



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 REGULAR MEETING

DATE: December 1, 2017

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. **Announcement of Closed Session Topics/Adjournment to Closed Session:** **Time:** 10:15 a.m.

(Only comments concerning the agenda item listed below are allowed.)

Conference with Real Property Negotiators

Property #1: Pearl Site, a portion of Lot 122, as shown on the Map of the San Pablo Rancho filed March 1, 1894 in the office the County Recorder of Contra Costa County.
Property #2: EBMUD Carter Reservoir on Alta Mesa Drive, Moraga, Lot CC-659
Agency negotiator(s): Tom McCarthy Executive Director
Negotiating parties: East Bay Municipal Utilities District
Under negotiation: Price and terms of payment.

3. **Report out of Closed Session**

4. **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. Please limit comments to a maximum of three (3) minutes.

5. **Presentations:** None

6. **Approval of Minutes**

6.1 Approval of Minutes from the Board Meeting of October 27, 2017

7. **Written Communications:** None

8. **Public Hearings:** None

9. **Action Items:**

9.1 Consider adoption of a Resolution approving Change Order #27 with Motorola Systems, Inc., transition to Phase II, from Frequency Division Multiple Access (FDMA) to Time Division Multiple Access (TDMA).

9.2 Consider recommendation to increase the monthly cost of EBRCSA to ensure adequate reserve for necessary future upgrades.

9.3 Adopt 2018 EBRCSA Calendar Committee and Board Meetings

9.4 Annual Election of Board Chair and Vice Chair as required by the JPA Agreement and Bylaws.

10. **Committee Updates:**

10.1 Receive Informational Report on Recent Finance Committee Activities.

10.2 Receive Informational Report on Recent Operations Committee Activities.

11. **Reports:**

11.1 Update on Benicia.

11.2 Update on East Bay Regional Parks Department.

12. **Board Comments:**

13. **Next Action Steps:**

14. **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.

Tom McCarthy

Tom McCarthy

Executive Director

Dated: November 27, 2017



**East Bay Regional
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AGENDA ITEM NO. 6.1

**AGENDA STATEMENT
BOARD OF DIRECTORS MEETING
MEETING DATE: December 1, 2017**

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

FROM: Sheriff G. Ahern, Board Chair
East Bay Regional Communications System Authority

SUBJECT: Approval of Minutes of the October 27, 2017 Board of Directors Meeting

RECOMMENDATIONS:

Approve the minutes of the October 27, 2017 Board of Directors Meeting.

SUMMARY/DISCUSSION:

The Board of Directors will consider approval of the minutes of the October 27, 2017 Board of Directors Meeting.

RECOMMENDED ACTION:

It is recommended that the Board of Directors approve the minutes of the October 27, 2017 Board of Directors Meeting.



East Bay Regional Communications System Authority



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BOARD OF DIRECTORS MEETING

REGULAR MEETING

DATE: October 27, 2017

TIME: 10:00 a.m.

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

MINUTES

1. Call to Order/Roll Call: 10:01 a.m.

Boardmembers Present:

G. Ahern, C. Andersen (Alternate), T. Anderson, J. Calabrigo, M. Casten, J. Catalano, P. Cutter, J. Diaz, M. Drayton (Alternate), T. Dupuis (Alternate), R. Mc Bain, P. Meyer, P. Mulligan, C. Nice (Alternate*), S. Perkins, M. Roberts, M. Rodriguez, C. Silva, K. Stepper (Alternate*), S. Sullivan (Alternate)

*Non-voting Alternate

Staff Members Present:

T. McCarthy, A. Tyrvanen, R. Donoghue, C. Soto

Public Present:

G. Poole, Motorola

**2. Announcement of
Closed Session Topics/Adjournment to Closed Session: 10:03 a.m.**

Conference with Real Property Negotiators

Property #1: Pearl Site, a portion of Lot 122, as shown on the Map of the San Pablo Rancho filed March 1, 1894 in the office the County Recorder of Contra Costa County.

Property #2: EBMUD Carter Reservoir on Alta Mesa Drive, Moraga, Lot CC-659

Agency negotiator(s): Tom McCarthy Executive Director

Negotiating parties: East Bay Municipal Utilities District

Under negotiation: Price and terms of payment.

There were no public comments on Closed Session.

Bm. S. Haggerty arrived at 10:30 a.m.

Closed Session ended at 10:45 a.m.

Regular Meeting: 10:46 a.m.

3. **Report out of Closed Session:** There was nothing to report out of Closed Session

4. **Public Comments:** There were no public comments made.

5. **Presentations:** None.

Bm. Haggerty left the meeting at 10: 47 a.m.

6. **Approval of Minutes**

6.1 Approval of Minutes from the Board Meeting of June 23, 2017

On motion of Bm. McBain, seconded by Bm. Perkins and by unanimous vote, the Board approved the minutes of the June 23, 2017 Board Meeting.

7. **Written Communications:** None.

8. **Public Hearings:** None.

9. **Action Items:**

9.1 Consider Adoption of a Resolution Approving Change Order #26 with Motorola Systems, Inc.

Director McCarthy presented the Staff Report and advised that the increase in the contract with Motorola was to cover new consoles and equipment recently purchased for the System. The increase in cost, of the agreement was for a total of \$582,904 over five years. The System also needed an upgrade to its NICE Storage Center of 12 TB expansion and training of Staff. This would be at a cost of \$82,645.

On motion of Bm. Perkins, seconded by Bm. Andersen and by unanimous vote, the Board of Directors adopted Resolution No. 17-08, Authorizing the Chair to Execute, and the Executive Director to Implement, a Contract Change Order with Motorola Solutions, Inc. regarding the System Upgrade II and the Nice Logging System.

9.2 Consider Adoption of a Resolution for a Budget Change to the 2017–2018 EBRCSA Budget

Director McCarthy presented the Staff Report and advised that this item would ensure that the increased cost of the SUA II be included in future Authority Administrative Budgets through FY 2022; and the utilize \$82,654 of the budgeted \$200,000 NICE Logger Item.

On motion of Bm. Perkins, seconded by Bm. Andersen and by unanimous vote, the Board of Directors adopted Resolution No. 17-09 Adopting and Implementing Adjustments to Administrative Budget for Fiscal Year 2017/2018, for the increased cost of \$582,904 for the SUA II through August 2022, and a cost of \$82,645 for the Nice Logger Item and training.

9.3 Discussion of transition to Phase II, from Frequency Division Multiple Access (FDMA) to Time Division Multiple Access (TDMA)

Executive Director McCarthy presented the Staff Report and advised that this discussion item would allow the Executive Director to discuss transitioning the System radios to Time Division Multiple Access (TDMA). The TDMA would double the System's bandwidth, going from 22,000 to 44,000 users, and also allow the use of GPS on the radios. The cost of the TDMA upgrade to the Authority would be \$7,900,000, and would have to be sole-sourced as it was proprietary to Motorola. They were offering this as a lease type purchase, either five years or 7 years. The Authority was currently inventorying all System radios to let each Authority agency know what radios they had and what would be needed to upgrade those radios. Microwaves would also need to be upgraded to ethernet. They had been purchased in 2004 and installed in 2008-2009. The microwaves would be put out to bid. The gel batteries would also need to be replaced. It was the power supplies and inverters; and this would also be put out to bid. This item was to inform Boardmembers so they could discuss this with their agencies and ask if they were interested in GPS, were they noticing problems with their radios, did they support this transition? There could be cost increases for use of the System, as well as costs associated with new radios.

Bm. Anderson asked what if agencies already had TDMA compatible radios.

Director McCarthy stated if agencies were already TDMA compliant, there would be no impact to their agency radios.

Bm. Rodrigues asked if this item would go back to the Finance Committee.

Director McCarthy stated yes it would, to discuss the cost alternatives. The deadline to decide to go with TDMA or not, would be at the December 2, 2017 meeting.

Bm. Calabrigo stated the decision that would come before the Board at the December 2, 2017 Board meeting, was how to finance the \$7,900,000 cost to the Authority. They needed to look at the two leasing options. When the Finance Committee looked at it, it folds into the whole asset Capital Replacement conversation regarding costs, and other cost components that are such as microwave update and DC power, and project forward, lifespan and timing and see how that will affect the rates for the member agencies. The \$25/radio rated had not changed. It will need to; the question was how much.

Bm Roberts asked what was the life span of the radios.

Director McCarthy stated seven to 10 years.

Bm. Roberts asked if most of the radios had been in service at least five years. Did the Executive Director know if all agencies knew that they should put money away for new radios, due to their lifespan?

Director McCarthy stated the Authority had been telling agencies to purchase the newer radios.

Bm. Roberts asked if there was a list of agencies radios.

Director McCarthy stated they started running the inventory list yesterday. The Authority would get a better deal with a group purchase, that is why there were informing agencies now. This would be a two-year process to get the System upgraded. The TDMA would be covered by the new SUA agreement.

Bm. Stepper asked if there had been problems with communication during the recent Northern California fires.

Chair Ahern stated the System's radios worked, but if you needed something from Sonoma County, they had to have another person – "pathfinder" with them to communicate to other agencies. They were further behind.

10. Committee Updates:

10.1 Receive Informational Report on Recent Finance Committee Activities

Bm. Anderson stated the Committee had discussed the need to set a new rate, to cover the items just discussed. This was forcing the Authority's hand to look at upgrades.

10.2 Receive Informational Report on Recent Operations Committee Activities

Chair Ahern stated more Committee members were needed to attend the meetings to approve the minutes. They had discussed the purchase of new radios and TDMA.

11. Reports:

11.1 Update on Expansion of Alameda County East Cell to 12 Channels and Motorola Inter Sub-System Interface ISSI 8000

The ISSI 8000 had been installed and is working. Director McCarthy would be attending a meeting with BART next week.

11.2 Retirement of Vice Chair T. Anderson and future election at December 1, 2017, Board Meeting

Bm. Anderson stated he would be retiring, and this would be his last meeting. He encouraged Boardmembers to continue the Authority's work.

12. Board Comments:

No comments were made.

13. Next Action Steps:

Bm. Silva asked if the Director McCarthy would like time on the Contra Costa Mayors Conference meeting agenda to discuss the possible costs of radios and increases to fees. The Executive Director stated yes.

14. Adjournment: With no further business before the Board, the meeting was adjourned at 11:27 a.m., in honor of retiring Boardmember Tim Anderson.



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AGENDA ITEM 9.1

**AGENDA STATEMENT
BOARD OF DIRECTORS MEETING
MEETING DATE: December 1, 2017**

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

FROM: Sheriff G. Ahern, Board Chair
East Bay Regional Communications System Authority

SUBJECT: Transition to Phase II from Frequency Division Multiple Access (FDMA) to Time Division Multiple Access (TDMA).

RECOMMENDATIONS:

Adopt a Resolution to approve Change order #27 with Motorola Solutions, Inc. to transition to Phase II which will change the East Bay Regional Communications System Authority (EBRCSA) from Frequency Division Multiple Access (FDMA) to Time Division Multiple Access (TDMA). Authorize the Chair to sign the contract and such related documents as may be necessary and the Executive Director to implement the Resolution.

SUMMARY/DISCUSSION:

The design of the EBRCSA network/system was verified through an independent engineering contractor, AECOM, which in December 2009, submitted an extensive review of the system design based on what was known at the time. Several variables were unknown, as they did not have sufficient data from some agencies that were unable, or unwilling, to commit to joining EBRCSA initially when the design was being drafted. The report used the Association of Public Safety Communications Officials (APCO) standard known as Project 25 or commonly referred to as P25. The EBRCSA system serves approximately 18,500 users in Alameda and Contra Costa Counties and, if necessary, 2,500 mutual aid responders from adjoining counties.

The Federal government's guidelines attempt to provide direction by anticipating the changes in technology and works to maintain adequate FCC licenses for the channels utilized by all agencies with P25 radios. The changes in technology, available equipment, and growth in Public Safety creates a constantly changing environment in Public Safety Radio. The AECOM report published in 2009, anticipated EBRCSA implementing a system which would have a Phase I and Phase II. The initial Phase I consisted of a communications system which would be Frequency Division Multiple Access (FDMA). FDMA allows one radio to operate on a single 12.5 MHz. FDMA has served EBRCSA well, however, the system is monitored 24/7/365 and we are now having what we refer to as "busies" on the system. This is where a Public Safety Person must be put into queue to transmit on the system. The user does not even sense they are in queue because this is often a millisecond wait. The network monitoring is now indicating loads that AECOM had assumed would have been achieved once EBRCSA had migrated to TDMA.

We are seeing an increase in these reported busies. We recently had a fire in the City of Oakland at Edwards Ave. and HWY 580 and although the fire was in Oakland, the system had busies at the Doolan Site in Livermore. The reason for this is that although the incident was in Oakland, a Public Safety Person, possibly at Santa Rita with their radio tuned to the Oakland Channel, brought the Doolan site into the incident. In about an hour we had 100 busies on the Doolan site. The users did not notice any degradation to their communications, however, this is an example of why we need to migrate to Phase II Time Division Multiple Access (TDMA). TDMA allows 2 (two) Public Safety Personnel to operate on the 12.5 MHz at the same time, thus doubling our bandwidth.

In 2009, AECOM assumed that by the time subscribers reached their current number, the network would have already migrated to Phase II TDMA and would have sufficient spectrum available from the doubled network capacity offered by TDMA over FDMA. The credit for enabling the FDMA network to outperform the initial plan can be attributed to the Radio Department for each County and the Technical Advisory Committee (TAC) for the effective job of establishing subscriber radio programming templates that optimize frequency and channel usage. In addition, the credit must also include EBRCSA's Board of Directors and Operations and Finance Committees that have carefully directed the investment of available funds to the areas that have been extended and optimized the FDMA network.

Since turning on the EBRCSA system in 2013, EBRCSA's governing body, management and technology partners have successfully stayed ahead of obstacles that could have challenged end-user satisfaction, perceptions, and safety. The constant maintenance, upgrades, expansions of the infrastructure and the timing of end users programming parameters have successfully kept the network performance and user satisfaction high. However, at this time, there is evidence that AECOM's recommended TDMA upgrade should be implemented immediately.

Motorola has prepared a system upgrade proposal for the TDMA upgrade. The timing of the upgrade is important as the total project will take approximately 18 (eighteen) months to complete.

Motorola has provided the System Upgrade Pricing Summary:

5.1 EQUIPMENT AND SERVICES PRICING

TDMA Upgrade:	\$13,316,404
- Equipment	
- Software	
- Licenses	
TDMA Discount	\$2,663,281
TDMA System Integration Services	\$1,185,191
TDMA Upgrade Total	\$11,838,314
Special Discount:	
DDM Promo for TDMA purchase by 12/15/17	\$3,938,314
Project Total (after Special Discount)	\$7,900,000
Estimated 9.25% Tax on Equipment (HW Only)	\$8,363

Note TDMA pricing valid through 2017, increases to \$9.5M if purchased in 2018, by July 31st.

Motorola has noted that the TDMA pricing is valid through 2017, and will increase to \$9.5M if purchased by July 31, 2018.

FISCAL IMPACT:

Motorola has offered two lease options to assist with the financing of the upgrades.

The first is a 5-year lease at 1.71%, with a lease rate of 0.210744 with the lease payment of \$1,664,897.21. The first payment will be due one year after the contract is executed.

The second is a 7-year lease at 1.85%, with a lease rate of 0.153622 with a lease payment of \$1,213,616.18. The first payment will be due one year after the contract is executed.

The current rates charged by EBRCSA will have to increase to cover the cost of TDMA. The recommendation is that increased user cost begin in July 2018 and will be introduced with the FY 2017/2018 budget.

COMMITTEE RECOMENDATIONS:

The Operations Committee has reviewed this project and recommended that the Executive Director present this to the full Board of Directors with a recommendation by the Operations Committee to proceed with the Change Order #27 with Motorola Solutions, Inc. to transition to Phase II TDMA.

The Finance Committee did not have quorum, no recommendation could be made.

RECOMMENDED ACTION:

It is recommended that the Board of Directors of the East Bay Regional Communications System Authority does hereby approve Change Order #27 with Motorola Solution, Inc. transition to Phase II TDMA 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.



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AGENDA ITEM 9.2

**AGENDA STATEMENT
BOARD OF DIRECTORS MEETING
MEETING DATE: December 1, 2017**

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

FROM: Sheriff G. Ahern, Board Chair
East Bay Regional Communications System Authority

SUBJECT: Determine appropriate Rate Increases to the East Bay Regional Communication System Authority for Capital Improvements to the Master Site and Operating System.

RECOMMENDATIONS:

Adopt a Resolution to approve Rate Increases to the Operating Charge which is currently \$25.00 per month/per radio. Authorize the Chair to sign a resolution outlining the increases, related documents as may be necessary, and the Executive Director to implement the Resolution.

SUMMARY/DISCUSSION:

EBRCSA began providing service to subscribers in 2012 and has been adding additional subscribers and infrastructure to maintain the system, keep the technology current, and be prepared for the future whether it be growth or changing technology. EBRCSA has to make three changes to its capital infrastructure over the next 2 - 4 years. The first is the transition to Phase II TDMA and Dynamic Dual Mode Upgrade, the second is to upgrade the Microwave Backhaul Upgrade system to Ethernet, and the third replacement of the DC Power System Upgrade of the emergency power supply. The three upgrades are listed in the order of importance and necessity.

The cost of the TDMA is \$7,900,000, the cost of the Microwave/Ethernet upgrade is \$8,900,000 and the DC Power Upgrade is \$2,500,000. The costs provided all have conditions associated with when we agree to purchase the equipment and have it installed. The Microwave and DC Power Pricing is valid through March 2018. The TDMA pricing is valid through December 2017. The TDMA will be sole sourced as we do not have anyone who can perform this work as the engineering is proprietary and only Motorola can provide the equipment and services to tie it into our network. The Microwave must be competitively bid and the DC Power Upgrade should be done by the respective radio shop for each county. The work would be determined by the condition and age of the equipment. We do not want to replace the DC Power at every site at once and then have to do that again when the equipment reached its end of life. We prefer to establish a replacement schedule and include the cost in our annual maintenance budget.

The original cost per radio was set to maintain the system and as available we used various grants to expand the system. The upgrades which we are going to need to perform are not grant eligible and there is not enough available grant money to cover these expenses.

We have maintained the operating cost since the system began operation in 2012 and this will be the first time we have increased the cost.

The recommended increase for the first year is \$8.00 per radio/per month. The next four years would then increase \$3.00 per radio/per month. The cost increases are based on what we know will be the approximate cost of these three upgrades. The goal is to develop a plan which will provide a list of what needs replacement and when to that we can plan our increases and ensure that the system is properly maintained and the technology refreshed as necessary.

FISCAL IMPACT:

The Finance Committee has prepared a spread sheet outlining the costs over several years (see attachment). We must ensure that we have adequate funding to complete the projects as necessary. The cost to build the original system was \$72,000,000 and we have spent several millions of dollars in upgrades and consoles over the years since the system was turned on. We want to continue to maintain and refresh the system rather than replace the system. The rate increase of \$8.00 per month will not begin until July 1, 2018.

COMMITTEE RECOMMENDATIONS:

The Finance Committee has reviewed this project and made the recommendation of how much to increase the cost over the next five years. The Finance Committee did not have a quorum, however, we felt it was necessary to present this to the full Board of Directors.

RECOMMENDED ACTION:

It is recommended that the Board of Directors of the East Bay Regional Communications System Authority approve the recommendation concerning increase to the rate per radio/per month and determine the increase based on information provided. If the Board concurs and agrees with the

rate increase authorize its Chair to execute the change and authorize its Executive Director to take such further action as may be necessary and appropriate to implement such rate increase.

EBRCSA FINANCING OPTIONS (assume 17,500 Units)												
Phase II TDMA Upgrade												
	<u>Principal</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>2024-25</u>				
TDMA (5 Yrs)	7,900,000	1,664,879	1,664,879	1,664,879	1,664,879	1,664,879					8,324,395	
	mo. per unit	7.93	7.93	7.93	7.93	7.93						
TDMA (7 Yrs)	7,900,000	1,213,616	1,213,616	1,213,616	1,213,616	1,213,616	1,213,616	1,213,616			8,495,312	170,917 difference
	mo. per unit	5.78	5.78	5.78	5.78	5.78	5.78	5.78				
Phase II TDMA Upgrade + Microwave Upgrade + DC Power (Battery Replacement) + Ongoing Cap Replacement												
	<u>Principal</u>	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>2024-25</u>	<u>2025-26</u>	<u>2026-27</u>	<u>2027-28</u>	<u>2028-29</u>
TDMA	7,900,000	1,664,879	1,664,879	1,664,879	1,664,879	1,664,879						
	mo. per unit	7.93	7.93	7.93	7.93	7.93						
MW Upgrade	8,600,000			1,812,400	1,812,400	1,812,400	1,812,400	1,812,400				
	mo. per unit			8.63	8.63	8.63	8.63	8.63				
DC Power/ Battery	2,500,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000
	mo. per unit	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19
Ongoing Cap Replacement							2,000,000	2,000,000	4,000,000	4,000,000	4,000,000	4,000,000
	mo. per unit						9.52	9.52	19.05	19.05	19.05	19.05
Additional Per Unit		9.12	9.12	17.75	17.75	17.75	19.34	19.34	20.24	20.24	20.24	20.24
Overall Rate		34.12	34.12	42.75	42.75	42.75	44.34	44.34	45.24	45.24	45.24	45.24
Assumed Rate		33.00	36.00	39.00	42.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00
	Difference	-1.12	1.88	-3.75	-0.75	2.25	0.66	0.66	-0.24	-0.24	-0.24	-0.24
	@ 17,500 units	-19,573	32,927	-65,607	-13,107	39,393	11,467	11,467	-4,167	-4,167	-4,167	-4,167

Assumptions													
	Phase II TDMA Upgrade financed over 5 years												
	Microwave Upgrade financed over 5 years												
	Battery Replacement assumes replacement of 10% of batteries per year - ongoing.												
	General Capital Replacement assumes \$80 million in capital assets (pending Cap Replacement Study to be done in 2018)												



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AGENDA ITEM NO. 9.3

**AGENDA STATEMENT
BOARD OF DIRECTORS MEETING
MEETING DATE: December 1, 2017**

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

FROM: Sheriff G. Ahern, Board Chair
East Bay Regional Communications System Authority

SUBJECT: Approval of 2018 Meeting Schedule

RECOMMENDATIONS:

Approve the 2018 Meeting Schedule

SUMMARY/DISCUSSION:

The Board of Directors will review the 2018 meeting schedule for the Board of Directors, Finance Committee, Operations Committee, and Technical Advisory Committee Meetings.

RECOMMENDED ACTION:

It is recommended that the Board of Directors approve the Draft 2018 Meeting Schedule.



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

2018 EBRCSA Board and Committee Meeting Schedule

Board of Directors

February 23	10:00-12:00	Assembly Room, Alameda County OES
May 18	10:00-12:00	Assembly Room, Alameda County OES
September 21	10:00-12:00	Assembly Room, Alameda County OES
December 7	10:00-12:00	Assembly Room, Alameda County OES

Committees:

February 2

Operations Committee	9:30-10:30	Room 1013
Finance Committee	11:00-12:00	Room 1013

April 27

Operations Committee	9:30-10:30	Room 1013
Finance Committee	11:00-12:00	Room 1013

August 31

Operations Committee	9:30-10:30	Room 1013
Finance Committee	11:00-12:00	Room 1013

November 16

Operations Committee	9:30-10:30	Room 1013
Finance Committee	11:00-12:00	Room 1013

TAC Meetings: First Thursday of the Month 9:30-11:30 in Room 1013 (if available) or 40% side

January 4

February 1

March 1

April 5

May 3

June 7

July 5

August 2

September 13 (Note: Alternate Date due to Urban Shield)

October 4

November 1

December 6

Created November 13, 2017



**East Bay Regional
Communications
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AGENDA ITEM NO. 9.4

**AGENDA STATEMENT
BOARD OF DIRECTORS MEETING
MEETING DATE: December 1, 2017**

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

FROM: Sheriff G. Ahern, Board Chair
East Bay Regional Communications System Authority

SUBJECT: Annual Election of a Board Chair and Vice Chair as Required by the JPA Agreement and Bylaws

RECOMMENDATIONS:

Elect a Board Chair and Vice Chair, as required by the JPA Agreement and Bylaws.

SUMMARY/DISCUSSION:

The JPA Agreement and Bylaws for the Authority state that the Board Presiding officers shall be a Chair and Vice-Chair, elected annually from among its membership, to preside at meetings. In the absence of the Chair, the Board shall be presided over by the Vice-Chair. The positions of Chair and Vice-Chair will be filled by a representative from each County. If the Chair is from Alameda County, the Vice-Chair will be from Contra Costa County. If the Chair is from Contra Costa County, the Vice-Chair will be from Alameda County.

The Board of Directors will receive nominations from sitting members of the Board to fill the positions of Chair and Vice-Chair. The Board will vote on the nominations for Chair and Vice-Chair following Roberts's Rules of Order. The newly elected Chair and Vice Chair will assume their positions at the conclusion of the meeting, and will continue in the positions for one year.

RECOMMENDED ACTION:

It is recommended that the Board of Directors elect a Board Chair and Vice Chair as required by the JPA Agreement and Bylaws, to serve a term of one year.