



East Bay Regional Communications System Authority



Participating agencies include Alameda and Contra Costa Counties and the following cities and special districts: Alameda, Albany, Antioch, Berkeley, Brentwood, Clayton, Concord, Danville, Dublin, El Cerrito, Emeryville, Fremont, Hayward, Hercules, Lafayette, Livermore, Martinez, Moraga, Newark, Oakland, Oakley, Pinole, Pittsburg, Pleasant Hill, Pleasanton, Richmond, San Leandro, San Pablo, San Ramon, Union City, Walnut Creek, East Bay Regional Park District, Kensington Police Community Services District, Livermore Amador Valley Transit Authority, Moraga-Orinda Fire District, Rodeo-Hercules Fire District, San Ramon Valley Fire District, California Department of Transportation, Ohlone Community College District, Contra Costa Community College District, Dublin-San Ramon Services District and University of California, Berkeley

BOARD OF DIRECTORS MEETING

NOTICE OF SPECIAL MEETING

DATE: June 16, 2023

TIME: 10:00 a.m.

**PLACE: Alameda County Sheriff's Office of Emergency Services and Homeland Security
4985 Broder Blvd.
Dublin, CA 94568**

AGENDA

1. Call to Order/Roll Call: (Regular Session) **Time: 10:00 a.m.**

2. Public Comments (Meeting Open to the Public):

At this time, the public is permitted to address the Board on items within the Board's subject matter jurisdiction that do not appear on the agenda. Please step to the podium and clearly state your name for the record. In accordance with State Law, no action or discussion may take place on any item not appearing on the posted agenda. If the item requires action, it will be referred to staff and/or placed on the next agenda. In order that all interested parties have an opportunity to speak, please limit comments to a maximum of three (3) minutes. If you wish to comment on an item that is on the agenda, please wait until the item is read for consideration, and then make your way to the podium.

3. Consent Calendar

Consent Calendar items are typically non-controversial in nature and are considered for approval by the East Bay Regional Communications System Authority Board with one single action. Members of public, staff or the Board of Directors who would like an item removed from the Consent Calendar for purposes of public input may request the Board Chair to remove the item.

3.1 Approval of Minutes from the Board Meeting of January 27, 2023

3.2 Adoption of Administrative Budget for Fiscal Year 2023/2024

3.3 Approval of Hayward Annex Replacement Antenna Purchase

3.4 Approval of Microwave Equipment Purchase

4. Written Communications: None

5. Public Hearings: None

**Alameda County Office of Homeland Security and Emergency Services
4985 Broder Blvd, Dublin CA 94568 • (925) 803-7802 • www.ebrcsa.org**

6. **Action Items:** None

7. **Committee Updates:**

7.1 Receive Informational Report on Recent Finance Committee Activities.

7.2 Receive Informational Report on Recent Operations Committee Activities.

8. **Reports:**

8.1 Receive Informational Report on Time Division Multiple Access

8.2 Receive Informational Report on Encryption Status

8.3 Receive Informational Report on Microwave/MPLS Status

8.4 Receive Informational Report on the City of Antioch Site at Walton Lane

8.5 Receive Informational Report on Contra Costa County Site in Martinez Replacing 651 Pine Street

8.6 Receive Informational Report on Wiedemann Project in San Ramon

8.7 Receive Informational Report on Alameda County Parking Garage Adjacent to East Dublin BART

8.8 Receive Information Report on Fifth Amended and Restated Communications System Agreement (CSA)

8.9 Receive Information Report on Aviat Repair and Maintenance Agreement

10. **Board Comments:**

11. **Adjournment**

This AGENDA is posted in accordance with Government Code Section 54954.2(a) If requested, pursuant to Government Code Section 54953.2, this agenda shall be made available in appropriate alternative formats to persons with a disability, as required by Section 202 of the Americans with Disabilities Act of 1990 (42 U.S.C. Section 12132), and the federal rules and regulations adopted in implementation thereof. To make a request for disability-related modification or accommodation, please contact the EBRCSA at (925) 803-7802 at least 72 hours in advance of the meeting.

I hereby certify that the attached agenda was posted 24 hours before the noted meeting.



Tom McCarthy
Executive Director
Dated: June 12, 2023



**East Bay Regional
Communications
System Authority**



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AGENDA ITEM NO. 3.1

**AGENDA STATEMENT
BOARD OF DIRECTORS MEETING
MEETING DATE: June 16, 2023**

TO: Board of Directors
East Bay Regional Communications System Authority (EBRCSA)

FROM: Tom McCarthy, Executive Director
East Bay Regional Communications System Authority

SUBJECT: Approval of Minutes of the January 27, 2023 Board of Directors Meeting

RECOMMENDATIONS:

Approve the minutes of the January 27, 2023 Board of Directors Meeting.

SUMMARY/DISCUSSION:

The Board of Directors will consider approval of the minutes of the January 27, 2023 Board of Directors Meeting.

RECOMMENDED ACTION:

It is recommended that the Board of Directors approve the minutes of the January 27, 2023 Board of Directors Meeting.

Attachment:

Exhibit: "A" – January 27, 2023 Minutes



East Bay Regional Communications System Authority



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BOARD OF DIRECTORS SPECIAL MEETING

SPECIAL MEETING

DATE: January 27, 2023

TIME: 10:00 a.m.

PLACE: Alameda County Office of Homeland Security and Emergency Services,
Room 1013
4985 Broder Blvd., Dublin, CA 94568

DRAFT MINUTES

A Special meeting of the East Bay Regional Communications System Authority was held on Wednesday, January 27, 2023, remotely via Zoom Video Communications.

1. Call to Order/Roll Call: 10:06 a.m.

Boardmembers Present: Bms. J. Catalano, T. Chalk, E. Christy, A. Ciaburro, D. Haubert, J. King, P. Meyer, S. Muranishi, S. Perkins, E. Reiskin, M. Salinas, Y. Sanchez, M. Shorr, C. Silva, L. Smith, D. Swing

Staff Present: T. McCarthy, L. McKinney, C. Soto

2. Public Comments: None.

3. Consent Calendar:

On motion of Bm. King, seconded by Bm. Perkins and by unanimous vote, the Board of Directors adopted Consent Calendar Items 3.1- 3.2.

3.1 Adopted Resolution No. 23-01 Authorizing Teleconference Meetings Pursuant to Assembly Bill 361 Effective January 28, 2023 through February 26, 2023

3.2 Approved the minutes of the December 2, 2022 Board Meeting and the December 28, 2022 Special Board of Directors Meeting

**Alameda County Office of Homeland Security and Emergency Services
4985 Broder Blvd, Dublin CA 94568 • (925) 803-7802 • www.ebrcsa.org**

4. Adjournment: With no further business coming before the Board of Directors, the meeting was adjourned at 10:19 a.m.

Caroline P. Soto
Authority Secretary

DRAFT



**East Bay Regional
Communications
System Authority**



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AGENDA ITEM NO. 3.2

**AGENDA STATEMENT
BOARD OF DIRECTORS MEETING
MEETING DATE: June 16, 2023**

TO: Board of Directors
East Bay Regional Communications System Authority (EBRCSA)

FROM: Tom McCarthy, Executive Director
East Bay Regional Communications System Authority

SUBJECT: Adoption of EBRCSA FY 2023/2024 Administrative Budget

RECOMMENDATION:

Adopt a resolution adopting the FY 2023/2024 Administrative Budget for the East Bay Regional Communications System Authority (“EBRCSA”).

SUMMARY/DISCUSSION:

Craig Boyer, Alameda County Auditor’s Office, has prepared the FY 2023/2024 Budget and presented it to the Operations and Finance Committees.

The EBRCSA is required by its Joint Powers Agreement (JPA) to develop and present to the Board of Directors a budget for adoption each fiscal year. The Fiscal Year 2023/2024 Budget, attached as Exhibit B, is the proposed budget jointly prepared by the Alameda County Auditor Controller’s staff and the EBRCSA Executive Director (“Proposed Administrative Budget”). The Proposed Administrative Budget was presented to the Operations and Finance Committees and the Committees approved it with minor modifications.

The Proposed Administrative Budget is based on an approximate radio count of 21,000 EBRCSA Users. Staffs anticipates that there will be a slight increase of the radio count during the Fiscal Year as radios are added by current Users of EBRCSA.

Grants:

The Urban Areas Security Initiative Grant (“UASI”) nor State Homeland Security Grant Program (“SHSGP”) are not soliciting applications for radio or interoperability grants this Fiscal Year.

Capital:

The Proposed Administrative Budget includes an annual payment of \$1.87 million for the lease to own of the TDMA and Microwave/Ethernet/MPLS Capital Project.

COMMITTEE RECOMMENDATION:

The Finance and Operations Committee reviewed the Proposed FY 2023/2024 Administrative Budget and recommended to present it to the EBRCSA Board of Directors for adoption with modifications approved by the Committees.

RECOMMENDED ACTION:

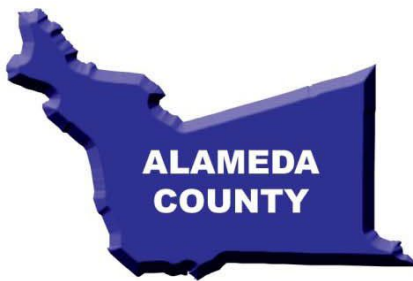
It is recommended that the Board of Directors of the East Bay Regional Communications System Authority adopt a Resolution Adopting the Fiscal Year 2023/2024 Administrative Budget for the EBRCSA, as outlined in Exhibit B.

Attachments:

Exhibit: “A” - EBRCSA Budget Highlights

Exhibit: “B” - EBRCSA Budget FY2023/2024

Exhibit: “C” - Resolution Adopting EBRCSA FY2023/2024 Budget



East Bay Regional Communications System Authority



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HIGHLIGHTS:

REVENUES - \$9.07M

- Slight increase in revenues compared with FY22-23 budget
 - While no changes in membership or rates, radio counts for service payments increased leading to higher actual revenues than budgeted in FY22-23
- \$252,000 increase in Service Payments from members
 - Adjusted to actual earned FY22-23

EXPENSES - \$10.11M

- \$50,000 decrease in Operating Expenses
 - \$62,000 increase in Administration due to increased budgets for planning, travel and miscellaneous, and the addition of a training budget
 - \$27,000 increase in Insurance due to increased rates
 - \$322,000 decrease in Maintenance due to reclassification of software maintenance from operating to capital
 - \$68,000 increase in Utilities due to increased rates
- \$4.88M in Capital expenditures
 - \$1.87M for the TDMA and Microwave upgrades
 - \$1.75M for Walton Lane simulcast site
 - \$985,000 for software maintenance
 - \$250,000 for the DC power upgrades
 - \$25,000 for control stations
- \$650,000 in Debt Service

NET LOSS - \$1,049,000

- \$289,500 net decrease to Capital Reserves

PROJECTED RESERVES

- Operating - \$1.29M
- Debt - \$1.00M
- Capital - \$12.76M
- Total - \$15.05M



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BUDGET FISCAL YEAR 2023-24

Revenues

Operating payments	\$ 7,453,000
Service payments	1,512,000
Interest	100,000
Total revenues	9,065,000

Expenses

Administration	514,000
Audit fees	26,000
Contingency	100,000
Insurance	102,000
Lease	81,000
Legal	26,000
Licenses and permits	39,000
Membership fees	13,000
Maintenance	3,353,000
Security	33,000
Utilities	293,000
Website hosting	6,000
Total operating expenses	4,586,000
Capital	4,878,000
Debt Service	650,000
Total expenses	10,114,000
Net Income (Loss)	\$ (1,049,000)

Assumption: Operating payments 21,000 radio count at \$30 per month per radio
Service payments 8,400 radio count at \$15 per month per radio

EAST BAY REGIONAL COMMUNICATIONS SYSTEM AUTHORITY
EXPENDITURE DETAIL
FISCAL YEAR 2023-2024

OPERATING EXPENSES	FY22-23 Final Budget	FY22-23 Projected	FY23-24 Budget	Change FY23 vs FY24
Administration				
Executive director	\$ 263,000	\$ 237,040	\$ 263,000	\$ (25,960)
Administrative assistant	40,000	13,116	40,000	(26,884)
Training	-	-	30,000	(30,000)
Planning	134,000	-	161,000	(161,000)
Travel	5,000	300	7,000	(6,700)
Miscellaneous	10,000	164	13,000	(12,836)
Audit fees	20,000	17,820	26,000	(8,180)
Contingency	27,000	-	100,000	(100,000)
Insurance	75,000	72,168	102,000	(29,832)
Lease	73,000	69,050	81,000	(11,950)
Legal	20,000	11,009	26,000	(14,991)
Licenses and permits	30,000	-	39,000	(39,000)
Membership fees	10,000	9,194	13,000	(3,806)
Maintenance				
Service agreement	1,105,000	1,098,063	1,437,000	(338,937)
Software maintenance (SUA II)	985,000	978,249	-	978,249
Network administration	270,000	266,380	351,000	(84,620)
HVAC maintenance	57,000	55,792	75,000	(19,208)
Generator maintenance	53,000	33,779	69,000	(35,221)
ALCO general maintenance	600,000	600,000	660,000	(60,000)
COCO general maintenance	265,000	261,854	345,000	(83,146)
CSI telecommunications	200,000	40,000	260,000	(220,000)
Microwave maintenance	125,000	123,245	136,000	(12,755)
Miscellaneous	15,000	3,600	20,000	(16,400)
Security	25,000	21,900	33,000	(11,100)
Utilities	225,000	189,302	293,000	(103,698)
Website hosting	4,000	3,117	6,000	(2,883)
Total expenses	4,636,000	4,105,142	4,586,000	(480,858)
CAPITAL EXPENDITURES				
Walton Lane Simulcast Site	-	-	1,746,000	(1,746,000)
Microwave Network Upgrade	962,000	865,690	-	865,690
Encryption Upgrade	1,621,000	1,395,783	-	1,395,783
TDMA/Microwave Upgrade	1,664,000	1,663,030	1,872,000	(208,970)
DC Power Upgrade	250,000	-	250,000	(250,000)
Dispatch Consoles	25,000	-	25,000	(25,000)
Security System	30,000	29,496	-	29,496
Software maintenance (SUA II)	-	-	985,000	(985,000)
Total expenditures	4,552,000	3,953,999	4,878,000	(924,001)
DEBT SERVICE				
Principal	533,000	533,000	554,000	(21,000)
Interest	117,000	117,000	96,000	21,000
Total expenses	\$ 650,000	\$ 650,000	\$ 650,000	\$ -

1. TDMA Upgrade is the annual payment for the Change Order approved by the Board of Directors

2. DC Power Upgrade is an annual amount to replace the batteries in various locations

EAST BAY REGIONAL COMMUNICATIONS SYSTEM AUTHORITY
PROJECTED CASH RESERVE BALANCES
FISCAL YEAR 2023-2024

	FY22-23	FY22-23	FY23-24
	Final Budget	Projected	Budget
Operating Reserve			
Beginning Balance	\$ 1,904,000	\$ 1,904,000	\$ 2,052,500
Operating Payments	7,453,000	7,494,000	7,453,000
Initial Payments	-	18,000	-
Interest	100,000	176,000	100,000
Operating Expenses	(4,636,000)	(4,105,000)	(4,586,000)
Transfer to Capital Reserve	(2,502,503)	(3,434,500)	(3,726,500)
Ending Balance	2,318,497	2,052,500	1,293,000
Debt Service Reserve			
Beginning Balance	1,000,000	1,000,000	1,000,000
Service Payments	1,260,000	1,524,000	1,512,000
Debt Service	(650,000)	(650,000)	(650,000)
Transfer to Capital Reserve	(610,000)	(874,000)	(862,000)
Ending Balance	1,000,000	1,000,000	1,000,000
Capital Reserve			
Beginning Balance	12,693,000	12,693,000	13,047,500
Transfer In	3,112,503	4,308,500	4,588,500
Capital	(4,552,000)	(3,954,000)	(4,878,000)
Ending Balance	11,253,503	13,047,500	12,758,000
Total Reserve Balance	\$ 14,572,000	\$ 16,100,000	\$ 15,051,000

1. Operating Reserve Balance is equal to 50% of the next fiscal years Operating Budget
2. Debt Reserve Balance is set to equal \$1,000,000 every fiscal year
3. Capital Reserve Balance is the projected remaining cash after the Operating and Debt Reserve requirements have been met

EAST BAY REGIONAL COMMUNICATIONS SYSTEM AUTHORITY

10 YEAR CASH FLOW PROJECTION

	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29	FY 2029-30	FY 2030-31	FY 2031-32
	Projected	Budget	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast
Operating Reserve										
Balance - beginning	1,904,000	2,052,500	1,293,000	2,184,980	2,278,880	2,359,195	2,451,563	2,556,126	2,647,531	2,751,432
Receipts from members	7,688,000	7,553,000	7,660,000	7,660,000	7,660,000	7,660,000	7,660,000	7,660,000	7,660,000	7,660,000
Payments to suppliers	(4,105,000)	(4,586,000)	(4,369,960)	(4,557,760)	(4,718,390)	(4,903,126)	(5,112,252)	(5,295,062)	(5,502,863)	(5,736,661)
Transfer to Capital Reserve	(3,434,500)	(3,726,500)	(2,398,060)	(3,008,340)	(2,861,295)	(2,664,506)	(2,443,185)	(2,273,533)	(2,053,237)	(1,806,440)
Balance - ending	2,052,500	1,293,000	2,184,980	2,278,880	2,359,195	2,451,563	2,556,126	2,647,531	2,751,432	2,868,331
Debt Service Reserve										
Balance - beginning	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	-	-	-	-
Service payment	1,524,000	1,512,000	1,512,000	1,512,000	1,512,000	-	-	-	-	-
Principal	(533,000)	(554,000)	(576,000)	(600,000)	(623,000)	-	-	-	-	-
Bond interest	(117,000)	(96,000)	(74,000)	(50,000)	(27,000)	-	-	-	-	-
Transfer to Capital Reserve	(874,000)	(862,000)	(862,000)	(862,000)	(862,000)	(1,000,000)	-	-	-	-
Balance - ending	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	-	-	-	-	-
Capital Reserve										
Balance - beginning	12,693,000	13,047,500	12,758,000	12,871,660	13,554,624	14,047,928	14,438,123	13,560,905	14,338,099	14,845,143
Transfer In	4,308,500	4,588,500	3,260,060	3,870,340	3,723,295	3,664,506	2,443,185	2,273,533	2,053,237	1,806,440
Capital	(3,954,000)	(4,878,000)	(3,146,400)	(3,187,376)	(3,229,991)	(3,274,311)	(3,320,403)	(1,496,339)	(1,546,193)	(1,598,041)
Balance - ending	13,047,500	12,758,000	12,871,660	13,554,624	14,047,928	14,438,123	13,560,905	14,338,099	14,845,143	15,053,542
TOTAL RESERVE BALANCE	16,100,000	15,051,000	16,056,640	16,833,504	17,407,123	16,889,686	16,117,031	16,985,630	17,596,574	17,921,872

SUPPLEMENTARY SCHEDULE FOR PAYMENTS TO SUPPLIERS

Administration	(251,000)	(514,000)	(534,560)	(555,942)	(578,180)	(601,307)	(625,359)	(650,373)	(676,388)	(703,444)
Audit fees	(18,000)	(26,000)	(27,040)	(28,122)	(29,247)	(30,417)	(31,634)	(32,899)	(34,215)	(35,584)
Contingency	-	(100,000)	(100,000)	(100,000)	(100,000)	(100,000)	(100,000)	(100,000)	(100,000)	(100,000)
Insurance	(72,000)	(102,000)	(106,080)	(110,323)	(114,736)	(119,325)	(124,098)	(129,062)	(134,224)	(139,593)
Legal	(11,000)	(26,000)	(27,040)	(28,122)	(29,247)	(30,417)	(31,634)	(32,899)	(34,215)	(35,584)
Lease	(69,000)	(81,000)	(84,240)	(87,610)	(91,114)	(94,759)	(98,549)	(102,491)	(106,591)	(110,855)
Licenses and permits	-	(39,000)	(40,560)	(42,182)	(43,869)	(45,624)	(47,449)	(49,347)	(51,321)	(53,374)
Membership fees	(9,000)	(13,000)	(13,520)	(14,061)	(14,623)	(15,208)	(15,816)	(16,449)	(17,107)	(17,791)
Maintenance										
Customer svc. agmt.	(1,098,000)	(1,437,000)	(1,099,000)	(1,142,960)	(1,188,678)	(1,236,225)	(1,285,674)	(1,337,101)	(1,390,585)	(1,446,208)
SUA II	(978,000)	-	-	-	-	-	-	-	-	-
System management	(266,000)	(351,000)	(365,040)	(379,642)	(394,828)	(410,621)	(427,046)	(444,128)	(461,893)	(480,369)
HVAC	(56,000)	(75,000)	(78,000)	(81,120)	(84,365)	(87,740)	(91,250)	(94,900)	(98,696)	(102,644)
Generators	(34,000)	(69,000)	(71,760)	(91,630)	(77,615)	(80,720)	(100,949)	(87,307)	(90,799)	(112,111)
ALCO maintenance	(600,000)	(660,000)	(686,400)	(713,856)	(742,410)	(772,106)	(802,990)	(835,110)	(868,514)	(903,255)
COCO maintenance	(262,000)	(345,000)	(358,800)	(373,152)	(388,078)	(403,601)	(419,745)	(436,535)	(453,996)	(472,156)
CSI	(40,000)	(260,000)	(270,400)	(281,216)	(292,465)	(304,164)	(316,331)	(328,984)	(342,143)	(355,829)
Microwave maintenance	(123,000)	(136,000)	(141,440)	(147,098)	(152,982)	(159,101)	(165,465)	(172,084)	(178,967)	(186,126)
Miscellaneous	(4,000)	(20,000)	(20,800)	(21,632)	(22,497)	(23,397)	(24,333)	(25,306)	(26,318)	(27,371)
Security	(22,000)	(33,000)	(34,320)	(35,693)	(37,121)	(38,606)	(40,150)	(41,756)	(43,426)	(45,163)
Utilities	(189,000)	(293,000)	(304,720)	(316,909)	(329,585)	(342,768)	(356,479)	(370,738)	(385,568)	(400,991)
Web site hosting	(3,000)	(6,000)	(6,240)	(6,490)	(6,750)	(7,020)	(7,301)	(7,593)	(7,897)	(8,213)
Payments to suppliers	(4,105,000)	(4,586,000)	(4,369,960)	(4,557,760)	(4,718,390)	(4,903,126)	(5,112,252)	(5,295,062)	(5,502,863)	(5,736,661)

RESOLUTION NO. 23-xx

**A RESOLUTION OF THE
EAST BAY REGIONAL COMMUNICATIONS SYSTEM AUTHORITY**

ADOPTING AN ADMINISTRATIVE BUDGET FOR FISCAL YEAR 2023/2024

WHEREAS, the East Bay Communications System Authority (“EBRCSA”) Executive Director and the Alameda County Auditor-Controller’s Office have jointly prepared, and the EBRCSA Finance Committee has reviewed and recommended, a proposed Administrative Budget for the EBRCSA for Fiscal Year 2023/2024, attached to the accompanying Staff Report as Exhibit B; and

WHEREAS, the Board of Directors of the EBRCSA has reviewed and considered the proposed budget and the accompanying Staff Report, has heard all comment thereon, and finds good cause therefor.

NOW, THEREFORE, BE IT RESOLVED THAT the Board of Directors of the East Bay Regional Communications System Authority does hereby adopt the Fiscal Year 2023/2024 Administrative Budget for the EBRCSA, as outlined in Exhibit B to the accompanying Staff Report.

On motion of xx, seconded by xx, the foregoing Resolution was passed and adopted this 16th day of June, 2023, by the following votes:

AYES:

NOES:

ABSTENTIONS:

ABSENT:

ATTEST:

Caroline P. Soto, Secretary



**East Bay Regional
Communications
System Authority**



Participating agencies include Alameda and Contra Costa Counties and the following cities and special districts: Alameda, Albany, Antioch, Berkeley, Brentwood, Clayton, Concord, Danville, Dublin, El Cerrito, Emeryville, Fremont, Hayward, Hercules, Lafayette, Livermore, Martinez, Moraga, Newark, Oakley, Pinole, Pittsburg, Pleasant Hill, Pleasanton, Richmond, San Leandro, San Pablo, San Ramon, Union City, Walnut Creek, East Bay Regional Park District, Kensington Police Community Services District, Livermore Amador Valley Transit Authority, Moraga-Orinda Fire District, Rodeo-Hercules Fire District, San Ramon Valley Fire District, California Department of Transportation, Ohlone Community College District, Contra Costa Community College District, Dublin-San Ramon Services District and University of California, Berkeley

AGENDA ITEM NO. 3.3.

**BOARD OF DIRECTORS MEETING
MEETING DATE: June 16, 2023**

TO: Board of Directors
East Bay Regional Communications System Authority (EBRCSA)

FROM: Tom McCarthy, Executive Director
East Bay Regional Communications System Authority

SUBJECT: Authorize Purchase of Replacement Microwave Antenna for Hayward Annex

RECOMMENDATIONS:

Adopt a Resolution authorizing the purchase of Hayward Annex Replacement Antenna and mounting hardware for the site referred to as Hayward Annex.

SUMMARY/DISCUSSION:

EBRCSA's System was built utilizing existing microwave communications antennas that were provided by the Member Agencies and a microwave purchase in 2004 via the Super Urban Area Security Initiative Grant.

The Hayward Annex Antenna is an integral part of the EBRCSA's microwave loop which connects Hayward Annex to the Crane Microwave Site. The Antenna at the Site is damaged, cannot be repaired and replacement is necessary to continue with the work upgrading the Site for Ethernet and MPLS.

FISCAL IMPACT:

Motorola has estimated the cost to replace the Hayward Annex Antenna to be \$45,347.00. If the purchase is approved by the Board, Aviat will install the Antenna as part of the Microwave Project. The FY 22/23 Microwave Project Budget includes sufficient funds in the Maintenance Budget to cover the estimated cost of the Antenna and a change order is not necessary. Approval of the purchase will not require an increase in Member Operating fees.

COMMITTEE RECOMMENDATION:

The Finance and Operations Committees reviewed the proposed purchase of the Hayward Annex Replacement Antenna and recommended that the Board approve the purchase as set forth in the FY 22/23 Budget.

RECOMMENDED ACTION:

It is recommended that the Board of Directors adopt the proposed Resolution approving the purchase of Hayward Annex Replacement Antenna and authorize the Executive Director to take all steps necessary to complete the installation of the Replacement Antenna.

Attachment:

Exhibit "A" – Hayward Annex Replacement Antenna

Exhibit "B" – Resolution

5386101.1



MOTOROLA SOLUTIONS

EBRCSA

Hayward Annex Replacement Antenna

February 24th, 2023

The design, technical, and price information furnished with this proposal is proprietary information of Motorola Solutions, Inc. (Motorola). Such information is submitted with the restriction that it is to be used only for the evaluation of the proposal, and is not to be disclosed publicly or in any manner to anyone other than those required to evaluate the proposal, without the express written permission of Motorola Solutions, Inc.

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PS-000140079

Motorola Solutions, Inc.
500 W Monroe Street, Ste 4400
Chicago, IL 60661-3781
USA

2/24/2023

Tom McCarthy
Executive Director
East Bay Regional Communications System Authority

Subject: Hayward Annex Antenna Replacement

Dear Mr. McCarthy,

Motorola Solutions is pleased to present EBRCSA with the following quote for a 10/11 GHz replacement antenna to be installed at Hayward Annex. The quote includes:

- 4' 10/11 GHz Antenna
- Side Struts
- Mounting Kits
- Installation, Engineering, and Project Management Services

This proposal shall remain valid for a period of 60 days from the date of this cover letter. EBRCSA may accept this proposal by signing a Change Order to the existing project, or issuing a new Purchase Order referencing quote number QUOTE-2065075ML. Any questions can be directed to your Motorola Account Executive, Mike Larson, our Senior Account Manager, at 530-333-7584.

Sincerely,
Mike Larson
Motorola Solutions, Inc



Quote Number: QUOTE-2065075ML

Billing Address:

EAST BAY REGIONAL COMMUNICATIONS SYSTEM AUTHORITY
4985 BRODER BLVD
DUBLIN CA, 94568

Terms and Conditions: NET30

Item Number	Description	Amount
EQUIPMENT		
1	ANTENNA, 10/11 GHZ , 1.2 M (4FT), VALULINE, HPLP (GT1- RECTANGULAR INTERFACE), DIRECT MOUNT, DISH (STD: WHITE), 10.125-11.7 GHZ, RADOME (STD: GRAY), SINGLE POL., CLASS III/FCC101A, SINGLE PIECE REFLECTOR, 250 KMPH, 200 KMPH (VHLP4-11W-GT1A)	\$13,017.00
2	STRUT, INBOARD SIDE KIT FOR 3 FT, 4 FT AND 6 FT COMMSCOPE MICROWAVE ANTENNAS (VSTRUT-P3KIT)	
3	UNIVERSAL PIPE MOUNT KIT WITH OPEN FACE TAPER ADJUSTMENT FOR ROUND OR 60° ANGLE LEGS UP TO 8" OR 6", 90° ANGLE LEGS, 4-1/2" X 96" (114.3 MM X 2.4 M) ANTENNA MOUNTING PIPE, 6 FT PIPE, STRUT ATTACHMENT BRACKETS FOR 3 1/2 OD PIPE (MTC3513LMS)	
EQUIPMENT		
1	PROGRAM MANAGEMENT	\$43,701.00
2	PROJECT/SITE ENGINEERING	
3	NETWORK/SYSTEM ENGINEERING	
4	ANTENNA SYS INSTALLATION - Hayward Annex - Coyote Hills - Tower	
5	FIELD INSTALLATION - Hayward Annex - Coyote Hills - Radio	
6	TRANSMISSION ENGINEERING - LICENSE APPLICATIONS	

SUBTOTAL	\$56,718.00
SERVICE DISCOUNT	-\$12,705.24
TAX	\$1,334.24
TOTAL	\$45,347.00



RESOLUTION NO. 23-__

**A RESOLUTION OF THE
EAST BAY REGIONAL COMMUNICATIONS SYSTEM AUTHORITY**

**AUTHORIZING THE PURCHASE OF REPLACEMENT MICROWAVE
ANTENNA FOR HAYWARD ANNEX.**

WHEREAS, the East Bay Regional Communications System Authority (“EBRCSA”) has contracted with Motorola Solutions, Inc. (“Motorola”) for the purchase of communications equipment, maintenance, and related services in connection with a P-25 compliant communications system serving Alameda and Contra Costa Counties and individual political jurisdictions therein (the “System”); and

WHEREAS, the System was built utilizing existing microwave communications antennas provided by the Member Agencies and a microwave purchase in 2004 via the Super Urban Area Security Initiative Grant; and

WHEREAS, the Hayward Annex Antenna is an integral part of the System’s microwave loop which connects Hayward Annex to the Crane Microwave Site. The Antenna at the Site is damaged, cannot be repaired and replacement is necessary to continue with the work upgrading the Site for Ethernet and MPLS; and

WHEREAS, Motorola has provided an estimated cost to replace the Hayward Annex Antenna of \$45,347.00; and

WHEREAS, funds are available to cover such cost, and good cause appears therefor.

NOW, THEREFORE, BE IT RESOLVED THAT the Board of Directors of the East Bay Regional Communications System Authority does hereby approve the purchase of a replacement Hayward Annex Antenna; and authorizes its Executive Director to take such further action as may be necessary and appropriate to implement such purchase.

On motion of xx, seconded by xx, the foregoing Resolution was passed and adopted this 16th day of June, 2023, by the following votes:

AYES:

NOES:

ABSTENTIONS:

ABSENT:

ATTEST: _____
Caroline Soto, Secretary



**East Bay Regional
Communications
System Authority**



Participating agencies include Alameda and Contra Costa Counties and the following cities and special districts: Alameda, Albany, Antioch, Berkeley, Brentwood, Clayton, Concord, Danville, Dublin, El Cerrito, Emeryville, Fremont, Hayward, Hercules, Lafayette, Livermore, Martinez, Moraga, Newark, Oakley, Pinole, Pittsburg, Pleasant Hill, Pleasanton, Richmond, San Leandro, San Pablo, San Ramon, Union City, Walnut Creek, East Bay Regional Park District, Kensington Police Community Services District, Livermore Amador Valley Transit Authority, Moraga-Orinda Fire District, Rodeo-Hercules Fire District, San Ramon Valley Fire District, California Department of Transportation, Ohlone Community College District, Contra Costa Community College District, Dublin-San Ramon Services District and University of California, Berkeley

AGENDA ITEM NO. 3.4.

**BOARD OF DIRECTORS MEETING
MEETING DATE: June 16, 2023**

TO: Board of Directors
East Bay Regional Communications System Authority (EBRCSA)

FROM: Tom McCarthy, Executive Director
East Bay Regional Communications System Authority

SUBJECT: Authorize Purchase and Repair of Existing Legacy Microwave Equipment.

RECOMMENDATIONS:

Adopt a Resolution authorizing the purchase of advance replacement of legacy Microwave equipment from Aviat to ensure that the County Radio Technicians have access to legacy parts necessary for repairs until Microwave Project is completed.

SUMMARY/DISCUSSION:

EBRCSA's microwave system is being currently being upgraded ("Microwave Project") resulting in a hybrid system consisting of legacy and new microwave equipment. Alameda and Contra Costa County Radio Technicians require access to replacement of legacy parts necessary for repairs until the Microwave Project is completed. The proposed purchase would allow EBRCSA to immediately purchase spare legacy equipment to make immediate repairs and return the part for repair as part of the advance exchange program.

The proposed purchase order amount of \$45,000 is based on EBRCSA's average cost over the past two years for purchase of advance parts and parts replacement. The proposed purchase order is limited for one year duration and authorizes payment for services or parts as necessary based upon EBRCSA's needs.

During the proposed one-year period, the Authority plans to have removed the existing equipment which is being replaced. Once the Microwave Project is complete, a new Maintenance Agreement will be entered into with Aviat for the maintenance and advance parts replacement for the upgraded Microwave System.

If the proposed purchase is approved, the Radio Shops will notify Aviat when they need assistance with a part replacement or component due to a failure of the legacy Microwave System equipment. Aviat will then send the Authority a replacement immediately and the Authority will return the malfunctioning component.

FISCAL IMPACT:

The Purchase Order is proposed for \$45,000.00. The FY 22/23 Microwave Budget has sufficient funds in the Maintenance Budget to cover the cost of the proposed Purchase Order. The proposed purchase Order will not require an increase in Member Operating fees.

COMMITTEE RECOMMENDATION:

The Finance and Operations Committees reviewed the proposed Purchase Order and recommended that the Board approve the Purchase Order for advance replacement of parts and purchase of parts as necessary.

RECOMMENDED ACTION:

It is recommended that the Board of Directors adopt the proposed Resolution approving the Purchase Order.

Attachment:
Exhibit "A" – Resolution

RESOLUTION NO. 23-__

**A RESOLUTION OF THE
EAST BAY REGIONAL COMMUNICATIONS SYSTEM AUTHORITY**

**AUTHORIZING THE PURCHASE OF REPLACEMENT LEGACY MICROWAVE
EQUIPMENT.**

WHEREAS, the East Bay Regional Communications System Authority (“EBRCSA”) has contracted with Motorola Solutions, Inc. (“Motorola”) for the purchase of communications equipment, maintenance, and related services in connection with a P-25 compliant communications system serving Alameda and Contra Costa Counties and individual political jurisdictions therein (the “System”); and

WHEREAS, the System is being currently being upgraded (“Microwave Project”) resulting in a hybrid system consisting of legacy and new microwave equipment; and

WHEREAS, Alameda and Contra Costa County Radio Technicians require access to replacement of legacy parts necessary for repairs until the Microwave Project is completed; and

WHEREAS, the proposed purchase order amount of \$45,000 is based on EBRCSA’s average cost over the past two years for purchase of advance parts and parts replacement. The proposed purchase order is limited for one-year duration and authorizes payment for services or parts as necessary based upon EBRCSA’s needs; and

WHEREAS, funds are available to cover such cost, and good cause appears therefor.

NOW, THEREFORE, BE IT RESOLVED THAT the Board of Directors of the East Bay Regional Communications System Authority does hereby approve Change Order Number ___ for the purchase of advance parts and parts replacement and authorize its Chair to execute such change order; and authorize its Executive Director to take such further action as may be necessary and appropriate to implement such change order.

On motion of xx, seconded by xx, the foregoing Resolution was passed and adopted this 16th day of June, 2023, by the following votes:

AYES:

NOES:

ABSTENTIONS:

ABSENT:

ATTEST: _____
Caroline Soto, Secretary