

Moraga-Orinda Fire District

Board of Directors

CALL AND NOTICE OF A SPECIAL MEETING March 20, 2019 7:00 P.M. PUBLIC WORKSHOP

PLEASE NOTE NEW MEETING ADDRESS:

Sarge Littlehale Community Room 22 Orinda Way Orinda, CA 94563

1. OPENING CEREMONIES

- 1.1. Call the Meeting to Order
- 1.2. Roll Call
- 1.3. Pledge of Allegiance

2. PUBLIC COMMENT

The public is invited to speak on any matter not appearing on the agenda and within the subject matter jurisdiction of the District. Comments should be limited to three minutes. Please state your name and address for the record.

3. REGULAR CALENDAR

3.1. Public Workshop – Long Range Financial Forecast

The Moraga-Orinda Fire District Board is in the process of preparing the Long Range Financial Forecast and seeks the public's advice and input.

Staff Recommendation: 1) Discuss; 2) Deliberate; 3) Provide Direction to Staff on Assumptions

4. ADJOURNMENT

The Moraga-Orinda Fire Protection District ("District"), in complying with the Americans with Disabilities Act ("ADA"), requests individuals who require special accommodations to access, attend and/or participate in District Board meetings due to a disability, to please contact the District Chief's office, (925) 258-4599, at least one business day prior to the scheduled District Board meeting to ensure that we may assist you.

Any disclosable public records related to an open session item on a regular meeting agenda and distributed by the Moraga-Orinda Fire District to a majority of members of the Board of Directors less than 72 hours prior to that meeting are available for public inspections at 1280 Moraga Way during normal business hours.

I hereby certify that this agenda in its entirety was posted on March 14, 2019, at the Moraga and Orinda Fire Administration offices, Stations 41, 42, 43, 44, and 45. Agenda faxed to the Moraga Town Office (Hacienda), Orinda City Hall and Orinda and Moraga libraries.

Interim District Secretary/Clerk



Moraga-Orinda Fire District

TO: Board of Directors

FROM: Long Range Financial Plan Ad Hoc Committee

DATE: March 20, 2019

SUBJECT: Item 3.1 - Long Range Financial Forecast March 2019

Background

The Board of Directors Long Range Financial Plan Ad Hoc Committee met twice to review the Long Range Financial Forecast (Forecast). The Forecasts (Attachments A and B) have been updated based on Board direction provided during Ad Hoc Committee meetings.

Previously the Forecast covered a forward-looking 15-year period. The Committee changed the Forecast to a forward-looking 10-year period.

The Forecasts use several significant assumptions, which are explained below.

General Fund Revenues

Property tax - projected to increase 3% throughout Version A, 4% throughout Version B

Fire flow tax – Record in General Fund and transferred out to the Capital Projects Fund and Debt Service Fund

Ambulance fees – Projected to increase 1.5% throughout the Forecast

Strike team revenue – Projected net of overtime costs

General Fund Expenditures

Regular salaries – Per the Safety MOU: July 1, 2019 +5%, July 1, 2020 +3%, then +3% throughout.

Overtime – Per the Safety MOU: July 1, 2019 +5%, July 1, 2020 +3%, then +3% throughout.

Benefits – Capped per the MOUs (no increases)

Retiree health insurance – Capped per the MOUs (no increases)

Operating expenses – Projected to increase 3% throughout based on CPI.

CCCCERA employer payment – Five year projections are provided by Segal, CCCERA's actuary, as follows:

2019/20 Actual rates set by the CCCERA board of directors on August 22 2018 2020/21 +0.92%

2021/22 +3.86%

2022/23 +2.84%

```
2023/24 +2.06%
2024/25 +7.47% (UAAL actuarial gain layer dropping off due to full amortization)
2025/26 forward – No projections are provided by CCCERA. The remaining years project +1.0%.
```

OPEB funding – The Forecast includes OPEB contributions based on actuarial calculations used in the GASB 75 OPEB Valuation Report as of June 30, 2018 which were calculated using a discount rate of 6.25% and 18-year closed amortization period.

Pension rate stabilization – The Forecast includes pension rate stabilization trust contributions as follows based on GovInvest software calculations using discount rate of 6.25%, actual CCCERA investment earnings of 13.9% and -2.7%, and actual salary increases per the District's safety MOU:

```
2019/20 $1,997,514
2020/21 $2,163,379
2021/22 $2,050,993
2022/23 $1,809,318
```

Capital Projects Fund

The Long Range Financial Forecast - Capital Expenditures (Attachment C), has been updated.

Fund Balance Policy and Fund Balance Goal

The District's Fund Balance Policy states the District will maintain a minimum unrestricted fund balance in the General Fund of 17% of budgeted General Fund revenue. The Board set a goal to maintain a minimum unrestricted fund balance in the General Fund of 50% of budgeted General Fund revenue.

In Version A, the unrestricted fund balance is projected to be less than the minimum per the policy in 2020/21 through 2023/24 and in Version B, 2020/21 through 2021/22.

Long Range Financial Forecast Results

Both versions of the Forecast show a deficit in the General Fund with expenditures exceeding revenue (including OPEB and pension trust contributions) in FY2019/20 and FY2020/21. The Forecast shows a Capital Projects Fund deficit is projected in most years.

Summary of Unfunded Liabilities

The Committee added a section to the Forecast titled Summary of Unfunded Liabilities. It includes projections of the District's unfunded pension liabilities calculated using the GovInvest software based on CCCERA's actuarial assumptions and based on the District's actuarial assumptions. It also includes projections of the District's OPEB unfunded liabilities based on the District's OPEB actuarial assumptions and planned trust contributions.

Next Steps

The next steps are to update the Forecast based on board direction. The Forecast is scheduled for adoption at a Special Meeting on March 27, 2019.

Recommended Action

1) Discuss; 2) Deliberate; 3) Provide direction to staff

Attachments

Attachment A – Long Range Financial Forecast Version A 3% Property Tax Revenue Growth Attachment B – Long Range Financial Forecast Version B 4% Property Tax Revenue Growth Attachment C – Capital Expenditures
Attachment D – Staffing Summary

Moraga-Orinda Fire Protection District Long Range Financial Forecast

Version A - 3% Annual Property Tax Revenue Increase

Draft Update March 2019

	ACTUAL 45/46	ACTUAL 16/17	ACTUAL 47/40	DDO 1 49/40	DDO 1 40/20	DDO 1 20/24	PROJ 21/22	I DDO Laayaa I	PROJ 23/24	DDO LOVIDE	DDO LAFIA	DDO 1 26/27	DDO 1 27/20	PROJ 28/29	ASSN	LACCM	ASSM	ACCM	ASSM	ASSM
1 GENERAL FUND BALANCE UNASSIGNED, BEGINNING	1,960,579	3,607,130	4,867,979	6,297,534	PROJ 19/20 6.396.960	PROJ 20/21 5,047,554	3.244.353	PROJ 22/23 3,243,018	4,083,762	5,257,406	PROJ 25/26 6,102,284	5,811,378	PROJ 27/28 6,720,395	7.839.624	19/20		21/22	22/23	23/24 :	24/25 - 28/29
2 GENERAL FUND REVENUES			, , , , , , ,						, ,					, , , , , ,						
3 PROPERTY AD VALOREM TAX	17,624,222	18,901,827	19,843,842	20,862,349	21,429,283	22,008,886	24,939,124	27,470,093	28,294,196	29,143,022	30,017,313	30,917,832	31,845,367	32,800,728	3.009	3.00%	3.00%	3.00%	3.00%	3.00%
4 FIRE FLOW PARCEL TAX				1,084,245	1,087,823	1,091,413	1,095,014	1,098,628	1,102,254	1,105,891	1,109,540	1,113,202	1,116,875	1,120,561	0.339	6 0.33%	0.33%	0.33%	0.33%	0.33%
5 USE OF MONEY & PROPERTY	2,938	4,409	90,725	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000			0.00%	0.00%	0.00%	0.00%
6 INTERGOVERNMENTAL REVENUE	277,429	263,358	252,467	246,653	249,120	251,611	254,127	256,668	259,235	261,827	264,445	267,090	269,761	272,458			1.00%	1.00%	1.00%	1.00%
7 CHARGES FOR SERVICES/OTHER	385,393	386,972	438,422	345,878	349,337	352,830	356,358	359,922	363,521	367,156	370,828	374,536	378,282	382,064			1.00%	1.00%	1.00%	1.00%
8 AMBULANCE FEES 9 STRIKE TEAM REVENUE (Net of Overtime Costs)	997,389	1,116,153	1,082,685	1,498,632	1,521,111	1,543,928	1,567,087	1,590,593	1,614,452	1,638,669	1,663,249	1,688,198	1,713,521	1,739,224			1.50%	1.50%	1.50%	1.50%
10 OTHER REVENUE (FEDERAL GRANTS)	95,714 323,896	205,485	442,519 182,228	172,438 512,000	100,000 430.000	103,000 231,248	106,090	109,273	112,551	115,927	119,405	122,987	126,677	130,477	0.009 NA	6 3.00% NA	3.00% NA	3.00% NA	3.00% NA	3.00% NA
11 TOTAL GENERAL FUND REVENUES	19,706,981	20,878,204	22,332,888	24,762,195	25,206,673	25,622,916	28,357,801	30,925,177	31,786,209	32,672,493	33,584,781	34,523,845	35,490,483	36,485,513	INA	INA	INA	INA	INA	INA
12 GENERAL FUND EXPENDITURES	10,700,001	20,070,204	22,002,000	24,702,100	20,200,070	20,022,010	20,007,001	00,020,177	01,700,200	02,072,400	00,004,701	04,020,040	00,400,400	00,400,010		1				
13 SALARIES	7,517,701	8,065,559	8,551,976	9,129,531	9,586,008	9,873,588	10,169,795	10,474,889	10,789,136	11,112,810	11,446,194	11,789,580	12,143,268	12,507,566	5.009	6 3.00%	3.00%	3.00%	3.00%	3.00%
14 OVERTIME (Excluding Strike Team)	1,695,373	1,863,487	2,040,455	2,550,000	2,677,500	2,757,825	2,840,560	2,925,777	3,013,550	3,103,956	3,197,075	3,292,987	3,391,777	3,493,530			3.00%	3.00%	3.00%	3.00%
15 BENEFITS	1,767,674	1,718,076	1,812,718	2,023,175	2,023,175	2,023,175	2,023,175	2,023,175	2,023,175	2,023,175	2,023,175	2,023,175	2,023,175	2,023,175	0.009	6 0.00%	0.00%	0.00%	0.00%	0.00%
16 RETIREE HEALTH INSURANCE	859,224	827,604	821,299	910,000	910,000	910,000	910,000	910,000	910,000	910,000	910,000	910,000	910,000	910,000	0.009		0.00%	0.00%	0.00%	0.00%
17 OPERATING EXPENSES	1,981,364	2,153,714	2,251,574	2,626,047	2,704,828	2,785,973	2,869,552	2,955,639	3,044,308	3,135,637	3,229,707	3,326,598	3,426,396	3,529,188	3.009	3.00%	3.00%	3.00%	3.00%	3.00%
18 CCCERA EMPLOYER PAYMENT - NORMAL COST	4,063,149	4,395,376	1,870,925	1,920,000	2,004,049	2,101,195	2,319,030	2,506,509	2,670,385	3,076,978	3,216,197	3,360,995	3,511,583	3,668,175				Rates (4)	,	
19 CCCERA EMPLOYER PAYMENT - UAAL PAYMENT		050.000	2,806,387	2,880,000	3,006,073	3,151,793	3,478,545	3,759,764	4,005,578	4,615,467	4,824,295	5,041,493	5,267,374	5,502,262		1		Rates (6		
20 OPEB FUNDING (INTO TRUST)	94,000	256,000	374,000	439,771	559,108	567,777	602,471	620,734	681,848	723,477	791,157	840,523	887,295	951,563			Actuary	Actuary	Actuary	Actuary
21 PENSION RATE STABILIZATION (INTO TRUST) 22 TOTAL GENERAL FUND EXPENDITURES	17,978,485	300,000 19,579,816	374,000 20,903,334	1,100,000 23,578,524	1,997,514 25,468,256	2,163,379 26,334,705	2,050,993 27,264,122	1,809,318 27,985,805	1,772,330 28,910,311	1,420,223 30,121,724	1,328,346 30,966,146	1,216,275 31,801,626	1,093,511 32,654,378	653,218 33,238,676	Govinv	esiGovInves	Govinves	Govinves	Govinves	GovInvest
23 TRANSFER TO CAPITAL FUND - FIRE FLOW TAX	17,970,465	19,379,016	20,903,334	(72,431)	(76,274)	(168,465)	(172,566)	(777,058)	(781,419)	(784,909)	(788,539)	(792,312)	(795,234)	(799,297)						
24 TRANSFER TO DEBT SERVICE FUND - FIRE FLOW TAX				(1,011,814)	(1,011,549)	(922,948)	(922,448)	(321,570)	(320,835)	(320,982)	(321,001)	(320,890)	(321,641)	(321,264)						
25 TRANSFER OUT TO CAPITAL FUND				(1,011,011)	(1,011,010)	(022,010)	(022,110)	(1,000,000)	(600,000)	(600,000)	(1,800,000)	(700,000)	(600,000)	(3,400,000)						
26 ANNUAL GENERAL FUND SURPLUS (DEFICIT)	1,728,496	1,298,388	1,429,554	99,426	(1,349,405)	(1,803,201)	(1,335)	840,744	1,173,644	844,877	(290,906)	909,017	1,119,229	(1,273,725)						
27 GENERAL FUND BALANCE UNASSIGNED, END	3,689,075	4,905,518	6,297,534	6,396,960	5,047,554	3,244,353	3,243,018	4,083,762	5,257,406	6,102,284	5,811,378	6,720,395	7,839,624	6,565,899						
28 UNRESTRICTED FUND BAL AS PERCENT OF GENERAL FUND REVENUE	18.72%	23.50%	28.20%	25.83%	20.02%	12.66%	11.44%	13.21%	16.54%	18.68%	17.30%	19.47%	22.09%	18.00%						
29																				
30 CAPITAL FUND BALANCE, BEGINNING OF YEAR	4,314,565	10,068,070	9,856,415	8,348,371	4,456,944	3,539,880	2,773,001	1,990,227	1,382,414	1,331,878	1,274,800	1,310,946	1,341,573	1,265,455	19/20		21/22	22/23		24/25 - 28/29
31 CAPITAL FUND REVENUES	6,812,085	4,044,800	1,389,215	218,286	66,854	53,098	41,595	29,853	20,736	19,978	19,122	19,664	20,124	18,982	1.509		<u> </u>		ent Earning	,
32 CAPITAL EXPENDITURES	1,058,580	3,894,381	1,885,289	4,182,144	1,060,192	988,442	996,936	2,414,724	1,452,691	1,461,965	2,571,516	1,481,349	1,491,476	4,242,268	* NA	NA	NA	NA	NA	NA
33 TRANSFER IN FROM GENERAL FUND - FIRE FLOW TAX 34 TRANSFER IN FROM GENERAL FUND				72,431	76,274	168,465	172,566	777,058 1,000,000	781,419 600,000	784,909 600,000	788,539 1,800,000	792,312 700,000	795,234 600,000	799,297 3,400,000		_				
35 TRANSFER OUT TO DEBT SERVICE FUND - FIRE FLOW TAX		(362.074)	(1,011,970)					1,000,000	600,000	600,000	1,600,000	700,000	600,000	3,400,000		+				
36 ANNUAL CAPITAL FUND SURPLUS (DEFICIT)	5,753,505	(211.655)	(1,508,044)	(3.891.427)	(917.064)	(766 879)	(782 775)	(607 813)	(50.536)	(57 078)	36,146	30,627	(76,118)	(23,990)	NA	NA	NA	NA	NA	NA
37 CAPITAL FUND BALANCE, END OF YEAR	10.068.070	9,856,415	8,348,371	4,456,944	3.539.880	2,773,001	1.990.227	1,382,414	1.331.878	1,274,800	1.310.946	1,341,573	1,265,455	1,241,466	NA.	NA	NA	NA	NA	NA
38			-,,	.,,	2,222,222		_,	2,002,120		-, ,,	_,					1		1		
39 DEBT SERVICE FUND BALANCE, BEGINNING	2,388,226	2,587,823	2,793,645	3,008,656	3,245,752	3,488,887	3,748,671	1,689,450	1,515	1,515	1,515	1,515	1,515	1,515						
40 PROPERTY AD VALOREM TAX	3,069,093	3,220,105	3,377,364	3,544,473	3,709,744	3,884,311	1,730,869								NA	NA	NA	NA	NA	NA
41 DEBT SERVICE FUND EXPENDITURES - PENSION OBLIGATION BONDS	2,872,509	3,376,357	4,174,323	4,319,191	3,466,609	3,624,527	3,790,090	1,687,935	0	0	0	0	0	0						
42 DEBT SERVICE FUND EXPENDITURES - OTHER DEBT					1,011,549	922,948	922,448	321,570	320,835	320,982	321,001	320,890	321,641	321,264						
43 TRANSFER IN FROM GENERAL FUND - FIRE FLOW TAX	2 504 040	362,074	1,011,970	1,011,814	1,011,549	922,948	922,448	321,570	320,835	320,982	321,001	320,890	321,641	321,264	210	NIA.	NIA	N10	N/A	NIA
44 DEBT SERVICE FUND BALANCE, END OF YEAR 45	2,584,810	2,793,645	3,008,656	3,245,752	3,488,887	3,748,671	1,689,450	1,515	1,515	1,515	1,515	1,515	1,515	1,515	NA	NA	NA	NA	NA	NA
46 COMBINED UNRESTRICTED FUND BALANCE, BEGINNING OF YEAR	6,275,144	13,675,200	14,724,394	14,645,905	10,853,904	8,587,434	6,017,355	5,233,244	5,466,176	6,589,284	7,377,084	7,122,324	8,061,968	9,105,080	NA	NA	NA	NA	NA	NA
47 TOTAL REVENUES	26,519,066	24,923,004		24,980,481	25,273,528	25,676,015	28,399,396	30,955,031	31,806,945	32,692,471	33,603,903	34,543,509	35,510,606	36,504,495	NA.	NA.	NA	NA NA	NA	NA
48 TOTAL EXPENDITURES	19,037,065	23,836,271	23,800,593	28,772,482	27,539,997	28,246,094	29,183,506	30,722,099	30,683,836	31,904,671	33,858,663	33,603,865	34,467,495	37,802,209	NA	NA	NA	NA	NA	NA
49 COMBINED UNRESTRICTED FUND BALANCE, END OF YEAR	13,757,145	14,761,933	14,645,905	10,853,904	8,587,434	6,017,355	5,233,244	5,466,176	6,589,284	7,377,084	7,122,324	8,061,968	9,105,080	7,807,365	NA	NA	NA	NA	NA	NA
50																				
51 STAFFING SUMMARY				78.20	78.20	78.20	78.20	78.20	78.20	78.20	78.20	78.20	78.20	78.20						
52 FIRE PREVENTION (Memo Figure)		447,359	464,445	622,916	623,068	636,877	651,032	665,542	680,415	695,661	711,290	727,310	743,732	760,567						
53																				
54 SUMMARY OF UNFUNDED LIABILITIES 55																				
56 CCCERA PROJECTED OBLIGATION					5,010,122	5,252,988	5,797,576	6,266,273	6,675,964	7,692,445	8,040,492	8,402,488	8,778,957	9,170,437	7.009	6 7.00%	7.00%	7.00%	7.00%	7.00%
57 GOVINVEST PROJECTED OBLIGATION					7,007,637	7,416,366	7,848,568	8,075,591	8,448,294	9.112.669	9.368.838	9.618.763	9,872,468	9,823,655	6.259		6.25%	6.25%	6.25%	6.25%
58 DIFFERENCE - RECOMMENDED PENSION TRUST CONTRIBUTION					1,997,514	2,163,379	2,050,993	1,809,318	1,772,330	1,420,223	1,328,346	1,216,275	1,093,511	653,218	0.207	0.2070	0.2070	0.2070	0.2070	0.2070
59 PENSION INFORMATION BASED ON CCCERA ASSUMPTIONS:**																				
60 PENSION NET LIABILITY, BEGINNING				23,498,575	29,058,396	31,708,729	32,930,134	33,490,563	31,779,681	28,841,939	25,198,404	20,879,760	16,088,654	10,804,003						
							3,478,545	3,759,764	4,005,578	4,615,467	4,824,295	5,041,493	5,267,374	5,502,262						
61 CCCERA EMPLOYER PAYMENT - UAAL PAYMENT				2,880,000	3,006,073	3,151,793	-, -,-													
61 CCCERA EMPLOYER PAYMENT - UAAL PAYMENT 62 PENSION NET LIABILITY, ENDING			23,498,575	2,880,000 29,058,396	3,006,073 31,708,729	3,151,793 32,930,134	33,490,563	31,779,681	28,841,939	25,198,404	20,879,760	16,088,654	10,804,003	5,121,537						
62 PENSION NET LIABILITY, ENDING			23,498,575	,,	.,,.	., . ,	-, -,-	31,779,681	28,841,939	25,198,404	20,879,760	16,088,654	10,804,003	5,121,537						
62 PENSION NET LIABILITY, ENDING 63 PENSION INFORMATION BASED ON DISTRICT ASSUMPTIONS:***		40 505 000		29,058,396	31,708,729	32,930,134	33,490,563													
62 PENSION NET LIABILITY, ENDING 63 PENSION INFORMATION BASED ON DISTRICT ASSUMPTIONS:*** 64 PENSION NET LIABILITY, BEGINNING		48,535,092	47,803,123	29,058,396 47,048,699	31,708,729 49,089,312	32,930,134 50,676,394	33,490,563 50,743,901	50,152,183	47,501,782	43,660,364	39,058,818	33,707,243	27,798,967	21,305,344						
62 PENSION NET LIABILITY, ENDING 63 PENSION INFORMATION BASED ON DISTRICT ASSUMPTIONS:*** 64 PENSION NET LIABILITY, BEGINNING 65 RECOMMENDED PENSION RATE STABILIZATION TRUST CONTRIBUTION*****	0	48,535,092 300,000		29,058,396 47,048,699 1,100,000	31,708,729 49,089,312 1,997,514	32,930,134 50,676,394 2,163,379	33,490,563 50,743,901 2,050,993	50,152,183 1,809,318	47,501,782 1,772,330	43,660,364 1,420,223	39,058,818 1,328,346	33,707,243 1,216,275	27,798,967 1,093,511	21,305,344 653,218	£ 2F0	/ 6.2E0/	6.25%	6.25%	6.25%	6.25%
62 PENSION NET LIABILITY, ENDING 63 PENSION INFORMATION BASED ON DISTRICT ASSUMPTIONS:*** 64 PENSION NET LIABILITY, BEGINNING 65 RECOMMENDED PENSION RATE STABILIZATION TRUST CONTRIBUTION**** 66 PENSION TRUST EARNINGS****	0	300,000	47,803,123 374,000	29,058,396 47,048,699 1,100,000 112,528	31,708,729 49,089,312 1,997,514 244,406	32,930,134 50,676,394 2,163,379 394,892	33,490,563 50,743,901 2,050,993 547,760	50,152,183 1,809,318 695,077	47,501,782 1,772,330 849,290	43,660,364 1,420,223 991,135	39,058,818 1,328,346 1,136,103	33,707,243 1,216,275 1,283,126	27,798,967 1,093,511 1,431,666	21,305,344 653,218 1,561,971	6.259			6.25%	6.25% 6.25%	6.25% 6.25%
62 PENSION NET LIABILITY, ENDING 63 PENSION INFORMATION BASED ON DISTRICT ASSUMPTIONS:*** 64 PENSION NET LIABILITY, BEGINNING 65 RECOMMENDED PENSION RATE STABILIZATION TRUST CONTRIBUTION**** 66 PENSION TRUST EARNINGS***	0	300,000 304,837	47,803,123 374,000 700,449	29,058,396 47,048,699 1,100,000 112,528 1,912,977	31,708,729 49,089,312 1,997,514 244,406 4,154,897	32,930,134 50,676,394 2,163,379 394,892 6,713,168	33,490,563 50,743,901 2,050,993 547,760 9,311,921	50,152,183 1,809,318 695,077 11,816,317	47,501,782 1,772,330 849,290 14,437,937	43,660,364 1,420,223 991,135 16,849,296	39,058,818 1,328,346 1,136,103 19,313,745	33,707,243 1,216,275 1,283,126 21,813,146	27,798,967 1,093,511 1,431,666 24,338,323	21,305,344 653,218 1,561,971 26,553,512	6.259		6.25%	6.25% 6.25%	6.25% 6.25%	6.25% 6.25%
62 PENSION NET LIABILITY, ENDING 63 PENSION INFORMATION BASED ON DISTRICT ASSUMPTIONS:*** 64 PENSION NET LIABILITY, BEGINNING 65 RECOMMENDED PENSION RATE STABILIZATION TRUST CONTRIBUTION**** 66 PENSION TRUST EARNINGS****	0 48,535,092	300,000	47,803,123 374,000 700,449	29,058,396 47,048,699 1,100,000 112,528	31,708,729 49,089,312 1,997,514 244,406	32,930,134 50,676,394 2,163,379 394,892	33,490,563 50,743,901 2,050,993 547,760	50,152,183 1,809,318 695,077	47,501,782 1,772,330 849,290	43,660,364 1,420,223 991,135	39,058,818 1,328,346 1,136,103	33,707,243 1,216,275 1,283,126	27,798,967 1,093,511 1,431,666	21,305,344 653,218 1,561,971						
62 PENSION NET LIABILITY, ENDING 63 PENSION INFORMATION BASED ON DISTRICT ASSUMPTIONS:*** 64 PENSION NET LIABILITY, BEGINNING 65 RECOMMENDED PENSION RATE STABILIZATION TRUST CONTRIBUTION**** 66 PENSION TRUST EARNINGS*** 67 PENSION RATE STABILIZATION TRUST PROJECTED BAL	0 48,535,092	300,000 304,837	47,803,123 374,000 700,449	29,058,396 47,048,699 1,100,000 112,528 1,912,977	31,708,729 49,089,312 1,997,514 244,406 4,154,897	32,930,134 50,676,394 2,163,379 394,892 6,713,168	33,490,563 50,743,901 2,050,993 547,760 9,311,921	50,152,183 1,809,318 695,077 11,816,317	47,501,782 1,772,330 849,290 14,437,937	43,660,364 1,420,223 991,135 16,849,296	39,058,818 1,328,346 1,136,103 19,313,745	33,707,243 1,216,275 1,283,126 21,813,146	27,798,967 1,093,511 1,431,666 24,338,323	21,305,344 653,218 1,561,971 26,553,512						
62 PENSION NET LIABILITY, ENDING 63 PENSION INFORMATION BASED ON DISTRICT ASSUMPTIONS:*** 64 PENSION NET LIABILITY, BEGINNING 65 RECOMMENDED PENSION RATE STABILIZATION TRUST CONTRIBUTION**** 66 PENSION TRUST EARNINGS**** 67 PENSION RATE STABILIZATION TRUST PROJECTED BAL 68 PENSION NET LIABILITY, ENDING	0 48,535,092	300,000 304,837	47,803,123 374,000 700,449	29,058,396 47,048,699 1,100,000 112,528 1,912,977 49,089,312	31,708,729 49,089,312 1,997,514 244,406 4,154,897 50,676,394	32,930,134 50,676,394 2,163,379 394,892 6,713,168 50,743,901	33,490,563 50,743,901 2,050,993 547,760 9,311,921 50,152,183	50,152,183 1,809,318 695,077 11,816,317 47,501,782	47,501,782 1,772,330 849,290 14,437,937 43,660,364	43,660,364 1,420,223 991,135 16,849,296 39,058,818	39,058,818 1,328,346 1,136,103 19,313,745 33,707,243	33,707,243 1,216,275 1,283,126 21,813,146 27,798,967	27,798,967 1,093,511 1,431,666 24,338,323 21,305,344	21,305,344 653,218 1,561,971 26,553,512 14,305,352						
62 PENSION NET LIABILITY, ENDING 63 PENSION INFORMATION BASED ON DISTRICT ASSUMPTIONS:*** 64 PENSION NET LIABILITY, BEGINNING 65 RECOMMENDED PENSION RATE STABILIZATION TRUST CONTRIBUTION**** 66 PENSION TRUST EARNINGS**** 67 PENSION RATE STABILIZATION TRUST PROJECTED BAL 68 PENSION NET LIABILITY, ENDING 69 OPEB NET LIABILITY, BEGINNING	48,535,092	300,000 304,837	47,803,123 374,000 700,449	29,058,396 47,048,699 1,100,000 112,528 1,912,977 49,089,312 15,329,724	31,708,729 49,089,312 1,997,514 244,406 4,154,897 50,676,394 14,807,334	32,930,134 50,676,394 2,163,379 394,892 6,713,168 50,743,901 14,125,500	33,490,563 50,743,901 2,050,993 547,760 9,311,921 50,152,183 13,391,840	50,152,183 1,809,318 695,077 11,816,317 47,501,782 12,575,463	47,501,782 1,772,330 849,290 14,437,937 43,660,364 11,688,659	43,660,364 1,420,223 991,135 16,849,296 39,058,818 10,681,496	39,058,818 1,328,346 1,136,103 19,313,745 33,707,243 9,567,155	33,707,243 1,216,275 1,283,126 21,813,146 27,798,967 8,311,257	27,798,967 1,093,511 1,431,666 24,338,323 21,305,344 6,924,414	21,305,344 653,218 1,561,971 26,553,512 14,305,352 5,401,198		6.25%				
62 PENSION NET LIABILITY, ENDING 63 PENSION INFORMATION BASED ON DISTRICT ASSUMPTIONS:*** 64 PENSION NET LIABILITY, BEGINNING 65 RECOMMENDED PENSION RATE STABILIZATION TRUST CONTRIBUTION**** 66 PENSION TRUST EARNINGS**** 67 PENSION RATE STABILIZATION TRUST PROJECTED BAL 68 PENSION NET LIABILITY, ENDING 69 OPEB NET LIABILITY, BEGINNING 70 OPEB TRUST CONTRIBUTION 11 OPEB TRUST EARNINGS**** 72 OPEB TRUST PROJECTED BALANCE	0 48,535,092	300,000 304,837	47,803,123 374,000 700,449 47,048,699	29,058,396 47,048,699 1,100,000 112,528 1,912,977 49,089,312 15,329,724 439,771 82,619 1,404,518	31,708,729 49,089,312 1,997,514 244,406 4,154,897 50,676,394 14,807,334 559,108 122,727 2,086,352	32,930,134 50,676,394 2,163,379 394,892 6,713,168 50,743,901 14,125,500 567,777 165,883 2,820,012	33,490,563 50,743,901 2,050,993 547,760 9,311,921 50,152,183 13,391,840 602,471	50,152,183 1,809,318 695,077 11,816,317 47,501,782 12,575,463 620,734 266,070 4,523,193	47,501,782 1,772,330 849,290 14,437,937 43,660,364 11,688,659 681,848	43,660,364 1,420,223 991,135 16,849,296 39,058,818 10,681,496 723,477	39,058,818 1,328,346 1,136,103 19,313,745 33,707,243 9,567,155 791,157	33,707,243 1,216,275 1,283,126 21,813,146 27,798,967 8,311,257 840,523 546,320 9,287,438	27,798,967 1,093,511 1,431,666 24,338,323 21,305,344 6,924,414 887,295	21,305,344 653,218 1,561,971 26,553,512 14,305,352 5,401,198 951,563	6.25%	6.25% 6.25%	6.25%	6.25%	6.25%	6.25%
62 PENSION NET LIABILITY, ENDING 63 PENSION INFORMATION BASED ON DISTRICT ASSUMPTIONS:*** 64 PENSION NET LIABILITY, BEGINNING 65 RECOMMENDED PENSION RATE STABILIZATION TRUST CONTRIBUTION**** 66 PENSION TRUST EARNINGS**** 67 PENSION RATE STABILIZATION TRUST PROJECTED BAL 68 PENSION NET LIABILITY, ENDING 69 OPEB NET LIABILITY, BEGINNING 70 OPEB TRUST CONTRIBUTION 71 OPEB TRUST EARNINGS****	0 48,535,092	300,000 304,837 47,803,123	47,803,123 374,000 700,449 47,048,699	29,058,396 47,048,699 1,100,000 112,528 1,912,977 49,089,312 15,329,724 439,771 82,619	31,708,729 49,089,312 1,997,514 244,406 4,154,897 50,676,394 14,807,334 559,108 122,727	32,930,134 50,676,394 2,163,379 394,892 6,713,168 50,743,901 14,125,500 567,777 165,883 2,820,012	33,490,563 50,743,901 2,050,993 547,760 9,311,921 50,152,183 13,391,840 602,471 213,905	50,152,183 1,809,318 695,077 11,816,317 47,501,782 12,575,463 620,734 266,070 4,523,193	47,501,782 1,772,330 849,290 14,437,937 43,660,364 11,688,659 681,848 325,315	43,660,364 1,420,223 991,135 16,849,296 39,058,818 10,681,496 723,477 390,865	39,058,818 1,328,346 1,136,103 19,313,745 33,707,243 9,567,155 791,157 464,741	33,707,243 1,216,275 1,283,126 21,813,146 27,798,967 8,311,257 840,523 546,320	27,798,967 1,093,511 1,431,666 24,338,323 21,305,344 6,924,414 887,295 635,921	21,305,344 653,218 1,561,971 26,553,512 14,305,352 5,401,198 951,563 735,139	6.25%	6.25% 6.25%	6.25%	6.25%	6.25%	6.25%

^{*} Significant portions of District fleet due for replacement

** As calculated using Govinvest software discount rate 7.0%, investment returns 13.9%, -2.7%, 7.0%+, salary increases 4.5%, 8%, 5%, 5%, 3%+

***As calculated using Govinvest software discount rate 6.25%, investment earnings 13.9%, -2.7%, 6.25%+, salary increases 4.5%, 8%, 5%, 5%, 3%+

*****Actual returns may vary from forecast

*****2017 - 2019 amount directed by the Board. 2020 forward based on Govinvest calculation

Moraga-Orinda Fire Protection District Long Range Financial Forecast

Version B - 4% Annual Property Tax Revenue Increase

Draft Update March 2019

	ACTUAL 15/16	ACTUAL 16/17	ACTUAL 17/18	PROJ 18/19	PROJ 19/20	PROJ 20/21	PROJ 21/22	PROJ 22/23	PROJ 23/24	PROJ 24/25	PROJ 25/26	PROJ 26/27	PROJ 27/28	PROJ 28/29	ASSI	M ASSM	ASSM	ASSM	ASSM	ASSM
GENERAL FUND BALANCE UNASSIGNED, BEGINNING	1,960,579	3,607,130	4,867,979	6,297,534	6,396,960	5,291,622	3,993,643	4,776,669	6,699,850	9,273,929	11,858,201	13,667,695	17,061,302	21,073,682	19/2	0 20/21	21/22	22/23	23/24	24/25 - 28/29
GENERAL FUND REVENUES	47.004.000	10 001 007	40.040.040	00 000 040	04.070.054	00.544.400	05 700 400	00 550 500	00.004.004	00 000 440	00 447 740	00 400 404	04 700 540	00 400 050	4.000	4.000/	4.000/	4.000/	4.000/	4.000/
PROPERTY AD VALOREM TAX FIRE FLOW PARCEL TAX	17,624,222	18,901,827	19,843,842	20,862,349	21,673,351	22,514,108	25,723,486	28,552,530	29,694,631	30,882,416	32,117,713	33,402,421	34,738,518	36,128,059	4.00	_	4.00%	4.00%	4.00%	4.00%
USE OF MONEY & PROPERTY	2,938	4,409	90,725	1,084,245 40,000	1,087,823 40,000	1,091,413 40,000	1,095,014 40,000	1,098,628 40,000	1,102,254 40,000	1,105,891 40,000	1,109,540 40,000	1,113,202 40,000	1,116,875 40,000	1,120,561 40,000	0.339		0.33% 0.00%	0.33% 0.00%	0.33%	0.33%
5 INTERGOVERNMENTAL REVENUE	277,429	263,358	252,467	246,653	249,120	251,611	254,127	256,668	259,235	261,827	264,445	267,090	269,761	272,458			1.00%	1.00%	1.00%	1.00%
CHARGES FOR SERVICES/OTHER	385,393	386,972	438,422	345,878	349,337	352,830	356,358	359,922	363,521	367,156	370,828	374,536	378,282	382,064			1.00%	1.00%	1.00%	1.00%
AMBULANCE FEES	997,389	1,116,153	1,082,685	1,498,632	1,521,111	1,543,928	1,567,087	1,590,593	1,614,452	1,638,669	1,663,249	1,688,198	1,713,521	1,739,224		% 1.50%	1.50%	1.50%	1.50%	1.50%
STRIKE TEAM REVENUE (Net of Overtime Costs)	95,714	205,485	442,519	172,438	100,000	103,000	106,090	109,273	112,551	115,927	119,405	122,987	126,677	130,477	0.00	% 3.00%	3.00%	3.00%	3.00%	3.00%
0 OTHER REVENUE (FEDERAL GRANTS)	323,896		182,228	512,000	430,000	231,248	0	0	0	0	0	0	0	0	NA	NA	NA	NA	NA	NA
1 TOTAL GENERAL FUND REVENUES	19,706,981	20,878,204	22,332,888	24,762,195	25,450,742	26,128,138	29,142,163	32,007,614	33,186,644	34,411,887	35,685,181	37,008,434	38,383,634	39,812,844						
2 GENERAL FUND EXPENDITURES	7 5 4 7 70 4	0.005.550	0.554.070	0.400.504		0.070.500	10 100 705	40 474 000	40 700 400			44 700 500	40 440 000	10 507 500	F 000		0.000/	0.000/	0.000/	0.000/
3 SALARIES OVERTIME (Excluding Strike Team)	7,517,701	8,065,559	8,551,976	9,129,531	9,586,008	9,873,588	10,169,795 2,840,560	10,474,889 2,925,777	10,789,136 3,013,550	11,112,810	11,446,194	11,789,580 3,292,987	12,143,268	12,507,566 3,493,530	5.009		3.00%	3.00%	3.00%	3.00% 3.00%
5 BENEFITS	1,695,373 1,767,674	1,863,487 1,718,076	2,040,455 1,812,718	2,550,000 2,023,175	2,677,500 2,023,175	2,757,825 2,023,175	2,023,175	2,925,777	2,023,175	3,103,956 2,023,175	3,197,075 2,023,175	2,023,175	3,391,777 2,023,175	2,023,175	5.009 0.009		0.00%	0.00%	0.00%	0.00%
6 RETIREE HEALTH INSURANCE	859,224	827,604	821,299	910,000	910,000	910,000	910,000	910,000	910,000	910,000	910,000	910,000	910,000	910,000			0.00%	0.00%	0.00%	0.00%
7 OPERATING EXPENSES	1,981,364	2,153,714	2,251,574	2,626,047	2,704,828	2,785,973	2,869,552	2,955,639	3,044,308	3,135,637	3,229,707	3,326,598	3,426,396	3,529,188			3.00%	3.00%	3.00%	3.00%
8 CCCERA EMPLOYER PAYMENT - NORMAL COST	4,063,149	4,395,376	1,870,925	1,920,000	2,004,049	2,101,195	2,319,030	2,506,509	2,670,385	3,076,978	3,216,197	3,360,995	3,511,583	3,668,175				Rates (4		
9 CCCERA EMPLOYER PAYMENT - UAAL PAYMENT			2,806,387	2,880,000	3,006,073	3,151,793	3,478,545	3,759,764	4,005,578	4,615,467	4,824,295	5,041,493	5,267,374	5,502,262			CCCERA	Rates (6	0%)	
0 OPEB FUNDING (INTO TRUST)	94,000	256,000	374,000	439,771	559,108	567,777	602,471	620,734	681,848	723,477	791,157	840,523	887,295	951,563	Actua	ry Actuary	Actuary	Actuary	Actuary	Actuary
1 PENSION RATE STABILIZATION (INTO TRUST)		300,000	374,000	1,100,000	1,997,514	2,163,379	2,050,993	1,809,318	1,772,330	1,420,223	1,328,346	1,216,275	1,093,511	653,218	GovInv	estGovInve	GovInves	GovInves	GovInvest	GovInvest
2 TOTAL GENERAL FUND EXPENDITURES	17,978,485	19,579,816	20,903,334	23,578,524	25,468,256	26,334,705	27,264,122	27,985,805	28,910,311	30,121,724	30,966,146	31,801,626	32,654,378	33,238,676						
3 TRANSFER TO CAPITAL FUND - FIRE FLOW TAX				(72,431)	(76,274)	(168,465)	(172,566)	(777,058)	(781,419)	(784,909)	(788,539)	(792,312)	(795,234)	(799,297)						
4 TRANSFER TO DEBT SERVICE FUND - FIRE FLOW TAX 5 TRANSFER OUT TO CAPITAL FUND				(1,011,814)	(1,011,549)	(922,948)	(922,448)	(321,570) (1,000,000)	(320,835) (600,000)	(320,982) (600,000)	(321,001) (1,800,000)	(320,890) (700,000)	(321,641) (600,000)	(321,264) (3,400,000)			-			
6 ANNUAL GENERAL FUND SURPLUS (DEFICIT)	1,728,496	1,298,388	1,429,554	99,426	(1.105.337)	(1.297.980)	783,027	1,923,181	2,574,079	2,584,272	1,800,000)	3,393,606	4,012,380	2,053,606						
7 GENERAL FUND BALANCE UNASSIGNED, END	3,689,075	4,905,518	6,297,534	6,396,960	5,291,622	3,993,643	4,776,669	6,699,850	9,273,929	11,858,201	13,667,695	17,061,302	21,073,682	23,127,288			1			
8 UNRESTRICTED FUND BAL AS PERCENT OF GENERAL FUND REVENUE	18.72%	23.50%	28.20%	25.83%	20.79%	15.28%	16.39%	20.93%	27.94%	34.46%	38.30%	46.10%	54.90%	58.09%						
9			20.0																	
0 CAPITAL FUND BALANCE, BEGINNING OF YEAR	4,314,565	10,068,070	9,856,415	8,348,371	4,456,944	3,539,880	2,773,001	1,990,227	1,382,414	1,331,878	1,274,800	1,310,946	1,341,573	1,265,455	19/2	0 20/21	21/22	22/23	23/24 2	24/25 - 28/29
1 CAPITAL FUND REVENUES	6,812,085	4,044,800	1,389,215	218,286	66,854	53,098	41,595	29,853	20,736	19,978	19,122	19,664	20,124	18,982	1.509		, <u> </u>		nent Earning	gs)
2 CAPITAL EXPENDITURES	1,058,580	3,894,381	1,885,289	4,182,144	1,060,192	988,442	996,936	2,414,724	1,452,691	1,461,965	2,571,516	1,481,349	1,491,476	4,242,268	* NA	NA	NA	NA	NA	NA
3 TRANSFER IN FROM GENERAL FUND - FIRE FLOW TAX				72,431	76,274	168,465	172,566	777,058	781,419	784,909	788,539	792,312	795,234	799,297						
4 TRANSFER IN FROM GENERAL FUND		(000 07.1)	(4.044.070)					1,000,000	600,000	600,000	1,800,000	700,000	600,000	3,400,000		-	1			
5 TRANSFER OUT TO DEBT SERVICE FUND - FIRE FLOW TAX 6 ANNUAL CAPITAL FUND SURPLUS (DEFICIT)	E 752 505	(362,074)	(1,011,970)	(3.891.427)	(917.064)	(766.879)	(782,775)	(607.813)	(50.536)	(57.078)	36.146	20.627	(76,118)	(23.990)	NA	N/A	NIA	NIA	NA	NIA
7 CAPITAL FUND BALANCE, END OF YEAR	5,753,505 10,068,070	9,856,415	8,348,371	4,456,944	3,539,880	2,773,001	1,990,227	1,382,414	1,331,878	1,274,800	1,310,946	30,627 1,341,573	1,265,455	1,241,466	NA NA	_	NA NA	NA NA	NA NA	NA NA
8	10,008,070	9,630,413	0,340,371	4,430,344	3,333,660	2,773,001	1,330,227	1,302,414	1,331,676	1,274,800	1,310,340	1,341,373	1,203,433	1,241,400	INA	INA	INA	INA	INA	INA
9 DEBT SERVICE FUND BALANCE, BEGINNING	2,388,226	2,587,823	2,793,645	3,008,656	3,245,752	3,488,887	3,748,671	1,689,450	1,515	1,515	1,515	1,515	1,515	1,515						
0 PROPERTY AD VALOREM TAX	3,069,093	3,220,105	3,377,364	3,544,473	3,709,744	3,884,311	1,730,869					-			NA	NA	NA	NA	NA	NA
1 DEBT SERVICE FUND EXPENDITURES - PENSION OBLIGATION BONDS	2,872,509	3,376,357	4,174,323	4,319,191	3,466,609	3,624,527	3,790,090	1,687,935	0	0	0	0	0	0						
2 DEBT SERVICE FUND EXPENDITURES - OTHER DEBT					1,011,549	922,948	922,448	321,570	320,835	320,982	321,001	320,890	321,641	321,264						
3 TRANSFER IN FROM GENERAL FUND - FIRE FLOW TAX		362,074	1,011,970	1,011,814	1,011,549	922,948	922,448	321,570	320,835	320,982	321,001	320,890	321,641	321,264						
4 DEBT SERVICE FUND BALANCE, END OF YEAR	2,584,810	2,793,645	3,008,656	3,245,752	3,488,887	3,748,671	1,689,450	1,515	1,515	1,515	1,515	1,515	1,515	1,515	NA	NA	NA	NA	NA	NA
6 COMBINED UNRESTRICTED FUND BALANCE, BEGINNING OF YEAR	6,275,144	13,675,200	14,724,394	14.645.905	10,853,904	8,831,502	6.766.644	6.766.896	8.082.264	10.605.807	13,133,001	14.978.641	18,402,875	22,339,137	NA	NA	NA	NA	NA	NA
7 TOTAL REVENUES	26,519,066	24,923,004	23,722,103	24,980,481	25,517,596	26,181,236	29,183,758	32,037,467	33,207,380	34.431.865	35,704,303	37,028,099	38,403,757	39,831,826	NA NA	_	NA.	NA NA	NA	NA
8 TOTAL EXPENDITURES	19,037,065	23,836,271	23,800,593	28,772,482	27,539,997	28,246,094	29,183,506	30,722,099	30,683,836	31,904,671	33,858,663	33,603,865	34,467,495	37,802,209	NA.	_	NA	NA	NA	NA
	13,757,145	14,761,933	14,645,905	10,853,904	8,831,502	6,766,644	6,766,896	8,082,264	10,605,807	13,133,001	14,978,641	18,402,875	22,339,137	24,368,754	NA		NA	NA	NA	NA
0																				
1 STAFFING SUMMARY				78.20	78.20	78.20	78.20	78.20	78.20	78.20	78.20	78.20	78.20	78.20						
2 FIRE PREVENTION (Memo Figure)		447,359	464,445	622,916	623,068	636,877	651,032	665,542	680,415	695,661	711,290	727,310	743,732	760,567						
3																				
4 SUMMARY OF UNFUNDED LIABILITIES 5														ŀ			-			
6 CCCERA PROJECTED OBLIGATION					5,010,122	5,252,988	5,797,576	6,266,273	6,675,964	7,692,445	8,040,492	8,402,488	8,778,957	9,170,437	7.00	% 7.00%	7.00%	7.00%	7.00%	7.00%
7 GOVINVEST PROJECTED OBLIGATION					7.007.637	7.416.366	7.848.568	8.075.591	8.448.294	9,112,669	9.368.838	9.618.763	9.872.468	9,170,437	6.25	_	6.25%	6.25%	6.25%	6.25%
8 DIFFERENCE - RECOMMENDED PENSION TRUST CONTRIBUTION					1,997,514	2,163,379	2,050,993	1,809,318	1,772,330	1,420,223	1,328,346	1,216,275	1,093,511	653,218	0.20	5.2070	0.2070	0.2070	J.2370	U.LU70
							,	,	,,,,,					,						
PENSION INFORMATION BASED ON CCCERA ASSUMPTIONS:**																				
PENSION NET LIABILITY, BEGINNING				23,498,575	29,058,396	31,708,729	32,930,134		31,779,681	28,841,939	25,198,404	20,879,760	16,088,654	10,804,003						
1 CCCERA EMPLOYER PAYMENT - UAAL PAYMENT				2,880,000	3,006,073	3,151,793	3,478,545	3,759,764	4,005,578	4,615,467	4,824,295	5,041,493	5,267,374	5,502,262						
2 PENSION NET LIABILITY, ENDING						32,930,134	33,490,563	31,779,681	28,841,939	25,198,404	20,879,760	16,088,654	10,804,003	5,121,537						
			23,498,575	29,058,396	31,708,729	32,930,134														
2 DENSION INFORMATION RASED ON DISTRICT ASSUMPTIONS:***			23,498,575	29,058,396	31,708,729	32,930,134								-						
3 PENSION INFORMATION BASED ON DISTRICT ASSUMPTIONS:***		48 535 002					50 743 901	50 152 183	47 501 782	43 660 364	39 058 819	33 707 2/13	27 708 067	21 305 344						
PENSION NET LIABILITY, BEGINNING	0	48,535,092 300,000	47,803,123	47,048,699	49,089,312	50,676,394	50,743,901	50,152,183 1.809.318	47,501,782 1,772,330		39,058,818 1,328,346	33,707,243 1,216,275	27,798,967 1.093,511	21,305,344 653,218						
4 PENSION NET LIABILITY, BEGINNING 5 RECOMMENDED PENSION RATE STABILIZATION TRUST CONTRIBUTION*****	0	48,535,092 300,000		47,048,699 1,100,000	49,089,312 1,997,514	50,676,394 2,163,379	2,050,993	1,809,318	1,772,330	1,420,223	1,328,346	1,216,275	1,093,511	653,218	6.25	% 6.25%	6,25%	6,25%	6.25%	6.25%
PENSION NET LIABILITY, BEGINNING	0		47,803,123	47,048,699	49,089,312	50,676,394									6.25° 6.25°			6.25% 6.25%	6.25% 6.25%	6.25% 6.25%
PENSION NET LIABILITY, BEGINNING RECOMMENDED PENSION RATE STABILIZATION TRUST CONTRIBUTION***** PENSION TRUST EARNINGS****	0 48,535,092	300,000	47,803,123 374,000 700,449	47,048,699 1,100,000 112,528	49,089,312 1,997,514 244,406	50,676,394 2,163,379 394,892	2,050,993 547,760	1,809,318 695,077	1,772,330 849,290	1,420,223 991,135	1,328,346 1,136,103	1,216,275 1,283,126	1,093,511 1,431,666	653,218 1,561,971						
PENSION NET LIABILITY, BEGINNING RECOMMENDED PENSION RATE STABILIZATION TRUST CONTRIBUTION***** PENSION TRUST EARNINGS**** PENSION RATE STABILIZATION TRUST PROJECTED BAL PENSION NET LIABILITY, ENDING	0 48,535,092	300,000	47,803,123 374,000 700,449	47,048,699 1,100,000 112,528 1,912,977	49,089,312 1,997,514 244,406 4,154,897	50,676,394 2,163,379 394,892 6,713,168	2,050,993 547,760 9,311,921	1,809,318 695,077 11,816,317	1,772,330 849,290 14,437,937	1,420,223 991,135 16,849,296	1,328,346 1,136,103 19,313,745	1,216,275 1,283,126 21,813,146	1,093,511 1,431,666 24,338,323	653,218 1,561,971 26,553,512						
PENSION NET LIABILITY, BEGINNING RECOMMENDED PENSION RATE STABILIZATION TRUST CONTRIBUTION***** PENSION TRUST EARNINGS**** PENSION RATE STABILIZATION TRUST PROJECTED BAL PENSION NET LIABILITY, ENDING OPEB NET LIABILITY, BEGINNING	0 48,535,092	300,000	47,803,123 374,000 700,449	47,048,699 1,100,000 112,528 1,912,977 49,089,312 15,329,724	49,089,312 1,997,514 244,406 4,154,897 50,676,394	50,676,394 2,163,379 394,892 6,713,168 50,743,901 14,125,500	2,050,993 547,760 9,311,921 50,152,183 13,391,840	1,809,318 695,077 11,816,317 47,501,782 12,575,463	1,772,330 849,290 14,437,937 43,660,364 11,688,659	1,420,223 991,135 16,849,296 39,058,818 10,681,496	1,328,346 1,136,103 19,313,745 33,707,243 9,567,155	1,216,275 1,283,126 21,813,146 27,798,967 8,311,257	1,093,511 1,431,666 24,338,323 21,305,344 6,924,414	653,218 1,561,971 26,553,512 14,305,352 5,401,198						
PENSION NET LIABILITY, BEGINNING RECOMMENDED PENSION RATE STABILIZATION TRUST CONTRIBUTION***** PENSION TRUST EARNINGS**** PENSION RATE STABILIZATION TRUST PROJECTED BAL PENSION NET LIABILITY, ENDING OPEB NET LIABILITY, BEGINNING OPEB TRUST CONTRIBUTION	0 48,535,092	300,000	47,803,123 374,000 700,449	47,048,699 1,100,000 112,528 1,912,977 49,089,312 15,329,724 439,771	49,089,312 1,997,514 244,406 4,154,897 50,676,394 14,807,334 559,108	50,676,394 2,163,379 394,892 6,713,168 50,743,901 14,125,500 567,777	2,050,993 547,760 9,311,921 50,152,183 13,391,840 602,471	1,809,318 695,077 11,816,317 47,501,782 12,575,463 620,734	1,772,330 849,290 14,437,937 43,660,364 11,688,659 681,848	1,420,223 991,135 16,849,296 39,058,818 10,681,496 723,477	1,328,346 1,136,103 19,313,745 33,707,243 9,567,155 791,157	1,216,275 1,283,126 21,813,146 27,798,967 8,311,257 840,523	1,093,511 1,431,666 24,338,323 21,305,344 6,924,414 887,295	653,218 1,561,971 26,553,512 14,305,352 5,401,198 951,563	6.25	% 6.25%	6.25%	6.25%	6.25%	6.25%
4 PENSION NET LIABILITY, BEGINNING 5 RECOMMENDED PENSION RATE STABILIZATION TRUST CONTRIBUTION***** 6 PENSION TRUST EARNINGS**** 7 PENSION RATE STABILIZATION TRUST PROJECTED BAL 8 PENSION NET LIABILITY, ENDING 9 OPEB RET LIABILITY, BEGINNING 0 OPEB TRUST CONTRIBUTION 1 OPEB TRUST EARNINGS****	0 48,535,092	300,000 304,837 47,803,123	47,803,123 374,000 700,449 47,048,699	47,048,699 1,100,000 112,528 1,912,977 49,089,312 15,329,724 439,771 82,619	49,089,312 1,997,514 244,406 4,154,897 50,676,394 14,807,334 559,108 122,727	50,676,394 2,163,379 394,892 6,713,168 50,743,901 14,125,500 567,777 165,883	2,050,993 547,760 9,311,921 50,152,183 13,391,840 602,471 213,905	1,809,318 695,077 11,816,317 47,501,782 12,575,463 620,734 266,070	1,772,330 849,290 14,437,937 43,660,364 11,688,659 681,848 325,315	1,420,223 991,135 16,849,296 39,058,818 10,681,496 723,477 390,865	1,328,346 1,136,103 19,313,745 33,707,243 9,567,155 791,157 464,741	1,216,275 1,283,126 21,813,146 27,798,967 8,311,257 840,523 546,320	1,093,511 1,431,666 24,338,323 21,305,344 6,924,414 887,295 635,921	653,218 1,561,971 26,553,512 14,305,352 5,401,198 951,563 735,139	6.25	% 6.25% % 6.25%	6.25%	6.25%	6.25%	6.25%
PENSION NET LIABILITY, BEGINNING RECOMMENDED PENSION RATE STABILIZATION TRUST CONTRIBUTION***** PENSION TRUST EARNINGS**** PENSION RATE STABILIZATION TRUST PROJECTED BAL PENSION NET LIABILITY, ENDING OPEB NET LIABILITY, BEGINNING OPEB TRUST CONTRIBUTION	0 48,535,092	300,000	47,803,123 374,000 700,449	47,048,699 1,100,000 112,528 1,912,977 49,089,312 15,329,724 439,771	49,089,312 1,997,514 244,406 4,154,897 50,676,394 14,807,334 559,108	50,676,394 2,163,379 394,892 6,713,168 50,743,901 14,125,500 567,777	2,050,993 547,760 9,311,921 50,152,183 13,391,840 602,471	1,809,318 695,077 11,816,317 47,501,782 12,575,463 620,734	1,772,330 849,290 14,437,937 43,660,364 11,688,659 681,848	1,420,223 991,135 16,849,296 39,058,818 10,681,496 723,477	1,328,346 1,136,103 19,313,745 33,707,243 9,567,155 791,157	1,216,275 1,283,126 21,813,146 27,798,967 8,311,257 840,523	1,093,511 1,431,666 24,338,323 21,305,344 6,924,414 887,295	653,218 1,561,971 26,553,512 14,305,352 5,401,198 951,563	6.25	% 6.25% % 6.25%	6.25%	6.25%	6.25%	6.25%

^{*} Significant portions of District fleet due for replacement

** As calculated using Govinvest software discount rate 7.0%, investment returns 13.9%, -2.7%, 7.0%+, salary increases 4.5%, 8%, 5%, 5%, 3%+

***As calculated using Govinvest software discount rate 6.25%, investment earnings 13.9%, -2.7%, 6.25%+, salary increases 4.5%, 8%, 5%, 5%, 3%+

*****Actual returns may vary from forecast

*****2017 - 2019 amount directed by the Board. 2020 forward based on Govinvest calculation

ATTACHMENT C

Moraga-Orinda Fire Protection District

Long Range Financial Forecast - Capital Expenditures

Draft Update

March 2019

Capital Expenditure Projections

			REPLACEMENT		2018 REPLACEMENT										
	DESCRIPTION	AGE	DATE	BOOK VALUE	COST	PROJ 19/20	PROJ 20/21	PROJ 21/22	PROJ 22/23	PROJ 23/24	PROJ 24/25	PROJ 25/26	PROJ 26/27	PROJ 27/28	PROJ 28/29
	DUIL DINGS & CDOUNDS														
ļ.,	BUILDINGS & GROUNDS	0.4	0040	570.007	7 000 000	040.000	040.000	040,000	040,000	040,000	040,000	040,000	040,000	040.000	040,000
	STATION-41/TRAINING	61	2019	579,367	7,000,000	610,000	610,000	610,000	610,000	610,000	610,000	610,000		610,000	610,000
	ADMINISTRATION	49	2019	340,435	1,000,000	87,000	87,000	87,000	87,000	87,000	87,000	87,000	87,000	87,000	87,000
	STATION-42	16	2041	1,992,000	2,721,437										
	STATION-43	0	2058		4,093,000										
	STATION-44	11	2046	2,648,802	2,478,819										
,	STATION-45	47	2022	475,488	5,000,000				438,000	438,000	438,000	438,000	438,000	438,000	438,000
	CAPITAL IMPROVEMENTS - OTHER					212,180	218,545	225,102	231,855	238,810	245,975	253,354	260,955	268,783	276,847
	TOTAL FACILITIES EXPENDITURES					909,180	915,545	922,102	1,366,855	1,373,810	1,380,975	1,388,354	1,395,955	1,403,783	1,411,847
	TOTAL APPARATUS EXPENDITURES/VEHICLE					80,000	0	0	571,041	0	0	0	0	0	2,742,596
	FIREFIGHTING CAPITAL EQUIPMENT					40,575	41,792	43,046	444,337	45,668	47,038	1,148,449	49,902	51,399	51,399
	IT CAPITAL (FIXED ASSETS) EXPENDITURES					18,124	18,668	19,228	19,805	20,399	21,011	21,642	22,291	22,960	22,960
	OTHER CAPITAL EXPENDITURES					12,313	12,436	12,561	12,686	12,813	12,941	13,071	13,201	13,333	13,467
	TOTAL CAPITAL					\$ 1,060,192	\$ 988,442	\$ 996,936	\$ 2,414,724	\$ 1,452,691	\$ 1,461,965	\$ 2,571,516	\$ 1,481,349	\$ 1,491,476	\$ 4,242,268

ATTACHMENT C

MORAGA-ORINDA FIRE DISTRICT

APPARATUS & VEHICLE REPLACEMENT PLAN: 2020 - 2029

Apparatus Costs

DRAFT: MARCH 2019													
DESCRIPTION	AGE	REPLACE DATE	2017 COST	PROJ 19/20	PROJ 20/21	PROJ 21/22	PROJ 22/23	PROJ 23/24	PROJ 24/25	PROJ 25/26	PROJ 26/27	PROJ 27/28	PROJ 28/29
	_												
ENGINES - STRUCTURE PROTECTION 1996 ENGINE TYPE 1 SPARTAN 3D (REPLACE W/TRUCK)	22	2017	585,163			1	I					I	
1998 ENGINE TYPE 1 SPARTAN 3D (REPLACE W/TROCK) 1998 ENGINE TYPE 1 SPARTAN, HI TEC - SELLING	23	2017	585,163										
1998 ENGINE TYPE 1 SPARTAN, HI-TEC (REPLACE W/ 2017 PIERCE)	21	2017	585,163										
2008 ENGINE TYPE 1 PIERCE	11	2028	585,163										727,577
2012 ENGINE TYPE 1 PIERCE	7	2032	585,163										,-
2017 ENGINE TYPE 1	2	2037	602,834										
2017 ENGINE TYPE 1	2	2037	602,834										
ENGINES WILDI AND													
ENGINES - WILDLAND 2002 ENGINE TYPE 3 WESTATES	17	2022	386,428			1	426.648					I	
2002 ENGINE TYPE 3 WESTATES	17	2022	386,428				426,648						
2008 ENGINE TYPE 3 PIERCE	11	2028	386,428				720,040						480,475
2010 ENGINE TYPE 3 PIERCE	9	2028	386,428										480,475
		<u> </u>	,										,
ENGINES -													
2019 ENGINE TYPE 6	0	2019	100,000			ļ							
.==													
AERIAL LADDER TRUCKS	20		00,000			1					Τ	ı	
1989 TRAINING TILLER TRUCK - SEAGRAVE 100' - WILL SELL IN 2020 2001 AERIAL LADDER SPARTAN/LTI-93 - SELLING	30	TBD N/A	30,000 1,110,000										
2001 AERIAL LADDER SPARTAN/LTI-93 - SELLING 2017 TILLER TRUCK - 100'	18	2033	1,110,000										
2017 HELEK TROCK - 100		2033	1,200,924										
SPECIALIZED APPARATUS													
1999 TECHNICAL RESCUE UNIT	20	TBD	300,000										
2009 WATER TENDER PIERCE-KENWORTH	10	2034	300,000										
	_	•				•					•	•	
AMBULANCES						,					I	1	
2015 AMBULANCE NAVISTAR TERRASTAR LEADER	4	2028	212,277										263,940
2015 AMBULANCE NAVISTAR TERRASTAR LEADER	4	2028	212,277										263,940
2017 AMBULANCE 2017 AMBULANCE	2	2028 2028	180,645 180,645										209,882 209,882
2017 AMBULANCE		2020	160,045			1							209,002
COMMAND VEHICLES													
2007 COMMAND FORD EXPEDITION - SELLING	12	2016	60,000										
2008 COMMAND CHEVY SUBURBAN	11	2020	60,000	80,000									
2008 COMMAND CHEVY SUBURBAN - OCMA	11	2020	60,000										
2008 COMMAND-CHEVY SUBURBAN - RESERVE	11	2020	60,000										
2017 COMMAND CHEVY TAHOE	2	2028	52,048										64,715
SUPPORT VEHICLES													
1994 SUPPORT - INT'L/ROAD RESCUE	25	TBD	200,000	1		1					1	I	
2011 CHEVY TAHOE (REPLACE W/ EXPLORER)	25 8	2022	34,700			 	38,312						
2012 FORD EXPLORER	7	2022	34,700				38,312						
2017 FORD EXPLORER	2	2028	33,546				00,012						41,710
						'							,
UTILITY VEHICLES													
2000 UTILITY FORD F250	19	2020	60,000				66,245						
2005 FORD RANGER	14	2020	18,769				19,918						
2005 FORD RANGER	14	2020	18,769			<u> </u>	19,918					<u> </u>	
TOTAL ARRANGE EVENTURE TOTAL TOTAL				22.222									
TOTAL APPARATUS EXPENDITURES/VEHICLE				80,000	0	0	571,041	0	0	0	0	0	2,742,596
CARITAL FUND DALANCE (DDC I) END OF VEAR WITH BURGUAGE			 1	2 520 000	0.770.004	4 000 007	4 200 444	4 224 272	4 074 000	4 240 042	4 244 572	4.005.455	4 0 44 400
CAPITAL FUND BALANCE (PROJ), END OF YEAR WITH PURCHASES	1			3,539,880	2,773,001	1,990,227	1,382,414	1,331,878	1,274,800	1,310,946	1,341,573	1,265,455	1,241,466

FIREFIGHTING/RESCUE APPARATUS
AMBULANES
COMMAND/SUPPORT/STAFF VEHICLES

ATTACHMENT D

STAFFING SUMMARY

DIVISION	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Board of Directors										
Director*	5	5	5	5	5	5	5	5	5	5
Total	5	5	5	5	5	5	5	5	5	5
Emergency Operations										
Fire Chief	1	1	1	1	1	1	1	1	1	1
Battalion Chief	3	3	3	3	3	3	3	3	3	3
Captain/Paramedic I	3	3	3	3	3	3	3	3	3	3
Captain/Paramedic II	8	8	8	8	8	8	8	8	8	8
Captain	4	4	4	4	4	4	4	4	4	4
Engineer/Paramedic I	3	3	3	3	3	3	3	3	3	3
Engineer/Paramedic II	4	4	4	4	4	4	4	4	4	4
Engineer	8	8	8	8	8	8	8	8	8	8
Firefighter/Paramedic	23	23	23	23	23	23	23	23	23	23
Firefighter	4	4	4	4	4	4	4	4	4	4
Paramedic**	4	4	4	4	4	4	4	4	4	4
Total	61	61	61	61	61	61	61	61	61	61
Total	01	01	01	01	01	01	01	01	01	01
Fire Prevention										
Fire Marshal	1	1	1	1	1	1	1	1	1	1
Fire Inspector/Plans Examiner	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
District Aide Part-Time***	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Fuels Mitigation Program Mgr****	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
District Aide Part-Time****	2	2	2	2	2	2	2	2	2	2
Total	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
Emergency Preparedness										
Emer Preparedness Coord*****	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Total	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Total	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Administration										
Administrative Services Director	1	1	1	1	1	1	1	1	1	1
Human Resources Benefits Mgr	1	1	1	1	1	1	1	1	1	1
Accountant	1	1	1	1	1	1	1	1	1	1
Payroll Technician Part-Time	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
District Secretary/District Clerk	1	1	1	1	1	1	1	1	1	1
District Aide Part-Time***	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Total	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
GRAND TOTAL	78.20	78.20	78.20	78.20	78.20	78.20	78.20	78.20	78.20	78.20

^{*} Unpaid, volunteer position

The Paramedic job classification has been established. The District retains the option to fill positions in this classification if needed.

^{***} Non-benefitted, part-time position

^{****} Position proposed as part of a six-month pilot fuels mitigation program

^{*****} Non-benefitted, part-time position partially funded by the City of Lafayette