

RECONCILIATION OF EMPLOYER CONTRIBUTION RATES

Change in Normal Cost Rate from 2016-17 to 2017-18 for the Retirement Program

	State Miscellaneous	State Industrial	State Safety	State Peace Officers and Firefighters	California Highway Patrol
2016-17 Normal Cost Rate	8.720%	10.213%	11.298%	16.234%	16.000%
Effect of (Gain)/Loss	(0.185%)	(0.316%)	(0.376%)	(0.447%)	(0.084%)
Effect of Change in Assumptions	0.446%	0.480%	0.507%	0.799%	0.844%
2017-18 Normal Cost Rate	8.981%	10.377%	11.429%	16.586%	16.760%

Change in Unfunded Liability Amortization Rate from 2016-17 to 2017-18 for the Retirement Program

	State Miscellaneous	State Industrial	State Safety	State Peace Officers and Firefighters	California Highway Patrol
2016-17 Rate to Amortize the Unfunded Liability	17.914%	8.152%	7.404%	23.995%	32.701%
Effect of Progression of Amortization Bases and Change in Payroll	0.813%	0.418%	0.222%	1.231%	2.698%
Effect of (Gain)/Loss	0.543%	0.479%	0.263%	0.685%	0.578%
Effect of Change in Assumptions	0.052%	0.101%	0.074%	0.101%	0.048%
2017-18 Rate to Amortize the Unfunded Liability	19.322%	9.150%	7.963%	26.012%	36.025%

Change in Group Term Life Rate from 2016-17 to 2017-18

	State Miscellaneous	State Industrial	State Safety	State Peace Officers and Firefighters	California Highway Patrol
2016-17 Group Term Life Rate	0.000%	0.000%	0.051%	0.047%	0.018%
Effect of (Gain)/Loss	0.022%	0.000%	(0.041%)	(0.047%)	(0.018%)
Effect of Change in Assumptions	0.000%	0.000%	0.000%	0.000%	0.000%
2017-18 Group Term Life Rate	0.022%	0.000%	0.010%	0.000%	0.000%

Change in Total Rate from 2016-17 to 2017-18

	State Miscellaneous	State Industrial	State Safety	State Peace Officers and Firefighters	California Highway Patrol
2016-17 Employer Rates	26.634%	18.365%	18.753%	40.276%	48.719%
Effect of Progression of Amortization Bases and Change in Payroll	0.813%	0.418%	0.222%	1.231%	2.698%
Effect of (Gain)/Loss	0.380%	0.163%	(0.154%)	0.191%	0.476%
Effect of Change in Assumptions	0.498%	0.581%	0.581%	0.900%	0.892%
2017-18 Employer Rates	28.325%	19.527%	19.402%	42.598%	52.785%

RECONCILIATION OF EMPLOYER CONTRIBUTIONS

Change in Normal Cost Contribution from 2016-17 to 2017-18 for the Retirement Program

	State Miscellaneous	State Industrial	State Safety	State Peace Officers and Firefighters	California Highway Patrol
2016-17 Normal Cost Contribution	\$1,007,791,001	\$64,999,917	\$241,207,373	\$541,399,280	\$136,283,515
Effect of Change in Payroll	38,153,166	3,582,608	12,478,961	16,004,420	(677,237)
Effect of (Gain)/Loss	(22,150,416)	(2,122,009)	(8,442,739)	(15,348,001)	(711,933)
Effect of Change in Assumptions	53,549,666	3,223,305	11,384,225	27,434,123	7,153,232
2017-18 Normal Cost Contribution	\$1,077,343,417	\$69,683,821	\$256,627,820	\$569,489,822	\$142,047,577

Change in Unfunded Liability Amortization Contribution from 2016-17 to 2017-18 for the Retirement Program

	State Miscellaneous	State Industrial	State Safety	State Peace Officers and Firefighters	California Highway Patrol
2016-17 Amortization of the Unfunded Liability	\$2,070,440,804	\$51,880,397	\$158,082,300	\$800,210,022	\$278,538,368
Effect of Progression of Amortization Bases	175,881,167	5,669,202	13,159,731	65,943,492	21,486,480
Effect of (Gain)/Loss	65,173,333	3,218,502	5,898,479	23,518,729	4,898,388
Effect of Change in Assumptions	6,258,401	679,451	1,669,575	3,468,214	404,708
2017-18 Amortization of the Unfunded Liability	\$2,317,753,705	\$61,447,552	\$178,810,085	\$893,140,457	\$305,327,944

Change in Group Term Life Rate from 2016-17 to 2017-18

	State Miscellaneous	State Industrial	State Safety	State Peace Officers and Firefighters	California Highway Patrol
2016-17 Group Term Life Contribution	\$0	\$0	\$1,088,828	\$1,567,437	\$153,319
Effect of Change in Payroll	—	—	56,331	46,335	(762)
Effect of (Gain)/Loss	2,638,986	—	(920,618)	(1,613,772)	(152,557)
Effect of Change in Assumptions	—	—	—	—	—
2017-18 Group Term Life Contribution	\$2,638,986	\$0	\$224,541	\$0	\$0

Change in Total Contribution from 2016-17 to 2017-18

	State Miscellaneous	State Industrial	State Safety	State Peace Officers and Firefighters	California Highway Patrol
2016-17 Employer Contribution	\$3,078,231,805	\$116,880,314	\$400,378,501	\$1,343,176,739	\$414,975,202
Effect of Change in Payroll and Progression of Amortization Bases	214,034,333	9,251,810	25,695,023	81,994,247	20,808,481
Effect of (Gain)/Loss	45,661,903	1,096,493	(3,464,878)	6,556,956	4,033,898
Effect of Change in Assumptions	59,808,067	3,902,756	13,053,800	30,902,337	7,557,940
2017-18 Employer Contribution	\$3,397,736,108	\$131,131,373	\$435,662,446	\$1,462,630,279	\$447,375,521