

Costa Mesa Unfunded Pensions Amortization

Payments

Balances

25,000,000

250,000,000

20,000,000

200,000,000

15,000,000

150,000,000

10,000,000

100,000,000

5,000,000

50,000,000

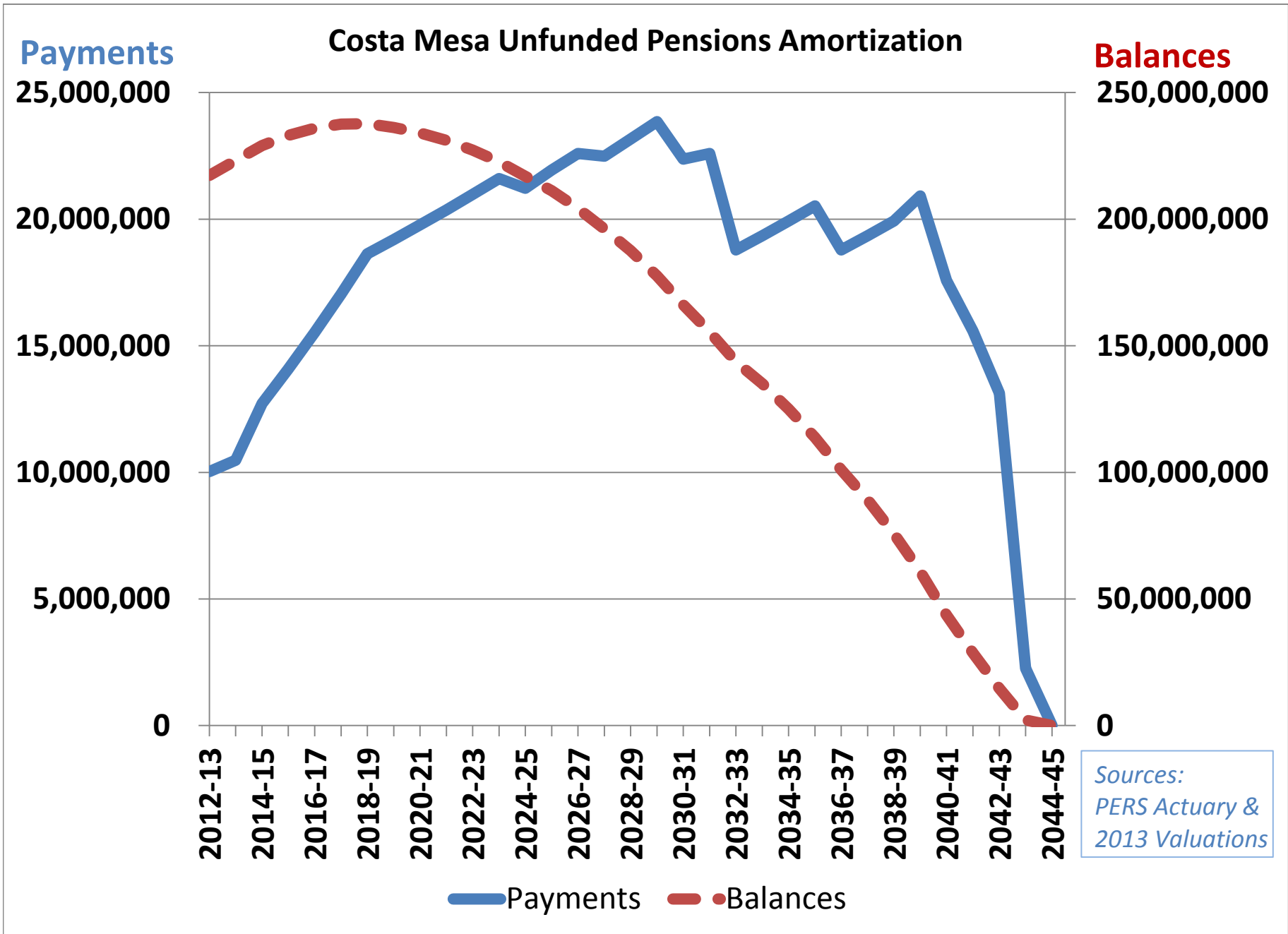
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2012-13
2014-15
2016-17
2018-19
2020-21
2022-23
2024-25
2026-27
2028-29
2030-31
2032-33
2034-35
2036-37
2038-39
2040-41
2042-43
2044-45

Sources:
PERS Actuary &
2013 Valuations

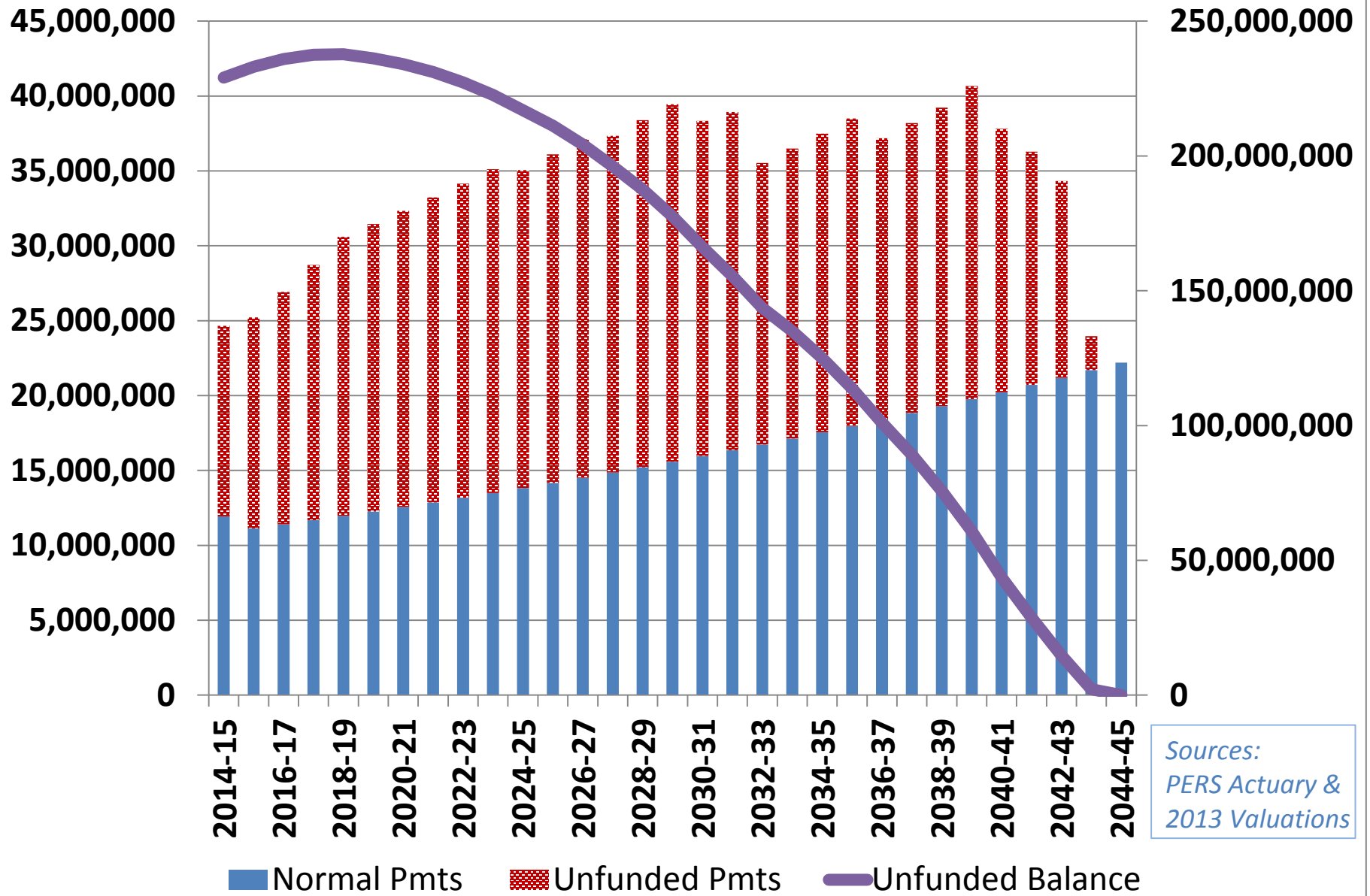
— Payments — Balances



PERS Total Payments and Unfunded Pension Amortization

Payments

Balances

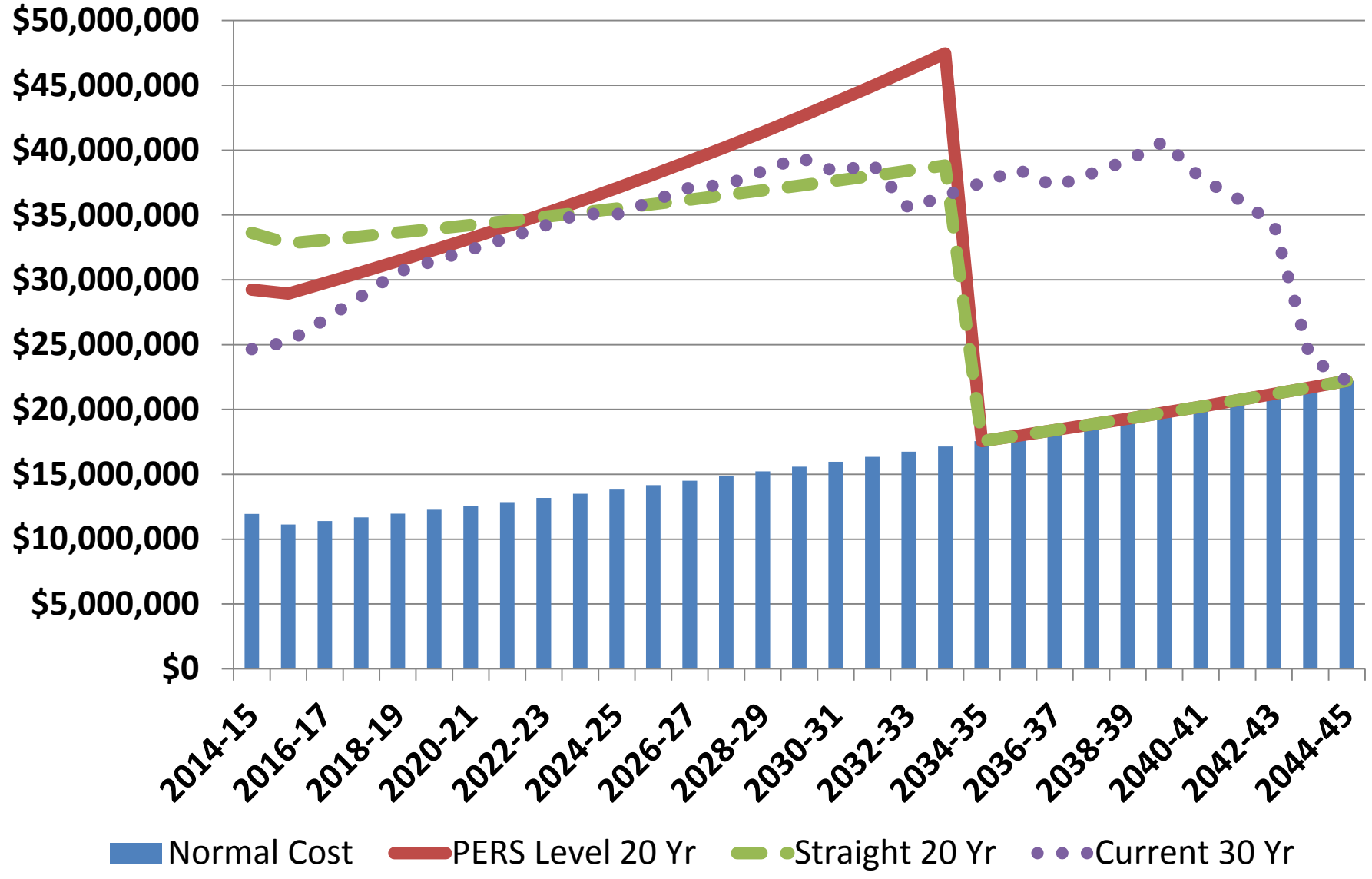


Sources:
PERS Actuary &
2013 Valuations

Fresh Start Payment Options Unfunded Amortized in 20 yrs vs Current 30 yrs

Sources: PERS Actuary
and 2013 Valuations

Payments



Costa Mesa Miscellaneous Unfunded Amortization from Kerry Worgan 2014-12-01

Date	Assumption Change - 2003			Method Change - 2004			Benefit Change - 2007			Assumption Change -2009			Special Loss -2009		
	Balance	Payment	Yrs	Balance	Payment	Yrs	Balance	Payment	Yrs	Balance	Payment	Yrs	Balance	Payment	Yrs
6/30/2013	6,683,232	722,653	12	(536,355)	(54,588)	13	5,523,600	506,346	15	11,185,577	904,295	18	7,840,172	487,503	28
6/30/2014	6,435,211	744,333	11	(519,984)	(56,226)	12	5,412,879	521,536	14	11,086,902	931,424	17	7,922,731	502,129	27
6/30/2015	6,146,112	766,663	10	(500,687)	(57,912)	11	5,278,105	537,182	13	10,952,698	959,367	16	7,996,317	517,192	26
6/30/2016	5,812,177	789,663	9	(478,194)	(59,650)	10	5,117,001	553,298	12	10,779,458	988,148	15	8,059,805	532,708	25
6/30/2017	5,429,350	813,353	8	(452,212)	(61,439)	9	4,927,104	569,897	11	10,563,384	1,017,792	14	8,111,966	548,689	24
6/30/2018	4,993,250	837,753	7	(422,427)	(63,282)	8	4,705,756	586,994	10	10,300,368	1,048,326	13	8,151,470	565,150	23
6/30/2019	4,499,142	862,886	6	(388,496)	(65,181)	7	4,450,079	604,603	9	9,985,968	1,079,776	12	8,176,870	582,105	22
6/30/2020	3,941,919	888,772	5	(350,053)	(67,136)	6	4,156,969	622,742	8	9,615,380	1,112,169	11	8,186,597	599,568	21
6/30/2021	3,316,064	915,436	4	(306,698)	(69,150)	5	3,823,070	641,424	7	9,183,412	1,145,534	10	8,178,946	617,555	20
6/30/2022	2,615,625	942,899	3	(258,004)	(71,225)	4	3,444,758	660,666	6	8,684,453	1,179,900	9	8,152,073	636,081	19
6/30/2023	1,834,179	971,186	2	(203,507)	(73,362)	3	3,018,121	680,486	5	8,112,440	1,215,297	8	8,103,975	655,164	18
6/30/2024	964,795	1,000,321	1	(142,707)	(75,562)	2	2,538,936	700,901	4	7,460,826	1,251,756	7	8,032,485	674,819	17
6/30/2025	-	-		(75,065)	(77,829)	1	2,002,647	721,928	3	6,722,540	1,289,309	6	7,935,254	695,063	16
6/30/2026	-	-		-			1,404,335	743,586	2	5,889,946	1,327,988	5	7,809,741	715,915	15
6/30/2027	-	-					738,693	765,894	1	4,954,805	1,367,828	4	7,653,195	737,393	14
6/30/2028	-	-					-			3,908,221	1,408,863	3	7,462,639	759,515	13
6/30/2029	-	-								2,740,598	1,451,129	2	7,234,856	782,300	12
6/30/2030	-	-								1,441,580	1,494,662	1	6,966,364	805,769	11
6/30/2031	-	-								-			6,653,402	829,942	10
6/30/2032	-	-											6,291,905	854,840	9
6/30/2033	-	-											5,877,481	880,486	8
6/30/2034	-	-											5,405,385	906,900	7
6/30/2035	-	-											4,870,495	934,107	6
6/30/2036	-	-											4,267,279	962,130	5
6/30/2037	-	-											3,589,767	990,994	4
6/30/2038	-	-											2,831,515	1,020,724	3
6/30/2039	-	-											1,985,569	1,051,346	2
6/30/2040	-	-											1,044,428	1,082,886	1
6/30/2041	-	-											-		
6/30/2042	-	-													
6/30/2043	-	-													
6/30/2044	-	-													
6/30/2045	-	-													

Total	10,255,917	(852,542)	9,417,483	21,173,564	20,928,975
Interest	3,572,685	(316,187)	3,893,883	9,987,987	13,088,803
Savings					

Costa Mesa Miscellaneous Unfunded Amortization from Kerry Worgan 2014-12-01

Date	Golden - 2010			Special Loss -2010			Assumption Change -2011			Special Loss -2011			Payment Loss -2012		
	Balance	Payment	Yrs	Balance	Payment	Yrs	Balance	Payment	Yrs	Balance	Payment	Yrs	Balance	Payment	Yrs
6/30/2013	2,581,550	201,431	19	1,159,424	70,811	29	4,355,768	109,628	20	3,205,599	192,498	30	1,437,370	(12,960)	
6/30/2014	2,566,319	207,473	18	1,172,963	72,935	28	4,568,786	356,488	19	3,246,433	198,273	29	1,558,610	93,595	30
6/30/2015	2,543,680	213,698	17	1,185,314	75,123	27	4,541,830	367,183	18	3,284,342	204,221	28	1,578,464	96,403	29
6/30/2016	2,512,889	220,109	16	1,196,323	77,377	26	4,501,763	378,199	17	3,318,926	210,348	27	1,596,896	99,295	28
6/30/2017	2,473,142	226,712	15	1,205,822	79,698	25	4,447,271	389,545	16	3,349,753	216,658	26	1,613,711	102,274	27
6/30/2018	2,423,568	233,513	14	1,213,626	82,089	24	4,376,928	401,231	15	3,376,348	223,158	25	1,628,700	105,342	26
6/30/2019	2,363,224	240,519	13	1,219,536	84,552	23	4,289,192	413,268	14	3,398,199	229,853	24	1,641,631	108,503	25
6/30/2020	2,291,091	247,734	12	1,223,336	87,088	22	4,182,396	425,666	13	3,414,748	236,748	23	1,652,255	111,758	24
6/30/2021	2,206,067	255,166	11	1,224,791	89,701	21	4,054,736	438,436	12	3,425,389	243,851	22	1,660,301	115,110	23
6/30/2022	2,106,960	262,821	10	1,223,646	92,392	20	3,904,262	451,589	11	3,429,463	251,166	21	1,665,475	118,564	22
6/30/2023	1,992,483	270,706	9	1,219,626	95,164	19	3,728,864	465,137	10	3,426,258	258,701	20	1,667,456	122,121	21
6/30/2024	1,861,246	278,827	8	1,212,430	98,019	18	3,526,265	479,091	9	3,415,001	266,462	19	1,665,898	125,784	20
6/30/2025	1,711,745	287,192	7	1,201,734	100,959	17	3,294,003	493,463	8	3,394,852	274,456	18	1,660,424	129,558	19
6/30/2026	1,542,359	295,807	6	1,187,188	103,988	16	3,029,419	508,267	7	3,364,904	282,690	17	1,650,628	133,445	18
6/30/2027	1,351,337	304,682	5	1,168,410	107,108	15	2,729,643	523,515	6	3,324,173	291,170	16	1,636,066	137,448	17
6/30/2028	1,136,786	313,822	4	1,144,989	110,321	14	2,391,574	539,221	5	3,271,594	299,905	15	1,616,262	141,571	16
6/30/2029	896,667	323,237	3	1,116,480	113,630	13	2,011,866	555,397	4	3,206,015	308,903	14	1,590,698	145,819	15
6/30/2030	628,778	332,934	2	1,082,402	117,039	12	1,586,907	572,059	3	3,126,189	318,170	13	1,558,812	150,193	14
6/30/2031	330,743	342,922	1	1,042,233	120,551	11	1,112,802	589,221	2	3,030,767	327,715	12	1,519,999	154,699	13
6/30/2032	-			995,411	124,167	10	585,344	606,898	1	2,918,293	337,546	11	1,473,604	159,340	12
6/30/2033				941,328	127,892	9	-			2,787,190	347,673	10	1,418,918	164,120	11
6/30/2034				879,326	131,729	8				2,635,754	358,103	9	1,355,173	169,044	10
6/30/2035				808,696	135,681	7				2,462,147	368,846	8	1,281,543	174,115	9
6/30/2036				728,671	139,751	6				2,264,380	379,911	7	1,197,132	179,338	8
6/30/2037				638,425	143,944	5				2,040,308	391,309	6	1,100,975	184,719	7
6/30/2038				537,063	148,262	4				1,787,614	403,048	5	992,028	190,260	6
6/30/2039				423,621	152,710	3				1,503,796	415,139	4	869,165	195,968	5
6/30/2040				297,060	157,291	2				1,186,155	427,593	3	731,168	201,847	4
6/30/2041				156,256	162,010	1				831,779	440,421	2	576,726	207,902	3
6/30/2042				-						437,523	453,634	1	404,423	214,139	2
6/30/2043										-			212,730	220,564	1
6/30/2044													-		
6/30/2045															

Total	5,059,304			3,201,980			9,063,502			9,158,168			4,439,878		
Interest	2,477,754			2,042,556			4,707,734			5,952,569			3,002,508		
Savings															

Costa Mesa Miscellaneous Unfunded Amortization from Kerry Worgan 2014-12-01

Date	Experience Loss -2012			MVA - 2013			TOTAL		Fresh Start		
	Balance	Payment	Yrs	Balance	Payment	Yrs	Balance	Payment	Balance	Payment	Yrs
6/30/2013	14,239,802	697,202		21,113,522	(212,062)		78,789,261	3,612,757	78,789,261	3,612,757	
6/30/2014	14,584,913	875,832	30	22,916,907	(249,832)		80,952,669	4,197,961	80,952,669	4,197,961	
6/30/2015	14,770,700	902,107	29	24,894,706	350,145	30	82,671,580	4,931,372	82,671,580	6,242,153	20
6/30/2016	14,943,178	929,170	28	26,398,771	721,299	29	83,758,993	5,439,962	82,399,947	6,429,418	19
6/30/2017	15,100,532	957,045	27	27,630,821	1,114,406	28	84,400,645	5,974,630	81,913,780	6,622,300	18
6/30/2018	15,240,787	985,756	26	28,547,691	1,530,451	27	84,536,065	6,536,482	81,191,167	6,820,969	17
6/30/2019	15,361,792	1,015,329	25	29,101,963	1,970,456	26	84,099,101	7,126,667	80,208,373	7,025,598	16
6/30/2020	15,461,211	1,045,789	24	29,241,598	2,029,570	25	83,017,448	7,340,467	78,939,706	7,236,366	15
6/30/2021	15,536,505	1,077,163	23	29,330,415	2,090,457	24	81,632,998	7,560,681	77,357,360	7,453,457	14
6/30/2022	15,584,917	1,109,477	22	29,362,764	2,153,170	23	79,916,391	7,787,502	75,431,253	7,677,061	13
6/30/2023	15,603,455	1,142,762	21	29,332,517	2,217,765	22	77,835,867	8,021,127	73,128,851	7,907,373	12
6/30/2024	15,588,874	1,177,045	20	29,233,028	2,284,298	21	75,357,076	8,261,761	70,414,976	8,144,594	11
6/30/2025	15,537,653	1,212,356	19	29,057,094	2,352,827	20	72,442,881	7,479,283	67,251,605	8,388,932	10
6/30/2026	15,445,980	1,248,727	18	28,796,912	2,423,412	19	70,121,412	7,783,825	63,597,645	8,640,600	9
6/30/2027	15,309,721	1,286,188	17	28,444,034	2,496,115	18	67,310,076	8,017,340	59,408,705	8,899,818	8
6/30/2028	15,124,402	1,324,774	16	27,989,309	2,570,998	17	64,045,776	7,468,990	54,636,830	9,166,812	7
6/30/2029	14,885,177	1,364,517	15	27,422,840	2,648,128	16	61,105,196	7,693,060	49,230,239	9,441,817	6
6/30/2030	14,586,804	1,405,453	14	26,733,916	2,727,572	15	57,711,752	7,923,851	43,133,023	9,725,071	5
6/30/2031	14,223,610	1,447,616	13	25,910,953	2,809,399	14	53,824,509	6,622,065	36,284,832	10,016,823	4
6/30/2032	13,789,460	1,491,045	12	24,941,427	2,893,681	13	50,995,444	6,467,517	28,620,531	10,317,328	3
6/30/2033	13,277,721	1,535,776	11	23,811,802	2,980,491	12	48,114,438	6,036,438	20,069,838	10,626,848	2
6/30/2034	12,681,223	1,581,849	10	22,507,448	3,069,906	11	45,464,309	6,217,531	10,556,925	10,945,653	1
6/30/2035	11,992,219	1,629,305	9	21,012,560	3,162,003	10	42,427,659	6,404,057	-	-	0
6/30/2036	11,202,336	1,678,184	8	19,310,067	3,256,863	9	38,969,866	6,596,179	-	-	0
6/30/2037	10,302,533	1,728,530	7	17,381,535	3,354,569	8	35,053,542	6,794,064	-	-	0
6/30/2038	9,283,045	1,780,386	6	15,207,058	3,455,206	7	30,638,323	6,997,886	-	-	0
6/30/2039	8,133,330	1,833,797	5	12,765,153	3,558,863	6	25,680,634	7,207,822	-	-	0
6/30/2040	6,842,009	1,888,811	4	10,032,633	3,665,628	5	20,133,452	7,424,057	-	-	0
6/30/2041	5,396,798	1,945,475	3	6,984,476	3,020,478	4	13,946,035	5,776,287	-	-	
6/30/2042	3,784,446	2,003,840	2	4,376,613	2,333,319	3	9,003,006	5,004,932			
6/30/2043	1,990,655	2,063,955	1	2,285,623	1,602,212	2	4,489,008	3,886,731			
6/30/2044	-			795,835	825,139	1	795,835	825,139			
6/30/2045				(0)			(0)	-			
							-	-			

Total	42,365,260	5 year ramp	71,668,829	197,607,704	175,539,708
Interest	28,125,458	26	46,774,123	114,936,124	92,868,128
Savings		4.59855			22,067,997

Costa Mesa Police Unfunded Amortization from Kerry Worgan 2014-12-01

Date	Fresh Start - 2008			Assumption Change -2009			Special Loss -2009			Golden - 2010			Special Loss -2010		
	Balance	Payment	Yrs	Balance	Payment	Yrs	Balance	Payment	Yrs	Balance	Payment	Yrs	Balance	Payment	Yrs
6/30/2013	(2,793,322)	(177,036)	27	4,807,143	388,632	18	5,460,132	339,512	28	718,749	56,082	19	1,613,180	98,523	29
6/30/2014	(2,819,267)	(182,347)	26	4,764,736	400,291	17	5,517,628	349,697	27	714,508	57,764	18	1,632,017	101,479	28
6/30/2015	(2,841,650)	(187,817)	25	4,707,060	412,300	16	5,568,876	360,188	26	708,205	59,497	17	1,649,203	104,524	27
6/30/2016	(2,860,041)	(193,452)	24	4,632,608	424,669	15	5,613,091	370,994	25	699,633	61,282	16	1,664,521	107,659	26
6/30/2017	(2,873,969)	(199,255)	23	4,539,748	437,409	14	5,649,418	382,124	24	688,566	63,121	15	1,677,736	110,889	25
6/30/2018	(2,882,924)	(205,233)	22	4,426,713	450,531	13	5,676,930	393,588	23	674,764	65,014	14	1,688,594	114,216	24
6/30/2019	(2,886,353)	(211,390)	21	4,291,596	464,047	12	5,694,619	405,395	22	657,963	66,965	13	1,696,817	117,642	23
6/30/2020	(2,883,656)	(217,732)	20	4,132,331	477,969	11	5,701,393	417,557	21	637,880	68,974	12	1,702,105	121,171	22
6/30/2021	(2,874,181)	(224,264)	19	3,946,687	492,308	10	5,696,065	430,084	20	614,208	71,043	11	1,704,129	124,807	21
6/30/2022	(2,857,223)	(230,992)	18	3,732,253	507,077	9	5,677,349	442,986	19	586,615	73,174	10	1,702,537	128,551	20
6/30/2023	(2,832,018)	(237,921)	17	3,486,424	522,289	8	5,643,852	456,276	18	554,742	75,369	9	1,696,943	132,407	19
6/30/2024	(2,797,737)	(245,059)	16	3,206,384	537,958	7	5,594,064	469,964	17	518,204	77,630	8	1,686,931	136,380	18
6/30/2025	(2,753,485)	(252,411)	15	2,889,096	554,097	6	5,526,350	484,063	16	476,580	79,959	7	1,672,049	140,471	17
6/30/2026	(2,698,292)	(259,983)	14	2,531,279	570,720	5	5,438,939	498,585	15	429,420	82,358	6	1,651,810	144,685	16
6/30/2027	(2,631,107)	(267,783)	13	2,129,390	587,841	4	5,329,915	513,543	14	376,236	84,829	5	1,625,683	149,026	15
6/30/2028	(2,550,798)	(275,816)	12	1,679,607	605,477	3	5,197,207	528,949	13	316,501	87,374	4	1,593,096	153,496	14
6/30/2029	(2,456,135)	(284,090)	11	1,177,806	623,641	2	5,038,571	544,817	12	249,648	89,995	3	1,553,430	158,101	13
6/30/2030	(2,345,794)	(292,613)	10	619,537	642,350	1	4,851,586	561,162	11	175,063	92,695	2	1,506,014	162,844	12
6/30/2031	(2,218,341)	(301,392)	9	-			4,633,630	577,997	10	92,085	95,476	1	1,450,125	167,730	11
6/30/2032	(2,072,227)	(310,433)	8				4,381,872	595,337	9	-			1,384,978	172,761	10
6/30/2033	(1,905,780)	(319,746)	7				4,093,255	613,197	8				1,309,729	177,944	9
6/30/2034	(1,717,193)	(329,339)	6				3,764,473	631,593	7				1,223,462	183,283	8
6/30/2035	(1,504,517)	(339,219)	5				3,391,959	650,540	6				1,125,190	188,781	7
6/30/2036	(1,265,646)	(349,395)	4				2,971,862	670,057	5				1,013,847	194,445	6
6/30/2037	(998,309)	(359,877)	3				2,500,022	690,158	4				888,281	200,278	5
6/30/2038	(700,053)	(370,674)	2				1,971,952	710,863	3				747,249	206,286	4
6/30/2039	(368,235)	(381,794)	1				1,382,810	732,189	2				589,411	212,475	3
6/30/2040	-	-					727,371	754,155	1				413,318	218,849	2
6/30/2041							-						217,409	225,415	1
6/30/2042													-		
6/30/2043															
6/30/2044															
6/30/2045															

Total	(7,207,062)		9,099,607		14,575,569		1,408,599		4,455,118
Interest	(4,413,740)		4,292,464		9,115,437		689,850		2,841,938
Savings									

Costa Mesa Police Unfunded Amortization from Kerry Worgan 2014-12-01

Date	Assumption Change -2011			Special Loss -2011			Payment Loss -2012			Experience Loss -2012			MVA - 2013		
	Balance	Payment	Yrs	Balance	Payment	Yrs	Balance	Payment	Yrs	Balance	Payment	Yrs	Balance	Payment	Yrs
6/30/2013	4,094,781	103,059	20	1,712,603	102,843	30	545,082	(345,843)		44,116,660	2,711,249		21,731,279	(389,829)	
6/30/2014	4,295,036	335,129	19	1,734,419	105,928	29	944,541	56,720	30	44,614,327	2,679,114	30	23,765,308	(467,454)	
6/30/2015	4,269,695	345,182	18	1,754,672	109,106	28	956,573	58,422	29	45,182,637	2,759,487	29	26,032,373	366,146	30
6/30/2016	4,232,029	355,538	17	1,773,149	112,379	27	967,743	60,174	28	45,710,237	2,842,272	28	27,605,172	754,261	29
6/30/2017	4,180,802	366,204	16	1,789,618	115,750	26	977,933	61,980	27	46,191,575	2,927,540	27	28,893,526	1,165,334	28
6/30/2018	4,114,673	377,190	15	1,803,826	119,223	25	987,016	63,839	26	46,620,605	3,015,366	26	29,852,296	1,600,392	27
6/30/2019	4,032,195	388,506	14	1,815,501	122,800	24	994,853	65,754	25	46,990,752	3,105,827	25	30,431,897	2,060,504	26
6/30/2020	3,931,798	400,161	13	1,824,342	126,484	23	1,001,291	67,727	24	47,294,868	3,199,002	24	30,577,914	2,122,319	25
6/30/2021	3,811,787	412,166	12	1,830,026	130,278	22	1,006,167	69,759	23	47,525,187	3,294,972	23	30,670,790	2,185,989	24
6/30/2022	3,670,328	424,531	11	1,832,203	134,186	21	1,009,303	71,851	22	47,673,277	3,393,821	22	30,704,618	2,251,568	23
6/30/2023	3,505,440	437,267	10	1,830,491	138,212	20	1,010,503	74,007	21	47,729,983	3,495,636	21	30,672,988	2,319,115	22
6/30/2024	3,314,980	450,385	9	1,824,477	142,358	19	1,009,559	76,227	20	47,685,380	3,600,505	20	30,568,952	2,388,689	21
6/30/2025	3,096,634	463,896	8	1,813,712	146,629	18	1,006,242	78,514	19	47,528,700	3,708,520	19	30,384,978	2,460,350	20
6/30/2026	2,847,904	477,813	7	1,797,712	151,028	17	1,000,305	80,869	18	47,248,277	3,819,776	18	30,112,907	2,534,160	19
6/30/2027	2,566,089	492,148	6	1,775,951	155,559	16	991,480	83,295	17	46,831,470	3,934,369	17	29,743,902	2,610,185	18
6/30/2028	2,248,277	506,912	5	1,747,861	160,226	15	979,479	85,794	16	46,264,590	4,052,400	16	29,268,397	2,688,490	17
6/30/2029	1,891,320	522,119	4	1,712,825	165,032	14	963,986	88,368	15	45,532,816	4,173,972	15	28,676,041	2,769,145	16
6/30/2030	1,491,824	537,783	3	1,670,178	169,983	13	944,663	91,019	14	44,620,111	4,299,191	14	27,955,633	2,852,220	15
6/30/2031	1,046,125	553,917	2	1,619,199	175,083	12	921,142	93,750	13	43,509,123	4,428,167	13	27,095,061	2,937,786	14
6/30/2032	550,272	570,534	1	1,559,109	180,335	11	893,026	96,562	12	42,181,086	4,561,012	12	26,081,229	3,025,920	13
6/30/2033	-			1,489,066	185,745	10	859,885	99,459	11	40,615,709	4,697,842	11	24,899,981	3,116,697	12
6/30/2034				1,408,161	191,318	9	821,255	102,443	10	38,791,061	4,838,778	10	23,536,019	3,210,198	11
6/30/2035				1,315,411	197,057	8	776,634	105,516	9	36,683,439	4,983,941	9	21,972,816	3,306,504	10
6/30/2036				1,209,753	202,969	7	725,480	108,682	8	34,267,237	5,133,459	8	20,192,521	3,405,699	9
6/30/2037				1,090,042	209,058	6	667,207	111,942	7	31,514,796	5,287,463	7	18,175,856	3,507,870	8
6/30/2038				955,039	215,330	5	601,184	115,300	6	28,396,248	5,446,087	6	15,902,008	3,613,106	7
6/30/2039				803,409	221,790	4	526,727	118,759	5	24,879,343	5,609,469	5	13,348,510	3,721,500	6
6/30/2040				633,708	228,443	3	443,099	122,322	4	20,929,272	5,777,754	4	10,491,116	3,833,145	5
6/30/2041				444,381	235,297	2	349,505	125,992	3	16,508,465	5,951,086	3	7,303,660	3,158,511	4
6/30/2042				233,748	242,356	1	245,086	129,772	2	11,576,382	6,129,619	2	4,576,621	2,439,950	3
6/30/2043				-			128,918	133,665	1	6,089,287	6,313,507	1	2,390,074	1,675,432	2
6/30/2044							-			-			832,204	862,848	1
6/30/2045													0		

Total	8,520,440		4,892,785		2,352,643		130,171,205	5 year ramp	74,944,033
Interest	4,425,659		3,180,182		1,807,561		86,054,545	26	48,911,660
Savings								4.59855	

Costa Mesa Police Unfunded Amortization from Kerry Worgan 2014-12-01

Date	TOTAL		Fresh Start		
	Balance	Payment	Balance	Payment	Yrs
6/30/2013	82,006,287	2,887,193	82,006,287	2,887,193	
6/30/2014	85,163,253	3,436,322	85,163,253	3,436,322	
6/30/2015	87,987,643	4,387,035	87,987,643	6,643,545	20
6/30/2016	90,038,141	4,895,777	87,698,543	6,842,851	19
6/30/2017	91,714,952	5,431,095	87,181,114	7,048,137	18
6/30/2018	92,962,494	5,994,126	86,412,035	7,259,581	17
6/30/2019	93,719,839	6,586,050	85,366,044	7,477,368	16
6/30/2020	93,920,265	6,783,632	84,015,797	7,701,689	15
6/30/2021	93,930,865	6,987,141	82,331,700	7,932,740	14
6/30/2022	93,731,259	7,196,755	80,281,738	8,170,722	13
6/30/2023	93,299,349	7,412,658	77,831,284	8,415,844	12
6/30/2024	92,611,193	7,635,037	74,942,898	8,668,319	11
6/30/2025	91,640,857	7,864,089	71,576,111	8,928,368	10
6/30/2026	90,360,261	8,100,011	67,687,190	9,196,220	9
6/30/2027	88,739,010	8,343,012	63,228,886	9,472,106	8
6/30/2028	86,744,217	8,593,302	58,150,164	9,756,269	7
6/30/2029	84,340,308	8,851,101	52,395,911	10,048,957	6
6/30/2030	81,488,815	9,116,634	45,906,623	10,350,426	5
6/30/2031	78,148,148	8,728,512	38,618,070	10,660,939	4
6/30/2032	74,959,345	8,892,028	30,460,928	10,980,767	3
6/30/2033	71,361,845	8,571,139	21,360,396	11,310,190	2
6/30/2034	67,827,238	8,828,273	11,235,771	11,649,496	1
6/30/2035	63,760,932	9,093,121	-	-	0
6/30/2036	59,115,053	9,365,915	-	-	-1
6/30/2037	53,837,895	9,646,892	-	-	
6/30/2038	47,873,627	9,936,299	-	-	
6/30/2039	41,161,974	10,234,388	-	-	
6/30/2040	33,637,883	10,934,667	-	-	
6/30/2041	24,823,420	9,696,300	-	-	
6/30/2042	16,631,838	8,941,696	-	-	
6/30/2043	8,608,279	8,122,604	-	-	
6/30/2044	832,204	862,848	-	-	
6/30/2045	0	-	-	-	
	-	-	-	-	

Total	236,032,138	184,838,047
Interest	148,044,495	96,850,404
Savings		51,194,091

Costa Mesa Fire Unfunded Amortization from Kerry Worgan 2014-12-01

Date	Side Fund			Pre-2013 Pool -2013			Asset Loss - 2013			Non-Asset Gain - 2013			TOTAL	
	Balance	Payment	Yrs	Balance	Payment	Yrs	Balance	Payment	Yrs	Balance	Payment	Yrs	Balance	Payment
6/30/2013	24,941,538	2,810,917	20	16,524,260	717,021	24	15,260,157	-		(203,960)	-		56,521,995	3,527,938
6/30/2014	23,897,733	1,864,668	19	17,020,156	978,850	23	16,404,669	-		(219,257)	-		57,103,300	2,843,518
6/30/2015	23,756,734	1,920,608	18	17,281,774	1,230,275	22	17,635,019	248,037	30	(235,701)	(3,315)	30	58,437,826	3,395,605
6/30/2016	23,547,161	1,978,226	17	17,302,331	1,267,184	21	18,700,475	510,957	29	(249,942)	(6,829)	29	59,300,025	3,749,537
6/30/2017	23,262,130	2,037,573	16	17,286,162	1,305,199	20	19,573,240	789,428	28	(261,607)	(10,551)	28	59,859,925	4,121,648
6/30/2018	22,894,189	2,098,700	15	17,229,365	1,344,355	19	20,222,736	1,084,148	27	(270,287)	(14,490)	27	60,076,003	4,512,712
6/30/2019	22,435,275	2,161,661	14	17,127,710	1,384,686	18	20,615,373	1,395,840	26	(275,535)	(18,656)	26	59,902,824	4,923,530
6/30/2020	21,876,664	2,226,511	13	16,976,616	1,426,226	17	20,714,289	1,437,715	25	(276,857)	(19,216)	25	59,290,711	5,071,236
6/30/2021	21,208,918	2,293,306	12	16,771,119	1,469,013	16	20,777,205	1,480,847	24	(277,698)	(19,792)	24	58,479,544	5,223,373
6/30/2022	20,421,837	2,362,105	11	16,505,848	1,513,083	15	20,800,121	1,525,272	23	(278,005)	(20,386)	23	57,449,802	5,380,074
6/30/2023	19,504,392	2,432,968	10	16,174,988	1,558,476	14	20,778,695	1,571,030	22	(277,718)	(20,998)	22	56,180,357	5,541,477
6/30/2024	18,444,666	2,505,957	9	15,772,250	1,605,230	13	20,708,218	1,618,161	21	(276,776)	(21,628)	21	54,648,358	5,707,721
6/30/2025	17,229,785	2,581,136	8	15,290,831	1,653,387	12	20,583,589	1,666,706	20	(275,110)	(22,276)	20	52,829,094	5,878,953
6/30/2026	15,845,840	2,658,570	7	14,723,375	1,702,989	11	20,399,281	1,716,707	19	(272,647)	(22,945)	19	50,695,848	6,055,321
6/30/2027	14,277,814	2,738,327	6	14,061,932	1,754,078	10	20,149,307	1,768,208	18	(269,306)	(23,633)	18	48,219,746	6,236,981
6/30/2028	12,509,492	2,820,477	5	13,297,910	1,806,701	9	19,827,187	1,821,255	17	(265,001)	(24,342)	17	45,369,588	6,424,090
6/30/2029	10,523,371	2,905,091	4	12,422,026	1,860,902	8	19,425,909	1,875,892	16	(259,637)	(25,072)	16	42,111,669	6,616,813
6/30/2030	8,300,561	2,992,244	3	11,424,254	1,916,729	7	18,937,886	1,932,169	15	(253,115)	(25,824)	15	38,409,586	6,815,317
6/30/2031	5,820,679	3,082,011	2	10,293,766	1,974,231	6	18,354,912	1,990,134	14	(245,323)	(26,599)	14	34,224,034	7,019,777
6/30/2032	3,061,732	3,174,472	1	9,018,872	2,033,458	5	17,668,115	2,049,838	13	(236,144)	(27,397)	13	29,512,576	7,230,370
6/30/2033	-	-		7,586,954	2,094,461	4	16,867,907	2,111,333	12	(225,448)	(28,219)	12	24,229,412	4,177,576
6/30/2034				5,984,392	2,157,295	3	15,943,923	2,174,673	11	(213,099)	(29,066)	11	21,715,216	4,302,903
6/30/2035				4,196,490	2,222,014	2	14,884,968	2,239,913	10	(198,945)	(29,938)	10	18,882,512	4,431,990
6/30/2036				2,207,394	2,288,674	1	13,678,949	2,307,111	9	(182,826)	(30,836)	9	15,703,516	4,564,950
6/30/2037				-			12,312,806	2,376,324	8	(164,567)	(31,761)	8	12,148,239	2,344,563
6/30/2038							10,772,441	2,447,614	7	(143,979)	(32,714)	7	10,628,462	2,414,900
6/30/2039							9,042,634	2,521,042	6	(120,860)	(33,695)	6	8,921,775	2,487,347
6/30/2040							7,106,960	2,596,674	5	(94,988)	(34,706)	5	7,011,971	2,561,968
6/30/2041							4,947,693	2,139,659	4	(66,129)	(28,598)	4	4,881,564	2,111,061
6/30/2042							3,100,324	1,652,887	3	(41,437)	(22,092)	3	3,058,887	1,630,795
6/30/2043							1,619,099	1,134,982	2	(21,640)	(15,170)	2	1,597,459	1,119,813
6/30/2044							563,757	584,516	1	(7,535)	(7,812)	1	556,222	576,703
6/30/2045							0			0			0	-

Total	49,645,525			39,264,517			5 year ramp	50,769,073		5 year ramp	(678,555)			132,629,105
Interest	24,703,987			22,740,257			26	33,134,054		26	(442,854)			74,191,279
Savings							4.59855			4.59855				

Costa Mesa Fire Unfunded Amortization from Kerry Worgan 2014-12-01

Date	Fresh Start		
	Balance	Payment	Yrs
6/30/2013	56,521,995	3,527,938	
6/30/2014	57,103,300	2,843,518	
6/30/2015	58,437,826	4,412,373	20
6/30/2016	58,245,817	4,544,744	19
6/30/2017	57,902,163	4,681,087	18
6/30/2018	57,391,371	4,821,519	17
6/30/2019	56,696,666	4,966,165	16
6/30/2020	55,799,887	5,115,150	15
6/30/2021	54,681,378	5,268,604	14
6/30/2022	53,319,877	5,426,662	13
6/30/2023	51,692,384	5,589,462	12
6/30/2024	49,774,035	5,757,146	11
6/30/2025	47,537,952	5,929,860	10
6/30/2026	44,955,088	6,107,756	9
6/30/2027	41,994,063	6,290,989	8
6/30/2028	38,620,982	6,479,719	7
6/30/2029	34,799,240	6,674,110	6
6/30/2030	30,489,318	6,874,333	5
6/30/2031	25,648,557	7,080,563	4
6/30/2032	20,230,914	7,292,980	3
6/30/2033	14,186,709	7,511,770	2
6/30/2034	7,462,344	7,737,123	1
6/30/2035	-	-	0
6/30/2036	-	-	0
6/30/2037	-	-	0
6/30/2038	-	-	0
6/30/2039	-	-	0
6/30/2040	-	-	0
6/30/2041	-	-	0
6/30/2042	-	-	0
6/30/2043	-	-	0
6/30/2044	-	-	0
6/30/2045	-	-	0

Total	118,562,117
Interest	60,124,291
Savings	14,066,988

**Costa Mesa PERS Payment Estimates
From Kerry Worgan December 2013**

FY	Unfunded Amortization Payments				Unfunded Balance				Fresh Start		
	Misc	Police	Fire	Total	Misc	Police	Fire	Total	Balance	Payment	Years
2012-13	3,612,757	2,887,193	3,527,938	10,027,888	78,789,261	82,006,287	56,521,995	217,317,542			
2013-14	4,197,961	3,436,322	2,843,518	10,477,801	80,952,669	85,163,253	57,103,300	223,219,223			
2014-15	4,931,372	4,387,035	3,395,605	12,714,012	82,671,580	87,987,643	58,437,826	229,097,049	229,097,049	17,298,071	20
2015-16	5,439,962	4,895,777	3,749,537	14,085,276	83,758,993	90,038,141	59,300,025	233,097,159	228,344,306	17,817,013	19
2016-17	5,974,630	5,431,095	4,121,648	15,527,373	84,400,645	91,714,952	59,859,925	235,975,521	226,997,057	18,351,523	18
2017-18	6,536,482	5,994,126	4,512,712	17,043,320	84,536,065	92,962,494	60,076,003	237,574,562	224,994,572	18,902,069	17
2018-19	7,126,667	6,586,050	4,923,530	18,636,248	84,099,101	93,719,839	59,902,824	237,721,764	222,271,083	19,469,131	16
2019-20	7,340,467	6,783,632	5,071,236	19,195,335	83,017,448	93,920,265	59,290,711	236,228,423	218,755,390	20,053,205	15
2020-21	7,560,681	6,987,141	5,223,373	19,771,195	81,632,998	93,930,865	58,479,544	234,043,408	214,370,439	20,654,801	14
2021-22	7,787,502	7,196,755	5,380,074	20,364,331	79,916,391	93,731,259	57,449,802	231,097,452	209,032,868	21,274,445	13
2022-23	8,021,127	7,412,658	5,541,477	20,975,261	77,835,867	93,299,349	56,180,357	227,315,573	202,652,519	21,912,678	12
2023-24	8,261,761	7,635,037	5,707,721	21,604,519	75,357,076	92,611,193	54,648,358	222,616,627	195,131,909	22,570,059	11
2024-25	7,479,283	7,864,089	5,878,953	21,222,324	72,442,881	91,640,857	52,829,094	216,912,832	186,365,667	23,247,161	10
2025-26	7,783,825	8,100,011	6,055,321	21,939,158	70,121,412	90,360,261	50,695,848	211,177,520	176,239,923	23,944,575	9
2026-27	8,017,340	8,343,012	6,236,981	22,597,332	67,310,076	88,739,010	48,219,746	204,268,832	164,631,653	24,662,913	8
2027-28	7,468,990	8,593,302	6,424,090	22,486,382	64,045,776	86,744,217	45,369,588	196,159,581	151,407,975	25,402,800	7
2028-29	7,693,060	8,851,101	6,616,813	23,160,974	61,105,196	84,340,308	42,111,669	187,557,173	136,425,390	26,164,884	6
2029-30	7,923,851	9,116,634	6,815,317	23,855,803	57,711,752	81,488,815	38,409,586	177,610,152	119,528,965	26,949,831	5
2030-31	6,622,065	8,728,512	7,019,777	22,370,354	53,824,509	78,148,148	34,224,034	166,196,691	100,551,458	27,758,325	4
2031-32	6,467,517	8,892,028	7,230,370	22,589,915	50,995,444	74,959,345	29,512,576	155,467,366	79,312,373	28,591,075	3
2032-33	6,036,438	8,571,139	4,177,576	18,785,152	48,114,438	71,361,845	24,229,412	143,705,696	55,616,943	29,448,807	2
2033-34	6,217,531	8,828,273	4,302,903	19,348,707	45,464,309	67,827,238	21,715,216	135,006,763	29,255,041	30,332,272	1
2034-35	6,404,057	9,093,121	4,431,990	19,929,168	42,427,659	63,760,932	18,882,512	125,071,104	0		
2035-36	6,596,179	9,365,915	4,564,950	20,527,043	38,969,866	59,115,053	15,703,516	113,788,435			
2036-37	6,794,064	9,646,892	2,344,563	18,785,520	35,053,542	53,837,895	12,148,239	101,039,677			
2037-38	6,997,886	9,936,299	2,414,900	19,349,085	30,638,323	47,873,627	10,628,462	89,140,411			
2038-39	7,207,822	10,234,388	2,487,347	19,929,558	25,680,634	41,161,974	8,921,775	75,764,383			
2039-40	7,424,057	10,934,667	2,561,968	20,920,692	20,133,452	33,637,883	7,011,971	60,783,307			
2040-41	5,776,287	9,696,300	2,111,061	17,583,648	13,946,035	24,823,420	4,881,564	43,651,020			
2041-42	5,004,932	8,941,696	1,630,795	15,577,423	9,003,006	16,631,838	3,058,887	28,693,731			
2042-43	3,886,731	8,122,604	1,119,813	13,129,148	4,489,008	8,608,279	1,597,459	14,694,746			
2043-44	825,139	862,848	576,703	2,264,690	795,835	832,204	556,222	2,184,261			
2044-45	0	0	0	0	(0)	0	0	0			
TOTAL	205,418,423	242,355,653	139,000,560	586,774,636							

**Costa Mesa PERS Normal Cost Estimates
Based on 2013 Valuations**

FY	Payroll Base				Normal Rate				Normal Cost			
	Misc	Police	Fire	Total	Misc	Police	Fire	Yrs	Misc	Police	Fire	Total
Growth	3%	3%	3%		29 year S/L transition to PEPRA rates							
2014-15	21,418,822	18,133,294	10,513,535	50,065,651	16.990%	28.928%	29.128%		3,639,058	5,245,599	3,062,382	11,947,039
2015-16	20,696,438	16,348,321	10,021,248	47,066,007	16.864%	28.806%	29.230%		3,490,247	4,709,297	2,929,211	11,128,755
2016-17	21,317,331	16,838,771	10,321,885	48,477,987	16.741%	28.685%	29.094%	1	3,568,756	4,830,219	3,003,099	11,402,074
2017-18	21,956,851	17,343,934	10,631,542	49,932,327	16.618%	28.564%	28.959%	2	3,648,835	4,954,157	3,078,785	11,681,777
2018-19	22,615,557	17,864,252	10,950,488	51,430,297	16.495%	28.443%	28.823%	3	3,730,506	5,081,185	3,156,308	11,967,999
2019-20	23,294,024	18,400,180	11,279,003	52,973,207	16.372%	28.322%	28.688%	4	3,813,794	5,211,375	3,235,713	12,260,882
2020-21	23,992,845	18,952,185	11,617,373	54,562,403	16.250%	28.202%	28.552%	5	3,898,721	5,344,804	3,317,040	12,560,565
2021-22	24,712,630	19,520,751	11,965,894	56,199,275	16.127%	28.081%	28.417%	6	3,985,312	5,481,548	3,400,336	12,867,196
2022-23	25,454,009	20,106,374	12,324,871	57,885,254	16.004%	27.960%	28.281%	7	4,073,589	5,621,687	3,485,644	13,180,920
2023-24	26,217,629	20,709,565	12,694,617	59,621,811	15.881%	27.839%	28.146%	8	4,163,576	5,765,300	3,573,009	13,501,885
2024-25	27,004,158	21,330,852	13,075,456	61,410,466	15.758%	27.718%	28.010%	9	4,255,297	5,912,471	3,662,480	13,830,248
2025-26	27,814,283	21,970,778	13,467,720	63,252,781	15.635%	27.597%	27.875%	10	4,348,773	6,063,283	3,754,104	14,166,160
2026-27	28,648,711	22,629,901	13,871,752	65,150,364	15.512%	27.476%	27.739%	11	4,444,028	6,217,823	3,847,928	14,509,779
2027-28	29,508,172	23,308,798	14,287,905	67,104,875	15.389%	27.355%	27.604%	12	4,541,084	6,376,178	3,944,004	14,861,266
2028-29	30,393,417	24,008,062	14,716,542	69,118,021	15.266%	27.234%	27.468%	13	4,639,964	6,538,438	4,042,380	15,220,782
2029-30	31,305,220	24,728,304	15,158,038	71,191,562	15.143%	27.113%	27.333%	14	4,740,690	6,704,696	4,143,110	15,588,496
2030-31	32,244,377	25,470,153	15,612,779	73,327,309	15.021%	26.993%	27.197%	15	4,843,283	6,875,044	4,246,245	15,964,572
2031-32	33,211,708	26,234,258	16,081,162	75,527,128	14.898%	26.872%	27.062%	16	4,947,766	7,049,579	4,351,840	16,349,185
2032-33	34,208,059	27,021,286	16,563,597	77,792,942	14.775%	26.751%	26.926%	17	5,054,158	7,228,399	4,459,948	16,742,505
2033-34	35,234,301	27,831,925	17,060,505	80,126,731	14.652%	26.630%	26.791%	18	5,162,481	7,411,603	4,570,627	17,144,711
2034-35	36,291,330	28,666,883	17,572,320	82,530,533	14.529%	26.509%	26.655%	19	5,272,755	7,599,294	4,683,932	17,555,981
2035-36	37,380,070	29,526,889	18,099,490	85,006,449	14.406%	26.388%	26.520%	20	5,384,999	7,791,576	4,799,922	17,976,497
2036-37	38,501,472	30,412,696	18,642,475	87,556,643	14.283%	26.267%	26.384%	21	5,499,232	7,988,555	4,918,656	18,406,443
2037-38	39,656,516	31,325,077	19,201,749	90,183,342	14.160%	26.146%	26.249%	22	5,615,472	8,190,341	5,040,194	18,846,007
2038-39	40,846,211	32,264,829	19,777,801	92,888,841	14.037%	26.025%	26.113%	23	5,733,738	8,397,044	5,164,598	19,295,380
2039-40	42,071,597	33,232,774	20,371,135	95,675,506	13.914%	25.904%	25.978%	24	5,854,045	8,608,778	5,291,929	19,754,752
2040-41	43,333,745	34,229,757	20,982,269	98,545,771	13.792%	25.784%	25.842%	25	5,976,411	8,825,659	5,422,252	20,224,322
2041-42	44,633,757	35,256,650	21,611,737	101,502,144	13.669%	25.663%	25.707%	26	6,100,850	9,047,805	5,555,632	20,704,287
2042-43	45,972,770	36,314,350	22,260,089	104,547,209	13.546%	25.542%	25.571%	27	6,227,376	9,275,336	5,692,135	21,194,847
2043-44	47,351,953	37,403,781	22,927,892	107,683,626	13.423%	25.421%	25.436%	28	6,356,004	9,508,376	5,831,828	21,696,208
2044-45	48,772,512	38,525,894	23,615,729	110,914,135	13.300%	25.300%	25.300%	29	6,486,744	9,747,051	5,974,779	22,208,574

**Costa Mesa PERS Normal Cost Estimates
Based on 2013 Valuations**

FY	Payroll Base				Yrs	Normal Rate			Normal Cost				
	Misc	Police	Fire	Total		Misc	Police	Fire	Misc	Police	Fire	Total	
			Page C-1	Attained Age at 6/30/13									
				15-24		22	3	n/a					
				25-29		34	6	n/a					
				30-34		32	15	n/a					
				35-39		28	31	n/a					
				40-44		28	28	n/a					
				45-49		34	27	n/a					
				50-54		44	9	n/a					
				55-59		30	3	n/a					
				60-64		17	0	n/a					
				65 and over		4	0	n/a					
				Total		273	122	74					
			Page 6,6,7	Normal 15-16		16.864%	28.806%	29.230%	16.864%	28.806%	29.230%		
			Page D-1	PEPRA		13.300%	25.300%	25.300%	13.300%	25.300%	25.300%		

Costa Mesa PERS Pension Estimates
Based on PERS Actuary and 2013 Valuations

FY	Payments			Unfunded
	Normal	Unfunded	TOTAL	
2014-15	11,947,039	12,714,012	24,661,051	229,097,049
2015-16	11,128,755	14,085,276	25,214,031	233,097,159
2016-17	11,402,074	15,527,373	26,929,447	235,975,521
2017-18	11,681,777	17,043,320	28,725,097	237,574,562
2018-19	11,967,999	18,636,248	30,604,247	237,721,764
2019-20	12,260,882	19,195,335	31,456,217	236,228,423
2020-21	12,560,565	19,771,195	32,331,760	234,043,408
2021-22	12,867,196	20,364,331	33,231,527	231,097,452
2022-23	13,180,920	20,975,261	34,156,181	227,315,573
2023-24	13,501,885	21,604,519	35,106,404	222,616,627
2024-25	13,830,248	21,222,324	35,052,572	216,912,832
2025-26	14,166,160	21,939,158	36,105,318	211,177,520
2026-27	14,509,779	22,597,332	37,107,111	204,268,832
2027-28	14,861,266	22,486,382	37,347,648	196,159,581
2028-29	15,220,782	23,160,974	38,381,756	187,557,173
2029-30	15,588,496	23,855,803	39,444,299	177,610,152
2030-31	15,964,572	22,370,354	38,334,926	166,196,691
2031-32	16,349,185	22,589,915	38,939,100	155,467,366
2032-33	16,742,505	18,785,152	35,527,657	143,705,696
2033-34	17,144,711	19,348,707	36,493,418	135,006,763
2034-35	17,555,981	19,929,168	37,485,149	125,071,104
2035-36	17,976,497	20,527,043	38,503,540	113,788,435
2036-37	18,406,443	18,785,520	37,191,963	101,039,677
2037-38	18,846,007	19,349,085	38,195,092	89,140,411
2038-39	19,295,380	19,929,558	39,224,938	75,764,383
2039-40	19,754,752	20,920,692	40,675,444	60,783,307
2040-41	20,224,322	17,583,648	37,807,970	43,651,020
2041-42	20,704,287	15,577,423	36,281,710	28,693,731
2042-43	21,194,847	13,129,148	34,323,995	14,694,746
2043-44	21,696,208	2,264,690	23,960,898	2,184,261
2044-45	22,208,574	-	22,208,574	0

**Costa Mesa PERS 20 Year Fresh Start Estimates
Unfunded Amortization - Add Normal Cost for Total Payments
Based on PERS Actuary Kerry Worgan and 2013 Valuations**

FY	PERS Level Percent of Payroll (3%)			Straight Line		Normal	Total Payments	
	Unfunded	Payment	Years	Unfunded	Payment	Cost	PERS	Straight Line
2014-15	229,097,049	17,298,071	20	229,097,049	21,674,531	11,947,039	29,245,110	33,621,570
2015-16	228,344,306	17,817,013	19	223,806,696	21,674,531	11,128,755	28,945,768	32,803,286
2016-17	226,997,057	18,351,523	18	218,119,567	21,674,531	11,402,074	29,753,597	33,076,605
2017-18	224,994,572	18,902,069	17	212,005,903	21,674,531	11,681,777	30,583,846	33,356,308
2018-19	222,271,083	19,469,131	16	205,433,714	21,674,531	11,967,999	31,437,130	33,642,530
2019-20	218,755,390	20,053,205	15	198,368,611	21,674,531	12,260,882	32,314,087	33,935,413
2020-21	214,370,439	20,654,801	14	190,773,625	21,674,531	12,560,565	33,215,366	34,235,096
2021-22	209,032,868	21,274,445	13	182,609,015	21,674,531	12,867,196	34,141,641	34,541,727
2022-23	202,652,519	21,912,678	12	173,832,059	21,674,531	13,180,920	35,093,598	34,855,451
2023-24	195,131,909	22,570,059	11	164,396,832	21,674,531	13,501,885	36,071,944	35,176,416
2024-25	186,365,667	23,247,161	10	154,253,963	21,674,531	13,830,248	37,077,409	35,504,779
2025-26	176,239,923	23,944,575	9	143,350,379	21,674,531	14,166,160	38,110,735	35,840,691
2026-27	164,631,653	24,662,913	8	131,629,025	21,674,531	14,509,779	39,172,692	36,184,310
2027-28	151,407,975	25,402,800	7	119,028,571	21,674,531	14,861,266	40,264,066	36,535,797
2028-29	136,425,390	26,164,884	6	105,483,082	21,674,531	15,220,782	41,385,666	36,895,313
2029-30	119,528,965	26,949,831	5	90,921,681	21,674,531	15,588,496	42,538,327	37,263,027
2030-31	100,551,458	27,758,325	4	75,268,176	21,674,531	15,964,572	43,722,897	37,639,103
2031-32	79,312,373	28,591,075	3	58,440,657	21,674,531	16,349,185	44,940,260	38,023,716
2032-33	55,616,943	29,448,807	2	40,351,075	21,674,531	16,742,505	46,191,312	38,417,036
2033-34	29,255,041	30,332,272	1	20,904,774	21,674,531	17,144,711	47,476,983	38,819,242
2034-35	0			(0)		17,555,981	17,555,981	17,555,981
2035-36						17,976,497	17,976,497	17,976,497
2036-37						18,406,443	18,406,443	18,406,443
2037-38						18,846,007	18,846,007	18,846,007
2038-39						19,295,380	19,295,380	19,295,380
2039-40						19,754,752	19,754,752	19,754,752
2040-41						20,224,322	20,224,322	20,224,322
2041-42						20,704,287	20,704,287	20,704,287
2042-43						21,194,847	21,194,847	21,194,847
2043-44						21,696,208	21,696,208	21,696,208
2044-45						22,208,574	22,208,574	22,208,574