

**Costa Mesa CalPERS Pensions
Summary
Based on 2015 Actuarial Valuations**

	Payments			Final Unfunded Payment Year	
	2016-17 Unfunded Balance	Normal/ Ongoing	Unfunded		TOTAL
Miscellaneous	\$82,670,117	\$151,945,444	\$180,463,562	\$332,409,006	2044-45
Police	\$106,475,201	\$186,120,562	\$269,380,902	\$455,501,464	2046-47
Fire	\$62,461,353	\$131,501,516	\$131,526,507	\$263,028,023	2046-47
TOTAL	\$251,606,671	\$469,567,522	\$581,370,971	\$1,050,938,493	

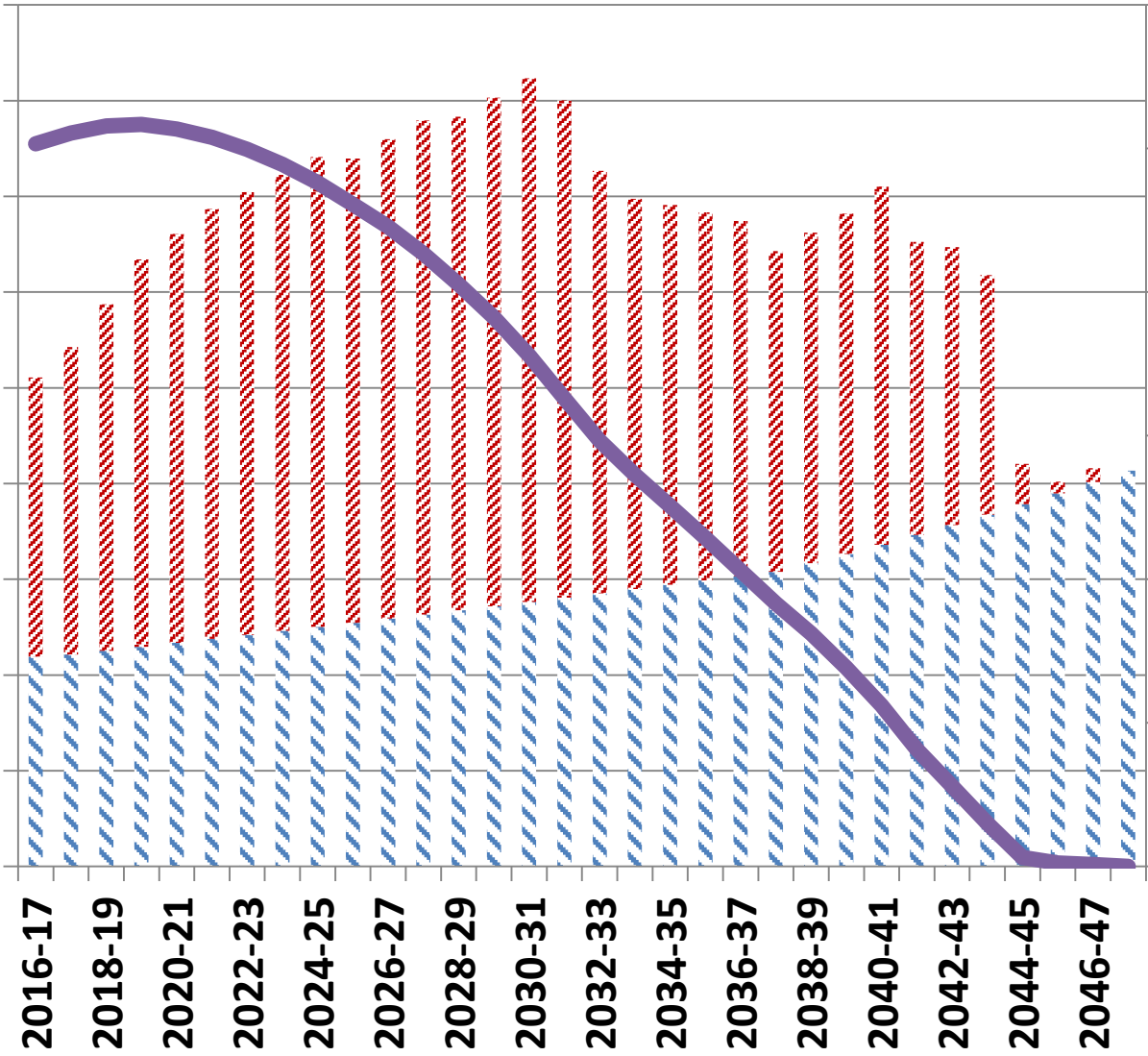
Costa Mesa PERS Total Payments and Unfunded Pensions

Payments

**Unfunded
Balance**

\$45,000,000
\$40,000,000
\$35,000,000
\$30,000,000
\$25,000,000
\$20,000,000
\$15,000,000
\$10,000,000
\$5,000,000
\$0

\$300,000,000
\$250,000,000
\$200,000,000
\$150,000,000
\$100,000,000
\$50,000,000
\$0



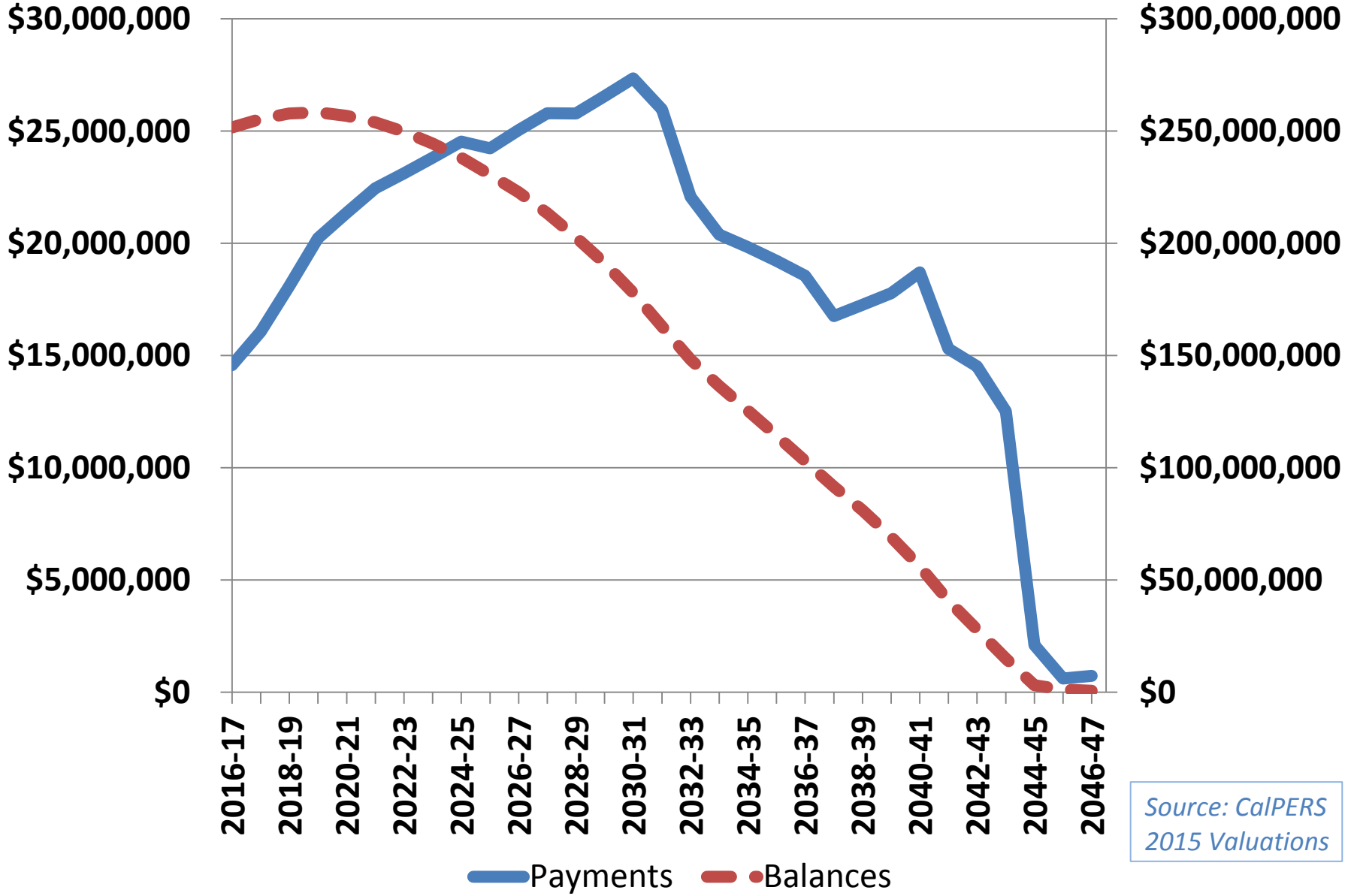
▨ Ongoing Pmts
 ▨ Unfunded Pmts
 — Unfunded

Source: CalPERS
2015 Valuations

Costa Mesa Unfunded PERS Pension Payments and Balances

Payments

Balance



Source: CalPERS
2015 Valuations

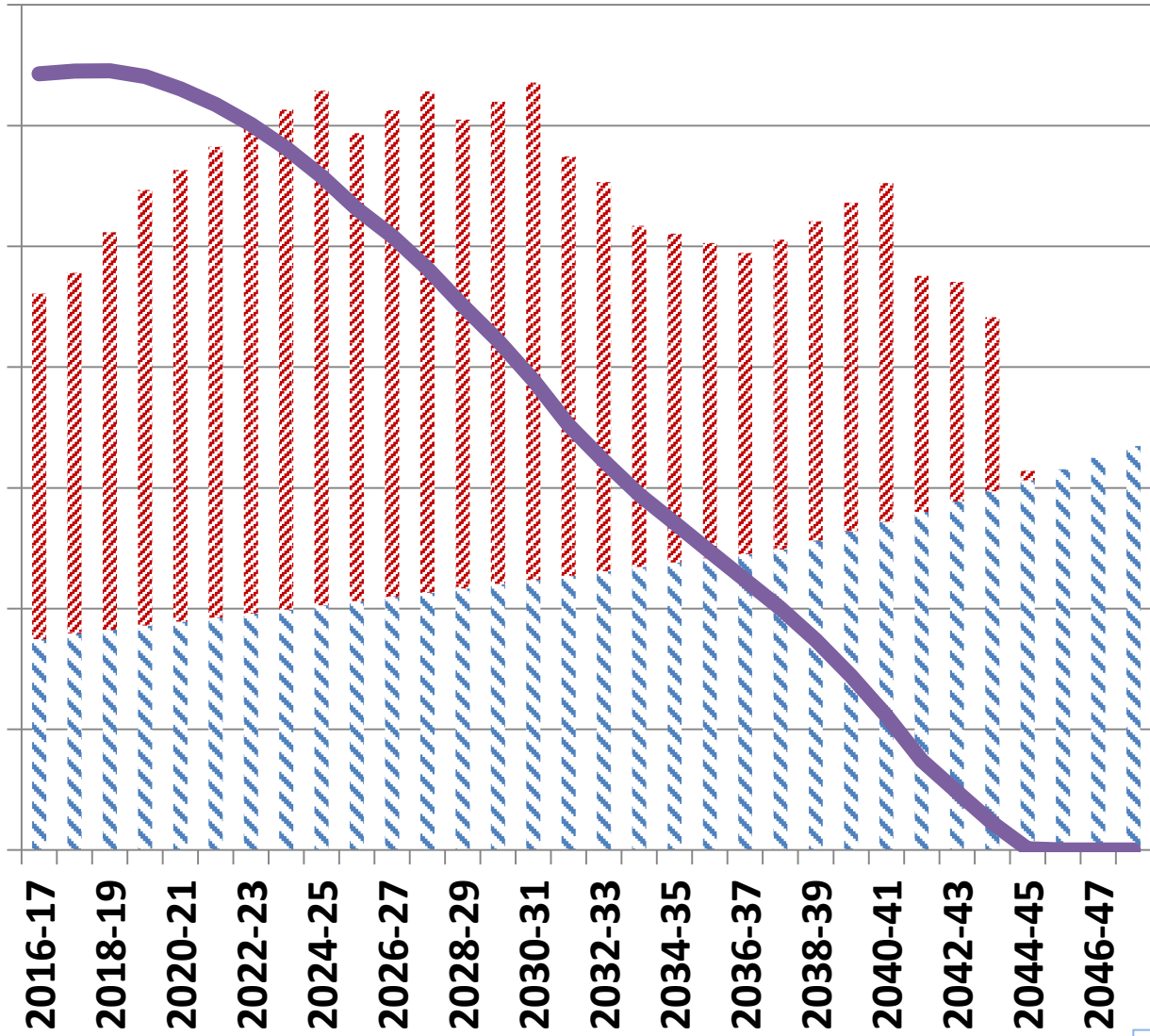
Payments

Costa Mesa Misc PERS Total Payments and Unfunded Pensions

Unfunded Balance

\$14,000,000
 \$12,000,000
 \$10,000,000
 \$8,000,000
 \$6,000,000
 \$4,000,000
 \$2,000,000
 \$0

\$90,000,000
 \$80,000,000
 \$70,000,000
 \$60,000,000
 \$50,000,000
 \$40,000,000
 \$30,000,000
 \$20,000,000
 \$10,000,000
 \$0



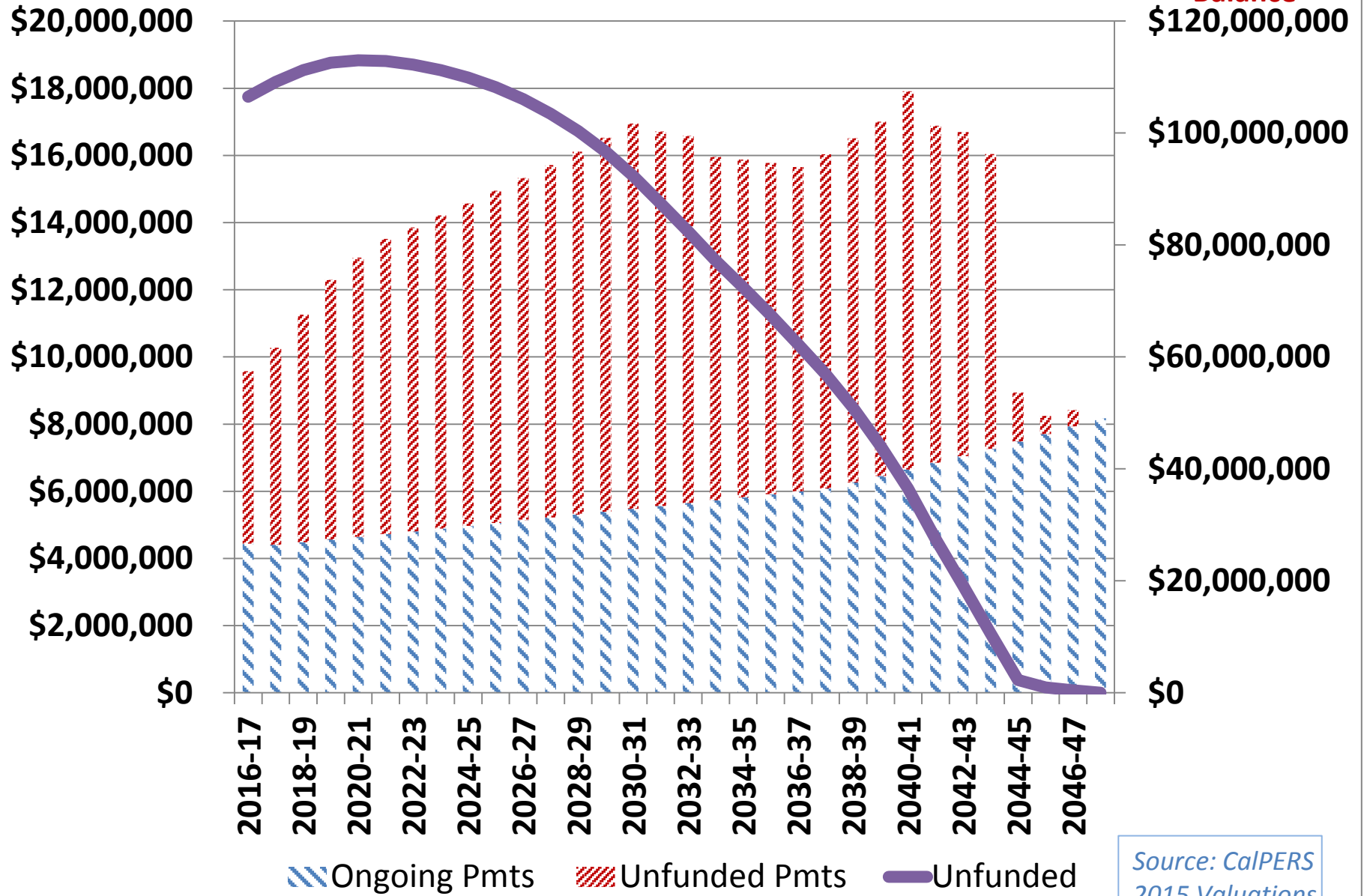
▨ Ongoing Pmts
 ▨ Unfunded Pmts
 — Unfunded

Source: CalPERS
 2015 Valuations

Costa Mesa Police PERS Total Payments and Unfunded Pensions

Payments

Unfunded Balance



Source: CalPERS 2015 Valuations

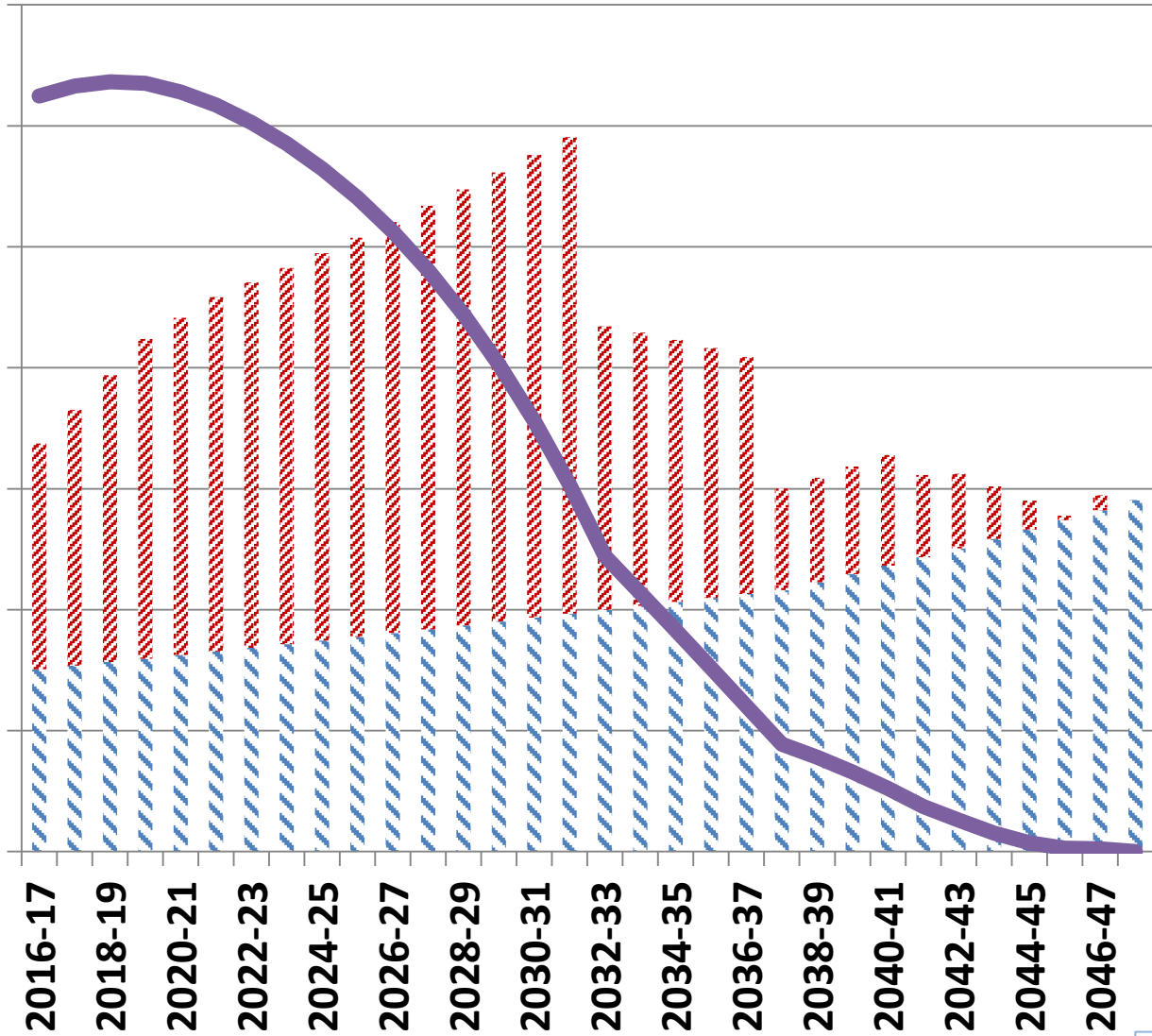
Costa Mesa Fire PERS Total Payments and Unfunded Pensions

Payments

Unfunded Balance

\$14,000,000
 \$12,000,000
 \$10,000,000
 \$8,000,000
 \$6,000,000
 \$4,000,000
 \$2,000,000
 \$0

\$70,000,000
 \$60,000,000
 \$50,000,000
 \$40,000,000
 \$30,000,000
 \$20,000,000
 \$10,000,000
 \$0



▨ Ongoing Pmts
 ▨ Unfunded Pmts
 — Unfunded

Source: CalPERS
 2015 Valuations

Costa Mesa Unfunded PERS Amortization Payments and Balances
Actuarial Valuations as of June 30, 2015

Date	FY	Miscellaneous		Police		Fire		Fire 2nd Tier		Fire PEPRA		Total	
		Balance	Payment	Balance	Payment	Balance	Payment	Balance	Payment	Balance	Payment	Balance	Payment
6/30/2015	2015-16	81,800,811	5,078,745	102,609,096	3,693,572	61,764,978	3,804,675	5,945	(2,041)	247	0	246,181,077	12,574,951
6/30/2016	2016-17	82,670,117	5,719,783	106,475,201	5,129,249	62,452,580	3,730,865	8,507	431	266	0	251,606,671	14,580,328
6/30/2017	2017-18	82,939,978	5,974,842	109,142,723	5,868,102	63,268,281	4,222,722	8,698	545	285	4	255,359,966	16,066,215
6/30/2018	2018-19	82,965,629	6,580,565	111,244,249	6,773,679	63,635,190	4,740,734	8,785	663	303	8	257,854,157	18,095,649
6/30/2019	2019-20	82,365,176	7,217,259	112,564,468	7,728,308	63,492,532	5,286,025	8,757	789	317	13	258,431,250	20,232,394
6/30/2020	2020-21	81,059,551	7,480,311	112,993,923	8,309,656	62,773,805	5,576,068	8,596	922	327	18	256,836,201	21,366,975
6/30/2021	2021-22	79,383,266	7,800,352	112,852,833	8,787,058	61,700,450	5,862,656	8,284	561	333	23	253,945,165	22,450,650
6/30/2022	2022-23	77,249,433	8,034,359	112,206,179	9,050,667	60,249,452	6,038,536	8,324	578	334	23	249,713,723	23,124,163
6/30/2023	2023-24	74,712,940	8,275,393	111,237,711	9,322,189	58,507,274	6,219,692	8,349	595	336	24	244,466,610	23,817,893
6/30/2024	2024-25	71,736,301	8,523,654	109,915,089	9,601,855	56,446,605	6,406,282	8,358	613	336	25	238,106,689	24,532,429
6/30/2025	2025-26	68,279,011	7,749,032	108,203,305	9,889,910	54,037,926	6,598,471	8,350	631	335	25	230,528,927	24,238,069
6/30/2026	2026-27	65,365,569	8,061,667	106,064,476	10,186,607	51,249,330	6,796,425	8,322	650	334	26	222,688,032	25,045,375
6/30/2027	2027-28	61,909,472	8,303,517	103,457,613	10,492,207	48,046,347	7,000,318	8,272	670	333	27	213,422,036	25,796,739
6/30/2028	2028-29	57,943,413	7,763,753	100,338,382	10,806,973	44,391,738	7,210,327	8,198	690	330	28	202,682,061	25,781,771
6/30/2029	2029-30	54,239,539	7,996,664	96,658,853	11,131,181	40,245,293	7,426,637	8,097	711	325	29	191,152,106	26,555,222
6/30/2030	2030-31	50,016,386	8,236,564	92,367,212	11,465,117	35,563,589	7,649,436	7,967	732	320	29	177,955,474	27,351,878
6/30/2031	2031-32	45,227,764	6,944,159	87,407,467	11,147,450	30,299,754	7,878,919	7,806	754	313	30	162,943,104	25,971,312
6/30/2032	2032-33	41,419,989	6,446,149	82,405,105	10,937,386	24,403,198	4,690,105	7,609	776	306	31	148,236,207	22,074,447
6/30/2033	2033-34	37,842,979	5,650,709	77,245,365	10,218,322	21,370,634	4,518,759	7,376	800	297	32	136,466,649	20,388,622
6/30/2034	2034-35	34,822,422	5,445,601	72,444,185	10,051,554	18,288,282	4,332,912	7,099	824	286	33	125,562,275	19,830,924
6/30/2035	2035-36	31,787,985	5,223,098	67,455,826	9,865,579	15,167,444	4,131,846	6,777	848	273	34	114,418,306	19,221,405
6/30/2036	2036-37	28,756,660	4,982,343	62,286,163	9,659,404	12,021,014	3,914,817	6,406	874	258	35	103,070,502	18,557,473
6/30/2037	2037-38	25,747,607	5,131,815	56,942,542	9,949,184	8,863,621	1,674,927	5,981	900	241	36	91,559,992	16,756,862
6/30/2038	2038-39	22,357,898	5,285,770	50,897,699	10,247,660	7,791,791	1,725,175	5,496	927	222	37	81,053,107	17,259,569
6/30/2039	2039-40	18,554,338	5,444,343	44,090,026	10,555,091	6,587,476	1,776,930	4,947	955	200	38	69,236,988	17,777,357
6/30/2040	2040-41	14,301,098	5,607,673	36,453,027	11,264,992	5,239,177	1,830,238	4,328	984	176	40	55,997,806	18,703,927
6/30/2041	2041-42	9,559,521	3,905,411	27,507,212	10,036,534	3,734,484	1,357,380	3,632	1,013	148	41	40,804,997	15,300,379
6/30/2042	2042-43	6,227,269	3,641,229	19,164,153	9,646,403	2,607,208	1,231,705	2,855	1,043	116	42	28,001,601	14,520,422
6/30/2043	2043-44	2,919,008	2,879,079	10,599,861	8,776,261	1,525,690	868,666	1,987	860	81	35	15,046,627	12,524,901
6/30/2044	2044-45	152,840	158,468	2,295,429	1,461,758	739,465	482,737	1,245	664	51	27	3,189,030	2,103,654
6/30/2045	2045-46	0		952,004	540,291	294,412	72,869	649	456	27	18	1,247,093	613,634
6/30/2046	2046-47			463,218	480,275	240,941	249,813	225	234	10	11	704,396	730,333
6/30/2047	2047-48			(0)		(0)		(0)		(0)		(0)	0
TOTAL			<u>185,542,307</u>		<u>273,074,474</u>		<u>135,307,667</u>		<u>20,652</u>		<u>822</u>		<u>593,945,922</u>
PERS Valuation 6/30/2017-2046			174,754,926		264,248,992		127,772,115		22,261		820		566,799,114
Detail above 6/30/17-6/30/46			<u>174,743,779</u>		<u>264,251,653</u>		<u>127,772,127</u>		<u>22,262</u>		<u>822</u>		<u>566,790,643</u>
Difference to zero out balance			<u>11,147</u>		<u>(2,661)</u>		<u>(12)</u>		<u>(1)</u>		<u>(2)</u>		<u>8,471</u>
6/30/16-6/30/46 pmts above			<u>180,463,562</u>		<u>269,380,902</u>		<u>131,502,992</u>		<u>22,693</u>		<u>822</u>		<u>581,370,971</u>

**Costa Mesa PERS Normal/Ongoing Cost Estimates
Based on 2015 CalPERS Actuarial Valuations**

FY	Payroll Base						Normal/Ongoing Rate						Yrs
	Misc	Police	Fire	Fire 2nd Tier	Fire PEPRA	Total	Misc	Police	Fire	Fire 2nd Tier	Fire PEPRA		
Growth	3%	3%	3%	3%	3%	Years phase in:	20	20	20	0	0		
2016-17	20,699,956	14,598,407	9,813,523	213,827	0	45,325,713	16.892%	30.447%	30.217%	23.710%	0.000%		
2017-18	22,056,821	14,963,001	9,841,057	295,813	60,664	47,217,356	16.263%	29.453%	30.406%	23.904%	23.490%		
2018-19	22,718,526	15,411,891	10,136,289	304,687	62,484	48,633,877	16.075%	29.106%	30.060%	23.490%	23.490%	1	
2019-20	23,400,082	15,874,248	10,440,378	313,828	64,359	50,092,895	15.886%	28.758%	29.714%	23.490%	23.490%	2	
2020-21	24,102,084	16,350,475	10,753,589	323,243	66,290	51,595,681	15.698%	28.411%	29.369%	23.490%	23.490%	3	
2021-22	24,825,147	16,840,989	11,076,197	332,940	68,279	53,143,552	15.510%	28.063%	29.023%	23.490%	23.490%	4	
2022-23	25,569,901	17,346,219	11,408,483	342,928	70,327	54,737,858	15.321%	27.716%	28.677%	23.490%	23.490%	5	
2023-24	26,336,998	17,866,606	11,750,737	353,216	72,437	56,379,994	15.133%	27.368%	28.331%	23.490%	23.490%	6	
2024-25	27,127,108	18,402,604	12,103,259	363,812	74,610	58,071,393	14.945%	27.021%	27.985%	23.490%	23.490%	7	
2025-26	27,940,921	18,954,682	12,466,357	374,726	76,848	59,813,534	14.756%	26.673%	27.640%	23.490%	23.490%	8	
2026-27	28,779,149	19,523,322	12,840,348	385,968	79,153	61,607,940	14.568%	26.326%	27.294%	23.490%	23.490%	9	
2027-28	29,642,523	20,109,022	13,225,558	397,547	81,528	63,456,178	14.380%	25.979%	26.948%	23.490%	23.490%	10	
2028-29	30,531,799	20,712,293	13,622,325	409,473	83,974	65,359,864	14.191%	25.631%	26.602%	23.490%	23.490%	11	
2029-30	31,447,753	21,333,662	14,030,995	421,757	86,493	67,320,660	14.003%	25.284%	26.256%	23.490%	23.490%	12	
2030-31	32,391,186	21,973,672	14,451,925	434,410	89,088	69,340,281	13.814%	24.936%	25.911%	23.490%	23.490%	13	
2031-32	33,362,922	22,632,882	14,885,483	447,442	91,761	71,420,490	13.626%	24.589%	25.565%	23.490%	23.490%	14	
2032-33	34,363,810	23,311,868	15,332,047	460,865	94,514	73,563,104	13.438%	24.241%	25.219%	23.490%	23.490%	15	
2033-34	35,394,724	24,011,224	15,792,008	474,691	97,349	75,769,996	13.249%	23.894%	24.873%	23.490%	23.490%	16	
2034-35	36,456,566	24,731,561	16,265,768	488,932	100,269	78,043,096	13.061%	23.546%	24.527%	23.490%	23.490%	17	
2035-36	37,550,263	25,473,508	16,753,741	503,600	103,277	80,384,389	12.873%	23.199%	24.182%	23.490%	23.490%	18	
2036-37	38,676,771	26,237,713	17,256,353	518,708	106,375	82,795,920	12.684%	22.851%	23.836%	23.490%	23.490%	19	
2037-38	39,837,074	27,024,844	17,774,044	534,269	109,566	85,279,797	12.496%	22.504%	23.490%	23.490%	23.490%	20	
2038-39	41,032,186	27,835,589	18,307,265	550,297	112,853	87,838,190	12.496%	22.504%	23.490%	23.490%	23.490%	21	
2039-40	42,263,152	28,670,657	18,856,483	566,806	116,239	90,473,337	12.496%	22.504%	23.490%	23.490%	23.490%	22	
2040-41	43,531,047	29,530,777	19,422,177	583,810	119,726	93,187,537	12.496%	22.504%	23.490%	23.490%	23.490%	23	
2041-42	44,836,978	30,416,700	20,004,842	601,324	123,318	95,983,162	12.496%	22.504%	23.490%	23.490%	23.490%	24	
2042-43	46,182,087	31,329,201	20,604,987	619,364	127,018	98,862,657	12.496%	22.504%	23.490%	23.490%	23.490%	25	
2043-44	47,567,550	32,269,077	21,223,137	637,945	130,829	101,828,538	12.496%	22.504%	23.490%	23.490%	23.490%	26	
2044-45	48,994,577	33,237,149	21,859,831	657,083	134,754	104,883,394	12.496%	22.504%	23.490%	23.490%	23.490%	27	
2045-46	50,464,414	34,234,263	22,515,626	676,795	138,797	108,029,895	12.496%	22.504%	23.490%	23.490%	23.490%	28	
2046-47	51,978,346	35,261,291	23,191,095	697,099	142,961	111,270,792	12.496%	22.504%	23.490%	23.490%	23.490%	29	
2047-48	53,537,696	36,319,130	23,886,828	718,012	147,250	114,608,916	12.496%	22.504%	23.490%	23.490%	23.490%	30	
TOTAL						PEPRA	12.496%	22.504%	23.490%	23.490%	23.490%		

**Costa Mesa PERS Normal/Ongoing Cost Estimates
Based on 2015 CalPERS Actuarial Valuations**

Normal/Ongoing Cost							
FY	Misc	Police	Fire	Fire 2nd Tier	Fire PEPRA	Subtotal Fire	Total
Growth							
2016-17	3,496,637	4,444,777	2,965,352	50,698	0	3,016,050	10,957,464
2017-18	3,587,101	4,407,053	2,992,272	70,711	14,250	3,077,233	11,071,387
2018-19	3,651,924	4,485,716	3,046,989	71,571	14,677	3,133,237	11,270,877
2019-20	3,717,407	4,565,132	3,102,296	73,718	15,118	3,191,132	11,473,671
2020-21	3,783,533	4,645,276	3,158,179	75,930	15,572	3,249,681	11,678,490
2021-22	3,850,281	4,726,120	3,214,623	78,208	16,039	3,308,870	11,885,271
2022-23	3,917,628	4,807,635	3,271,611	80,554	16,520	3,368,685	12,093,948
2023-24	3,985,552	4,889,786	3,329,125	82,970	17,015	3,429,110	12,304,448
2024-25	4,054,024	4,972,540	3,387,145	85,459	17,526	3,490,130	12,516,694
2025-26	4,123,018	5,055,858	3,445,651	88,023	18,052	3,551,726	12,730,602
2026-27	4,192,503	5,139,700	3,504,619	90,664	18,593	3,613,876	12,946,079
2027-28	4,262,447	5,224,022	3,564,023	93,384	19,151	3,676,558	13,163,027
2028-29	4,332,813	5,308,778	3,623,838	96,185	19,725	3,739,748	13,381,339
2029-30	4,403,566	5,393,918	3,684,034	99,071	20,317	3,803,422	13,600,906
2030-31	4,474,664	5,479,388	3,744,580	102,043	20,927	3,867,550	13,821,602
2031-32	4,546,065	5,565,131	3,805,444	105,104	21,555	3,932,103	14,043,299
2032-33	4,617,723	5,651,088	3,866,589	108,257	22,201	3,997,047	14,265,858
2033-34	4,689,589	5,737,194	3,927,978	111,505	22,867	4,062,350	14,489,133
2034-35	4,761,610	5,823,380	3,989,570	114,850	23,553	4,127,973	14,712,963
2035-36	4,833,733	5,909,574	4,051,323	118,296	24,260	4,193,879	14,937,186
2036-37	4,905,897	5,995,698	4,113,190	121,845	24,987	4,260,022	15,161,617
2037-38	4,978,041	6,081,671	4,175,123	125,500	25,737	4,326,360	15,386,072
2038-39	5,127,382	6,264,121	4,300,377	129,265	26,509	4,456,151	15,847,654
2039-40	5,281,203	6,452,045	4,429,388	133,143	27,305	4,589,836	16,323,084
2040-41	5,439,640	6,645,606	4,562,269	137,137	28,124	4,727,530	16,812,776
2041-42	5,602,829	6,844,974	4,699,137	141,251	28,967	4,869,355	17,317,158
2042-43	5,770,914	7,050,323	4,840,111	145,489	29,837	5,015,437	17,836,674
2043-44	5,944,041	7,261,833	4,985,315	149,853	30,732	5,165,900	18,371,774
2044-45	6,122,362	7,479,688	5,134,874	154,349	31,654	5,320,877	18,922,927
2045-46	6,306,033	7,704,079	5,288,921	158,979	32,603	5,480,503	19,490,615
2046-47	6,495,214	7,935,201	5,447,588	163,749	33,582	5,644,919	20,075,334
2047-48	6,690,070	8,173,257	5,611,016	168,661	34,589	5,814,266	20,677,593
TOTAL	151,945,444	186,120,562	127,262,550	3,526,422	712,544	131,501,516	469,567,522

Costa Mesa CalPERS Pension Estimates

Miscellaneous

Based on 2015 CalPERS Actuarial Valuations

FY	Payments			Unfunded
	Normal/ Ongoing	Unfunded	TOTAL	Balance
2016-17	3,496,637	5,719,783	9,216,420	82,670,117
2017-18	3,587,101	5,974,842	9,561,943	82,939,978
2018-19	3,651,924	6,580,565	10,232,489	82,965,629
2019-20	3,717,407	7,217,259	10,934,666	82,365,176
2020-21	3,783,533	7,480,311	11,263,844	81,059,551
2021-22	3,850,281	7,800,352	11,650,633	79,383,266
2022-23	3,917,628	8,034,359	11,951,987	77,249,433
2023-24	3,985,552	8,275,393	12,260,945	74,712,940
2024-25	4,054,024	8,523,654	12,577,678	71,736,301
2025-26	4,123,018	7,749,032	11,872,050	68,279,011
2026-27	4,192,503	8,061,667	12,254,170	65,365,569
2027-28	4,262,447	8,303,517	12,565,964	61,909,472
2028-29	4,332,813	7,763,753	12,096,566	57,943,413
2029-30	4,403,566	7,996,664	12,400,230	54,239,539
2030-31	4,474,664	8,236,564	12,711,228	50,016,386
2031-32	4,546,065	6,944,159	11,490,224	45,227,764
2032-33	4,617,723	6,446,149	11,063,872	41,419,989
2033-34	4,689,589	5,650,709	10,340,298	37,842,979
2034-35	4,761,610	5,445,601	10,207,211	34,822,422
2035-36	4,833,733	5,223,098	10,056,831	31,787,985
2036-37	4,905,897	4,982,343	9,888,240	28,756,660
2037-38	4,978,041	5,131,815	10,109,856	25,747,607
2038-39	5,127,382	5,285,770	10,413,152	22,357,898
2039-40	5,281,203	5,444,343	10,725,546	18,554,338
2040-41	5,439,640	5,607,673	11,047,313	14,301,098
2041-42	5,602,829	3,905,411	9,508,240	9,559,521
2042-43	5,770,914	3,641,229	9,412,143	6,227,269
2043-44	5,944,041	2,879,079	8,823,120	2,919,008
2044-45	6,122,362	158,468	6,280,830	152,840
2045-46	6,306,033	0	6,306,033	0
2046-47	6,495,214	0	6,495,214	0
2047-48	6,690,070	0	6,690,070	0
TOTAL	151,945,444	180,463,562	332,409,006	

Costa Mesa CalPERS Pension Estimates

Police

Based on 2015 CalPERS Actuarial Valuations

FY	Payments			Unfunded
	Normal/ Ongoing	Unfunded	TOTAL	Balance
2016-17	4,444,777	5,129,249	9,574,026	106,475,201
2017-18	4,407,053	5,868,102	10,275,155	109,142,723
2018-19	4,485,716	6,773,679	11,259,395	111,244,249
2019-20	4,565,132	7,728,308	12,293,440	112,564,468
2020-21	4,645,276	8,309,656	12,954,932	112,993,923
2021-22	4,726,120	8,787,058	13,513,178	112,852,833
2022-23	4,807,635	9,050,667	13,858,302	112,206,179
2023-24	4,889,786	9,322,189	14,211,975	111,237,711
2024-25	4,972,540	9,601,855	14,574,395	109,915,089
2025-26	5,055,858	9,889,910	14,945,768	108,203,305
2026-27	5,139,700	10,186,607	15,326,307	106,064,476
2027-28	5,224,022	10,492,207	15,716,229	103,457,613
2028-29	5,308,778	10,806,973	16,115,751	100,338,382
2029-30	5,393,918	11,131,181	16,525,099	96,658,853
2030-31	5,479,388	11,465,117	16,944,505	92,367,212
2031-32	5,565,131	11,147,450	16,712,581	87,407,467
2032-33	5,651,088	10,937,386	16,588,474	82,405,105
2033-34	5,737,194	10,218,322	15,955,516	77,245,365
2034-35	5,823,380	10,051,554	15,874,934	72,444,185
2035-36	5,909,574	9,865,579	15,775,153	67,455,826
2036-37	5,995,698	9,659,404	15,655,102	62,286,163
2037-38	6,081,671	9,949,184	16,030,855	56,942,542
2038-39	6,264,121	10,247,660	16,511,781	50,897,699
2039-40	6,452,045	10,555,091	17,007,136	44,090,026
2040-41	6,645,606	11,264,992	17,910,598	36,453,027
2041-42	6,844,974	10,036,534	16,881,508	27,507,212
2042-43	7,050,323	9,646,403	16,696,726	19,164,153
2043-44	7,261,833	8,776,261	16,038,094	10,599,861
2044-45	7,479,688	1,461,758	8,941,446	2,295,429
2045-46	7,704,079	540,291	8,244,370	952,004
2046-47	7,935,201	480,275	8,415,476	463,218
2047-48	8,173,257	0	8,173,257	(0)
TOTAL	186,120,562	269,380,902	455,501,464	

Costa Mesa CalPERS Pension Estimates

Fire

Based on 2015 CalPERS Actuarial Valuations

FY	Payments			Unfunded
	Normal/ Ongoing	Unfunded	TOTAL	Balance
2016-17	3,016,050	3,731,296	6,747,346	62,461,353
2017-18	3,077,233	4,223,271	7,300,504	63,277,264
2018-19	3,133,237	4,741,405	7,874,642	63,644,279
2019-20	3,191,132	5,286,827	8,477,959	63,501,606
2020-21	3,249,681	5,577,008	8,826,689	62,782,728
2021-22	3,308,870	5,863,240	9,172,110	61,709,067
2022-23	3,368,685	6,039,137	9,407,822	60,258,111
2023-24	3,429,110	6,220,311	9,649,421	58,515,959
2024-25	3,490,130	6,406,920	9,897,050	56,455,300
2025-26	3,551,726	6,599,127	10,150,853	54,046,611
2026-27	3,613,876	6,797,101	10,410,977	51,257,987
2027-28	3,676,558	7,001,015	10,677,573	48,054,951
2028-29	3,739,748	7,211,045	10,950,793	44,400,266
2029-30	3,803,422	7,427,377	11,230,799	40,253,715
2030-31	3,867,550	7,650,197	11,517,747	35,571,875
2031-32	3,932,103	7,879,703	11,811,806	30,307,873
2032-33	3,997,047	4,690,912	8,687,959	24,411,113
2033-34	4,062,350	4,519,591	8,581,941	21,378,306
2034-35	4,127,973	4,333,769	8,461,742	18,295,667
2035-36	4,193,879	4,132,728	8,326,607	15,174,495
2036-37	4,260,022	3,915,726	8,175,748	12,027,678
2037-38	4,326,360	1,675,863	6,002,223	8,869,843
2038-39	4,456,151	1,726,139	6,182,290	7,797,509
2039-40	4,589,836	1,777,923	6,367,759	6,592,624
2040-41	4,727,530	1,831,262	6,558,792	5,243,681
2041-42	4,869,355	1,358,434	6,227,789	3,738,264
2042-43	5,015,437	1,232,790	6,248,227	2,610,179
2043-44	5,165,900	869,561	6,035,461	1,527,759
2044-45	5,320,877	483,428	5,804,305	740,761
2045-46	5,480,503	73,343	5,553,846	295,089
2046-47	5,644,919	250,058	5,894,977	241,177
2047-48	5,814,266	0	5,814,266	(0)
TOTAL	131,501,516	131,526,507	263,028,023	

Costa Mesa CalPERS Pension Estimates
Total All Plans
Based on 2015 CalPERS Actuarial Valuations

FY	Payments			Unfunded
	Normal/ Ongoing	Unfunded	TOTAL	Balance
2016-17	10,957,464	14,580,328	25,537,792	251,606,671
2017-18	11,071,387	16,066,215	27,137,602	255,359,966
2018-19	11,270,877	18,095,649	29,366,526	257,854,157
2019-20	11,473,671	20,232,394	31,706,065	258,431,250
2020-21	11,678,490	21,366,975	33,045,465	256,836,201
2021-22	11,885,271	22,450,650	34,335,921	253,945,165
2022-23	12,093,948	23,124,163	35,218,111	249,713,723
2023-24	12,304,448	23,817,893	36,122,341	244,466,610
2024-25	12,516,694	24,532,429	37,049,123	238,106,689
2025-26	12,730,602	24,238,069	36,968,671	230,528,927
2026-27	12,946,079	25,045,375	37,991,454	222,688,032
2027-28	13,163,027	25,796,739	38,959,766	213,422,036
2028-29	13,381,339	25,781,771	39,163,110	202,682,061
2029-30	13,600,906	26,555,222	40,156,128	191,152,106
2030-31	13,821,602	27,351,878	41,173,480	177,955,474
2031-32	14,043,299	25,971,312	40,014,611	162,943,104
2032-33	14,265,858	22,074,447	36,340,305	148,236,207
2033-34	14,489,133	20,388,622	34,877,755	136,466,649
2034-35	14,712,963	19,830,924	34,543,887	125,562,275
2035-36	14,937,186	19,221,405	34,158,591	114,418,306
2036-37	15,161,617	18,557,473	33,719,090	103,070,502
2037-38	15,386,072	16,756,862	32,142,934	91,559,992
2038-39	15,847,654	17,259,569	33,107,223	81,053,107
2039-40	16,323,084	17,777,357	34,100,441	69,236,988
2040-41	16,812,776	18,703,927	35,516,703	55,997,806
2041-42	17,317,158	15,300,379	32,617,537	40,804,997
2042-43	17,836,674	14,520,422	32,357,096	28,001,601
2043-44	18,371,774	12,524,901	30,896,675	15,046,627
2044-45	18,922,927	2,103,654	21,026,581	3,189,030
2045-46	19,490,615	613,634	20,104,249	1,247,093
2046-47	20,075,334	730,333	20,805,667	704,395
2047-48	20,677,593	0	20,677,593	(1)
TOTAL	469,567,522	581,370,971	1,050,938,493	