



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

OPERATIONS COMMITTEE MEETING

NOTICE OF REGULAR MEETING

DATE: September 13, 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: 9:41 a.m.

Boardmembers Present:

G. Ahern, Sheriff, Alameda County Sheriff's Office
C. Nice, Assistant Sheriff, Alameda County Sheriff's Office
C. Simmons, Assistant Sheriff, Contra Costa County Sheriff's Office
N. Luby, Deputy Chief, Oakland Fire Department
J. Tudor, Chief, San Leandro Police Department

Staff:

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

Public:

G. Poole, Motorola

Chair Ahern stated that there was not a quorum at the meeting, therefore items would be informational only.

2. Public Comments (Meeting Open to the Public): None.

3. Approval of Minutes of the April 5, 2019, Operations Committee Meeting

Will be moved forward to the next meeting as there was not a quorum at the meeting.

4. Renewal of Agreement with Contra Costa County Department of Information Technology for Two Years

Director McCarthy presented the Staff Report and advised this agreement with Contra Costa County Department of Technology was for a not-to-exceed amount of \$1,820,000, an increase of \$460,000 over the next two years. This item would be taken to the Finance Committee for consideration.

5. Renewal of Agreement with CSI for Engineering Consulting Services for Three Years

Director McCarthy presented the Staff Report and advised that this was a three-year agreement with CSI for engineering consulting services. This agreement had been delayed in being brought forward due to the death of one of its owners. The cost would remain \$215 an hour for Fiscal Year 2019-20, increase to \$220 an hour for Fiscal Year 2020-21, and \$225 an hour for Fiscal Year 2021-22, with a not-to-exceed amount of \$200,000 for each of the Fiscal Years. This agreement would not increase any EBRCSA user fees.

The Committee members in attendance recommended this agreement move forward for consideration by the full Board.

6. Review and Make Recommendation on Capital Replacement Project Proposals

Director McCarthy presented the Staff Report and advised that EBRCSA's full Board and Finance Committee had requested a 10-Year Capital Replacement Plan for the System. He received two proposals: one for \$600,000 from IdeasInspired that would go out for bids for services, and one from CSI for \$146,000, that would have the work completed in-house. He was asking how the Committee would like to move forward with selection of the vendor.

Chair Ahern suggested they have a panel of three, the Executive Director, a Motorola representative, and another consultant.

Those Committee members in attendance agreed to have the Chair's suggestion be given to the Finance Committee for consideration.

7. Recommend a Member of the Operations Committee to Assist in Evaluation of Executive Director

Director McCarthy presented the Staff Report and advised he had not had an evaluation since he started with EBRCSA five years ago, and asked that a process be decided to complete one.

Chair Ahern asked that the Executive Director send him a list of the members of the Operations Committee, he would send out an evaluation form to each asking that they return it to him, and he would summarize them. He also suggested the Finance Committee do the same.

8. Discussion of EBRCSA Microwave Upgrade and Transition to Multiprotocol Label Switching

Director McCarthy presented the Staff report and advised this item was an information item to discuss next steps for replacement of the EBRCSA microwave system which connects all dispatch centers to the EBRCSA Master Site, Multiprotocol Label Switching (MPLS) and ethernet. Motorola had provided estimates of \$5.8 million, \$2.5 million and \$8.4 million. Aviat had partnered with Motorola on those quotes, but he has reached out to Aviat to get a quote directly from them as they needed at least one other quote.

Chair Ahern asked why they needed to do the replacement.

Director McCarthy stated the microwave system had reached its end of life. The System was upgraded every two years and as technology has evolved, February 2020 would be the last upgrade that could be completed under the Authority's 10-Year System Update Agreement (SUA) with Motorola because then, equipment would need to be ethernet-based and using MPLS transmissions. The System's newest microwave was 13 years old. There was a need for replacement. Systems were being ethernet built. It would be a 24- to 27-month project to do this transition and would affect all System sites. He wanted to get more information before he made a recommendation. He needed to speak to both Aviat and Motorola. Everything that was being added in had to be compatible with Motorola.. Aviat would have to be compatible with Motorola system. MPLS would have to be compatible with Motorola. Every two years, the upgrades are done with the SUA. The SUA keeps the equipment new. The issue is their engineering and future design needed to tie in with the microwave. You could not put something in that does not work with the next Motorola upgrade. He was introducing it to the Committees to take it to the full Board in December.

Chair Ahern asked was there money in the budget for this. Would it take 23-27 months to get fully implemented?

Director McCarthy stated there was not but Motorola had provided lease options for the equipment.

Bm. Luby asked once the system was installed, what was the life span.

Director McCarthy stated he had asked for an SUA to be included with the microwave equipment. It would be approximately \$5 million for the SUA over the 10 years. It would be \$100-\$120 million to replace this. Technology should be refreshed; they could set the SUA on the microwave to be the odd year, and the even year you do the core SUA, so every year there would be an upgrade and keep both the microwave, the MPLS, the ethernet refreshed and keep the core refreshed. That would be part of the 10-year business plan so they would know what to charge over the next years to maintain the current mandatory reserves.

Bm. Luby asked if there was any thought to EBRCSA purchasing all equipment from member agencies.

Director McCarthy stated once equipment had been upgraded, not at the Authority's cost, he would think about transferring it over and including it in the SUA. He would have to do a cost analysis of all equipment. He would bring back more information to explain the technical side; he might ask Motorola to do a presentation at the next Committee meetings.

9. Discussion of EBRCSA Interference Analysis 5G

Director McCarthy stated 5G is being installed, and he had consulted with CSI to ask for more information on the effects of 5G to the System. The City of Dublin was currently installing 5G and these new sites were closer together and produced exposure to individuals. It was a down tilt antenna. CSI stated these types of antennas would cause interference to hand-held radios on the System. If there was a pole down and there is a 5G antenna on it and you are working on it, you do not know how radiation you are being exposed to. The City of Dublin will be asking for every antenna be labeled and have a turnoff switch to avoid the radiation, when working around a pole.

Bm. Luby asked if each provider was putting up their own 5G antennas on these sites.

Director McCarthy stated each provider put up their own antennas and had to be trusted that the power levels remained at safe levels. His engineers and experts were telling him that there is going to be interference with the System. This would be an ongoing topic that the Director McCarthy would be monitoring.

10. Agenda Items for Next Meeting

Director McCarthy stated he would be asking about the ability to revise the Operations Committee start time to 10:00 a.m.

Bm. Luby asked about discussing a Bi Direction Amplifier (BDA) database to ensure non-interference of the System.

Director McCarthy stated there would be an update on Walton Lane in Antioch.

11. Adjournment:

With no further business coming before the Operations Committee, the meeting was adjourned at 10:32 a.m.



Caroline P. Soto
Authority Secretary