

Governing Board Communication

Agenda Item B-1

TO: MERA Governing Board

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

SUBJECT: Report # 112 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 schedule received 05/02/2023. 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 TBD. Pending Microwave.
 - iii. Big Rock: Pending Microwave.
- d. BP-3: Construction -



- i. Skyview: Monopole week of 07/31. Shelter and Generator pending. PG&E work to be scheduled.
- ii. Mill Valley: Monopole week of 07/31. Shelter and Generator pending. PG&E work week of 07/31.
- iii. Wolfback: Shelter work in progress, Civil work week of 07/31 with underground electrical. PG&E meter work on 07/18.
- iv. Tomales: Biological delay lifted. PG&E meter work on 07/24. Earthwork in progress. Conduit and grounding 07/18-07/31. Pads and foundations 08/01-08/08. Monopole week of 07/31.

e. BP-4: Construction -

- i. Coyote Peak: Final road work in progress. Pads and foundations completing as well as electrical. Monopole week of 07/31.
- ii. OTA: Shelter work starts 07/31. Exterior work pending.
- iii. Muir Beach: Pads and foundations completed. Grounding being completed. Monopole week of 07/31.
- iv. Pt Reyes: Site work starts 07/26. Monopole week of 07/31, assuming we get FAA move completed.
- v. Mt Tamalpais: Interior work completed. Exterior work starts 08/21. Tower work late July.

4) Site Overview:

As of: 07/18/2023	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								

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Skyview Terr.	#3						
Muir Beach	#4						
Wolfback Rdg.	#3						
OTA	#4						
Mill Valley	#3						
	Completed			In pr	ogres	SS	

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. (July Regional meeting)
- b. Connectivity (Dispatch, FSA, Wi-Fi)
 - i. Installation of AT&T circuits, delivery of SD WAN and Wi-Fi equipment for Pilot in progress. Site surveys completed. Agency site preparation in progress, as needed.
 - ii. Next steps Hardware install and testing, Connectivity testing, Motorola testing. Goal is to complete Pilot program week on 09/04/23.
- 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 has completed an agreement with the landlord and Marin County Fire to allow WMDC to co-locate a repeater at the Stewart Point site. We will be exploring a similar arrangement at the Muir Beach site at a later date.
 - Reached agreement with Muir Woods regarding Siren control box placement.
 With assist from County of Marin, BAAQMD construction and use permits for generators in progress.

6) Project Summary Table:

Tasks Completed	Upcoming Tasks				
1. Fire Station Alerting Acceptance Test	Complete construction at all sites				
2. Construction of all BP-1,1A and 2	2. Fire Station Alerting installations				
sites	3. Logging Recorder Plan development				
3. Stewart Point WMDC agreement.	4. Cutover Plan development				
4. Muir Woods agreement.					





Tasks in Progress

- 1. Motorola installations at BP- 2 sites
- 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

Next Six Months

- 1. Microwave installations
- 2. Complete construction
- 3. Complete End User training plan.

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