



December 13, 2023

Governing Board Communication

Agenda Item B-1

**TO: MERA Governing Board**  
**FROM: Dave Jeffries, Deputy Executive Officer for the Next Gen System**  
**SUBJECT: Report # 115 on the Next Gen System (Accept Report)**

Recommended Action: For information or discussion only

Background:

- 1) Recent Project Meetings and Conference Calls (Updated)
  - a. MERA Executive Staff Calls: Bi-Weekly
  - b. Construction / Motorola / Next Gen Staff Calls: Weekly
- 2) Project Schedule: The following is based on the draft schedule dated 12/05/2023.

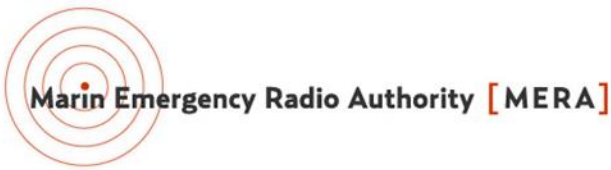
Description	04/28/22 Baseline	09/14/23 Update	12/05/23 Update
Site Work and Tower Turnover	09/25/2023	12/29/2023	01/10/24
P25 Installation – Complete	09/08/2023	05/14/2024	03/22/24
Microwave Install, Optimize and Test	10/13/2023	05/09/2024	04/08/24
Perform System Functional Testing	12/11/2023	08/09/2024	08/02/24
Perform CATP (Coverage Testing)	03/14/2024	09/25/2024	09/23/24
Dispatch Site Installations – Complete	04/16/2024	06/06/2024	06/25/24
Field User Cutover – Complete	05/01/2024	10/10/2024	10/08/24
Final System Acceptance	10/08/2024	06/30/2025	06/30/25

- 3) Bid Packages:
  - a. BP-1/1A: Construction and MSI LMR Installations complete. MW in progress at EOF, Civic Center, Barnabe, Stewart, and Dollar. Tiburon TBD.
  - b. BP-2: Construction and MSI LMR Installations complete (Except San Pedro).
    - i. MW in progress at Big Rock and San Pedro, Sonoma TBD.
    - ii. San Pedro: Optimization 12/07-08/23.
  - c. BP-3: Construction
    - i. Skyview: Beneficial Occupancy to MSI issued.
      1. Fence pending.
    - ii. Mill Valley: (Anticipated completion: Early January)
      1. Fence and Shelter pending. Site work, electrical, generator set and monopole complete. PG&E complete.
    - iii. Wolfback: Beneficial Occupancy to MSI issued.
    - iv. Tomales: Beneficial Occupancy to MSI issued.

1. Fence pending.
- d. BP-4: Construction –
  - i. Coyote Peak: (Anticipated completion: Mid-December)
    1. Fence and Shelter work pending. PG&E work nearing completion.
  - ii. OTA: (Anticipated completion: Late December)
    1. Shelter work completing. Has an existing tower. Exterior work and electrical pending. Tower reinforcement in progress. Working with PG&E on connection.
  - iii. Muir Beach: (Anticipated completion: Mid-December)
    1. Fence and Shelter pending. PG&E has completed their construction project.
    2. Shelter delivery issues.
  - iv. Pt Reyes: Beneficial Occupancy to MSI issued.
  - v. Mt Tamalpais: (Anticipated completion: Late-December)
    1. Interior work near completion. Tower/Stub tower work in progress.

4) Site Overview:

As of: 12/02/2023	Pre-Construction				Construction		Motorola				
	Pre-Bid Activity	Bid Packages	Bids Out to Bid	Bids Awarded	Start	Complete	Staging	Shelters	Towers	Microwave	Accept
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									



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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 and NPD connected, working with AT&T on 2 remaining test sites and adding Fairfax Dispatch.
- c. 4 BP 3 and 4 sites turned over to MSI for installations.
- d. Microwave Network – Installations in progress.
- e. End User Training – Training Committee meets 11/16/23.
- f. MERA received a Thank You from KWMR and the West Marin Disaster Radio folks for our assistance in getting them a co-located repeater at our Stewart Point site to support their disaster communications. Once Muir Beach is completed, we will be working with them on another repeater there as well.

6) Project Summary Table:

<b><u>Tasks Completed</u></b>	<b><u>Upcoming Tasks</u></b>
<ol style="list-style-type: none"> <li>1. Motorola installations at BP- 2 sites</li> <li>2. Generator Air Quality permits</li> <li>3. Four BP3 and 4 sites turned over to MSI.</li> </ol>	<ol style="list-style-type: none"> <li>1. Fire Station Alerting – Final Installs</li> <li>2. Logging Recorder Plan development</li> <li>3. Cutover Plan development</li> <li>4. Completing and testing Code plugs</li> <li>5. Developing Training materials</li> </ol>
<b><u>Tasks in Progress</u></b>	<b><u>Next Six Months</u></b>
<ol style="list-style-type: none"> <li>1. Training Committee Review of Motorola materials</li> <li>2. Construction of BP-3 and BP-4 sites</li> <li>3. Coordinate with new Fire Dispatch Center</li> <li>4. Fire Station Alerting – Cold Install in progress.</li> <li>5. Microwave Installations</li> <li>6. Complete Construction</li> </ol>	<ol style="list-style-type: none"> <li>1. Complete End User training plan</li> <li>2. Connect M/W and bring up RF sites</li> <li>3. Receive Radio Order</li> <li>4. Complete End User Training Program</li> </ol>

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

No new Change Orders were presented by Fidato since your last meeting. We do anticipate additional change orders being addressed at your January Governing Board meeting. We have been meeting with Fidato and currently expect that while some of the BP-3 contingency has and will be used, we will not use all of it. As for BP-4, we anticipate coming in under the original contract amount and not needing any of the contingency funds.

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. As construction nears its end, we are reviewing each contract and can safely close two of those contracts at this time. We anticipate releasing additional funds at the January Governing Board meeting.

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