



June 30, 2016 GASB 45 Actuarial Valuation

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<ul> <li>Eligibility</li> </ul>	• Service (50 <sup>1</sup> & 5	yrs CalPERS service)/disabilit	y retirement from County
<ul> <li>Medical Benefit</li> </ul>	Group	<b>2014 Valuation</b> <sup>2</sup>	2016 Valuation
Cap (monthly)	Attorney	\$ 370	\$ 370
	Corr. Officer	668.45/1,055.60/1,154.80	340 Effective 1/1/16
	Dept Heads	374.83	374.83
	Deputy Sheriff	668.45/1,055.60/1,154.80	375 Effective 7/1/18
	Elected Officials <sup>3</sup>	1,861.49	375 Effective 1/1/19
	General	668.45/1,055.60/1,154.80	220 Effective 1/1/16
	Investigator	668.45/1,055.60/1,154.80	Unit abolished <sup>4</sup>
	Management	370.67	400
	Probation	220	220
	Sheriff Mgmt	375	375
	Sup Attorney	370.67	370
	Supervisor	746	789 Effective 10/1/16
	Unrepresented	370.67	370.67

Age 52 for PEPRA New Hires.

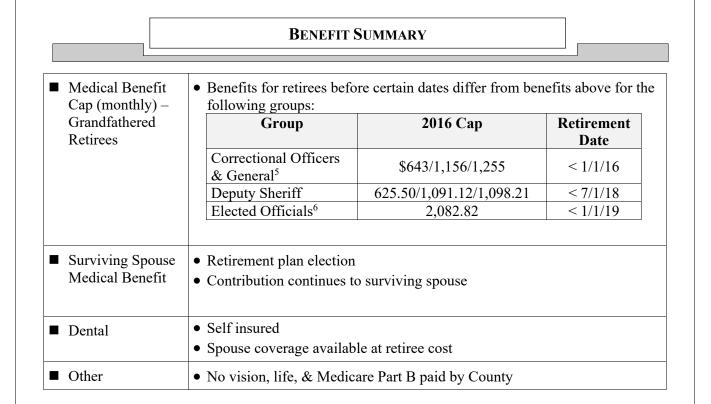
<sup>2</sup> 90% of Kaiser varies based on single/dual/family coverage (2014) for Correctional Officers, Deputy Sheriffs, General, and Investigators

<sup>3</sup> Average Bay Area family premium excluding high/ low in 2014. Average based on Sacramento premiums in 2016.
 <sup>4</sup> Moved under Deputy Sheriffs.

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<sup>&</sup>lt;sup>5</sup> Caps based on 90% Kaiser Bay Area premiums, reduced at Medicare eligibility age 65. and freeze at 2016 premiums.

Average Sacramento family premium excluding high/low. Cap freeze will be frozen in 2018.

#### **BENEFIT SUMMARY**

Pay-As-You-Go	Fiscal Year	Medical	Dental <sup>7</sup>	<u>Total</u>	
(amounts in 000's)	2015/16	n/a	n/a	\$ 4,361 <sup>8</sup>	
	2014/15	3,863	423	4,286	
	2013/14	3,678	427	4,104	
	2012/13	3,289	406	3,695	
	2011/12	3,466	386	3,852	
	2010/11	3,110	352	3,462	
	2009/10	2,534	330	2,864	

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Retiree only costs. Includes estimated final 6 months payments for General and Correctional Officers units.

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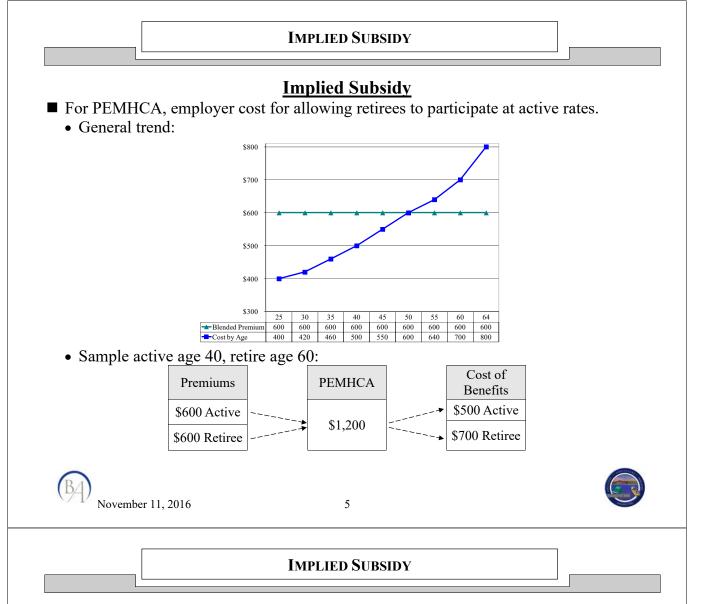
### **BENEFIT SUMMARY**

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- GASB 45 defers to actuarial standards of practice.
- Prior Actuarial Standards of Practice No. 6<sup>9</sup> (ASOP 6) allowed community rated plans to value liability using premiums, resulting in no implied subsidy.
- In May 2014, Actuarial Standards Board released revised ASOP 6:
  - Requires implied subsidy valued for community rated plans such as PEMHCA.
  - Timing: effective with all valuations on or after March 31, 2015
- June 30, 2014 and 2016 valuations include the implied subsidy.

Measuring Retiree Group Benefits Obligations and Determining Retiree Group Benefits Plan Costs or Contributions.



#### **PARTICIPANT STATISTICS**

	6/30/08	6/30/10	6/30/12	6/30/14	6/30/16
Count					
• Miscellaneous	1,324	978	963	1,033	1,138
• Safety	317	291	292	281	289
• Total	1,641	1,269	1,255	1,314	1,427
Averages					
• Age	43.7	43.5	43.9	43.5	42.
County Service	8.4	9.2	9.9	9.9	9.
• Salary	\$ 55,100	\$ 62,300	\$ 64,000	\$ 63,700	\$ 67,100
• Total Salary (000's)	90,478	79,070	80,292	83,753	95,78

## **Actives**

<sup>10</sup> Total and average salary are for 2007/08, 2010/11, 2011/12, 2013/14, and 2015/16.

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## **PARTICIPANT STATISTICS**

## **Retirees**

	6/30/08	6/30/10	6/30/12	6/30/14	6/30/16
Count					
• Miscellaneous	372	497	542	572	583
• Safety	<u>    76</u>	<u>96</u>	85	<u>95</u>	102
• Total (w/Medical)	448	593	627	667	685
• Dental Only	<u>244</u>	<u>300</u>	<u>295</u>	<u>308</u>	<u>294</u>
• Total	692	893	922	975	979
Averages					
• Age (w/Medical)	69.9	68.4	69.0	69.5	70.3
• Retirement Age (service)					
➤ Miscellaneous	n/a	60.2	60.1	60.1	60.2
➤ Safety	n/a	57.4	57.5	57.7	58.0



Assumption	June 30, 2014 Valuation	June 30, 2016 Valuation
■ Valuation Date	• June 30, 2014	• June 30, 2016
	• 2013/14 & 2014/15	• 2015/16 & 2016/17
■ Funding Policy	<ul> <li>\$800,000 to trust in 14/15</li> <li>15-year phase-in to full ARC starting 2015/16</li> </ul>	• Same
■ Discount Rate	<ul> <li>Select and ultimate assumption         <ul> <li>(4.00% for portion not funded)</li> <li>2015/16</li> <li>4.17%</li> <li>2016/17</li> <li>4.33%</li> <li>2017/18</li> <li>4.50%</li> <li>2018/19</li> <li>4.67%</li> <li>:</li> <li>2028/29</li> <li>6.33%</li> <li>2029/30+</li> <li>6.50%</li> </ul> </li> </ul>	• Same



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### **ACTUARIAL ASSUMPTIONS HIGHLIGHTS**

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Assumption	Ju	ne 30, 2014 Va	luation	Ju	ne 30, 2016 Va	luation
Medical Trend		Increase from Prior Year			Increase from	<u>Prior Year</u>
	Year	Non-Medicare	Medicare	Year	Non-Medicare	Medicare
	2014	Actual Pres	miums	2014	n/	a
	2015	Actual Pres	miums	2015	n/	a
	2016	7.5% 7.8%		2016	Actual Premiums	
	2017	7.0%	7.2%	2017	Actual Pre	miums
	2018	6.5%	6.7%	2018	6.5%	6.7%
	2019	6.0%	6.1%	2019	6.0%	6.1%
	2020	5.5%	5.6%	2020	5.5%	5.6%
	2021+	5.0%	5.0%	2021+	5.0%	5.0%



Assumption	June 30, 2014 Valuation	June 30, 2016 Valuation
Cap Increases <sup>11</sup>	<ul> <li>General, CO, Supervisors, Deputy Sheriffs, Investigator, and Elected Officials: Medical trend</li> <li>All other groups: None</li> </ul>	<ul> <li>General and Probation: CPI (3.0%)</li> <li>Grandfathered Correctional Officer, General, Deputy Sherrif, and Elected Officials: Medical Trend until new caps effective</li> <li>All other groups: None</li> </ul>

<sup>11</sup> Assumption based on guidance from County.

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## **ACTUARIAL ASSUMPTIONS HIGHLIGHTS**

Assumption	Ju	June 30, 2014 Valuation				ne 30, 20	16 Valu	ation
■ Service Retirement	• CalPERS 1997-2011 Experience Study				PERS 199 erience St			
	Tier 1 ERA PEPRA ERA	0	0	2%@62	PEPRA ERA • No a assu	$\frac{\text{Safety}}{3\%@55} \approx 57.6$ $2.7\%@57 \approx 58.0$ Accelerate med durine fit window	$\approx 54.5$ 2.7%@57 $\approx 57.6$ ed retireming grand	$\approx 60.4$ $2\%@62$ $\approx 61.5$ ment
■ Dental Claims	• \$33/	month			• \$38/	month		



Assumption	June 30, 2014 Valuation	June 30, 2016 Valuation
Marital Status	<ul> <li>Currently covered: same as current marital status</li> <li>Currently waived: 80% married</li> </ul>	<ul> <li>Currently covered: same as current marital status</li> <li>Currently waived: 25% married</li> </ul>
<ul> <li>Mortality, Termination,</li> </ul>	CalPERS 1997-2011     Experience Study	• CalPERS 1997-2011 Experience Study
Disability	• Post-retirement mortality projected with Scale AA	• Fully generational with Scale MP14 modified to converge to ultimate improvement rates in 2022 for pre and post- retirement mortality



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## **ACTUARIAL ASSUMPTIONS HIGHLIGHTS**

Assumption	June 30, 2014 Valuation	June 30, 2016 Valuation
Participation at Retirement	<ul><li>Currently covered: 100%</li><li>Currently waived: 80%</li></ul>	<ul> <li>General, Management, Attorney, Sup. Attorney, CO, Sher. Mgmt, Probation, Unrepresented, Dept. Heads, Deputy Sheriff, and Elected Officials: 80%</li> <li>Supervisor: 90%</li> </ul>
Waived Retiree Re-election	<ul> <li>Waived retiree data not available</li> <li>Retirees with dental but no medical coverage assumed waived with similar demographics</li> <li>Pre-65: 20% re-elect at 65</li> <li>Post-65: 0%</li> </ul>	<ul> <li>Waived retiree data not available</li> <li>Retirees with dental but no medical coverage assumed waived with similar demographics</li> <li>Pre-65: 10% re-elect at 65</li> <li>Post-65: 0%</li> </ul>



Assumption	June 30, 2014 Valuation	June 30, 2016 Valuation
■ Affordable Care Act Excise Tax	• None	• Grandfathered Deputy Sheriff, Investigators, and Elected Officials: 2% increase in cash subsidy liability
		• Other Groups: None



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## **ACTUARIAL METHODS**

Method	June 30, 2014 Valuation	June 30, 2016 Valuation
■ Cost Method	• Entry Age Normal	• Same
Amortization Method	• Level percent of payroll	• Same
Actuarial Value of Assets	<ul> <li>Investment gains and losses spread over a 5-yr open period</li> <li>Not less than 80% nor more than 120% of market value</li> </ul>	• Same
<ul> <li>Amortization Period</li> </ul>	• 6/30/14 UAAL – 20-year fixed (closed) period	• Same (18 years remaining)
■ Future New Entrants	• None – closed group	• Same



#### ASSETS

	,					
	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
<ul> <li>Market Value (Beginning of Year)</li> </ul>	\$ -	\$ 500	\$ 515	\$ 864	\$ 989	\$ 1,805
<ul> <li>Contributions</li> </ul>	500	-	300	4,119 <sup>12</sup>	800	2,49413
• Benefit Payments	-	-	-	$(4,119)^{14}$	-	-
• Admin. Expenses	-	(6)	(6)	(7)	(8)	(9)
• Investment Earnings	-	21	55	131	24	(7)
<ul> <li>Market Value (End of Year)</li> </ul>	500	515	864	989	1,805	4,282
Approximate Return	n/a	2.9%	8.8%	14.4%	1.3%	(0.9%)

## Market Value of Plan Assets (Amounts in 000's)

12 Fiscal year 13/14 pay-go of \$4.119 million deposited at end of June 2014.

13 August 9, 2016 \$2.494 million contribution included. County should discuss treatment with its' auditors.

14 Reimbursement to County for fiscal year 13/14 pay-go paid from Trust in July 2014 and treated as accrued 6/30/14.

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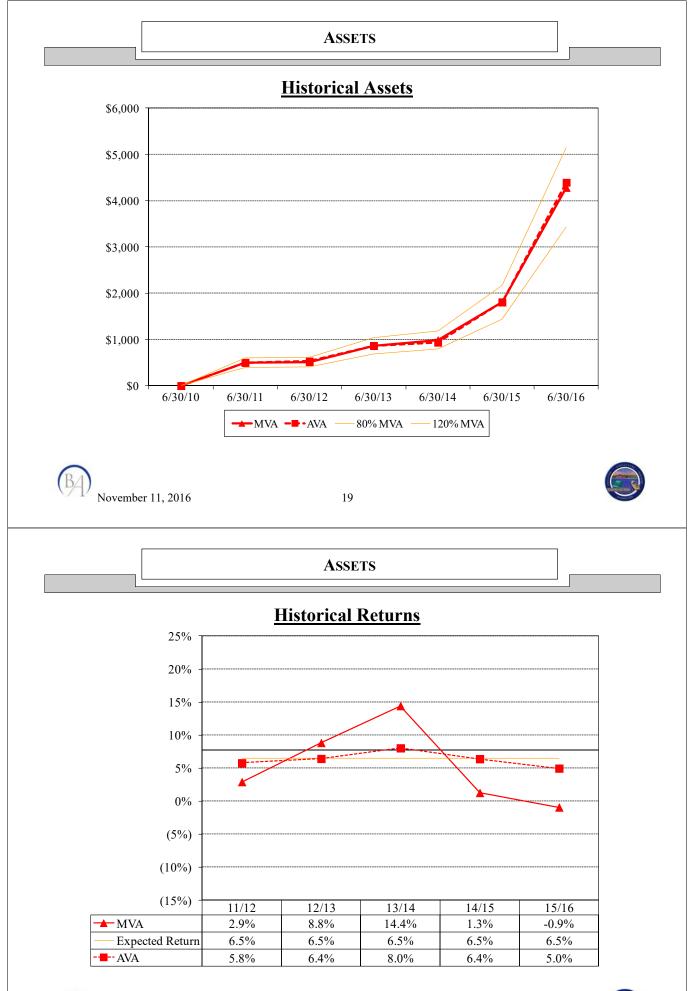
ASSETS	
Actuarial Value of Plan Assets	

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(Amounts in 000's)

	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
<ul> <li>Actuarial Value (Beginning of Year)</li> </ul>	\$ -	\$ 500	\$ 529	\$ 866	\$ 936	\$ 1,809
• Contributions	500	-	300	4,119	800	2,494
• Benefit Payments	-	-	-	(4,119)	-	-
• Credited Return	-	29	37	70	74	90
<ul> <li>Actuarial Value (End of Year)</li> </ul>	500	529	866	936	1,809	4,393
Approximate Return	n/a	5.8%	6.4%	8.0%	6.4%	5.0%







(Amounts in 000's)								
	6/30/08	6/30/10	6/30/12	6/30/14	6/30/16			
Present Value of Benefits								
• Actives	\$169,853	\$177,841	\$167,781	\$162,514	\$ 62,110			
• Retirees	40,135	66,022	63,782	70,792	<u>55,45(</u>			
• Total	209,988	243,863	231,563	233,306	117,560			
Actuarial Accrued Liability								
• Actives	67,232	75,752	74,827	83,235	31,069			
• Retirees	40,135	66,022	63,782	70,792	55,450			
• Total	107,367	141,774	138,609	154,027	86,519			
Actuarial Value of Assets			529	936	4,393			
Unfunded AAL	107,367	141,774	138,080	153,091	82,120			
Normal Cost	9,247	10,389	9,684	8,315	3,710			
Pay-As-You-Go Cost	1,762	2,864	3,852	4,865	5,113			

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**Funded Status** (Amounts in 000's)

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**RESULTS Funded Status** (Amounts in 000's) \$160,000 \$140,000 \$120,000 \$100,000 \$80,000 \$60,000 \$40,000 \$20,000 \$0 6/30/08 6/30/10 6/30/12 6/30/14 6/30/16 Retiree pay-go Retiree AAL less pay-go Active AAL -- AVA -- MVA



# Actuarial Accrued Liability Gain/Loss (Amounts in 000's)

	AAL
Actual 6/30/14	\$154,027
Expected 6/30/16	173,957
Changes	
• Medical premiums/caps lower than expected	(18,686)
• Plan changes (caps)	(26,246)
• Cap increase assumption change	(22,238)
• Participation at retirement assumption	(8,234)
• Waived retiree re-election assumption	(545)
• Mortality improvement MP-2014	3,066
• Excise tax	143
<ul> <li>Actives leaving County at rates &gt; assumed</li> </ul>	(6,950)
• Actives changing coverage and elections	(1,763)
• Other experience	(5,985)
• Total	(87,438)
Actual 6/30/16	86,519

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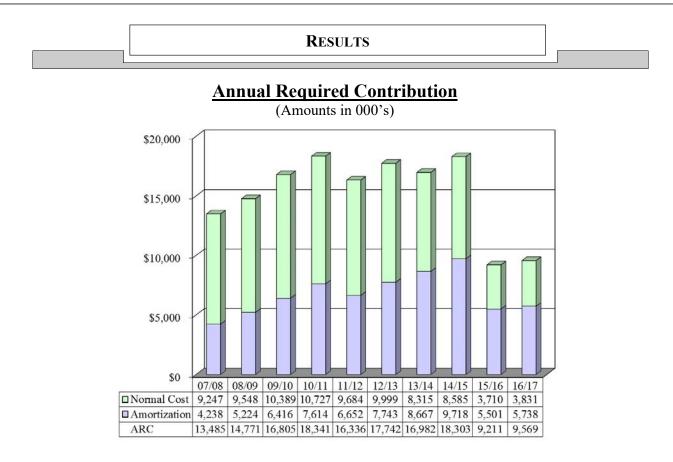


	6/30/14 V	Valuation	6/30/16 Valuation		
	2013/14	2014/15	2015/16	2016/17	
■ ARC - \$					
Normal Cost	\$ 8,315	\$ 8,585	\$ 3,710	\$ 3,831	
• UAAL Amortization	<u>8,667</u>	<u>9,718</u>	<u>5,501</u>	<u>5,738</u>	
• Total	16,982	18,303	9,211	9,569	
Projected Payroll	81,117	83,753	95,781	98,894	
■ ARC - %					
Normal Cost	10.3%	10.3%	3.9%	3.9%	
• UAAL Amortization	<u>10.7%</u>	<u>11.6%</u>	<u>5.7%</u>	<u>5.8%</u>	
• Total	20.9%	21.9%	9.6%	9.7%	

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## Annual Required Contributions (ARC) (Amounts in 000's)

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# Amortization Bases (Amounts in 000's)

	6/30/2014	Valuation	6/30/2016 Valuation		
	6/30/2013	6/30/2014	6/30/2015	6/30/2016	
Outstanding Balance					
Initial UAAL	\$ 107,187	\$ 105,018	\$ 102,720	\$ 100,161	
• (Gains)/Losses & Assumption Changes					
➤ 2010 Valuation	581	569	557	543	
➤ 2012 Valuation	(27,042)	(26,538)	(25,958)	(25,311)	
➤ 2014 Valuation	(6,146)	(6,022)	(5,890)	(5,743)	
➤ 2016 Valuation	-	-	(83,361)	(81,284)	
• Contributions < ARC	75,062	<u>86,185</u>	<u>97,955</u>	<u>96,387</u>	
• Total	149,641	159,212	86,023	84,752	

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# Amortization Payments (Amounts in 000's)

	6/30/2014	Valuation	6/30/2016 Valuation		
	<b>2013/14</b> <sup>15</sup>	2014/15	2015/16	2016/17	
Amortization Payment					
Initial UAAL	\$ 6,208	\$ 6,410	\$ 6,568	\$ 6,782	
• (Gains)/Losses & Assumption Changes					
➤ 2010 Valuation	34	35	36	37	
➤ 2012 Valuation	(1,566)	(1,620)	(1,660)	(1,714)	
➤ 2014 Valuation	(356)	(368)	(377)	(389)	
➤ 2016 Valuation	-	-	(5,330)	(5,504)	
• Contributions < ARC	<u>4,348</u>	<u>5,261</u>	<u>6,264</u>	<u>6,526</u>	
• Total	8,667	9,718	5,501	5,738	
<ul> <li>Average Amort. Period</li> </ul>	20.0	19.0	18.0	17.0	

<sup>15</sup> Amortized over 20 years.



	(Amounts in 00	00's)		
	CAFR			Estimate
	2013/14	2014/15	2015/16	2016/17
■ NOO at Beginning of Year	\$ 72,175	\$ 82,735	\$ 94,034	\$ 92,384
Annual OPEB Cost				
<ul> <li>Annual Required Contribution</li> </ul>	16,982	18,303	9,211	9,569
• Interest on NOO	2,791	3,343	3,816	3,893
• Adjustment to ARC	<u>(4,348)</u>	(5,261)	$(7,070)^{16}$	<u>(6,526)</u>
<ul> <li>Annual OPEB Cost</li> </ul>	15,425	16,385	5,957	6,936
Contributions				
• Benefit Pmts – Cash	4,104	4,286	4,36117	4,327
• Benefit Pmts – Implied Subsidy	761	<u>n/a</u>	752	805
• Total Benefit Payments	4,865	4,286	5,113	5,132
• Trust		800	<u>2,494</u> <sup>18</sup>	536
Total Contribution	4,865	5,086	7,607	5,668
■ NOO at End of Year	82,735	94,034	92,384	93,652

## Net OPEB Obligation (NOO)

<sup>16</sup> Includes adjustment for 2014/15 year implied subsidy payments (\$806,000) not included in 6/30/15 NOO development.
 <sup>17</sup> Estimated Cash benefit payment provided by the City.
 <sup>18</sup> August 9, 2016 \$2.494 million contribution included. County should discuss treatment with its' auditors.

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#### **RESULTS**

## Projected Contributions (Amounts in 000's)

	Benefit Payments					
Fiscal		Implied		Full	Phase-In	Trust
Year	Cash	Subsidy	Total	$ADC^{19}$	Percent	Contrib.
2016/17	\$ 4,327	\$ 805	\$ 5,132	\$ 9,149	13%	\$536
2017/18	4,366	775	5,141	9,738	20%	919
2018/19	4,492	829	5,321	10,378	27%	1,348
2019/20	4,599	892	5,491	11,061	33%	1,857
2020/21	4,689	866	5,555	11,788	40%	2,493
2021/22	4,792	917	5,709	12,567	47%	3,200
2022/23	4,919	1,021	5,940	13,393	53%	3,974
2023/24	5,025	1,024	6,049	14,259	60%	4,926
2024/25	5,154	1,123	6,277	15,170	67%	5,928
2025/26	5,312	1,257	6,569	16,113	73%	7,000

19 Annually Determined Contribution (ADC) based on 6.5% discount rate.



RESULTS
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# Cash & Implied Subsidy (Amounts in 000's)

	Cash Subsidy	Implied Subsidy	Total
Present Value of Benefits	\$ 93,686	\$ 23,874	\$ 117,560
Funded Status			
• Actives	21,041	10,029	31,069
• Retirees	<u>51,372</u>	4,078	<u>55,450</u>
Actuarial Accrued Liability	72,413	14,107	86,519
■ Actuarial Value of Assets <sup>20</sup>	3,677	716	4,393
Unfunded Actuarial Accrued Liability	68,736	13,391	82,126

20	AVA	allocation	based	on AAL.
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# Cash & Implied Subsidy (Amounts in 000's)

	Cash Subsidy	Implied Subsidy	Total
■ 2015/16 ARC - \$			
• Normal Cost	\$ 2,702	\$ 1,008	\$ 3,710
UAAL Amortization	4,635	866	<u>5,501</u>
• Total	7,337	1,874	9,211



	County	Habitat	Children's Alliance	First 5	LAFCO	Total <sup>21</sup>		
■ PVB	-							
• Actives	\$ 61,758	\$ -	\$ 46	\$170	\$136	\$ 62,110		
• Retirees	55,364	<u>77</u>			9	55,450		
• Total	117,122	77	46	170	145	117,560		
■ AAL								
• Actives	30,909	-	27	79	55	31,069		
• Retirees	<u>55,364</u>	<u>77</u>			9	<u>55,450</u>		
• Total	86,273	77	27	79	64	86,519		
$\blacksquare AVA^{22}$	4,381	4	_1	4	3	<u>4,393</u>		
■ UAAL	81,892	73	26	75	61	82,126		
■ 2015/16 Normal Cost	3,684	-	2	14	9	3,710		
■ 2015/16 Pay-Go	5,105	7	-	-	1	5,113		

## Funded Status by Agency (Amounts in 000's)

<sup>21</sup> Includes 3 LAFCO actives, 1 LAFCO retiree, 1 Children's Alliance active, 5 First Five actives, and 1 Habitat retiree.

<sup>22</sup> AVA allocation based on AAL.

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### RESULTS

## Annual Required Contributions (ARC) by Agency

(Amounts in 000's)	

			Children's			
	County	Habitat	Alliance	First 5	LAFCO	Total
■ 2015/16 ARC - \$						
• Normal Cost	\$ 3,684	\$ -	\$ 2	\$ 14	\$9	\$ 3,710
• UAAL Amort <sup>23</sup>	<u>5,486</u>	<u>5</u>	_2	4	3	<u>5,501</u>
• Total	9,211	5	4	18	12	9,211
Projected Payroll	95,044	-	96	398	243	95,781
■ 2015/16 ARC - %						
Normal Cost	3.9%	n/a	2.1%	3.5%	3.7%	3.9%
UAAL Amort	<u>5.8%</u>	<u>n/a</u>	<u>1.6%</u>	<u>1.0%</u>	<u>1.4%</u>	<u>5.7%</u>
• Total	9.6%	n/a	3.7%	4.5%	5.1%	9.6%

<sup>23</sup> Allocated between employee groups in proportion to the AAL.



## **ACTUARIAL CERTIFICATION**

This report presents the County of Yolo Retiree Healthcare Plan ("Plan") June 30, 2016 actuarial valuation. The purpose of this valuation is to:

- Determine the Governmental Accounting Standards Board Statement Nos. 43 and 45 June 30, 2016 Benefit Obligations,
- Determine the Plan's June 30, 2016 Funded Status, and
- Calculate the 2015/16 and 2016/17 Annual Required Contributions.

The report provides information intended for reporting under GASB 43 and 45, but may not be appropriate for other purposes. Information provided in this report may be useful to the County for the Plan's financial management. Future valuations may differ significantly if the Plan's experience differs from our assumptions or if there are changes in Plan design, actuarial methods, or actuarial assumptions. The project scope did not include an analysis of this potential variation.

The valuation is based on Plan provisions, participant data, and asset information provided by the County as summarized in this report, which we relied on and did not audit. We reviewed the participant data for reasonableness.

To the best of my knowledge, this report is complete and accurate and has been conducted using generally accepted actuarial principles and practices. Additionally, in my opinion, actuarial methods and assumptions comply with GASB 43 and 45. As a member of the American Academy of Actuaries meeting the Academy Qualification Standards, I certify the actuarial results and opinions herein.

Respectfully submitted,

Doug Pryor, ASA, EA, MAAA Vice President Bartel Associates, LLC November 11, 2016

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Bay Area								
	Non	-Medicare l	Eligible	Medicare Eligible				
Medical Plan	Single	2-Party	Family	Single	2-Party	Family		
Anthem Select	\$ 721.79	\$ 1,443.58	\$ 1,876.65	n/a	n/a	n/a		
Anthem Traditional	855.42	1,710.84	2,224.09	n/a	n/a	n/a		
Blue Shield Access+	1,016.18	2,032.36	2,642.07	n/a	n/a	n/a		
Blue Shield NetValue	1,033.86	2,067.72	2,688.04	n/a	n/a	n/a		
Health Net SmartCare	808.44	1,616.88	2,101.94	n/a	n/a	n/a		
Kaiser	746.47	1,492.94	1,940.82	\$ 297.23	\$ 594.46	\$ 891.69		
UnitedHealthcare	955.44	1,910.88	2,484.14	320.98	641.96	962.94		
PERS Choice	798.36	1,596.72	2,075.74	366.38	732.76	1,099.14		
PERS Select	730.07	1,460.14	1,898.18	366.38	732.76	1,099.14		
PERSCare	889.27	1,778.54	2,312.10	408.04	816.08	1,224.12		
PORAC	699.00	1,399.00	1,789.00	442.00	881.00	1,408.00		

## **2016 PEMHCA Monthly Premiums**

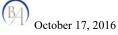
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#### PREMIUMS

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## **2017 PEMHCA Monthly Premiums**

Bay Area								
	Non	-Medicare l	Eligible	Me	dicare Eli	gible		
Medical Plan	Single	2-Party	Family	Single	2-Party	Family		
Anthem Select	\$ 783.46	\$ 1,566.92	\$ 2,037.00	n/a	n/a	n/a		
Anthem Traditional	990.05	1,980.10	2,574.13	n/a	n/a	n/a		
Blue Shield Access+	1,024.85	2,049.70	2,664.61	n/a	n/a	n/a		
Health Net SmartCare	733.29	1,466.58	1,906.55	n/a	n/a	n/a		
Kaiser	733.39	1,466.78	1,906.81	\$ 300.48	\$ 600.96	\$ 901.44		
UnitedHealthcare	1,062.26	2,124.52	2,761.88	324.21	648.42	972.63		
PERS Choice	830.30	1,660.60	2,158.78	353.63	707.26	1,060.89		
PERS Select	736.27	1,472.54	1,914.30	353.63	707.26	1,060.89		
PERSCare	932.39	1,864.78	2,424.21	389.76	779.52	1,169.28		
PORAC	699.00	1,467.00	1,876.00	464.00	924.00	1,477.00		



Sacramento								
	Non	-Medicare l	Eligible	Medicare Eligible				
Medical Plan	Single	2-Party	Family	Single	2-Party	Family		
Anthem Select	\$ 902.07	\$ 1,804.14	\$ 2,345.38	n/a	n/a	n/a		
Anthem Traditional	1,112.54	2,225.08	2,892.60	n/a	n/a	n/a		
Blue Shield Access+	885.33	1,770.66	2,301.86	n/a	n/a	n/a		
Blue Shield NetValue	900.73	1,801.46	2,341.90	n/a	n/a	n/a		
Health Net SmartCare	747.55	1,495.10	1,943.63	n/a	n/a	n/a		
Kaiser	695.11	1,390.22	1,807.29	\$ 297.23	\$ 594.46	\$ 891.69		
UnitedHealthcare	686.36	1,372.72	1,784.54	320.98	641.96	962.94		
PERS Choice	727.58	1,455.16	1,891.71	366.38	732.76	1,099.14		
PERS Select	665.35	1,330.70	1,729.91	366.38	732.76	1,099.14		
PERSCare	810.40	1,620.80	2,107.04	408.04	816.08	1,224.12		
PORAC	699.00	1,399.00	1,789.00	442.00	881.00	1,408.00		

## **2016 PEMHCA Monthly Premiums**

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PREMIUM	[S

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## **2017 PEMHCA Monthly Premiums**

Sacramento								
	Non	-Medicare l	Eligible	Me	dicare Eli	gible		
Medical Plan	Single	2-Party	Family	Single	2-Party	Family		
Anthem Select	\$ 907.08	\$ 1,814.16	\$ 2,358.41	n/a	n/a	n/a		
Anthem Traditional	1,286.41	2,572.82	3,344.67	n/a	n/a	n/a		
Blue Shield Access+	859.42	1,718.84	2,234.49	n/a	n/a	n/a		
Health Net SmartCare	672.66	1,345.32	1,748.92	n/a	n/a	n/a		
Kaiser	690.56	1,381.12	1,795.46	\$ 300.48	\$ 600.96	\$ 901.44		
UnitedHealthcare	756.78	1,513.56	1,967.63	324.21	648.42	972.63		
PERS Choice	723.47	1,446.94	1,881.02	353.63	707.26	1,060.89		
PERS Select	641.47	1,282.94	1,667.82	353.63	707.26	1,060.89		
PERSCare	812.40	1,624.80	2,112.24	389.76	779.52	1,169.28		
PORAC	699.00	1,467.00	1,876.00	464.00	924.00	1,477.00		



	Misc	Safety	Total
Actives			
• Count	1,138	289	1,427
• Average age	43.2	40.5	42.7
Average County service	9.1	10.1	9.3
• Average pay	\$ 66,600	\$ 69,300	\$ 67,100
• Total payroll (000's)	75,746	20,035	95,781
Retirees			
• Counts			
➤ Medical Under 65	154	37	191
➢ Medical Over 65	429	65	<u>494</u>
➤ Total Medical	583	102	685 <sup>27</sup>
➤ Dental only	<u>n/a</u>	<u>n/a</u>	<u>294</u>
≻ Total	n/a	n/a	979
• Average age (medical)	70.6	68.4	70.3
• Average ret age (service)	60.2	58.0	60.0

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June 30, 2016

<sup>27</sup> Includes 645 with dental.

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	DATA SUMMARY						
<u>June 30, 2014</u>							
	Misc	Safety	Total				
Actives							
• Count	1,033	281	1,314				
• Average age	44.3	40.3	43.5				
Average County service	9.8	10.3	9.9				
Average pay	\$ 62,700	\$ 67,500	\$ 63,700				
• Total payroll (000's)	64,795	18,958	83,753				
Retirees							
• Counts							
Medical Under 65	188	32	220				
Medical Over 65	384	63	447				
> Total Medical	572	<u>63</u> 95	$\overline{667}^{28}$				
> Dental only	n/a	n/a	<u>308</u>				
-							

<sup>28</sup> Includes 631 with dental.

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≻ Total

• Average age (medical)

• Average ret age (service)



975

69.5

59.6

n/a

67.5

56.5

n/a

69.9

60.1



		Retir	·ees
Medical Plan	Actives	< 65	≥65
Anthem Select	1%	1%	-
Anthem Traditional	1%	-	-
Blue Shield Access+	4%	7%	-
Blue Shield NetValue	10%	19%	-
Health Net SmartCare	9%	9%	-
Kaiser	42%	26%	28%
UnitedHealthcare	27%	11%	43%
PERS Choice	4%	20%	20%
PERS Select	1%	2%	-
PERSCare	1%	4%	9%
PORAC	0%	1%	-
Total	100%	100%	100%

## **Medical Plan Participation** Non-Waived Participants

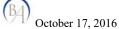
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## DATA SUMMARY

## **Active Medical Coverage**

Medical Plan	Single	2-Party	Family	Waived	Total
Anthem Select	4	2	1	-	7
Anthem Traditional	4	-	2	-	6
Blue Shield Access+	23	8	9	-	40
Blue Shield NetValue	34	35	40	-	109
Health Net SmartCare	34	25	41	-	100
Kaiser	166	100	207	-	473
UnitedHealthcare	95	53	165	-	313
PERS Choice	22	11	18	-	51
PERS Select	9	-	6	-	15
PERSCare	4	-	3	-	7
PORAC	1	1	1	-	3
Waived	-	-	-	303	303
Total	396	235	493	303	1,427





Medical Plan	Single	2-Party	Family	Total
Anthem Select	1	-	-	1
Blue Shield Access+	11	2	1	14
Blue Shield NetValue	28	6	3	37
Health Net SmartCare	12	4	2	18
Kaiser	32	11	8	51
United HealthCare	8	11	2	21
PERS Choice	24	11	3	38
PERS Select	-	2	1	3
PERSCare	6	1	-	7
PORAC	-	1	-	1
Total	122	49	20	191

## Retiree Medical Coverage Under Age 65

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DATA SUMMARY

## Retiree Medical Coverage Over Age 65

Medical Plan	Single	2-Party	Family	Total
Anthem Select	-	-	-	-
Blue Shield Access+	3	-	-	3
Blue Shield NetValue	-	-	-	-
Health Net SmartCare	-	-	-	-
Kaiser	92	40	4	136
United HealthCare	129	76	5	210
PERS Choice	58	38	1	97
PERS Select	-	1	-	1
PERSCare	33	13	1	47
PORAC	-	-	-	-
Total	315	168	11	494



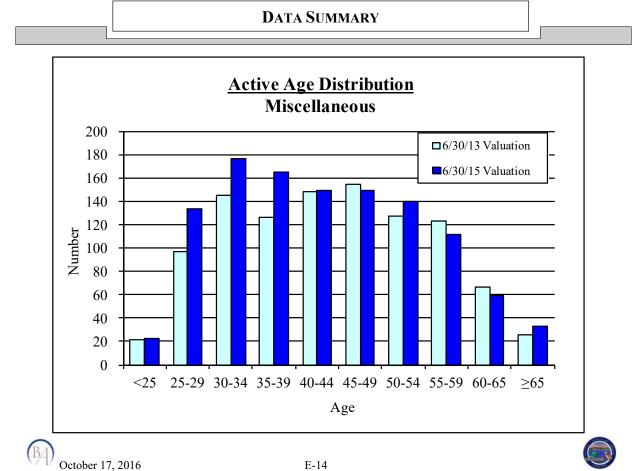


	County Service								
Age	< 1	1-4	5-9	10-14	15-19	20-24	≥25	Total	
< 25	11	12	-	-	-	-	-	23	
25-29	39	90	4	-	-	-	-	133	
30-34	29	94	41	12	-	-	-	176	
35-39	21	57	35	34	18	-	-	165	
40-44	13	33	33	39	27	4	-	149	
45-49	12	27	28	32	33	12	5	149	
50-54	8	17	24	28	27	13	23	140	
55-59	3	12	22	24	26	8	16	111	
60-64	3	4	14	10	13	5	10	59	
≥65	-	3	4	10	7	4	5	33	
Total	139	349	205	189	151	46	59	1,138	

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## Actives by Age and County Service Miscellaneous

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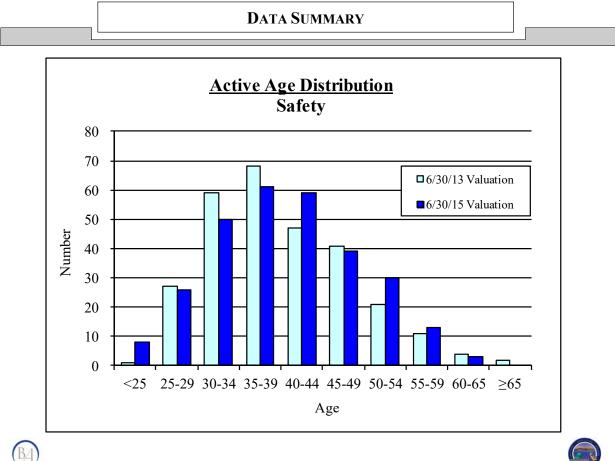


	County Service								
Age	<1	1-4	5-9	10-14	15-19	20-24	≥25	Total	
< 25	6	2	-	-	-	-	-	8	
25-29	10	14	2	-	-	-	-	26	
30-34	9	13	18	10	-	-	-	50	
35-39	3	12	17	25	4	-	-	61	
40-44	2	5	14	21	16	1	-	59	
45-49	3	2	4	9	9	10	2	39	
50-54	1	4	3	5	7	6	4	30	
55-59	2	1	2	3	2	1	2	13	
60-64	-	-	-	-	-	3	-	3	
≥65	-	-	-	-	-	-	-	-	
Total	36	53	60	73	38	21	8	289	

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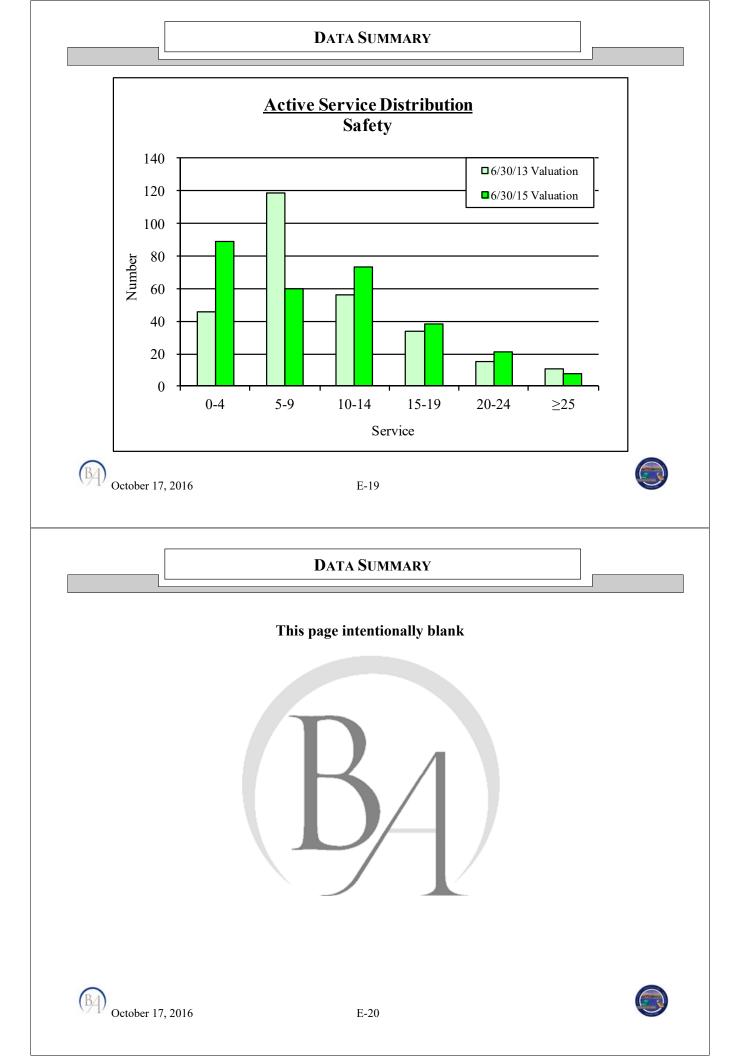
# <u>Actives by Age and County Service</u> Safety

B October 17, 2016



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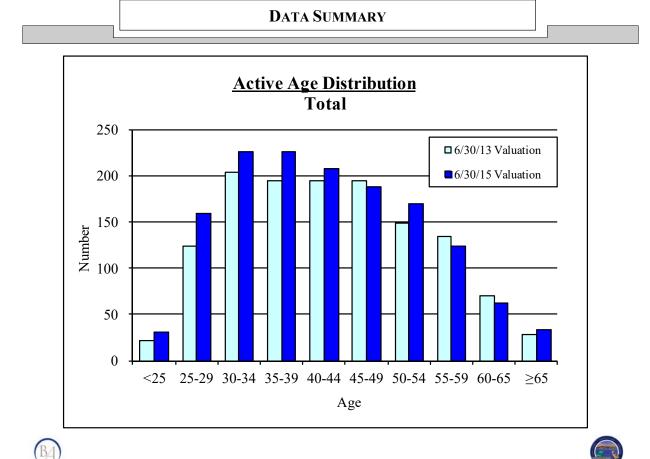


	County Service								
Age	< 1	1-4	5-9	10-14	15-19	20-24	≥25	Total	
< 25	17	14	-	-	-	-	-	31	
25-29	49	104	6	-	-	-	-	159	
30-34	38	107	59	22	-	-	-	226	
35-39	24	69	52	59	22	-	-	226	
40-44	15	38	47	60	43	5	-	208	
45-49	15	29	32	41	42	22	7	188	
50-54	9	21	27	33	34	19	27	170	
55-59	5	13	24	27	28	9	18	124	
60-64	3	4	14	10	13	8	10	62	
≥65	-	3	4	10	7	4	5	33	
Total	175	402	265	262	189	67	67	1,427	

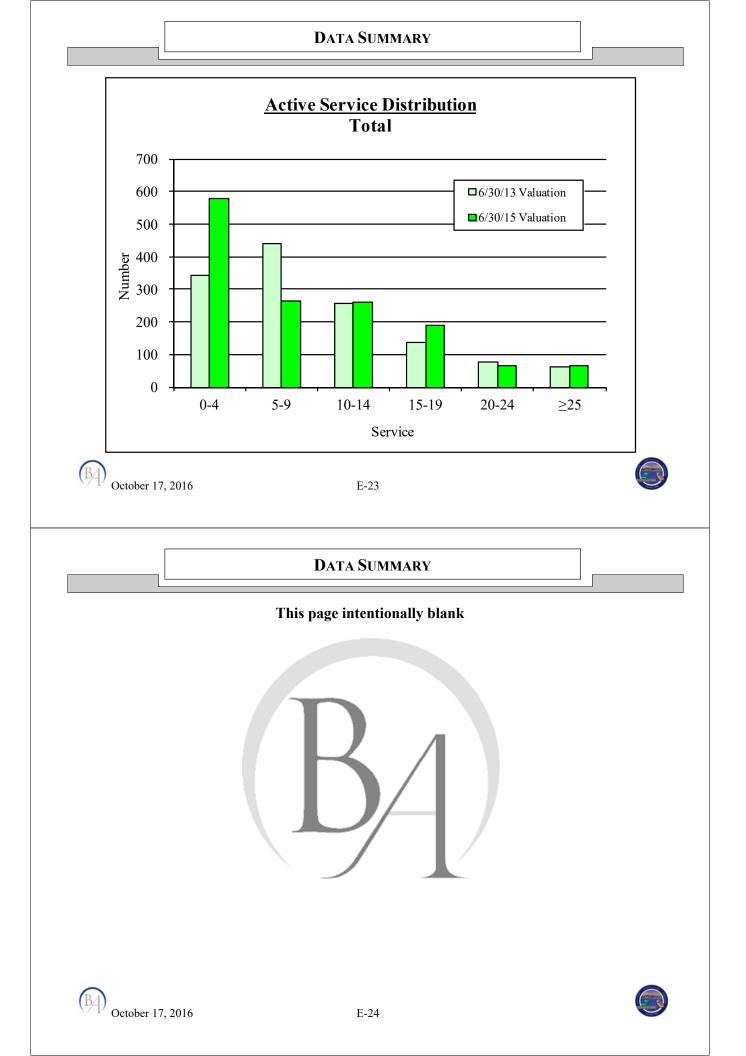
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## Actives by Age and County Service Total

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<b>DATA SUMMARY</b>
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Age	Single	2-Party	Family	Total
Under 50	-	-	1	1
50-54	6	-	1	7
55-59	20	12	4	36
60-64	72	30	8	110
65-69	97	65	4	166
70-74	66	38	3	107
75-79	46	21	2	69
80-84	40	4	-	44
Over 85	40	3	-	43
Total	387	173	23	583
Average Age	71.7	69.0	63.3	71.3

## **<u>Retiree Medical Coverage by Age Group</u>** Miscellaneous

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**DATA SUMMARY** 

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## **<u>Retiree Medical Coverage by Age Group</u>** Safety

Age	Single	2-Party	Family	Total
Under 50	-	-	1	1
50-54	5	1	3	9
55-59	11	1	-	12
60-64	8	5	2	15
65-69	6	9	1	16
70-74	10	12	1	23
75-79	7	9	-	16
80-84	3	4	-	7
Over 85	-	3	-	3
Total	50	44	8	102
Average Age	66.3	72.6	58.1	66.7



#### **ASSET ALLOCATION**

## Asset Allocation (Amounts in 000's)

	Target Allocation <sup>29</sup>
<ul> <li>Total Fixed</li> </ul>	
(fixed + inflation linked)	30% - 50%
■ Cash	0% - 20%
<ul> <li>Global Equities</li> </ul>	50% - 70%

<sup>29</sup> Balanced/Moderately Aggressive HighMark PLUS investment Strategy.

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## **ASSET ALLOCATION**

## **PARS Standard Investment Options**

	Capital Appreciation	Balanced	Moderate	Moderately Conservative	Conservative
<ul> <li>Target Allocation</li> </ul>					
• Equity	75%	60%	50%	30%	15%
<ul> <li>Fixed Income</li> </ul>	20%	35%	45%	65%	80%
• Cash	5%	<u> </u>	5%	5%	5%
• Total	100%	100%	100%	100%	100%
<ul> <li>Median Return</li> </ul>	7.39%	6.88%	6.48%	5.67%	5.00%
<ul> <li>Discount Rate- Confidence Level</li> </ul>					
• 50%	7.50%	7.00%	6.50%	5.75%	5.00%
• 55%	7.00%	6.50%	6.25%	5.50%	4.75%
• 60%	6.75%	6.25%	6.00%	5.25%	4.50%



#### **ACTUARIAL ASSUMPTIONS**

Assumption	June 30, 2014 Valuation			June 30, 2016 Valuation				
■ General Inflation	• 3.00%			• Same				
■ Service Retirement	CalPERS 1997-2011     Experience Study			CalPERS 1997-2011     Experience Study				
	Tier 1 ERA PEPRA ERA	Safety 3%@55 ≈ 56.7 2.7%@57 ≈ 56.8	Safety – <u>Sheriffs</u> 3%@50 $\approx 54.2$ 2.7%@57 $\approx 56.8$		Tier 1 ERA PEPRA ERA	Safety 3%@55 ≈ 57.6 2.7%@57 ≈ 58.0	Safety - Sheriffs = 3%@50 = 54.5 = 2.7%@57 = 57.6	$\frac{\text{Misc}}{2.5\%@55} \approx 60.4$ $2\%@62 \approx 61.5$
Dental Participation at Retirement	• 1009	%			• Sam	ie		
Dental Claim Increases	• 3.00	%			• Sam	ie		

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### **ACTUARIAL ASSUMPTIONS**

Assumption	June 30, 2014 Valuation	June 30, 2016 Valuation
Medical Plan at Retirement	<ul> <li>Currently covered: same as current election</li> <li>Currently waived: weighted average based on current retiree distribution</li> </ul>	• Same
Payroll Increases	<ul> <li>Aggregate Increases: 3.25%</li> <li>Merit Increases: CalPERS 1997-2011 Experience Study</li> </ul>	• Same
■ CalPERS Service	• County service plus ½ service between age 30 and County hire date	• Same
<ul> <li>CalPERS Premium Cap Calculations</li> </ul>	<ul><li>Assume correct caps apply.</li><li>No adjustment for retroactive refund.</li></ul>	• Same



#### **ACTUARIAL ASSUMPTIONS**

Assumption	June 30, 2014 Valuation	June 30, 2016 Valuation		
■ Spouse Age	• Males 3 years older than females if spouse birth date is unavailable	• Same		
<ul> <li>Surviving Spouse Participation</li> </ul>	• 100% participation	• Same		
■ Dependents	<ul> <li>Actives:</li> <li>Miscellaneous: 10%</li> <li>Safety: 20%</li> <li>Temporary until age 65</li> <li>Retirees: current coverage</li> </ul>	• Same		
Medicare Eligible Rate	<ul> <li>100%</li> <li>Everyone eligible for Medicare will elect Part B coverage</li> </ul>	• Same		

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 ACTUARIAL ASSUMPTIONS
 June 30, 2014 Valuation
 June 30, 2016 Valuation
 Future New
 None – closed group
 Same

Entrants



