



September 22, 2021

Governing Board Communication

Agenda Item B-1

**TO: MERA Governing Board**

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

**SUBJECT: Report # 88 on the Next Gen System**

Recommended Action: For information or discussion only

Background:

- 1) Recent Project Meetings and Conference Calls
  - a. MERA Project Calls: Bi-Weekly
  - b. Implementation Project Team Calls: Weekly
  - c. MERA Training Committee: Monthly
- 2) Motorola Contract Change Orders:
  - a. Contract Change Order #14: pending – Reconciliation Change Order to address several open issues. One item still under discussion.
- 3) AFG Radio Installations: As of 09/14/21, the final mobile radio installations are being scheduled, except for a small number of vehicles that are out of county. Alternative arrangements are being made for them. Final Portable radio distributions are also being completed. The new Wi-Fi reprogramming feature, which is operational at the installation site, has already proven to be a significant time saver when radios need updated programming.
- 4) Project Schedule: Arcadis has provided a delivery schedule for the needed drawings. AECOM, using that schedule to develop a revised construction schedule, identified significant potential delays. As a result, I met with Motorola on 09/16 to discuss options to shorten the schedule. A verbal update will be provided. The budget summary will be updated and cash flow analysis will be developed after a revised schedule is received.
- 5) Nokia System Staging:
  - a. On the second attempt, the Nokia System Staging was successfully completed.
    - i. Nokia staging included 8 testing areas of normal operations as well as failure modes and multi-hour tests of data transmission quality over several different paths. This also included verification of power levels and assigned frequencies on all of the assigned equipment.
  - b. That completed the Staging process and resulted in the network equipment being shipped to Marin. MERA has received the milestone invoices for the original contract and for CCO#8, totaling \$8,717,920.44.

6) Site Overview: Those sites and tasks indicated in green are completed, yellow is in progress.

As of: 09/15/2021	Pre-Bid Activities						Bids			Construct		Staging		Installation		
Site	CEQA	Coastal Comm.	MALT	PGE	Assoc. Leases	Leases	Bid Packages	Bids Out to Bid	Bids Awarded	Start	Complete	Motorola	Nokia	Start	Complete	Accept
EOF	Green	Grey	Grey	Grey	Grey	Green	#1	Green	Green	Green	Green	Green	Green	Grey	Grey	Grey
Civic Center	Green	Grey	Grey	Grey	Grey	Green	#1	Green	Green	Green	Green	Green	Green	Grey	Grey	Grey
Big Rock	Green	Grey	Grey	Grey	Grey	Green	#2	Green	Green	Green	Green	Green	Green	Grey	Grey	Grey
Mt. Tam.	Green	Grey	Grey	Grey	Grey	Green	3	Yellow	Green	Green	Green	Green	Green	Grey	Grey	Grey
Mt. Barnabe	Green	Grey	Grey	Grey	Grey	Green	#1	Green	Green	Green	Green	Green	Green	Grey	Grey	Grey
Point Reyes	Green	Green	Grey	Grey	Grey	Yellow	3	Green	Green	Green	Green	Green	Green	Grey	Grey	Grey
Dollar Hill	Green	Grey	Grey	Grey	Grey	Green	#1A	Green	Green	Green	Green	Green	Green	Grey	Grey	Grey
San Pedro	Green	Grey	Grey	Grey	Grey	Green	#2	Green	Green	Green	Green	Green	Green	Grey	Grey	Grey
Tiburon	Green	Grey	Grey	Grey	Grey	Green	#1A	Green	Green	Green	Green	Green	Green	Grey	Grey	Grey
Sonoma Mt.	Green	Grey	Grey	Grey	Grey	Green	#2	Green	Green	Green	Green	Green	Green	Grey	Grey	Grey
Stewarts Pt.	Green	Grey	Grey	Grey	Grey	Green	#1A	Green	Green	Green	Green	Green	Green	Grey	Grey	Grey
Tomaes	Green	Grey	Green	Green	Grey	Green	5	Yellow	Green	Green	Green	Green	Green	Grey	Grey	Grey
Coyote Peak	Green	Grey	Green	Green	Grey	Green	5	Yellow	Green	Green	Green	Green	Green	Grey	Grey	Grey
Skyview Terr.	Green	Grey	Grey	Green	Grey	Green	4	Yellow	Green	Green	Green	Green	Green	Grey	Grey	Grey
Muir Beach	Green	Green	Grey	Green	Grey	Green	4	Yellow	Green	Green	Green	Green	Green	Grey	Grey	Grey
Wolfback Rdg.	Green	Grey	Grey	Green	Grey	Green	3	Yellow	Green	Green	Green	Green	Green	Grey	Grey	Grey
OTA	Green	Grey	Grey	Grey	Grey	Yellow	3	Green	Green	Green	Green	Green	Green	Grey	Grey	Grey
Mill Valley	Green	Grey	Grey	Green	Grey	Green	4	Yellow	Green	Green	Green	Green	Green	Grey	Grey	Grey
	Green	Completed				Yellow	In progress			Grey	N/A	White	Pending			

7) Key Project Summary Details:

- a. AFG Mobile Radio Installations: Approaching completion
- b. Construction Bid Packages:
  - i. Bid Package #1 awarded to Fidato. Construction in progress.
  - ii. Bid Package #1A awarded to Fidato. Construction in progress.
  - iii. Bid Package #2 going out to bid late fall, early winter based on Arcadis schedule.
  - iv. Assessing delay due to change in engineering subcontractors.
- c. System Staging for Nokia was completed July 07/27-29, 2021.

8) Project Summary Table:

<p style="text-align: center;"><b><u>Tasks Completed</u></b></p> <ol style="list-style-type: none"> <li>1. NTP issued for BP-1 and BP-1A.</li> <li>2. All leases complete except Pt Reyes and OTA.</li> <li>3. Nokia Staging completed.</li> <li>4. MERA Newsletter issued.</li> <li>5. HVAC upgrades completed for Next Gen sites.</li> </ol>	<p style="text-align: center;"><b><u>Upcoming Tasks</u></b></p> <ol style="list-style-type: none"> <li>1. Cash Flow Analysis.</li> </ol>
<p style="text-align: center;"><b><u>Tasks in Progress</u></b></p> <ol style="list-style-type: none"> <li>1. Complete Site Lease Agreements.</li> <li>2. Complete Talkgroup Templates and Radio Aliases.</li> <li>3. Complete Project Plan with AECOM.</li> <li>4. Training Committee Review of Motorola materials.</li> <li>5. Complete AFG Radios Installs and Portable Distribution.</li> <li>6. Construction of BP-1 and BP-1A Sites</li> <li>7. Develop updated Project Schedule.</li> </ol>	<p style="text-align: center;"><b><u>Next Six Months</u></b></p> <ol style="list-style-type: none"> <li>1. Bid Awards – BP 2-5</li> <li>2. Motorola to begin Master Site Installation.</li> <li>3. Install Electrical Automatic Transfer Switches to existing sites.</li> </ol>

9) Effective 07/01/20, questions and issues regarding the Next Gen System should be referred to Deputy Executive Officer for the Next Gen System Dave Jeffries.