

Governing Board Communication

June 28, 2023 Agenda Item B-1

TO: MERA Governing Board

FROM: Dave Jeffries, Deputy Executive Officer for the Next Gen System

SUBJECT: Report # 111 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
- Project Schedule: The following is based on the schedule received 05/02/2023. Changes highlighted in green are shortened (improved) schedule dates. N/C - No Change. Project schedule currently under joint MSI/MERA review.

Description	04/28/22 Baseline	03/09/23 Update	05/02/23 Update
AECOM Site Work and Tower Turnover – Complete	09/25/2023	01/30/2024	N/C
P25 Installation – Complete	09/08/2023	02/14/2024	12/05/2023
Microwave Install, Optimize and Test – Complete	10/13/2023	02/26/2024	N/C
Perform System Functional Testing – Complete	12/11/2023	04/23/2024	N/C
Perform CATP (Coverage Testing) – Complete	03/14/2024	07/25/2024	N/C
Dispatch Site Installations – Complete	04/16/2024	08/27/2024	N/C
Field User Cutover – Complete	05/01/2024	10/12/2024	09/12/2024
Final System Acceptance	10/08/2024	02/24/2025	N/C

3) Bid Packages:

- a. BP-1: Construction complete. Motorola Installations complete. Microwave will be installed later.
- b. BP-1A: Construction complete, Motorola Installations complete. Microwave to be installed later.
- c. BP-2: Construction complete.
 - i. Sonoma Mountain: Pending Microwave.
 - ii. San Pedro: Optimization this month. Pending Microwave.
 - iii. Big Rock: Optimization this month. Pending Microwave.
- d. BP-3: Construction -



- i. Skyview: Site pads complete and much of the power trench. Monopole installation this month. Shelter and Generator pending.
- ii. Mill Valley: Trenching and pads complete, new power pole complete. Monopole this month. Shelter and Generator pending.
- iii. Wolfback: Interior work in progress.
- iv. Tomales: To start in July, delay due to Biologic survey.
- e. BP-4: Construction
 - i. Coyote Peak: Trenching and powerline in progress. Site work in progress.
 - ii. OTA: Shelter work started, exterior work in July.
 - iii. Muir Beach: Footings, pads, conduit and grounding finishing with storm drain work.
 - iv. Pt Reyes: Site visit completed. To start mid-July. Also FAA equipment move and extended NPS permit pending.
 - v. Mt Tamalpais: Interior work this month, exterior work and tower work in July.

4) Site Overview:

As of: 06/13/2023	Pre-Construction			Const	ruction	Motorola				
Site	Pre-Bid Activity	Bid Packages	Bids Out to Bid	Bids Awarded	Start	Complete	Staging	Shelters	Towers	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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ΟΤΑ	#4						
Mill Valley	#3						
	Comple	eted			In pr	ogres	S

- 5) Key Project Summary Details:
 - a. Code Plugs

i. Motorola developing Code Plug for Mobiles (Gen I plugs) and all Next Gen needs.

- ii. Working on System Key sharing with local systems.
- b. Connectivity (Dispatch, FSA, Wi-Fi)
 - i. Agreement with Marin IT completed. Test site project initiating.
- c. Microwave Network When we near completion of construction, Nokia will send
- a team to install the entire microwave network to tie all the sites together.
- d. End User Training Training Committee met 05/04/23. Dispatch subcommittee met 05/03/23. Reviewing MSI materials. Looking at MSI Train the Trainer in 01/2024.
- e. Other Items:

i. West Marin Disaster Council – MERA is working with WMDC/MCFD and site owners to obtain permission for WMDC to collocate emergency radio sites with MERA.

ii. Working with Muir Woods regarding Siren control box placement.

6) Project Summary Table:

Tasks Completed	Upcoming Tasks
1. Motorola installations at BP-1 and 1A	1. Complete construction at all sites
2. Fire Station Alerting Acceptance Test	2. Fire Station Alerting installations
3. Radio Alias Schemes and Code Plugs	3. Connectivity Plan tests
4. Construction of all BP-1,1A and sites	4. Logging Recorder Plan development
5. Draft Subscriber Radio Order	5. Cutover Plan development
6. Neighborhood Notifications to Muir	
Beach and Skyview neighborhoods.	
7. Connectivity Agreement approved.	
Test sites being set up.	
Tasks in Progress	Next Six Months
1. Motorola installations at BP- 2 sites	1. Microwave installations
	2. Complete construction

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2. Training Committee Review of
Motorola materials
3. Pt Reyes Site – FAA Pole
deconfliction
4. Test site at EOF for radio testing
5. Project Schedule under joint review
6. Generator Air Quality permits
7. Finalize Subscriber orders
8. Coordinate with new Fire Dispatch
Center

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