

2/9/21

B2

B

SOCIATES, LLC

CITY OF SANTA CLARA MISCELLANEOUS AND SAFETY PLANS

CalPERS Actuarial Analysis - 6/30/19 Valuation

Item

#1

Doug Pryor, Vice President Bianca Lin, Assistant Vice President Matthew Childs, Actuarial Analyst **Bartel Associates, LLC**

February 9, 2021

Contents	
Topic	Page
Background	1
Miscellaneous Plan:	
Historical Information	11
Projections	21
Safety Plan:	
Historical Information	27
Projections	37
Combined Miscellaneous and Safety	43
Leaving CalPERS	45
Irrevocable Supplemental (§115) Pension trust	47
Definitions	51
Actuarial Certification	53

o:\clients\city of santa clara\projects\calpers\6-30-19\ba santaclaraci 21-02-09 calpers misc safety 19.docx

POST MEETING MATERIAL











	1999	2009	2018	2019
Actives				
Counts	664	663	713	745
Average				
• Age	46	46	45	45
City Service	12	12	9	9
 PERSable Wages 	\$ 61,200	\$ 85,100	\$ 107,600	\$ 109,500
Total PERSable Wages	40,700,000	56,400,000	76,700,000	81,600,000
nactive Members				
Counts	1.47	224	245	252
• Transferred	147	149	243	233
• Separated	80	140		
• Retired		552	785	820
		333	103	620
□ Disability		62	60	00
□ Beneficiaries	1 50000	107	108	116
∐ Total	492	722	958	1,002
Average Annual City Provided		20.400	44 000	16 500
Benefit for Service Retirees		1 30,400	44,000	40,500
representative of benefits for long-set February 9, 2021	ervice employees 11 GRAPHIC INF	ORMATION - I	MISCELLANE	ous
representative of benefits for long-set February 9, 2021 SUMMARY OF DEMO	ervice employees	ORMATION - I	MISCELLANE	
representative of benefits for long-site February 9, 2021 SUMMARY OF DEMO 1,200 1,000	ervice employees 11 GRAPHIC INF	ORMATION - I	VIISCELLANE	
representative of benefits for long-set February 9, 2021 SUMMARY OF DEMO 1,200 1,000 800	ervice employees	ORMATION - I		
representative of benefits for long-site February 9, 2021	ervice employees			
representative of benefits for long-site February 9, 2021	ervice employees			









Equivalent to 8.3% of UAL. One year, 7% interest on the UAL is 24.3% of payroll.

February 9, 2021



) February 9, 2021

















Equivalent to 7.2% of UAL. One year, 7% interest on the UAL is 38.2% of payroll.

February 9, 2021

B

Maultat Value Investment	t Dotum.		
 Market Value Investmen June 20, 2020 	II KEIUIII.		1 70/9
 Julie 30, 2020 Euture returns based 	on stachastic analysi	a using 1 000 trial	·+. / /0
Future returns based	at 10 25th Davaget	the 50th Demonstile	75th Doroontilo
Single Year Keturns	$\frac{at^{-2}}{25^{-1}} \frac{25^{-1}}{25^{-1}} \frac{10}{25^{-1}}$		14 99/
Current Investment		7.0%	14.070
Ultimate Investmen	t Mix 0.8%	0.0%	
 Assumes investment 	t returns will, general	ly be 6.5% (as con	pared to 7.0%)
over the next 8 years	s and higher beyond t	hat.	
Discount Rate decreases	due to Risk Mitigatio	n policy	
No Other: Gains/Losses,	Method/Assumption	Changes, Benefit	Improvements
 Different from CalPERS 	projection		
⁹ Gross return based on July 2020 CalPE	ERS press release	than the indicated rates	
	our triais result in returns lower	than the indicated faces.	
B_()	27		
rebluary 9, 2021	51		
CONTR	IBUTION PROJECTION	NS - SAFETY	
New hire assumptions:			
• 95.0% of 2020/21 no	ew hires are PEPRA	members and 5.0%	are Classic
members			
• Percentage of PEPR	A member future hire	es to increase from	95.0% to 100%
over 2 years			
■ 6/30/19 employee distrik	nution:		
Benefi	it Tier	Count	6/30/19 Payro
• 3%@50 FAE1 Police	e	118	\$22,108,300
• 3%@50 FAE3 Fire	<u> </u>	103	19.017.000
• 2.7%@57 FAE3 (PF	(PRA) Police	35	4,624,200
• 2.7%@57 FAE3 (PE	(PRA) Fire	40	5,051,400
EE Cost Sharing:			-,,
Dalias Safaty Classi	c employees nav 2 25	% toward employ	er rates
Philip Salaton lacer	V VIIDIO YVVD DUY 4.40	, un vinpioy	TA ANOVED









B



LEAVING CALPERS

- Participation in CalPERS is governed by State law and CalPERS rules
- The following are considered "withdrawing" from CalPERS:
 - Exclude new hires from CalPERS & giving them a different pension
 - Stop accruing benefits for current employees
- "Withdrawal" from CalPERS:
 - Treated as plan termination
 - Liability increased for conservative investments
 - Liability increased for future demographic fluctuations
 - Liability must be funded immediately by withdrawing agency
 - Otherwise, retiree benefits are cut



45

LEAVING CALPERS

CalPERS Termination Estimates on June 30, 2019 (Amounts in Millions)

	Ongoing Plan	Terminat	tion Basis					
Discount Rate	7.00%	1.75%	3.25%					
Miscellaneous								
Actuarial Accrued Liability	\$ 786	\$ 1,514	\$ 1,230					
Assets	<u>479</u>	<u> 479</u>	<u> 479</u>					
Unfunded AAL (UAAL)	307	1,035	751					
Safety								
Actuarial Accrued Liability	\$ 823	\$ 1,704	\$ 1,358					
Assets	<u>528</u>	_528	_528					
Unfunded AAL (UAAL)	295	1,176	830					
Total								
Unfunded AAL (UAAL)	602	2,211	1,581					
Funded Ratio	62.6%	31.3%	38.9%					











This report presents analysis of the City of Santa Clara's CalPERS pension plans. The purpose of this report is to provide the City:

- Historical perspective on the plan investment returns, assets, funded status and contributions.
- Projections of likely future contributions and the impact of investment volatility

The calculations and projections in this report are based on information contained in the City's June 30, 2019 and earlier CalPERS actuarial valuation reports. We reviewed this information for reasonableness, but do not make any representation on the accuracy of the CalPERS reports.

Future investment returns and volatility are based on Bartel Associates Capital Market model which results in long term returns summarized on pages 23 and 41.

Future results may differ from our projections due to differences in actual experience as well as changes in plan provisions, CalPERS actuarial assumptions or methodology. Other than variations in investment return, this study does not analyze these.

To the best of our knowledge, this report is complete and accurate and has been conducted using generally accepted actuarial principles and practices. As members of the American Academy of Actuaries meeting the Academy Qualification Standards, we certify the actuarial results and opinions herein.

Respectfully submitted,

Daug Olyn

Doug Pryor, ASA, EA, MAAA Vice President Bartel Associates, LLC February 9, 2021

February 9, 2021

Bianca Lin

Bianca Lin, FSA, EA, MAAA Assistant Vice President Bartel Associates, LLC February 9, 2021



53