Appendix G: Estimated Costs (IN THOUSANDS OF DOLLARS)

	Next Gen Radio M/W E	Equip	Shelter improvements	Civil	Freq. Coord. including M/W needs	Environmental Compliance	Legal Planning permits leases	Staff Support
Tomales *	608	167	223	262	11	28	38	77
Pt Reyes *	608	250	223	0	11	28	38	77
Barnabe *	608	250	223	0	. 11	28	38	77
Stewart Pt *	608	167	223	0	11	28	38	77
Sonoma *	608	0	223	0	11	28	38	77
Burdell *	608	250	0	0	11	28	38	77
Big Rock *	608	167	223	0	11	28	38	77
San Pedro *	608	250	223	0	11	. 28	38	77
Forbes *	608	250	223	0	11	28	38	77
Dollar *	608	250	223	0	11	28	38	77
Tam *	608	250	223	0	11	28	38	77
Millvalley *	608	250	0	0	11	28	38	77
Tiburon *	608	250		0		28	38	
Wolfback *	608	250		262		28	38	
Martha	608	250		0		28	38	
Muir	608	167		262		28	38	
Bayhill	608	167		87		28	38	
Civic Center/EOF *	608	167		0	11	28	38	
2nd M/W site1		250	223	262	. 11	28	38	77
Subtotal	10,942	4,000	4,264	1,135	216	528	713	1,468
System Equipment/backbone costs	23,266							
Subscriber cost 3,000 count (from RFP) unit cost with discount \$2930.10	8,790							
Total 18 site w/subcriber (no tax)	32,056							
Tax @8.25% assuming1/2 of full cost taxable	2,645							
Sub Total	34,701							
Contingency 15.27%	5,300							
TOTAL	40,000	•						

Appendix H MERA: Operating/Maintenance Cost Projections

(IN THOUSANDS OF DOLLARS)

	APPROVED BUDGET 2013-14	ESTIMATED BUDGET 2014-15	ESTIMATED BUDGET 2015-16	ESTIMATED BUDGET 2016-17	ESTIMATED BUDGET 2017-18 (building out new system)	MERA NEXT GEN ESTIMATED BUDGET 2018-19 (both systems on line)	MERA NEXT GEN ESTIMATED BUDGET 2019-20 (new system out of warranty)	MERA NEXT GEN ESTIMATED BUDGET 2020-21	MERA NEXT GEN ESTIMATED BUDGET 2021-2022	MERA NEXT GEN ESTIMATED BUDGET 2022-2023
Preventive and Corrective	\$420	\$433	\$447	\$462	\$476	\$596	\$615	\$635	\$656	\$676
Programming	. 0	0.00	0	0	0	0	0	0	0	0
Parts, Materials, and Factory Repairs	80	84	88	93	97	102	107	113	118	124
Training	31	32	33	34	62	64	. 38	39	40	41
Technical Services	100	100	100	100	100	100	100	100	100	100
Administrative Services	155	160	165	171	176	182	188	195	201	208
Communications Engineer	170	190	196	203	209	216	223	230	237	245
Contract Services	158	164	170	176	182	188	195	202	209	216
Auditing	15	15	16	16	17	18	19	20	21	22
Legal	10	10	10	10	11	11	12	13	13	14
Misc.	1	1	1	1	2	2	2	2	2	2
Contingency	20	20	20	20	30	30	. 30	30	30	30
Site Utilities - Current	85	91	97	104	222	237	127	136	145	156
Site Utilities - With Next Gen					46	49	53	57	61	65
Site Maintenance	13	13	13	14	14	15	15	15	16	17
Site Maintenance - With Next Gen					6	6	6	6	7	7
Insurance	40	44	48	53	59	64	71	78	86	94
Insurance - With Next Gen					24	27	30	32	36	39
Current Leases	354	372	390	410	430	452	474	480	523	549
Next Gen Tomales, Martha, Wolfback, Stinson, EOF	<u> </u>				210	220	231	242	254	265
TOTAL MERA Operating Costs:	1,650	1,728	1,795	1,866	2,374	2,580	2,536	2,624	2,753	2,870
Optional System User Upgrade	0	0	. 0	, o	0	0	450	450	450	450
TOTAL MERA Operating Costs with Option:	1,650	1,728	1,795	1,866	2,374	2,580	2,986	3,074	3,203	3,320

NOTES TO ACCOMPANY PRELIMINARY MERA NEXT GEN OPERATING/MAINTENANCE COST PROJECTIONS

MERA OPERATING FUND 70030

ASSUMPTIONS:

- 1) REFLECTS COST ESTIMATES FROM FY14-15 THROUGH FY22-23
- 2) ESTIMATES BASED ON TWO-YEAR CONCURRENT OPERATION OF CURRENT SYSTEM AND NEXT GEN, EFFECTIVE FY17-18 AND FY18-19

DEPARTMENT OF PUBLIC WORKS:

<u>PREVENTIVE AND CORRECTIVE MAINTENANCE</u> - 3.2% EACH YEAR, ASSUME MERA PURCHASES ONE YEAR WARRANTY FROM VENDOR, INCREASE IN FY 18-19 WITH NEW SITES.

PROGRAMMING - 3.2% EACH YEAR

PARTS, MATERIALS, FACTORY REPAIRS - 5% EACH YEAR

TRAINING - 3.3% EACH YEAR TO 16-17, THEN INCREASED WITH NEW SYSTEM FOR ALL USERS. TO INCLUDE: TRAIN THE TRAINER, END USER, DISPATCH, SUPERVISOR AT \$60,000, THEN 3.3% EACH YEAR

TECHNICAL SERVICES - 3.2% EACH YEAR, MOTOROLA TECHNICAL SUPPORT AGREEMENT COSTS FY 14/15 \$25,689, FY 15/16 \$26,973, FY 16/17 \$28,052, FY 17/18 \$29,174. THEN ESTIMATED AT FY 18/19 \$26,590, FY 19/20 \$28,620, FY 20/21 \$29,765, FY 21/22 \$30,955, FY 22/23 \$32,194.

ADMINISTRATIVE SERVICES - 3.3% EACH YEAR

SYSTEM UPDGRADE AGREEMENT - THIS IS PRESENTED AS AN OPTIONAL ITEM. MERA DOES NOT HAVE A SYSTEM UPGRADE AGREEMENT WITH THE CURRENT SYSTEM. DETAILS CAN BE FOUND IN THE PLANNED SYSTEM LIFE SECTION ON PAGE 11. COST IS ESTIMATED AT \$450,000 PER YEAR, STARTING IN FY 19/20

MERA (NON-DPW COSTS):

CONTRACT SERVICES - 3.5% EACH YEAR

AUDITING SERVICES - 3.0% EACH YEAR THRU FY16-17 AND 5.0% BEGINNING FY17-18

LEGAL SERVICES - 3.0% EACH YEAR THRU FY16-17 AND 5.0% BEGINNING FY17-18

Notes To Accompany Preliminary MERA Next Gen Operating/Maintenance Cost Estimates November 13, 2013 Page 2

MISCELLANEOUS EXP - NO % INCREASE - BEGINNING FY17-18 ADDED \$1,000 EACH YR

CONTINGENCY EXP - NO % INCREASE - BEGINNING FY17-18 ADDED \$10,000 EACH YR

NOTE: LINE ITEMS BELOW AFFECTED BY ADDITION OF 5 NEW SITES IN FY17-18 (TOMALES, MARTHA/TIBURON, WOLFBACK, STINSON AND EOF)

SITE UTILITIES - 7.0% EACH YEAR & W/INCREASE OF 5 SITES BEGINNING FY17-18

SITE MAINTENANCE - 3.0% EACH YEAR & W/INCREASE OF 5 SITES BEGINNING FY17-18

INSURANCE - 10.0% EACH YEAR & W/INCREASE OF 5 SITES BEGINNING FY17-18

CURRENT SITE LEASES - 5.0% EACH YEAR

NEXT GEN SITE LEASES – BEGINNING FY17-18

Tomales - FY17-18 Annual Lease is \$10,200 – reflects 1.0% each yr Martha/Tiburon, Wolfback, Stinson and EOF:

No leases signed as of November 1, 2013

ESTIMATED COSTS BASED ON AVERAGE OF ALL CURRENT SITE LEASES (8)

W/INCREASE OF 5% FOR EACH SITE BEGINNING FY18-19

Appendix I MERA: Capital Cost Projections

(In thousands of dollars)

	APPROVED BUDGET 2013-14	ESTIMATED BUDGET 2014-15	ESTIMATED BUDGET 2015-16	ESTIMATED BUDGET 2016-17	ESTIMATED BUDGET 2017-18 (building out new system)	MERA NEXT GEN ESTIMATED BUDGET 2018-19 (both systems on line)	MERA NEXT GEN ESTIMATED BUDGET 2019-20 (new system out of warranty)	MERA NEXT GEN ESTIMATED BUDGET 2020-21	MERA NEXT GEN ESTIMATED BUDGET 2021-2022	MERA NEXT GEN ESTIMATED BUDGET 2022-2023
System Analysis (Buildings repairs, generators, small equipment projects	\$185	\$132	\$208	\$100	\$100	\$100	\$100	\$100	\$100	\$100
p. 0,000	\$100	φιJZ	\$200	\$100	\$100	\$100	\$100	\$100	\$100	\$10

Appendix J MERA: Operating, Capital and Debt Cost Projections

Without Optional System Upgrade Agreement (in thousands of dollars)

	APPROVED BUDGET 2013-14	ESTIMATED BUDGET 2014-15	ESTIMATED BUDGET 2015-16	ESTIMATED BUDGET 2016-17	ESTIMATED BUDGET 2017-18 (building out new system)	MERA NEXT GEN ESTIMATED BUDGET 2018-19 (both systems on line)	MERA NEXT GEN ESTIMATED BUDGET 2019-20 (new system out of warranty)	MERA NEXT GEN ESTIMATED BUDGET 2020-21	MERA NEXT GEN ESTIMATED BUDGET 2021-2022	MERA NEXT GEN ESTIMATED BUDGET 2022-2023
MERA Operating Costs Capital Costs 2010 Refunding Revenue Bonds Less Use of Bond Reserve	1650 185 2347	1728 132 2347	1795 208 2347	1866 100 2347	2374 100 2347	2580 100 2347	100	2624 100 2347 2000	2753 100	2870 100
TOTAL Operating, Capital and Debt Costs	4182	4207	4350	4313	4821	5027	4983	3071	2853	2970
	APPROVED BUDGET <u>2013-14</u>	ESTIMATED BUDGET 2014-15	ESTIMATED BUDGET 2015-16	With Optional S ESTIMATED BUDGET 2016-17	ESTIMATED BUDGET 2017-18 (building out new system)	MERA NEXT GEN ESTIMATED BUDGET 2018-19 (both systems on line)	MERA NEXT GEN ESTIMATED BUDGET 2019-20 (new system out of warranty)	MERA NEXT GEN ESTIMATED BUDGET 2020-21	MERA NEXT GEN ESTIMATED BUDGET 2021-2022	MERA NEXT GEN ESTIMATED BUDGET 2022-2023
MERA Operating Costs	1650	1728	1795	1866	2374	2580	2986	3074	3203	3320
Capital Costs 2010 Refunding Revenue Bonds Less Use of Bond Reserve	185 2347	132 2347	208 2347	100 2347	100 2347	100 2347	100 2347	100 2347 2000	100	100
TOTAL Operating, Capital and Debt Costs	4182	4207	4350	4313	4821	5027	5433	3521	3303	3420