



March 27, 2024
 Agenda Item B-1

Governing Board Communication

TO: MERA Governing Board
FROM: Dave Jeffries, Deputy Executive Officer for the Next Gen System
SUBJECT: Report # 118 on the Next Gen System (Accept Report)

Recommended Action: For information or discussion only

Background:

- 1) Recent Project Meetings and Conference Calls
 - a. MERA Executive Staff Calls: Bi-Weekly
 - b. Motorola / Next Gen Staff Calls: Weekly
 - c. Construction Calls: Weekly
 - d. Fleetmapping Calls: Weekly
 - e. Hexagon/Mach Alert Calls: Weekly
 - f. IP Networking Calls: Weekly

2) Project Schedule: The following is based on the draft schedule dated 3/19/2024.

Description	04/28/22 Baseline	01/22/24 Update	03/19/24 Update
Site Work and Tower Turnover – Complete	09/25/23	02/09/24	03/04/24
P25 Installation – Complete	09/08/23	04/04/24	04/26/24
Microwave Install, Optimize and Test – Complete	10/13/23	04/08/24	04/29/24
Perform System Functional Testing – Complete	12/11/23	06/14/24	07/09/24
Perform CATP (Coverage Testing) – Complete	03/14/24	07/03/24	08/06/24
Dispatch Site Installations – Complete	04/16/24	06/26/24	08/08/24
Field User Cutover – Complete	05/01/24	10/03/24	10/03/24
Final System Acceptance	10/08/24	06/25/25	06/25/24

- 3) Bid Packages:
 - a. CONSTRUCTION
 - i. Bid Package #1, #1A and #2 are complete.
 - ii. Bid Package #3 and #4 are substantially complete and the contractor is working through punch list items as we negotiate final change orders and contract closeouts.
 - b. MOTOROLA INSTALLATIONS:
 - i. Network Equipment and Antennas: Scheduled to complete by 04/05/24.
 - ii. Microwave: Scheduled for completion and path alignments by 04/06/24.

iii. Next step: Link the sites together and conduct Link Testing.

4) Site Overview: (Final Presentation of this graphic)

As of: 03/18/2024	Pre-Construction				Construction		Motorola				
	Pre-Bid Activity	Bid Packages	Bids Out to Bid	Bids Awarded	Start	Complete	Staging	Shelters	Towers	Microwave	Accept
Site											
EOF		#1									
Civic Center		#1									
Big Rock		#2									
Mt. Tam.		#4									
Mt. Barnabe		#1									
Point Reyes		#4									
Dollar Hill		#1A									
San Pedro		#2									
Tiburon		#1A									
Sonoma Mt.		#2									
Stewarts Pt.		#1A									
Tomales		#3									
Coyote Peak		#4									
Skyview Terr.		#3									
Muir Beach		#4									
Wolfback Rdg.		#3									
OTA		#4									
Mill Valley		#3									

Completed
 In progress

5) Key Project Summary Details:

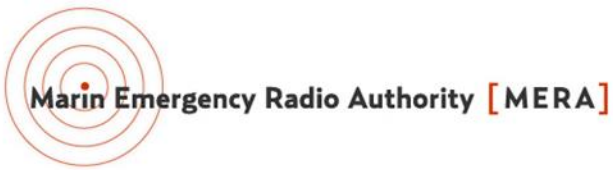
- a. Code Plugs
 - i. Motorola developing Code Plugs for NG radios.
- b. Connectivity (Dispatch, FSA, Wi-Fi)
 - i. Pilot program: EOF, NPD, FFX and SRF connected. Network testing completed.
- c. Connectivity Project: In discussion with Fire agencies on FSA connectivity. FSA will work on an RF link as it does today until IP connections are implemented. Working on wi-fi programming alternatives.
- d. End User Training – Training Committee meeting 03/22/24 with all the trainers on next steps.

- e. Technician Training: 3 classes completed, 2 classes in May and 2 classes in June. Attendees are the DPW Communications Division staff.
- f. FCC Licenses:
 - i. FCC Microwave Construction Licenses are set to expire 04/30/24.
 - ii. FCC LMR Construction Licenses were set to expire 02/29/24. An extension request to 04/30/24 was returned with comments with 60 days to respond.
- g. Cutover Plan – A draft Cutover Plan is currently under initial review for comments.
- h. A Vehicle Installation Plan is also being drafted to coordinate that process and support inventory controls.

6) Project Summary Table:

<p style="text-align: center;"><u>Tasks Completed</u></p> <ol style="list-style-type: none"> 1. Construction, except for punchlist items. 2. Dispatch and End User Train the Trainer. 3. Presentation to the Fairfax Disaster Preparedness Committee on 03/12/24 on the MERA project. 	<p style="text-align: center;"><u>Upcoming Tasks</u></p> <ol style="list-style-type: none"> 1. Logging Recorder Plan development 2. Completing and testing Code plugs 3. Developing Training materials 4. Connect M/W and bring up RF sites 5. Remaining vehicle installations and mobile radio programming.
<p style="text-align: center;"><u>Tasks in Progress</u></p> <ol style="list-style-type: none"> 1. Receive Radio Order. Several pallets of radios received so far. 2. Develop Cutover Plan. 3. Fire Station Alerting – Installs completing 04/03/2024. 4. Microwave and LMR Installations completing 04/06/24. 5. Complete Construction Punchlists 6. Jail DAS System 	<p style="text-align: center;"><u>Next Six Months</u></p> <ol style="list-style-type: none"> 1. Complete End User training program 2. Prepare for Cutover 3. Portable radio programming.

7) New Construction Change Orders for Bid Package #3 and #4:



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Currently reviewing final change orders for BP-3 , but not yet finalized. BP#4 Change Orders review pending.

8) Construction Support Vendors:

As part of monitoring the construction project and MERA's ability to self-permit and inspect work, MERA hired a variety of firms to perform that work. There are no additional closures at this point, but we expect final invoices from some of these vendors on or about 04/01/24.

9) Questions and issues regarding the Next Gen System should be referred to Deputy Executive Officer for the Next Gen System Dave Jeffries.