



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

REVISED OPERATIONS COMMITTEE MEETING

NOTICE OF REGULAR MEETING

DATE: April 5, 2019

TIME: 9:30 a.m.

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

AGENDA

1. Call to Order/Roll Call
2. Public Comments (Meeting Open to the Public):
At this time, the public is permitted to address the Committee on items within the Committee's subject matter jurisdiction that do not appear on the agenda. 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.
3. Approval of Minutes of the February 22, 2019, Operations Committee Meeting
4. Renewal of agreement with Motorola for four-years of Monitoring, Intrusion Detection, Technical Support, Preventive Maintenance and Infrastructure Response for Master Site
5. Renewal of Annual Service Agreement with Motorola for System Manager
6. Budget Review FY 2019/2020
7. Update on Capitol Replacement Report
8. Agenda Items for Next Meeting
9. 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 72 hours before the noted meeting.

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

Tom McCarthy

Tom McCarthy, Executive Director
March 31, 2019

NOTE: AGENDA REVISED 4-1-2019 AT 3:00 PM



**East Bay Regional
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AGENDA ITEM NO. 3.

**AGENDA STATEMENT
OPERATIONS COMMITTEE MEETING
MEETING DATE: April 5, 2019**

TO: Operations Committee
East Bay Regional Communications System Authority (EBRCSA)

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

SUBJECT: Approval of Minutes of the February 22, 2019 Regular Operations Committee Meeting

RECOMMENDATIONS:

Approve the minutes of the February 22, 2019 Regular Operations Committee Meeting.

SUMMARY/DISCUSSION:

The Operations Committee will consider approval of the minutes of the February 22, 2019 Regular Operations Committee Meeting.

RECOMMENDED ACTION:

It is recommended that the Committee approve the minutes of the February 22, 2019 Regular Operations Committee Meeting.



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OPERATIONS COMMITTEE MEETING

NOTICE OF REGULAR MEETING

DATE: February 22, 2019

TIME: 9:30 a.m.

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

MINUTES

1. Call to Order/Roll Call

G. Ahern, Sheriff, Alameda County Sheriff's Office
C. Nice, Assistant Sheriff, Alameda County Sheriff's Office
N. Luby, Deputy Chief, Oakland Fire Department
P. Meyer, Fire Chief, San Ramon Valley Fire Authority
J. Tudor, Police Chief, San Leandro Police
J. Vorhauer, Assistant Sheriff, Contra Costa County Sheriff's Office

Staff:

T. McCarthy, Executive Director
C. Soto, Administrative Assistant

Public:

William Pigeon, Assistant Fire Chief – Communications, Contra Costa County Fire Protection District
Charles Stark, Assistant Fire Chief, Contra Costa County Fire Protection District
Tammany Brooks, Chief, Antioch Police
Alan Love, Captain, East Bay Regional Parks District
G. Poole, Motorola

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

No public comments were made.

3. Approval of Minutes of the August 31, 2018, Operations Committee Meeting

On motion of Bm. Nice, seconded by Bm. Vorhauer and by unanimous vote, the Operations Committee approved the minutes of the August 31, 2018 Operations Committee Meeting.

4. 2019 EBRCSA Calendar Committee and Board Meetings

On motion of Bm. Nice, seconded by Bm. Luby, and by unanimous vote, the Operations Committee approved the 2019 EBRCSA Calendar of Committee and Board meetings for approval by the full Board at the March 1, 2019 Board meeting.

5. Discussion of Nominations for the Board of Directors Chair and Vice Chair to be Voted on and Take Effect at the Close of the Meeting on March 1, 2019

Director McCarthy stated an email would be sent to all members informing them that nominations would be open for consideration at the March 1, 2019 Board meeting. It would include information that both Chair Ahern and Vice Chair Casten were interested in continuing in their current positions for another year.

On motion of Bm. Nice, seconded by Bm. Tudor and by unanimous vote, the Operations Committee agreed to recommend the nominations and elections of the Chair and Vice Chair at the next Board meeting on March 1, 2019.

6. Amendment to Agreement with California Generator for Scheduled Three-Year Preventative Maintenance, Coolant System Services, and Budget Change

Director McCarthy presented the Staff Report and advised that this was an informational item for the Operations Committee as the Finance Committee would be voting on it for recommendation to the full Board at the March 1, 2019 Board meeting. This item would provide three-year preventative maintenance on seven generators and would necessitate a budget change order for \$16,845, with California Generator.

7. Walton Lane Simulcast Site

Director McCarthy presented the staff report and advised that this item dealt with a coverage issue at Walton Lane in Antioch. Although the City of Antioch did not join the Authority when the System was originally built, the coverage issue still affected Contra Costa County Fire, East Bay Regional Park District (EBRPD), EMS/AMR, and the Contra Costa County Sheriff, all working in that area. Antioch subsequently joined the Authority and this coverage issue still exists. This coverage issue had come before the Operations Committee in 2017 but was not approved to move to the full Board for consideration. Director McCarthy had been meeting with the affected agencies, including the City of Antioch and looking at Walton Lane to see what could be done to remedy the coverage issue. Antioch Police had been using their old radio system when they were in that area, which may not be recorded or maintained. One alternative was to

use the City of Antioch's site, tower and shelter to house System equipment. Director McCarthy was looking for approval from the Operations Committee, Finance Committee and the full Board to move forward with investigation and analysis of alternatives, including pricing. He had worked with Contra Costa County Fire Chiefs to write a grant for funds, which was denied. This would be a minimum of \$853,515, just for the equipment. He would work with Antioch to secure their current tower; it would be the quickest, most efficient way to get Antioch on board. He was asking for permission to use CSI for an analytical study, and information from Motorola, in analyzing the possible use of the tower.

Alan Love, Captain, East Bay Regional Parks District, provided public comment in support of the Walton Lane Simulcast site.

Tammany Brooks, Chief, Antioch Police Dept, provided public comment in support of the Walton Lane Simulcast site.

Charles Stark, Assistant Fire Chief, Contra Costa County Fire Protection District, provide public comment in support of the Walton Lane Simulcast site.

William Pidgeon, Assistant Fire Chief - Communications, Contra Costa County Fire Protection District, provided public comment in support of the Walton Lane Simulcast site.

Chief Brooks added, if the Authority agreed to move forward, he would be an advocate for the Authority to the City Manager of Antioch and elected officials as to why they needed to allow the Authority the use of the present Antioch tower site.

Chief McCarthy stated he would bring an item to the full Board regarding a condition of approval the City of San Ramon had with developers in which if they develop, they were responsible to maintain the radio coverage throughout the development. They would pay for power, PG&E, the shelter, towers, etc. Director McCarthy would request permission to meet with all member agency City Managers and County Administrators informing them of this condition of approval.

On motion of Bm. Meyer, seconded by Bm. Nice and by unanimous vote, the Operations Committee agreed to move the item investigating adding a Simulcast Site to Walton Lane in Antioch to the full Board for consideration.

8. Receive an Update on the Time Division Multiple Access (TDMA) Upgrade

Director McCarthy advised that the Time Division Multiple Access (TDMA) Upgrade was installed. Everyone has been doing well. They would run up to the June 2020 date to complete all work.

9. Receive an Update on the Faria Preserve Project, City of San Ramon

Director McCarthy advised that the new Faria Reserve development coverage had been inspected was working well.

10. Receive an Update on Caltrans and Paramedics Plus

Director McCarthy advised that he was working with Falk Ambulances to include them in the System, as they would be taking the place Paramedics Plus in Alameda County.

Caltrans was an original member and were now asking to be taken off the System and cease to pay debt service. They did pay debt service, but never purchased consoles or radios. They would be building their own radio system.

11. Future Agenda Items

Director McCarthy asked that an official evaluation of his services to EBRCSA be completed.

Chair Ahern agreed that he would send out a questionnaire regarding Director McCarthy's evaluation.

12. Adjournment

With no further business to come before the Operations Committee, the meeting was adjourned at 10:07 a.m.



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AGENDA ITEM 4

**AGENDA STATEMENT
OPERATIONS COMMITTEE MEETING
MEETING DATE: April 5, 2019**

TO: Operations Committee
East Bay Regional Communications System Authority (EBRCSA)

FROM: Thomas G. McCarthy, Executive Director
East Bay Regional Communications System Authority

SUBJECT: Renewal of agreement with Motorola for four years of Monitoring, Intrusion Detection, Technical Support, Preventive Maintenance and Infrastructure Response for Master Site

RECOMMENDATIONS:

Review and if Committee agrees make a recommendation to the Board of Directors to renew the Services Agreement with Motorola Solutions Inc., for four years, to continue System Monitoring, Intrusions Detection, Technical Support, Preventive Maintenance and Infrastructure Response for East Bay Regional Communications System Authority (EBRCSA) Master Site.

SUMMARY/DISCUSSION:

Motorola Solutions Inc. ("Motorola") has provided monitoring of the EBRCSA Master Site for the past three years and this is a renewal of the agreement. Motorola monitors Dispatch, the Network, Security, Intrusion Detection, and Security Updates 24/7/365. In addition Technical Support is included for Infrastructure Repair with Advanced Component Replacement, Onsite Response, Performance Reports, and monitoring of the NICE Logging System.

Motorola is the first to identify any anomaly in our system and immediately notify us and advise of how this will be corrected or provide information so that we can dispatch a Technician from either the Alameda County Radio Shop or the Contra Costa County DoIT. The monitoring of the system and having proper security protocols assist in maintaining the Master Site, Prime Sites, Remote Sites, and Dispatch Sites preventing intrusion and damage or identifying a failure in our system which is IT based.

FINANCIAL IMPACT:

The proposed Services Agreement (Attachment “A”) is for \$4,394,000.00 for four years and is billed at the rate of \$1,098,600.00 annually over the life of the four year term of the Agreement. The previous agreement was \$966,272.44 for the 2018/2019 Fiscal Year.

The increase is \$132,327.56 and due to the addition of Cyber Security services which have been added to the services provided. Security Patches will be sent throughout the system, however, they will be verified by Motorola that they have been properly uploaded and functioning. The Annual cost has been included in the Fiscal Year 2019/2020 budget is included in the maintenance budget. The increase of the Services Agreement will not require an increase in the user fees for EBRCSA members.

RECOMMENDED ACTION:

It is recommended that your Committee recommend to the Board of Directors the renewal of the Services Agreement with Motorola Solutions Inc. to continue System Monitoring, Intrusions Detection, Technical Support, Preventive Maintenance and Infrastructure Response for East Bay Regional Communications System Authority (EBRCSA) Master Site.

Attachments: “A”



SERVICE AGREEMENT

1299 E Algonquin Road
 Schaumburg, IL 60196
 (800) 247-2346

Contract Number: USC000002818
 Contract Modifier:

Date: 09-FEB-2019

Company Name:	East Bay Regional Communications System Authority
Attn.:	
Billing Address:	4985 Broder Blvd
City, State, Zip Code:	Dublin, CA 94568
Customer Contact:	Tom McCarthy
Phone:	510-225-5930

P.O. #:
 Customer #: 1036520494
 Bill to Tag#: 0001
 Contract Start Date: 01-JUL-2019
 Contract End Date: 30-JUN-2023
 Payment Cycle: ANNUALLY
 Currency: USD

QTY	MODEL/OPTION	SERVICES DESCRIPTION	MONTHLY EXT	EXTENDED AMT
		**** Recurring Services **** YEAR 1 – 19/20		
	LSV01S00516A	ADVANCED SERVICES	\$91,550.00	\$1,098,600.00
	Centralized Service	Network Monitoring		
	Centralized Service	Technical Support		
	Centralized Service	Dispatch Service		
	Field Services	Onsite - Regular		
	Field Services	Preventive Maintenance Level 1		
	Repair Management	Infrastructure Repair		
	Security Management	Network Security Monitoring		
	Security Management	Security Update Service		
	Security Management	Remote Security Update Service Management		
	3PV Maintenance	Nice Post Warranty Maintenance - GOLD LITE		
		YEAR 2 – 20/21		
	LSV01S00516A	ADVANCED SERVICES	\$91,550.00	\$1,098,600.00
	Centralized Service	Network Monitoring		
	Centralized Service	Technical Support		
	Centralized Service	Dispatch Service		

Field Services	Onsite - Regular
Field Services	Preventive Maintenance Level 1
Repair Management	Infrastructure Repair
Security Management	Network Security Monitoring
Security Management	Security Update Service
Security Management	Remote Security Update Service Management
3PV Maintenance	Nice Post Warranty Maintenance - GOLD LITE

YEAR 3– 21/22

LSV01S00516A	ADVANCED SERVICES	\$91,550.00	\$1,098,600.00
Centralized Service	Network Monitoring		
Centralized Service	Technical Support		
Centralized Service	Dispatch Service		
Field Services	Onsite - Regular		
Field Services	Preventive Maintenance Level 1		
Repair Management	Infrastructure Repair		
Security Management	Network Security Monitoring		
Security Management	Security Update Service		
Security Management	Remote Security Update Service Management		
3PV Maintenance	Nice Post Warranty Maintenance - GOLD LITE		

YEAR 4– 22/23

LSV01S00516A	ADVANCED SERVICES	\$91,550.00	\$1,098,600.00
Centralized Service	Network Monitoring		
Centralized Service	Technical Support		
Centralized Service	Dispatch Service		
Field Services	Onsite - Regular		
Field Services	Preventive Maintenance Level 1		
Repair Management	Infrastructure Repair		
Security Management	Network Security Monitoring		
Security Management	Security Update Service		
Security Management	Remote Security Update Service Management		
3PV Maintenance	Nice Post Warranty Maintenance - GOLD LITE		

	Sub Total		\$4,394,000.00
	Taxes		
	Grand Total		\$4,394,000.00
SPECIAL INSTRUCTIONS - ATTACH STATEMENT OF WORK FOR PERFORMANCE DESCRIPTIONS If customer does not provide MSI a valid, executed contract renewal within 30 days of contract expiration, a onetime administrative fee equal to 5% of the subsequent year's annual contract rate will be billed to the Customer on reestablishment of the expired service contract.		THIS SERVICE AMOUNT IS SUBJECT TO STATE AND LOCAL TAXING JURISDICTIONS WHERE APPLICABLE. TO BE VERIFIED BY MOTOROLA SOLUTIONS	

I received Statements of Work that describe the services provided on this Agreement. Motorola's Service Terms and Conditions, a copy of which is attached to this Service Agreement, is incorporated herein by this reference.

AUTHORIZED CUSTOMER SIGNATURE	TITLE	DATE
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CUSTOMER (PRINT NAME)

MOTOROLA REPRESENTATIVE (SIGNATURE)	TITLE	DATE
-------------------------------------	-------	------

WAYNE WAHLGREN / RON HARMAN	916-605-9544
MOTOROLA REPRESENTATIVE (PRINT NAME)	PHONE

Company Name : East Bay Regional
 Communications System
 Authority
 Contract Number : USC000002818
 Contract Modifier :
 Contract Start Date : 01-JUL-2019
 Contract End Date : 30-JUN-2023



**East Bay Regional
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AGENDA ITEM 5

**AGENDA STATEMENT
OPERATIONS COMMITTEE MEETING
MEETING DATE: April 5, 2019**

TO: Operations Committee
East Bay Regional Communications System Authority (EBRCSA)

FROM: Thomas G. McCarthy, Executive Director
East Bay Regional Communications System Authority

SUBJECT: Renewal of Services Agreement with Motorola Solutions Inc. to Provide System Support, Repair, Trouble-Shooting, and Consulting/Problem-Solving

RECOMMENDATIONS:

Review, and if Committee agrees, make a recommendation to the Board of Directors to renew the Services Agreement with Motorola Solutions Inc. to continue System support and training for the East Bay Regional Communications System Authority (EBRCSA) System.

SUMMARY/DISCUSSION:

Representatives from Alameda and Contra Costa Counties and EBRCSA staff, have been working with Motorola Solutions Inc. ("Motorola") since the EBRCSA System was completed to maintain the system and ensure the System is functioning correctly. In the past year we have identified issues where we needed to train Dispatchers concerning the Consoles they use. The information needed to keep accurate records is changing and we must provide the necessary training. We have adopted a train the trainer program where Motorola as part of this agreement provides the person to perform the training. The Master Site has constant upgrades which are managed by our System Manager and Technician who were retained on contract. The Alameda County ITD and Contra Costa County DofIT technicians have received training on the maintenance and trouble-shooting of the System components. We changed equipment within the

System as part of the upgrade that require ongoing support from Motorola. We are continuing to expand the System, adding Dispatch Centers, the ISSI 8000, and MCC 7500 consoles.

The training, guidance, and updates which Motorola provides these staff members is invaluable.

FISCAL IMPACT:

The Services Agreement (Attachment “A”) is for \$275,466.29 for the fiscal year FY2019/2020 and is included in the FY 2019/2020 Budget under Maintenance. The increase to the agreement from the FY 2018/2019 is \$27,209.81 and is partially attributed to salary adjustments. The funding for the Network Administration will not require an increase in the user fees for EBRCSA members.

RECOMMENDED ACTION:

It is recommended that the Committee recommend to the Board of Directors the renewal of the Services Agreement with Motorola Solutions Inc. to continue System support and training for the East Bay Regional Communications System Authority (EBRCSA) System.

Attachments: “A”



SERVICE AGREEMENT

1299 E Algonquin Road
 Schaumburg, IL 60196
 (800) 247-2346

Contract Number: USC000007120
 Contract Modifier:

Date: 31-JAN-2019

Company Name: East Bay Regional Communications System Authority
 Attn.:
 Billing Address: 4985 Broder Blvd
 City, State, Zip Code: Dublin, CA 94568
 Customer Contact: Tom McCarthy
 Phone: 510-225-5930

P.O.#:
 Customer #: 1036520494
 Bill to Tag#: 0001
 Contract Start Date: 01-JUL-2019
 Contract End Date: 30-JUN-2020
 Payment Cycle: Annual
 Currency: USD

QTY	MODEL/OPTION	SERVICES DESCRIPTION	MONTHLY EXT	EXTENDED AMT
	SVC01SVC2012C	***** Recurring Services ***** SP – CONTRACT / NETWORK ADMINISTRATION SERVICES	\$22,955.52	\$275,466.29
Sub Total			\$22,955.52	\$275,466.29
Taxes			\$0.00	\$0.00
Grand Total			\$22,955.52	\$275,466.29
SPECIAL INSTRUCTIONS - ATTACH STATEMENT OF WORK FOR PERFORMANCE DESCRIPTIONS If customer does not provide MSI a valid, executed contract renewal within 30 days of contract expiration, a onetime administrative fee equal to 5% of the subsequent year's annual contract rate will be billed to the Customer on reestablishment of the expired service contract.			<small>THIS SERVICE AMOUNT IS SUBJECT TO STATE AND LOCAL TAXING JURISDICTIONS WHERE APPLICABLE, TO BE VERIFIED BY MOTOROLA SOLUTIONS</small>	

Subcontractor(s)	City	State
West Adjustment	San Diego	CA

I received Statements of Work that describe the services provided on this Agreement. Motorola's Service Terms and Conditions, a copy of which is attached to this Service Agreement, is incorporated herein by this reference.

 AUTHORIZED CUSTOMER SIGNATURE TITLE DATE

 CUSTOMER (PRINT NAME)

 MOTOROLA REPRESENTATIVE (SIGNATURE) TITLE DATE

RON HARMAN

916-605-9544

MOTOROLA REPRESENTATIVE (PRINT NAME)

PHONE

Company Name : East Bay Regional
Communications System
Authority
Contract Number : USC000007120
Contract Modifier : CHG01
Contract Start Date : 01-JUL-2019
Contract End Date : 30-JUN-2020



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AGENDA ITEM NO. 6

**AGENDA STATEMENT
OPERATIONS COMMITTEE
MEETING DATE: April 5, 2019**

TO: Operations Committee
East Bay Regional Communications System Authority (EBRCSA)

FROM: Thomas G. McCarthy, Executive Director
East Bay Regional Communications System Authority

SUBJECT: Budget Review FY 19/20

RECOMMENDATIONS:

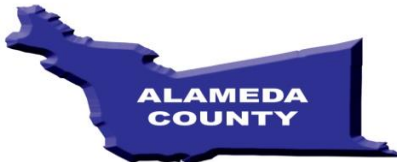
Receive a report from the Executive Director concerning the FY 19/20 Budget. It is recommended that the Committee recommend to the Board of Directors a budget for FY 19/20 based on the information discussed in this item.

SUMMARY/DISCUSSION:

Craig Boyer, Alameda County Auditor's Office, has prepared the FY 19/20 Budget so that the Operations Committee will have information concerning the Fiscal Year Budget.

RECOMMENDED ACTION:

It is recommended that the Committee discuss and reach a consensus for the Fiscal Year Budget for FY 19/20 for presentation to the Board of Directors.



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BUDGET
FISCAL YEAR 2019-20

Revenues

Operating payments	6,400,000
Service payments	1,190,000
Interest	80,000
Total revenues	7,670,000

Expenses

Administration	280,000
Audit fees	20,000
Insurance	30,000
Lease	70,000
Legal	20,000
Licenses and permits	30,000
Membership fees	10,000
Maintenance	3,578,000
Security	11,000
Utilities	160,000
Website hosting	4,000
Total operating expenses	4,213,000
Capital	1,915,000
Debt Service	650,000
Total expenses	6,778,000
Net Income	892,000

**EAST BAY REGIONAL COMMUNICATIONS SYSTEM
EXPENDITURE DETAIL
FISCAL YEAR 2019-2020**

OPERATING EXPENSES	FY18-19 Original Budget	FY18-19 Final Budget	FY18-19 Projected	FY19-20 Budget	Change FY19 vs FY20
Administration					
Executive director	225,000	225,000	220,000	225,000	(5,000)
Administrative assistant	40,000	40,000	9,000	40,000	(31,000)
Travel	5,000	5,000	-	5,000	(5,000)
Miscellaneous	10,000	10,000	3,000	10,000	(7,000)
Audit fees	20,000	20,000	13,000	20,000	(7,000)
Insurance	30,000	30,000	24,000	30,000	(6,000)
Legal	20,000	20,000	5,000	20,000	(15,000)
Lease	50,000	55,000	64,000	70,000	(6,000)
Licenses and permits	30,000	30,000	6,000	30,000	(24,000)
Membership fees	10,000	10,000	9,000	10,000	(1,000)
Maintenance					
Service agreement	967,000	967,000	967,000	1,100,000	(133,000)
Software maintenance (SUA II)	939,000	939,000	939,000	962,000	(23,000)
Network administration	250,000	250,000	250,000	276,000	(26,000)
HVAC maintenance	15,000	15,000	25,000	20,000	5,000
Generator maintenance	40,000	57,000	57,000	40,000	17,000
ALCO general maintenance	600,000	600,000	600,000	600,000	-
COCO general maintenance	220,000	220,000	150,000	200,000	(50,000)
CSI telecommunications	200,000	200,000	200,000	200,000	-
Microwave maintenance	115,000	180,000	180,000	180,000	-
Security	11,000	11,000	11,000	11,000	-
Utilities	150,000	150,000	150,000	160,000	(10,000)
Website hosting	4,000	4,000	4,000	4,000	-
Total expenses	3,951,000	4,038,000	3,886,000	4,213,000	(327,000)
CAPITAL EXPENDITURES					
TDMA Upgrade	1,665,000	1,665,000	1,665,000	1,665,000	-
DC Power Upgrade	250,000	250,000	250,000	250,000	-
Total expenditures	1,915,000	1,915,000	1,915,000	1,915,000	-
DEBT SERVICE					
Principal	454,000	454,000	454,000	473,000	(19,000)
Interest	196,000	196,000	196,000	177,000	19,000
Total expenses	650,000	650,000	650,000	650,000	-

1. Motorola service agreement increased due to a new 4 year contract
2. Network administration contract increased
3. TDMA Upgrade Expense is the annual payment for the Change Order approved by the Board of Directors
4. DC Power Upgrade Expense is an annual amount to replace the batteries in various locations

EAST BAY REGIONAL COMMUNICATIONS SYSTEM

PROJECTED CASH RESERVE BALANCES

FISCAL YEAR 2019-2020

	FY18-19 Final Budget	FY18-19 Projected	FY19-20 Budget
Operating Reserve			
Beginning Balance	1,763,500	1,763,500	1,943,000
Operating Payments	5,900,000	6,019,000	6,400,000
Initial Payments	-	46,000	-
Interest	50,000	80,000	80,000
Operating Expenses	(4,038,000)	(3,886,000)	(4,213,000)
Transfer to Capital Reserve	(1,656,500)	(2,079,500)	(2,103,500)
Ending Balance	2,019,000	1,943,000	2,106,500
Debt Service Reserve			
Beginning Balance	1,000,000	1,000,000	1,000,000
Service Payments	1,300,000	1,223,000	1,190,000
Debt Service	(650,000)	(650,000)	(650,000)
Transfer to Capital Reserve	(650,000)	(573,000)	(540,000)
Ending Balance	1,000,000	1,000,000	1,000,000
Capital Reserve			
Beginning Balance	7,909,925	7,909,925	8,647,425
Grants	-	-	-
Transfer In	2,306,500	2,652,500	2,643,500
Capital	(1,915,000)	(1,915,000)	(1,915,000)
Ending Balance	8,301,425	8,647,425	9,375,925
Total Reserve Balance	11,320,425	11,590,425	12,482,425

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 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
Operating Reserve	Projected	Budget	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast
Balance - beginning	1,763,500	1,943,000	2,106,500	2,169,695	2,234,786	2,301,830	2,370,885	2,442,011	2,515,271	2,590,730	2,668,451
Operating payments	6,019,000	6,400,000	6,467,400	6,480,540	6,493,706	6,506,899	6,520,118	6,533,363	6,546,635	6,559,934	6,573,259
Initial payments	46,000	-	7,300	7,300	7,315	7,329	7,344	7,359	7,373	7,388	7,403
Interest	80,000	80,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000
Administration	(232,000)	(280,000)	(288,400)	(297,052)	(305,964)	(315,142)	(324,597)	(334,335)	(344,365)	(354,696)	(365,336)
Audit fees	(13,000)	(20,000)	(20,600)	(21,218)	(21,855)	(22,510)	(23,185)	(23,881)	(24,597)	(25,335)	(26,095)
Insurance	(24,000)	(30,000)	(30,900)	(31,827)	(32,782)	(33,765)	(34,778)	(35,822)	(36,896)	(38,003)	(39,143)
Legal	(5,000)	(20,000)	(20,600)	(21,218)	(21,855)	(22,510)	(23,185)	(23,881)	(24,597)	(25,335)	(26,095)
Lease	(64,000)	(70,000)	(72,100)	(74,263)	(76,491)	(78,786)	(81,149)	(83,584)	(86,091)	(88,674)	(91,334)
Licenses and permits	(6,000)	(30,000)	(30,900)	(31,827)	(32,782)	(33,765)	(34,778)	(35,822)	(36,896)	(38,003)	(39,143)
Membership fees	(9,000)	(10,000)	(10,300)	(10,609)	(10,927)	(11,255)	(11,593)	(11,941)	(12,299)	(12,668)	(13,048)
Maintenance											
Customer svc. agmt.	(967,000)	(1,100,000)	(1,133,000)	(1,166,990)	(1,202,000)	(1,238,060)	(1,275,201)	(1,313,458)	(1,352,861)	(1,393,447)	(1,435,251)
SUA II	(939,000)	(962,000)	(990,860)	(1,020,586)	(1,051,203)	(1,082,739)	(1,115,222)	(1,148,678)	(1,183,139)	(1,218,633)	(1,255,192)
System management	(250,000)	(276,000)	(284,280)	(292,808)	(301,593)	(310,640)	(319,960)	(329,558)	(339,445)	(349,629)	(360,117)
HVAC	(25,000)	(20,000)	(20,600)	(21,218)	(21,855)	(22,510)	(23,185)	(23,881)	(24,597)	(25,335)	(26,095)
Generators	(57,000)	(40,000)	(41,200)	(42,436)	(43,709)	(45,020)	(46,371)	(47,762)	(49,195)	(50,671)	(52,191)
ALCO maintenance	(600,000)	(600,000)	(618,000)	(636,540)	(655,636)	(675,305)	(695,564)	(716,431)	(737,924)	(760,062)	(782,864)
COCO maintenance	(150,000)	(200,000)	(206,000)	(212,180)	(218,545)	(225,102)	(231,855)	(238,810)	(245,975)	(253,354)	(260,955)
CSI telecommunications	(200,000)	(200,000)	(206,000)	(212,180)	(218,545)	(225,102)	(231,855)	(238,810)	(245,975)	(253,354)	(260,955)
Microwave maintenance	(180,000)	(180,000)	(185,400)	(190,962)	(196,691)	(202,592)	(208,669)	(214,929)	(221,377)	(228,019)	(234,859)
Security	(11,000)	(11,000)	(11,330)	(11,670)	(12,020)	(12,381)	(12,752)	(13,135)	(13,529)	(13,934)	(14,353)
Utilities	(150,000)	(160,000)	(164,800)	(169,744)	(174,836)	(180,081)	(185,484)	(191,048)	(196,780)	(202,683)	(208,764)
Web site hosting	(4,000)	(4,000)	(4,120)	(4,244)	(4,371)	(4,502)	(4,637)	(4,776)	(4,919)	(5,067)	(5,219)
Transfer to Capital Reserve	(2,079,500)	(2,103,500)	(2,092,115)	(1,973,177)	(1,850,318)	(1,723,405)	(1,592,314)	(1,456,920)	(1,317,090)	(1,172,699)	(1,023,598)
Balance - ending	1,943,000	2,106,500	2,169,695	2,234,786	2,301,830	2,370,885	2,442,011	2,515,271	2,590,730	2,668,451	2,748,505

Debt Service Reserve

Balance - beginning	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	-	-
Service payment	1,223,000	1,190,000	1,224,966	1,227,689	1,230,418	1,233,153	1,235,892	1,238,638	1,241,389	1,244,145	1,246,907
Principal	(454,000)	(473,000)	(492,000)	(512,000)	(532,000)	(553,000)	(576,000)	(600,000)	(623,000)	-	-
Bond interest	(196,000)	(177,000)	(158,000)	(138,000)	(118,000)	(97,000)	(74,000)	(50,000)	(27,000)	-	-
Transfer to Capital Reserve	(573,000)	(540,000)	(574,966)	(577,689)	(580,419)	(583,152)	(585,893)	(588,638)	(1,591,388)	(1,244,145)	(1,246,907)
Balance - ending	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	-	-	-

Capital Reserve

Balance - beginning	7,909,925	8,647,425	9,375,925	10,128,006	10,763,872	11,279,609	13,336,166	15,264,373	17,059,931	19,718,409	21,885,253
Grants	-	-	-	-	-	-	-	-	-	-	-
Transfer In	2,652,500	2,643,500	2,667,081	2,550,866	2,430,737	2,306,557	2,178,207	2,045,558	2,908,478	2,416,844	2,270,505
Capital	(1,915,000)	(1,915,000)	(1,915,000)	(1,915,000)	(1,915,000)	(250,000)	(250,000)	(250,000)	(250,000)	(250,000)	(250,000)
Balance - ending	8,647,425	9,375,925	10,128,006	10,763,872	11,279,609	13,336,166	15,264,373	17,059,931	19,718,409	21,885,253	23,905,758

TOTAL RESERVE BALANCE

11,590,425	12,482,425	13,297,701	13,998,659	14,581,439	16,707,051	18,706,384	20,575,201	22,309,139	24,553,704	26,654,263
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