Table IV-5c

#	Item	Assumption	Budget 12/13	PROJ ACTUALS 12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
	GENERAL FUND BALANCE, BEGINNING OF YEAR		3,461,395	3,470,603	2,712,508	1,184,855	553,227	(583,708)	(1,996,762)	(3,261,971)	(4,367,298)
	CAPITAL FUND, BEGINNING OF YEAR		3,077,205	3,041,382	3,607,431	1,943,331	2,447,882	2,990,991	2,455,487	2,986,192	3,614,217
	COMBINED FUND BALANCE, BEGINNING OF YEAR		6,538,600	6,511,985	6,319,939	3,128,186	3,001,109	2,407,283	458,724	(275,779)	(753,081)
	PERCENT OF OPERATING RESERVES		35.18%	33.52%	27.89%	16.69%	9.44%	0.75%			
	ANNUAL GENERAL FUND (SURPLUS/DEFICIT)		(804,805)	(758,095)	(1,527,653)	(631,628)	(1,136,935)	(1,413,054)	(1,265,208)	(1,105,327)	(932,830)
	GENERAL FUND REVENUES										
1	PROPERTY TAX	5.00%	16,411,317	16,303,951	17,274,037	18,137,739	19,044,626	19,996,857	20,996,700	22,046,535	23,148,862
				-0.654%	5.950%	5.000%	5.000%	5.000%	5.000%	5.000%	5.000%
7	PARCEL TAX		1,070,438	1,069,288	1,074,036	1,078,271	1,081,829	1,085,399	1,088,981	1,092,574	1,096,180
				-0.107%	0.444%	0.394%	0.330%	0.330%	0.330%	0.330%	0.330%
2	USE OF MONEY & PROPERTY	2.00% over $0	750	769	750	23,697	11,065	0	0	0	0
		4.00% over $2mm									
3	INTERGOVERNMENTAL REVENUE		356,026	370,490	837,443	379,079	302,870	305,899	308,958	312,048	315,168
				4.063%	126.037%	-54.734%	-20.104%	1.000%	1.000%	1.000%	1.000%
4	CHARGES FOR SERVICES	2.62%	74,387	90,357	103,870	106,591	109,384	112,250	115,191	118,209	121,306
				21.469%	14.955%	2.620%	2.620%	2.620%	2.620%	2.620%	2.620%
5/16	AMBULANCE FEES (net)	2.62%	854,310	916,811	955,423	980,455	1,006,143	1,032,504	1,059,556	1,087,316	1,115,804
5	Gross fees	2.62%	911,750	967,538	1,019,661	1,046,376	1,073,791	1,101,925	1,130,795	1,160,422	1,190,825
16	Expenses	2.62%	57,440	50,727	64,238	65,921	67,648	69,421	71,239	73,106	75,021
				7.316%	4.212%	2.620%	2.620%	2.620%	2.620%	2.620%	2.620%
6	OTHER REVENUE (INCLUDES SAFER GRANT)		27,000	324,033	32,000	967,859	429,228	28,080	28,361	28,644	28,931
									1.000%	1.000%	1.000%
	TOTAL REVENUES		18,794,228	19,075,699	20,277,559	21,673,691	21,985,144	22,560,989	23,597,746	24,685,326	25,826,250
	GENERAL FUND EXPENDITURES										
8	REGULAR SALARIES		7,650,756	7,497,071	7,994,876	7,396,862	7,590,660	7,789,535	7,993,621	8,203,054	8,417,974
	Net Increase			-2.009%	6.640%	-7.480%	2.620%	2.620%	2.620%	2.620%	2.620%
	Inflation adjustment	2.62%				2.62%	2.62%	2.62%	2.62%	2.62%	2.62%
25	Senior Administration				799,488	820,434	841,930	863,988	886,625	909,854	933,692
					5	5.0	5.0	5.0	5.0	5.0	5.0
	Clerical				399,744	410,217	420,965	431,994	443,312	454,927	466,846
					9	9	9	9	9	9	9
	FIrefighters				6,715,696	6,166,211	6,327,765	6,493,553	6,663,684	6,838,272	7,017,435
					57	51	51	51	51	51	51
9	TEMPORARY SALARIES	2.62%	184,440	228,767	210,240	215,748	221,401	227,202	233,154	239,263	245,532
				24.033%	-8.099%	2.620%	2.620%	2.620%	2.620%	2.620%	2.620%
10	OVERTIME	2.62%	1,263,000	2,421,630	1,500,000	1,387,800	1,424,161	1,461,474	1,499,764	1,539,058	1,579,382
				91.736%	-38.058%	-7.480%	2.620%	2.620%	2.620%	2.620%	2.620%
11	PAYROLL TAXES	2.62%	142,631	150,359	155,075	143,475	147,234	151,092	155,051	159,113	163,282
				5.418%	3.136%	-7.480%	2.620%	2.620%	2.620%	2.620%	2.620%
12	OTHER BENEFITS & SALARY EXPENSE	2.62%	130,349	135,524	135,302	125,181	128,461	131,827	135,281	138,825	142,462
				3.970%	-0.164%	-7.480%	2.620%	2.620%	2.620%	2.620%	2.620%
13	WORKERS COMPENSATION	2.62%	715,796	591,452	773,617	715,751	734,503	753,747	773,496	793,761	814,558
				-17.371%	30.800%	-7.480%	2.620%	2.620%	2.620%	2.620%	2.620%
14	MEDICAL & DENTAL	2.62%	1,592,487	1,552,847	1,639,886	1,621,477	1,663,960	1,707,555	1,752,293	1,798,203	1,845,316
				-2.489%	5.605%	-1.123%	2.620%	2.620%	2.620%	2.620%	2.620%
	Active Employees			615,070	707,719	664,887	682,307	700,184	718,528	737,354	756,672
	Retired Employees			937,777	932,167	956,590	981,652	1,007,372	1,033,765	1,060,849	1,088,644
17	CCCERA EMPLOYER PAYMENT	2.62%	1,491,897	1,389,350	1,709,933	1,582,031	1,623,480	1,666,015	1,709,665	1,754,458	1,800,425
				-6.874%	23.074%	-7.480%	2.620%	2.620%	2.620%	2.620%	2.620%
18	CCCERA UAAL FUNDING		1,125,890	1,125,890	1,527,134	3,931,983	4,059,773	4,191,715	4,327,946	4,468,604	4,613,834
				0.000%	35.638%	157.475%	3.250%	3.250%	3.250%	3.250%	3.250%
19	PENSION OBLIGATION BOND PAYMENT		2,487,498	2,487,498	2,613,203	2,738,467	2,872,509	3,014,283	3,157,877	3,307,377	3,466,608
				0.000%	5.053%	4.794%	4.895%	4.936%	4.764%	4.734%	4.814%
20	OPEB UAAL FUNDING (INTO TRUST)		0	0	0	0	138,396	288,920	458,790	645,308	846,125
	S/T EMPLOYMENT EXPENDITURES		16,784,744	17,580,388	18,259,266	19,858,776	20,604,537	21,383,365	22,196,937	23,047,025	23,935,496
				4.740%	3.862%	8.760%	3.755%	3.780%	3.805%	3.830%	3.855%
15	PROGRAM EXPENSES	2.62%	1,743,851	1,748,266	1,896,846	1,946,543	1,997,543	2,049,878	2,103,585	2,158,699	2,215,257
				0.253%	8.499%	2.620%	2.620%	2.620%	2.620%	2.620%	2.620%
21	TRANSFER TO CAPITAL EXPENDITURE FUND		1,070,438	505,140	1,649,100	500,000	520,000	540,800	562,432	584,929	608,326
	TOTAL EXPENDITURES		19,599,033	19,833,794	21,805,212	22,305,319	23,122,080	23,974,043	24,862,954	25,790,653	26,759,080
				1.198%	9.940%	2.294%	3.662%	3.685%	3.708%	3.731%	3.755%
	CAPITAL EXPENDITURE FUND										
	Begining Balance		3,077,205	3,041,382	3,607,431	1,943,331	2,447,882	2,990,991	2,455,487	2,986,192	3,614,217
	Transfer from General Fund	4.00% an increase	1,070,438	1,071,189	0	500,000	520,000	540,800	562,432	584,929	608,326
							4.000%	4.000%	4.000%	4.000%	4.000%
	Use of Money	2.00% over $0 0.00%				38,867	57,915	79,640	58,219	79,448	104,569
		4.00% over $2mm									
	Expenditures		2,542,877	505,140	1,664,100	34,316	34,806	1,155,944	89,946	36,352	205,818
	Ending Balance		1,604,766	3,607,431	1,943,331	2,447,882	2,990,991	2,455,487	2,986,192	3,614,217	4,121,294
	ACTUAL AND ACTUARIAL DEBT										
22	CCCERA UAAL BALANCE, BEGINNING OF YEAR		24,381,000	24,381,000	45,045,193	46,783,835	46,243,680	45,536,574	44,646,260	43,555,168	42,244,313
	Payment				1,527,134	3,931,983	4,059,773	4,191,715	4,327,946	4,468,604	4,613,834
	Interest				3,265,776	3,391,828	3,352,667	3,301,402	3,236,854	3,157,750	3,062,713
					7.250%	7.250%	7.250%	7.250%	7.250%	7.250%	7.250%
	Principal				-1,738,642	540,155	707,106	890,314	1,091,092	1,310,855	1,551,121
	Ending Balance				46,783,835	46,243,680	45,536,574	44,646,260	43,555,168	42,244,313	40,693,192
23	PENSION OBLIGATION BOND BALANCE		24,705,000	24,705,000	23,475,000	22,050,000	20,420,000	18,565,000	16,465,000	14,105,000	11,465,000
	Payment				2,613,203	2,738,467	2,872,509	3,014,283	3,157,877	3,307,377	3,466,608
	Interest	5,22%			1,188,203	1,108,467	1,017,509	914,283	797,877	667,377	521,608
	Principal				1,425,000	1,630,000	1,855,000	2,100,000	2360000	2640000	2945000
	Ending Balance				22,050,000	20,420,000	18,565,000	16,465,000	14,105,000	11,465,000	8,520,000
24	OPEB UAAL BALANCE, BEGINNING OF YEAR		20,000,000	20,000,000	21,000,000	22,522,500	24,155,381	25,768,251	27,347,529	28,871,435	30,319,306
	Payment				0	0	138,396	288,920	458,790	645,308	846,125
	Interest	7.25%			1,522,500	1,632,881	1,751,265	1,868,198	1,982,696	2,093,179	2,198,150
	Principal				-1,522,500	-1,632,881	-1,612,870	-1,579,279	-1,523,906	-1,447,871	-1,352,024
	Ending Balance				22,522,500	24,155,381	25,768,251	27,347,529	28,871,435	30,319,306	31,671,330
	TOTAL ACTUAL AND ACTUARIAL DEBT PAYMENTS	6.00% an increase			4,140,337	6,670,450	7,070,677	7,494,918	7,944,613	8,421,290	8,926,567
	TOTAL ACTUAL AND ACTUARIAL DEBT BALANCE		69,086,000	69,086,000	89,520,193	91,356,335	90,819,061	89,869,825	88,458,790	86,531,604	84,028,619
	GENERAL FUND BALANCE, END OF YEAR		2,656,590	2,712,508	1,184,855	553,227	(583,708)	(1,996,762)	(3,261,971)	(4,367,298)	(5,300,128)
	CAPITAL FUND BALANCE, END OF YEAR		1,604,766	3,607,431	1,943,331	2,447,882	2,990,991	2,455,487	2,986,192	3,614,217	4,121,294
	COMBINED FUND BALANCE, END OF YEAR		4,261,356	6,319,939	3,128,186	3,001,109	2,407,283	458,724	(275,779)	(753,081)	(1,178,834)
	COMBINED FUND BALANCE W/ ACTUARIAL DEBT		(64,824,644)	(62,766,061)	(86,392,007)	(88,355,227)	(88,411,779)	(89,411,101)	(88,734,569)	(87,284,685)	(85,207,453)

Table IV-5c

		20/21	21/22	22/23	23/24	24/25	25/26	26/27	27/28
	GENERAL FUND BALANCE, BEGINNING OF YEAR	(5,300,128)	(6,047,245)	(6,594,813)	(6,928,359)	(7,032,747)	(6,892,165)	(6,490,100)	(5,809,321)
	CAPITAL FUND, BEGINNING OF YEAR	4,121,294	4,783,921	5,513,779	5,503,447	6,356,038	7,270,584	8,250,687	1,224,926
	COMBINED FUND BALANCE, BEGINNING OF YEAR	(1,178,834)	(1,263,323)	(1,081,034)	(1,424,912)	(676,710)	378,419	1,760,586	(4,584,395)
	PERCENT OF OPERATING RESERVES								
	ANNUAL GENERAL FUND (SURPLUS/DEFICIT)	(747,117)	(547,569)	(333,546)	(104,388)	140,582	402,065	680,779	977,464
	GENERAL FUND REVENUES								
1	PROPERTY TAX	24,306,305	25,521,620	26,797,701	28,137,586	29,544,465	31,021,689	32,572,773	34,201,412
		5.000%	5.000%	5.000%	5.000%	5.000%	5.000%	5.000%	5.000%
7	PARCEL TAX	1,099,797	1,103,427	1,107,068	1,110,721	1,114,387	1,118,064	1,121,754	1,125,456
		0.330%	0.330%	0.330%	0.330%	0.330%	0.330%	0.330%	0.330%
2	USE OF MONEY & PROPERTY	0	0	0	0	0	0	0	0
3	INTERGOVERNMENTAL REVENUE	318,320	321,503	324,718	327,965	331,245	334,557	337,903	341,282
		1.000%	1.000%	1.000%	1.000%	1.000%	1.000%	1.000%	1.000%
4	CHARGES FOR SERVICES	124,484	127,746	131,093	134,527	138,052	141,669	145,381	149,190
		2.620%	2.620%	2.620%	2.620%	2.620%	2.620%	2.620%	2.620%
5/16	AMBULANCE FEES (net)	1,145,038	1,175,038	1,205,824	1,237,416	1,269,836	1,303,106	1,337,248	1,372,283
5	Gross fees	1,222,024	1,254,041	1,286,897	1,320,614	1,355,214	1,390,721	1,427,158	1,464,549
16	Expenses	76,987	79,004	81,074	83,198	85,378	87,615	89,910	92,266
		2.620%	2.620%	2.620%	2.620%	2.620%	2.620%	2.620%	2.620%
6	OTHER REVENUE (INCLUDES SAFER GRANT)	29,220	29,512	29,807	30,106	30,407	30,711	31,018	31,328
		1.000%	1.000%	1.000%	1.000%	1.000%	1.000%	1.000%	1.000%
	TOTAL REVENUES	27,023,164	28,278,845	29,596,211	30,978,321	32,428,392	33,949,796	35,546,076	37,220,950
	GENERAL FUND EXPENDITURES								
8	REGULAR SALARIES	8,638,524	8,864,854	9,097,113	9,335,457	9,580,046	9,831,044	10,088,617	10,352,939
	Net Increase	2.620%	2.620%	2.620%	2.620%	2.620%	2.620%	2.620%	2.620%
	Inflation adjustment	2.62%	2.62%	2.62%	2.62%	2.62%	2.62%	2.62%	2.62%
25	Senior Administration	958,155	983,259	1,009,020	1,035,456	1,062,585	1,090,425	1,118,994	1,148,312
		5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
	Clerical	479,078	491,629	504,510	517,728	531,293	545,213	559,497	574,156
		9	9	9	9	9	9	9	9
	FIrefighters	7,201,292	7,389,966	7,583,583	7,782,273	7,986,168	8,195,406	8,410,125	8,630,471
		51	51	51	51	51	51	51	51
9	TEMPORARY SALARIES	251,965	258,566	265,340	272,292	279,426	286,747	294,260	301,970
		2.620%	2.620%	2.620%	2.620%	2.620%	2.620%	2.620%	2.620%
10	OVERTIME	1,620,761	1,663,225	1,706,802	1,751,520	1,797,410	1,844,502	1,892,828	1,942,420
		2.620%	2.620%	2.620%	2.620%	2.620%	2.620%	2.620%	2.620%
11	PAYROLL TAXES	167,560	171,950	176,455	181,078	185,822	190,691	195,687	200,814
		2.620%	2.620%	2.620%	2.620%	2.620%	2.620%	2.620%	2.620%
12	OTHER BENEFITS & SALARY EXPENSE	146,195	150,025	153,956	157,989	162,129	166,377	170,736	175,209
		2.620%	2.620%	2.620%	2.620%	2.620%	2.620%	2.620%	2.620%
13	WORKERS COMPENSATION	835,899	857,800	880,274	903,337	927,005	951,292	976,216	1,001,793
		2.620%	2.620%	2.620%	2.620%	2.620%	2.620%	2.620%	2.620%
14	MEDICAL & DENTAL	1,893,663	1,943,277	1,994,191	2,046,439	2,100,056	2,155,077	2,211,540	2,269,483
		2.620%	2.620%	2.620%	2.620%	2.620%	2.620%	2.620%	2.620%
	Active Employees	776,497	796,842	817,719	839,143	861,129	883,690	906,843	930,602
	Retired Employees	1,117,166	1,146,436	1,176,473	1,207,296	1,238,927	1,271,387	1,304,698	1,338,881
17	CCCERA EMPLOYER PAYMENT	1,847,596	1,896,003	1,945,678	1,996,655	2,048,967	2,102,650	2,157,739	2,214,272
		2.620%	2.620%	2.620%	2.620%	2.620%	2.620%	2.620%	2.620%
18	CCCERA UAAL FUNDING	4,763,784	4,918,607	5,078,461	5,243,511	5,413,925	5,589,878	5,771,549	5,959,124
		3.250%	3.250%	3.250%	3.250%	3.250%	3.250%	3.250%	3.250%
19	PENSION OBLIGATION BOND PAYMENT	3,624,527	3,790,090	1,687,934					
		4.555%	4.568%						
20	OPEB UAAL FUNDING (INTO TRUST)	1,073,851	1,321,194	3,865,289	6,026,074	6,531,835	7,072,628	7,650,708	8,268,468
	S/T EMPLOYMENT EXPENDITURES	24,864,324	25,835,591	26,851,494	27,914,354	29,026,622	30,190,886	31,409,880	32,686,491
		3.881%	3.906%	3.932%	3.958%	3.985%	4.011%	4.038%	4.064%
15	PROGRAM EXPENSES	2,273,297	2,332,857	2,393,978	2,456,700	2,521,066	2,587,118	2,654,900	2,724,459
		2.620%	2.620%	2.620%	2.620%	2.620%	2.620%	2.620%	2.620%
21	TRANSFER TO CAPITAL EXPENDITURE FUND	632,660	657,966	684,285	711,656	740,122	769,727	800,516	832,537
	TOTAL EXPENDITURES	27,770,281	28,826,414	29,929,756	31,082,710	32,287,810	33,547,731	34,865,296	36,243,486
		3.779%	3.803%	3.828%	3.852%	3.877%	3.902%	3.927%	3.953%
	CAPITAL EXPENDITURE FUND								
	Begining Balance	4,121,294	4,783,921	5,513,779	5,503,447	6,356,038	7,270,584	8,250,687	1,224,926
	Transfer from General Fund	632,660	657,966	684,285	711,656	740,122	769,727	800,516	832,537
		4.000%	4.000%	4.000%	4.000%	4.000%	4.000%	4.000%	4.000%
	Use of Money	124,852	151,357	180,551	180,138	214,242	250,823	290,027	24,499
	Expenditures	94,884	79,465	875,168	39,203	39,817	40,448	8,116,304	41,758
	Ending Balance	4,783,921	5,513,779	5,503,447	6,356,038	7,270,584	8,250,687	1,224,926	2,040,203
	ACTUAL AND ACTUARIAL DEBT								
22	CCCERA UAAL BALANCE, BEGINNING OF YEAR	40,693,192	38,879,665	36,779,834	34,367,911	31,616,073	28,494,313	24,970,272	21,009,068
	Payment	4,763,784	4,918,607	5,078,461	5,243,511	5,413,925	5,589,878	5,771,549	5,959,124
	Interest	2,950,256	2,818,776	2,666,538	2,491,674	2,292,165	2,065,838	1,810,345	1,523,157
		7.250%	7.250%	7.250%	7.250%	7.250%	7.250%	7.250%	7.250%
	Principal	1,813,527	2,099,831	2,411,923	2,751,838	3,121,760	3,524,040	3,961,204	4,435,967
	Ending Balance	38,879,665	36,779,834	34,367,911	31,616,073	28,494,313	24,970,272	21,009,068	16,573,101
23	PENSION OBLIGATION BOND BALANCE	8,520,000	5,255,000	1,645,000					
	Payment	3,624,527	3,790,090	1,687,934					
	Interest	359,527	180,090	42,934					
	Principal	3265000	3610000	1645000					
	Ending Balance	5,255,000	1,645,000	0					
24	OPEB UAAL BALANCE, BEGINNING OF YEAR	31,671,330	32,893,651	33,957,247	32,553,858	28,887,939	24,450,479	19,150,510	12,888,215
	Payment	1,073,851	1,321,194	3,865,289	6,026,074	6,531,835	7,072,628	7,650,708	8,268,468
	Interest	2,296,171	2,384,790	2,461,900	2,360,155	2,094,376	1,772,660	1,388,412	934,396
	Principal	-1,222,321	-1,063,595	1,403,389	3,665,919	4,437,460	5,299,968	6,262,296	7,334,072
	Ending Balance	32,893,651	33,957,247	32,553,858	28,887,939	24,450,479	19,150,510	12,888,215	5,554,143
	TOTAL ACTUAL AND ACTUARIAL DEBT PAYMENTS	9,462,161	10,029,891	10,631,684	11,269,585	11,945,761	12,662,506	13,422,257	14,227,592
	TOTAL ACTUAL AND ACTUARIAL DEBT BALANCE	80,884,523	77,028,316	72,382,081	66,921,769	60,504,011	52,944,792	44,120,783	33,897,283
	GENERAL FUND BALANCE, END OF YEAR	(6,047,245)	(6,594,813)	(6,928,359)	(7,032,747)	(6,892,165)	(6,490,100)	(5,809,321)	(4,831,857)
	CAPITAL FUND BALANCE, END OF YEAR	4,783,921	5,513,779	5,503,447	6,356,038	7,270,584	8,250,687	1,224,926	2,040,203
	COMBINED FUND BALANCE, END OF YEAR	(1,263,323)	(1,081,034)	(1,424,912)	(676,710)	378,419	1,760,586	(4,584,395)	(2,791,654)
	COMBINED FUND BALANCE W/ ACTUARIAL DEBT	(82,147,846)	(78,109,351)	(73,806,993)	(67,598,478)	(60,125,592)	(51,184,205)	(48,705,177)	(36,688,937)

Table IV-5c

	Budget 12/13	PROJ ACTUALS 12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20

Notes

Table IV-5c
1) Reduce staff in 2014/15
Admin
Board cut one Batallion Chief position for 2013/14 fiscal year saving $300,000.
Firefighters
Cut one full time ambulance, reduce staff per shift to 17, total staff to 51
RESULT: Expenses reduced by over $1.5mm per year but not out the the red until 2024/25. Combined fund balance almost recovers by 2028.
Total unfunded balance, including negative reserve, reduced to $37mm by 2028.

Table IV-5b
1) Ambulance fees net of expenses
2) Increase "use of money" income to 2% for fund balance up to $2mm / 4% in excess of $2mm for general and capital funds
3) Cost Inflation = 2.62% (not 1-2%)
Inflation over the past 15 years has been 2.62% (see Historical Rates tab). All expenses should inflate at this rate unless otherwise noted.
4) Tax increase = 5%.
Orinda properties now have a market value of approximately twice the assessed value. Each home that sells creates an assessed value increase of 100%
If 4% of Orinda homes sell that increases tax base 4%; other 96% of homes increase 2% for a total of 6% increase. Wilder will increase tax base 10% total - spread over 10 years is 1% per year. That adds up to 7% per ye
Moraga has lagged Orinda by 1% but only accounts for 1/3 of total tax
Average over 6.5%. 5% assumption is not overly aggressive.
Since 1997 ad valorem taxes have increased an average of 5.4% including the 1.7% average in the past 5 years.
RESULT: maximum negative fund balance increases a bit to $29; but net unfunded balance drops to $63mm by 2028.

Rev.2
1) Restates Pension UAAL to reflect actual balance as of 12/31/2012; CCCERA assumed earning rate and CCCERA scheduled payments.
2) Restates OPEB UAAL to reflect 6/30/2009 value inflated to 6/30/2013; discounted at 7.25%.
3) Funds OPEB UAAL assuming total funding for Pension Bond, Pension UAAL and OPEB UAAL increase at 6%; 1% over tax revenue increase rate.
Rationalle being other expenses increase at less than 4%.
RESULT: maximum negative fund balance increases to $27; net unfunded balance nearly triples to $70mm by 2028.

Rev.1
1) Puts all revenue, including parcel taxes, into general fund
2) Reorganizes line items into empoyee and other costs
3) Funds capital account with levalized transfers from General Fund
RESULT: same maximum negative fund balance of $11mm in 2022 and same net unfunded balance as 9/4/2013 MOFD base case of $25mm by 2028.

Done 7 - Capital Fund Revenues (Parcel Tax) should be part of General Fund Revenues and a transfer from the General Fund the the Capital Fund should be made each year.

Done 15 & 21 - Program and Capital expenses are the only two non-employee expenses. Employee expenses should be sub-totaled and these two put at the bottom.

Done 16 - Ambulance Admin Fees should be netted out of Ambulance fees in the Revenue section

Done 21 - Capital Expenses - a "constant" annual funding of the capital account should be made from the general fund to fund anticipated future capital expenses and a separate capital account should be created

22 - CCCERA UAAL - Math shows payments made in advance with a 6.76% interest rate and a $46.157mm starting balance.
CCCERA said MOFD had a $45.045mm UAAL as of 12/31/2012
Adjusting for market value of assets this balance is actually only $41.262mm
Done However, CCCERA currently uses UAAL to determine "required" payments (see CCCERA UAAL sheet which derives scheduled payments)
Done CCCERA uses a 7.25% interest rate
Payments would be made in arrears - balance as of 12/31/2012 is not announced until at least 6/30/2013 and 2013/14 FY payments would have a midpoint of 12/31/2013, one year in arrears.

24 - OPEB UAAL - Math shows payments made in advance with a very low variable interest rate and a $11.892mm starting balance.
The last OPEB report (as of 6/30/2009) MOFD's OPEB unfunded liability was $24.1mm using a 4.25% discount rate
In FY 2008/09 from which that OPEB report was based retiree medical expenses were $685.000
Last year retiree medical expenses were $900,000, a 30% increase.
Based on this increase, OPEB liability could be $32mm using a 4.25% discount rate
Done This would still be $21mm using a 7.25% discount rate or $25mm using a 6% discount rate.
Done OPEB Payments sized such that total payments for unfunded liabilties grow at 6%, 1% above assumed tax revenue growth as inflation adjusted expenses are at least 1% below tax revenue growth

25 - Senior Administration (9/4/2013)
1 - Chief
1 - Division Chief
1 - Battalion Chief
1 - Fire Marshall
1 - Administrative Services Director