

RECONCILIATION OF EMPLOYER CONTRIBUTION RATES

Change in Normal Cost Rate from 2017-18 to 2018-19 for the Retirement Program

	State Miscellaneous	State Industrial	State Safety	State Peace Officers and Firefighters	California Highway Patrol
2017-18 Normal Cost Rate	8.981%	10.377%	11.429%	16.586%	16.760%
Effect of (Gain)/Loss	(0.142%)	(0.227%)	(0.324%)	(0.347%)	(0.257%)
Effect of Change in Assumptions	0.513%	(0.356%)	0.890%	0.893%	1.211%
2018-19 Normal Cost Rate	9.352%	9.794%	11.995%	17.132%	17.714%

Change in Unfunded Liability Amortization Rate from 2017-18 to 2018-19 for the Retirement Program

	State Miscellaneous	State Industrial	State Safety	State Peace Officers and Firefighters	California Highway Patrol
2017-18 Rate to Amortize the Unfunded Liability	19.322%	9.150%	7.963%	26.012%	36.025%
Effect of Progression of Amortization Bases and Change in Payroll	1.596%	1.263%	0.841%	1.586%	1.725%
Effect of (Gain)/Loss	(0.301%)	(0.310%)	(0.284%)	(0.337%)	(0.327%)
Effect of Change in Assumptions	0.175%	0.123%	0.248%	0.515%	0.194%
Effect of SB 84 Additional Contribution	(0.872%)	(0.470%)	(0.412%)	(1.184%)	(1.527%)
2018-19 Rate to Amortize the Unfunded Liability	19.920%	9.756%	8.357%	26.592%	36.091%

Change in Group Term Life Rate from 2017-18 to 2018-19

	State Miscellaneous	State Industrial	State Safety	State Peace Officers and Firefighters	California Highway Patrol
2017-18 Group Term Life Rate	0.022%	0.000%	0.010%	0.000%	0.000%
Effect of (Gain)/Loss	0.019%	0.000%	(0.010%)	0.000%	0.000%
Effect of Change in Assumptions	(0.015%)	0.000%	0.000%	0.000%	0.000%
2018-19 Group Term Life Rate	0.026%	0.000%	0.000%	0.000%	0.000%

Change in Total Rate from 2017-18 to 2018-19

	State Miscellaneous	State Industrial	State Safety	State Peace Officers and Firefighters	California Highway Patrol
2017-18 Employer Rates	28.325%	19.527%	19.402%	42.598%	52.785%
Effect of Progression of Amortization Bases and Change in Payroll	1.596%	1.263%	0.841%	1.586%	1.725%
Effect of (Gain)/Loss	(0.424%)	(0.537%)	(0.618%)	(0.684%)	(0.584%)
Effect of Change in Assumptions	0.673%	(0.233%)	1.138%	1.408%	1.405%
Effect of SB 84 Additional Contribution	(0.872%)	(0.470%)	(0.412%)	(1.184%)	(1.527%)
2018-19 Employer Rates	29.298%	19.550%	20.352%	43.724%	53.805%

RECONCILIATION OF EMPLOYER CONTRIBUTIONS

Change in Normal Cost Contribution from 2017-18 to 2018-19 for the Retirement Program

	State Miscellaneous	State Industrial	State Safety	State Peace Officers and Firefighters	California Highway Patrol
2017-18 Normal Cost Contribution	\$1,077,343,417	\$69,683,821	\$256,627,820	\$569,489,822	\$142,047,577
Effect of Change in Payroll	35,961,096	1,955,604	5,492,246	30,251,176	8,734,303
Effect of (Gain)/Loss	(15,018,285)	(1,396,746)	(6,811,520)	(11,119,511)	(1,951,089)
Effect of Change in Assumptions	60,921,521	(2,628,096)	19,792,529	30,862,582	10,533,780
2018-19 Normal Cost Contribution	\$1,159,207,749	\$67,614,583	\$275,101,075	\$619,484,069	\$159,364,571

Change in Unfunded Liability Amortization Contribution from 2017-18 to 2018-19 for the Retirement Program

	State Miscellaneous	State Industrial	State Safety	State Peace Officers and Firefighters	California Highway Patrol
2017-18 Amortization of the Unfunded Liability	\$2,317,753,705	\$61,447,552	\$178,810,085	\$893,140,457	\$305,327,944
Effect of Progression of Amortization Bases	281,509,135	10,615,475	23,596,455	107,238,032	35,117,142
Effect of (Gain)/Loss	(37,423,145)	(2,144,037)	(6,517,925)	(12,210,076)	(2,946,340)
Effect of Change in Assumptions	15,516,083	679,452	5,221,765	16,224,042	931,119
Effect of SB 84 Additional Contributions	(108,065,310)	(3,244,019)	(9,446,398)	(42,827,446)	(13,738,690)
2018-19 Amortization of the Unfunded Liability	\$2,469,290,467	\$67,354,423	\$191,663,982	\$961,565,009	\$324,691,175

Change in Group Term Life Rate from 2017-18 to 2018-19

	State Miscellaneous	State Industrial	State Safety	State Peace Officers and Firefighters	California Highway Patrol
2017-18 Group Term Life Contribution	\$2,638,986	\$0	\$224,541	\$0	\$0
Effect of Change in Payroll	88,091	0	4,806	0	0
Effect of (Gain)/Loss	4,208,082	0	(229,347)	0	0
Effect of Change in Assumptions	(3,712,251)	0	0	0	0
2018-19 Group Term Life Contribution	\$3,222,908	\$0	\$0	\$0	\$0

Change in Total Contribution from 2017-18 to 2018-19

	State Miscellaneous	State Industrial	State Safety	State Peace Officers and Firefighters	California Highway Patrol
2017-18 Employer Contribution	\$3,397,736,108	\$131,131,373	\$435,662,446	\$1,462,630,279	\$447,375,521
Effect of Change in Payroll and Progression of Amortization Bases	317,558,322	12,571,079	29,093,507	137,489,208	43,851,445
Effect of (Gain)/Loss	(48,233,348)	(3,540,783)	(13,558,792)	(23,329,587)	(4,897,429)
Effect of Change in Assumptions	72,725,353	(1,948,644)	25,014,294	47,086,624	11,464,899
Effect of SB 84 Additional Contributions	(108,065,310)	(3,244,019)	(9,446,398)	(42,827,446)	(13,738,690)
2018-19 Employer Contribution	\$3,631,721,124	\$134,969,006	\$466,765,057	\$1,581,049,078	\$484,055,746