.40%		19.18%	4.34%	14.84%	1.91%	12.93%		28.33%	6.43%	21.90%	2.81%	19.09%		= Total	***************************************			7.75% Interest, 4.25% Wage Inflation, Plus Merit Salary
16.49%	3.10%	13.39%	2.86%	10.53%		10.99%	2.06%	8.93%	1.91%	7.02%		16.23%	3.06%	13.17%	2.81%	10.36%		Normal Cost	- The state of the			Plus Merit Salary Incre
21.61%	7.56%	14.05%	0.00%	14.05%		14.41%	5.04%	9.37%	0.00%	9.37%		21.25%	7.44%	13.81%	0.00%	13.81%		+ UAAL	Districts without POB	Cost Group #1	Enhanced	Increase Assumptions
38.10%	10.66%	27.44%	2.86%	24.58%		25.40%	7.10%	18.30%	1.91%	16.39%		37.48%	10.50%	26.98%	2.81%	24.17%		Total				

SECTION 2: Valuation Results for the Contra Costa County Employees' Retirement Association

CHART 15-B (continued)
Components of Recommended Employer Contribution Rates for Members with Membership Dates on or after January 1, 2011
Employer Rates Under Recommended Assumptions for July 1, 2012 through June 30, 2013

7.75% Interest, 4.25% Wage Inflation, Plus Merit Salary Increase Assumptions

			7.73% IIILE	rest, 4,22	1.75% Interest, 4.25% wage initiation, Fixis Ment Salary In	Fiels Merit Salary II
		***************************************	Enhanced			
			Cost Group #1			
		District	Districts with POB (Moraga)	1oraga)		
	Normal Cost	+	UAAL	II	Total	
General Tier I (Aggregate)						
Basic	10.36%		6.58%		16.94%	
50% Subvention	2.81%		0.00%		2.81%	
Basic + 50% Subvention	13.17%		6.58%	 	19.75%	
COL	3.06%		3.24%		6.30%	
Total	16.23%	ļ	9.82%		26.05%	
General Tier 1 (Under \$350)						
Basic	7.02%		4.46%		11.48%	
50% Subvention	1.91%		0.00%		1.91%	
Basic + 50% Subvention	8.93%		4.46%	.	13.39%	
COL	2.06%		2.19%		4.25%	
Total	10.99%	ļ	6.65%		17.64%	
General Tier I (Over \$350)						
Basic	10.53%		6.69%		17.22%	
50% Subvention	2.86%		0.00%		2.86%	
Basic + 50% Subvention	13.39%]	6.69%		20.08%	
COL	3.10%		3.29%		6.39%	
Total	16.49%	,	9.98%]	26.47%	

CHART 15-B (continued)
Components of Recommended Employer Contribution Rates for Members with Membership Dates on or after January 1, 2011
Employer Rates Under Recommended Assumptions for July 1, 2012 through June 30, 2013

7.75% Interest, 4.25% Wage Inflation, Plus Merit Salary Increase Assumptions	yet Nakes Offider Neconfilmended Assumptions for July 1, 2012 through Julie 30, 2013

		Enhanced			Enhanced	
		Cost Group #2		***************************************	Cost Group #2	
	The state of the s	County		****	Districts without POB	3
	Normal Cost	+ UAAL	= Total	Normal Cost	+ UAAL	= Total
General Tier 3 (Aggregate)						
Basic	10.12%	8.73%	18.85%	10.12%	13.81%	23.93%
50% Subvention	3.10%	0.00%	3.10%	3.10%	0.00%	3.10%
Basic + 50% Subvention	13.22%	8.73%	21.95%	13.22%	13.81%	27.03%
COL	2.98%	3.37%	6.35%	2.98%	7.44%	10.42%
Total	16.20%	12.10%	28.30%	16.20%	21.25%	37.45%
General Tier 3 (Under \$350)						
Basic	6.88%	5.94%	12.82%	6.88%	9.39%	16.27%
50% Subvention	2.11%	0.00%	2.11%	2.11%	0.00%	2.11%
Basic + 50% Subvention	8.99%	5.94%	14.93%	8.99%	9.39%	18.38%
COL	2.03%	2.29%	4.32%	2.03%	5.07%	7.10%
Total	11.02%	8.23%	19.25%	11.02%	14.46%	25.48%
General Tier 3 (Over \$350)						
Basic	10.32%	8.91%	19.23%	10,32%	14.09%	24.41%
50% Subvention	3.16%	0.00%	3.16%	3.16%	0.00%	3.16%
Basic + 50% Subvention	13,48%	8.91%	22.39%	13.48%	14.09%	27.57%
COL	3.05%	3.43%	6.48%	3.05%	7.60%	10.65%
Total	16.53%	12.34%	28.87%	16.53%	21.69%	38.22%
lotal	10.33%	12.34%	28.8/%	16.53%		21.69%

SECTION 2: Valuation Results for the Contra Costa County Employees' Retirement Association

Employer Rates Under Recommended Assumptions for July 1, 2012 through June 30, 2013	Components of Recommended Employer Contribution Rates for Members with Membership	CHART 15-B (continued)
s for July 1, 2012 through June 30, 2013	ion Rates for Members with Membership Dat	
	Dates on or after January 1, 2011	

		Enhanced	nhanced Enhance Enhance	, Flus Meth Salary Increas	Enhanced	
		Cost Group #3		den eine mit den eine eine eine eine eine eine eine	Cost Group #4	
	Centi	Central Contra Costa Sanitary District	nitary District	Contr	Contra Costa Housing Authority	ority
	Normal Cost	+ UAAL	= Total	Normal Cost +	UAAL =	Total
General Tier 1 (Aggregate)						
Basic	11.77%	23.96%	35.73%	11.35%	10.35%	21.70%
50% Subvention	2.99%	0.00%	2.99%	3.16%	0.00%	3,16%
Basic + 50% Subvention	14.76%	23.96%	38.72%	14.51%	10.35%	24.86%
COL	3.58%	11.31%	14.89%	3.19%	8.17%	11.36%
Total	18.34%	35.27%	53.61%	17.70%	18.52%	36.22%
General Tier I (Under \$350)						
Basic	7.96%	16.21%	24.17%	7.75%	7.06%	14.81%
50% Subvention	2,02%	0,00%	2.02%	2.15%	0.00%	2.15%
Basic + 50% Subvention	9.98%	16.21%	26.19%	9.90%	7.06%	16.96%
COL	2.42%	7.64%	10.06%	2.17%	5.57%	7.74%
Total	12.40%	23.85%	36.25%	12.07%	12.63%	24.70%
General Tier 1 (Over \$350)						
Basic	11.94%	24.31%	36.25%	11.62%	10.59%	22.21%
50% Subvention	3.03%	0.00%	3,03%	3.23%	0.00%	3.23%
Basic + 50% Subvention	14.97%	24.31%	39.28%	14.85%	10.59%	25.44%
COL	3.63%	11.47%	15.10%	3.26%	8.36%	11.62%
Total	18.60%	35.78%	54.38%	18.11%	18.95%	37.06%

SECTION 2: Valuation Results for the Contra Costa County Employees' Retirement Association

	Components of Recommended Employer Contribution Rates for Members with Membership Dates on or after January 1, 20'	CHART 15-B (continued)
	ter January 1, 2011	

7 720/ Internal Application Discovery and the Property of the	7 750/ Internet A 250/ Wigns Inflation Disc Marit Colon, Incompany Assumptions	The Name Colon Inches	_ A	
Enhanced		##	Non-enhanced	
Cost Group #5	***************************************		Cost Group #6	AF11111101FF111111AF1111111111111111111
Contra Costa County Fire Protection District	tion District		Districts without POB	***************************************
Normal Cost + UAAL	= Total	Normal Cost +	UAAL =	Total
10.34% 6.85%	17.19%	11.00%	7.26%	18.26%
2.90% 0.00%	2.90%	3.68%	0.00%	3.68%
13.24% 6.85%	20.09%	14.68%	7.26%	21.94%
2.99% 3.92%	6.91%	3.45%	3.75%	7.20%
16.23% 10.77%	27.00%	18.13%	11.01%	29.14%
7.02% 4.65%	11.67%	7.51%	4.95%	12.46%
1.97% 0.00%	1.97%	2.51%	0.00%	2.51%
8.99% 4.65%	13.64%	10.02%	4.95%	14.97%
2.02% 2.66%	4.68%	2.35%	2.56%	4.91%
11.01% 7.31%	18.32%	12.37%	7.51%	19.88%
10.53% 6.97%	17.50%	11.26%	7.43%	18.69%
2.95% 0.00%	2.95%	3.77%	0.00%	3.77%
13.48% 6.97%	20,45%	15.03%	7.43%	22.46%
3.04% 4.00%	7.04%	3.53%	3.84%	7.37%
16.52% 10.97%	27.49%	18.56%	11.27%	29.83%
3.04% 16.52%	4.00% 10,97%		7.04% 27.49%	7.04% 3.53% 27.49% 18.56%

SECTION 2: Valuation Results for the Contra Costa County Employees' Retirement Association

Employer Rates Under Recommended Assumptions for July 1, 2012 through June 30, 2013	Components of Recommended Employer Contribution Rates for Members with Membership	
ough June 30, 2013	rs with Membershi	
	p Dates on or after January 1, 2011	
	1, 2011	

Safety Tier A Basic 0% Subvention Basic + 0% Subvention COL Total		Safety Tier A Basic 50% Subvention Basic + 50% Subvention COL Total
18.73% 0.00% 18.73% 6.12% 24.85%	Contra Cost Normal Cost +	Normal Cost + 19.24% 4.36% 23.60% 6.16% 29.76%
8.28% 0.00% 8.28% 13.44% 21.72%	Enhanced Cost Group #8 Contra Costa County Fire Protection District	Enhanced Cost Group #7 County UAAL = 17.30% 0.00% 17.30% 17.30% 30.20%
27.01% 0.00% 27.01% 19.56% 46.57%	on District Total	Total 36.54% 4.36% 40.90% 19.06% 59.96%
18.73% 0.00% 18.73% 6.12% 24.85%	East Contra	
29.22% 0.00% 29.22% 29.40% 58.62%	Enhanced Cost Group #8 Contra Costa Fire Protection District + UAAL = T	
47.95% 0.00% 47.95% 35.52% 83.47%	District Total	

SECTION 2: Valuation Results for the Contra Costa County Employees' Retirement Association

CHART 15-B (continued)

Components of Recommended Employer Contribution Rates for Members with Membership Dates on or after January 1, 2011 Employer Rates Under Recommended Assumptions for July 1, 2012 through June 30, 2013

7.75% Interest, 4.25% Wage Inflation, Plus Merit Salary Increase Assumptions

COL Total	Safety Tier A Basic 0% Subvention					Total	COL	Basic + 50% Subvention	50% Subvention	Safety Tier C Basic				
5.98%	18.38%	Normal Cost +	Mo		the state of the s	25.13%	3.42%	21.71%	4.24%	17.47%	Normal Cost +		***************************************	
10.61%	5.64%	UAAL =	Moraga-Orinda Fire District	Cost Group #10	Enhanced	30.20%	12.90%	17.30%	0.00%	17.30%	UAAL =	County	Cost Group #9	Enhanced
16,59% 40.61%	24.02%	Total	et			55.33%	16.32%	39.01%	4.24%	34.77%	Total			
6.21%	18.63%	Normal Cost +	San R	THE TRANSPORT OF THE PROPERTY	The state of the s									
13.00%	21,97%	UAAL =	San Ramon Valley Fire District	Cost Group #11	Enhanced									
19.21% 59.81%	40.60%	Total	ct											

CHART 15-B (continued)

Components of Recommended Employer Contribution Rates for Members with Membership Dates on or after January 1, 2011 Employer Rates Under Recommended Assumptions for July 1, 2012 through June 30, 2013

7.75% Interest, 4.25% Wage Inflation, Plus Merit Salary Increase Assumptions

			Non-enhanced		
			Cost Group #12	2	
	Rode	o-Hercu	Rodeo-Hercules Fire Protection District	ection Dis	trict
	Normal Cost +	+	UAAL	l II	Total
Safety Tier A					
Basic	15.22%		22.58%		37.80%
0% Subvention	0.00%		0.00%		0.00%
Basic + 0% Subvention	15.22%		22.58%		37.80%
COL	5.03%		13.07%		18.10%
Total	20.25%		35.65%		55.90%