MOTOROLA SOLUTIONS

State of North Dakota

SIRN 2020 Status Update

February 2023

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Phase 1 / Group 5 Locations (State Radio, State Radio Back up, Minot New PSAP)

- New Minot PSAP- NTP received and equipment has been ordered- Target Turn-up March/ April of 2023
  - Vesta Pre-meeting planned for 3/7 and Call Flow/Design Meeting planned for 3/15/23
- State Radio Back Up (Scope changed to add additional consoles to the Cen-Comm location).
  - Deployable Laptop Configuration / testing- Item postponed until the operational requirements are defined by DES / State Radio and NDITD
- State Radio (Postponed until Statewide Coverage is completed)
  - Network Equipment has been installed at the location

VPN Core setup / Configurations / Testing

- Radio Management Bismarck VPN testing completed
  - Dickinson Radio's have been added during the Transition.
    - Lessons Learned and Formal Process will be created for Future locations
    - Encryption Testing and Planning is in process for this Transition (VHF and SIRN-800Mhz)
- Fargo VPN testing is Open Pending the below Items
  - ATP acceptance of NICE logging- Complete
  - Radio Management- ATP complete
  - Smart Connect- ATP has been completed

System Upgrade from SW version .19 to .21 Planed from 1/9/23- 2/3/23

- Switchover completed the Week of 1/23/23 as planned
- Console Operator SW updates are in process and will be complete in March
- PSAP SW updates are being planned for the Week 3/13 during the Maintenance Window

SIRN 2020 February Status Update

RF Phase Status (Phase 2, Group 1, 2, 3 and 4)

- Pre-Construction Items in process (AKA- Architectural and Engineering – A&E)
  - Paper Study LE's are being shared with the site owners to allow the lease process to get started for the 2023 Build Season.

- Early Adopter locations updates-
  - Drive testing Reports has been completed and shared with the team for Williston/Williams Co, Grand Forks, Minot and Bismarck area's.

- Dickinson Simulcast:
  - Compound and Equipment installation work has been completed.
    - Simulcast Optimization work is complete, Backhaul is in process of being installed and turned up via the local Telco and NDIDT teams
      » Coverage testing completed the week of 1/9/2023
      » Site ATP's have been completed the Week of 1/30 as planned
    - PSAP Trunking training completed the week of 1/23/23.
    - Radio are in process of being programmed as the teams to prepare to Transition the week of 2/27.

Overall Site Build Status Cont..

- Overall Site Build Status for Locations in which an NTP Has Been Received (107 Contract Locations + One Change Order)
    - (59) locations have been completed (30 Locations are in Use for Simulcast with ASR support, 29 other locations complete)
    - In Process- Sites with Partial Civil Construction complete
    - Open- Sites requiring lease / owner approval / Not scheduled
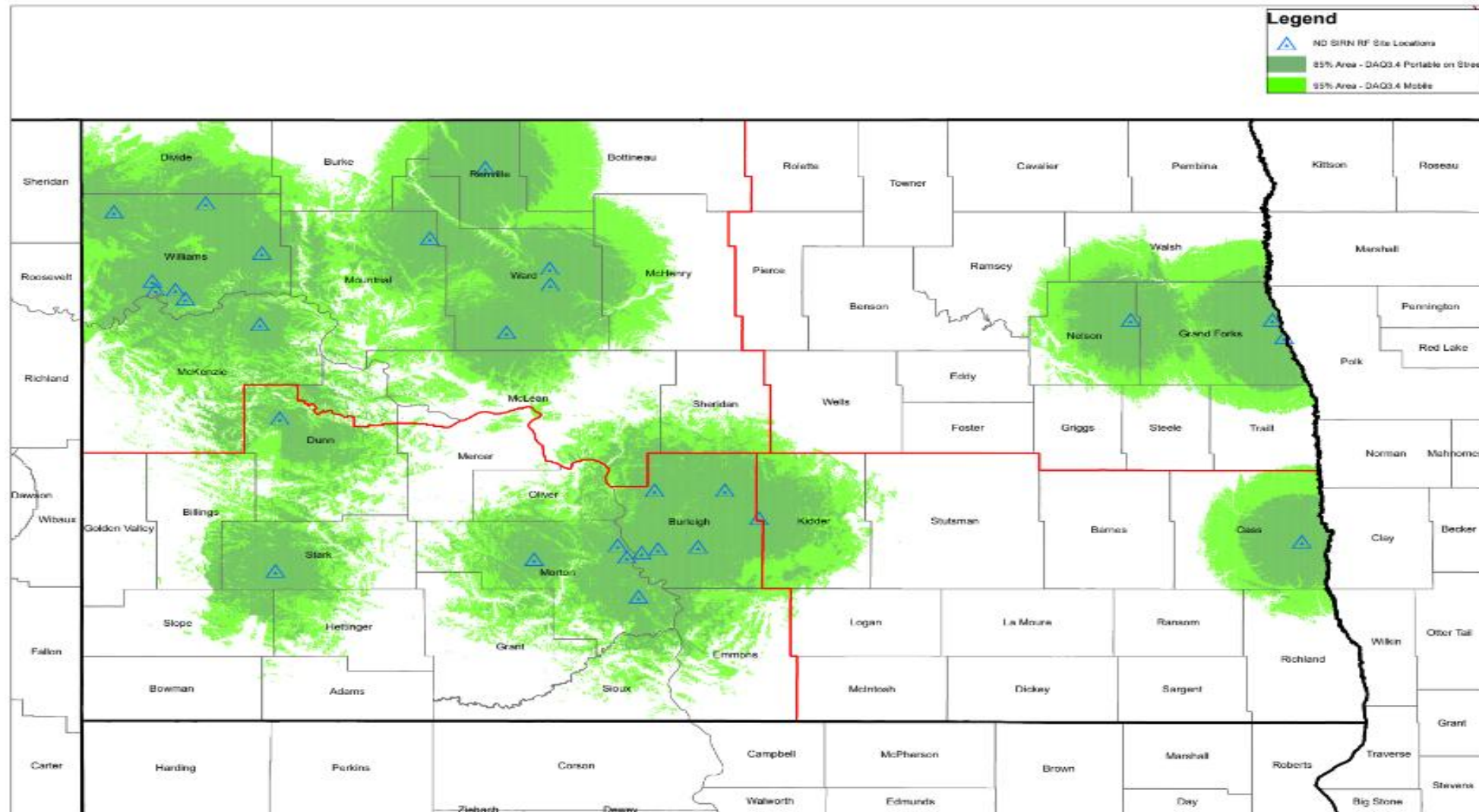
Region	Close Out	In Process	Open	QTY of Sites
NE	10	0	11	21
NW	17	0	12	29
SE	9	1	11	21
SW	20	3	14	37
Total	**56**	**4**	**48**	**108**

- RF Site Optimizations
    - (4) ATP's Targeted to be Completed in First Quarter (Backhaul readiness / Weather dependant)
        - Site Backhaul Required for ATP testing
- Antenna and Line Installs
    - (4) locations have been completed
    - (1) location planned to be completed by the end of March
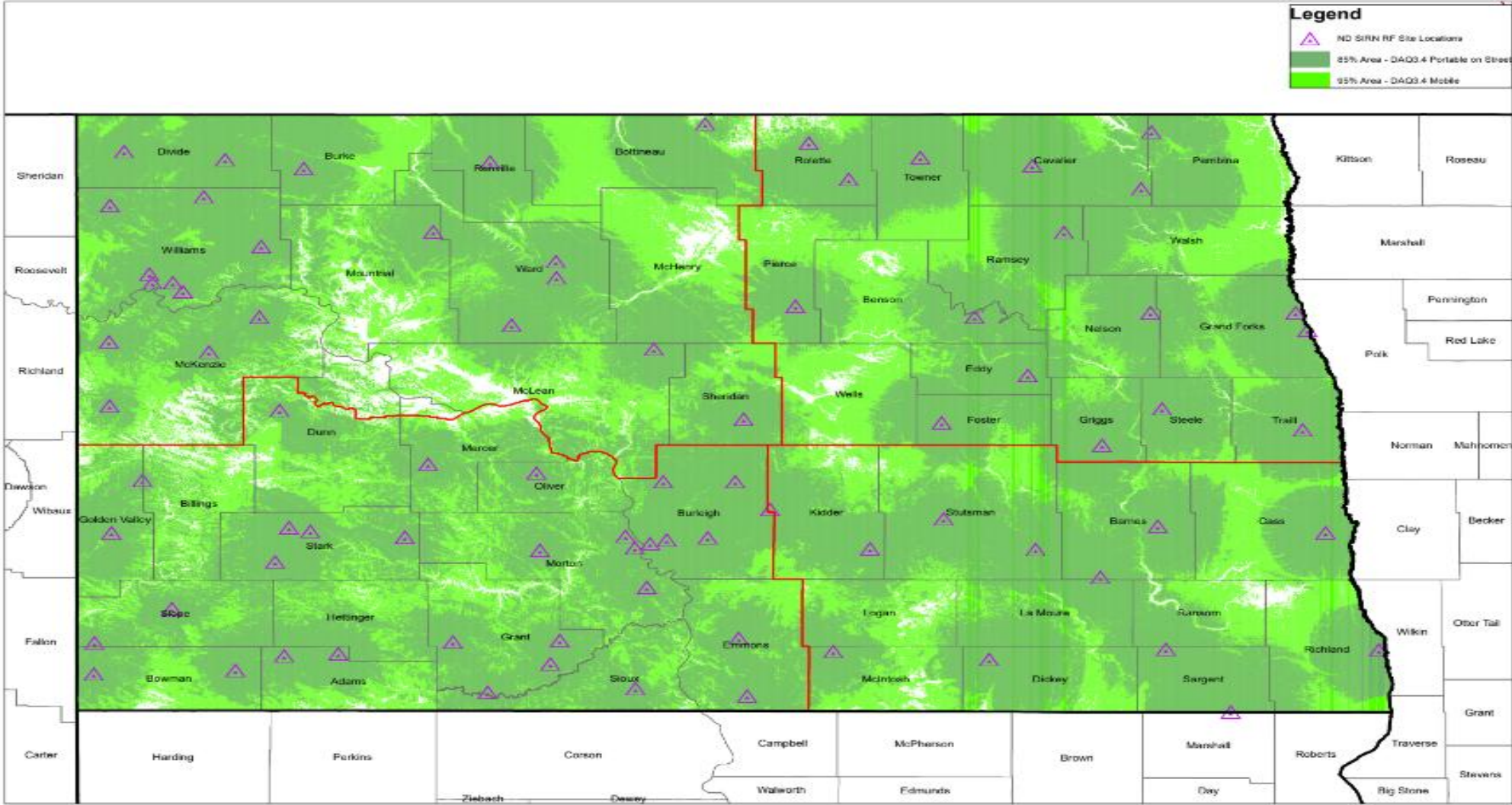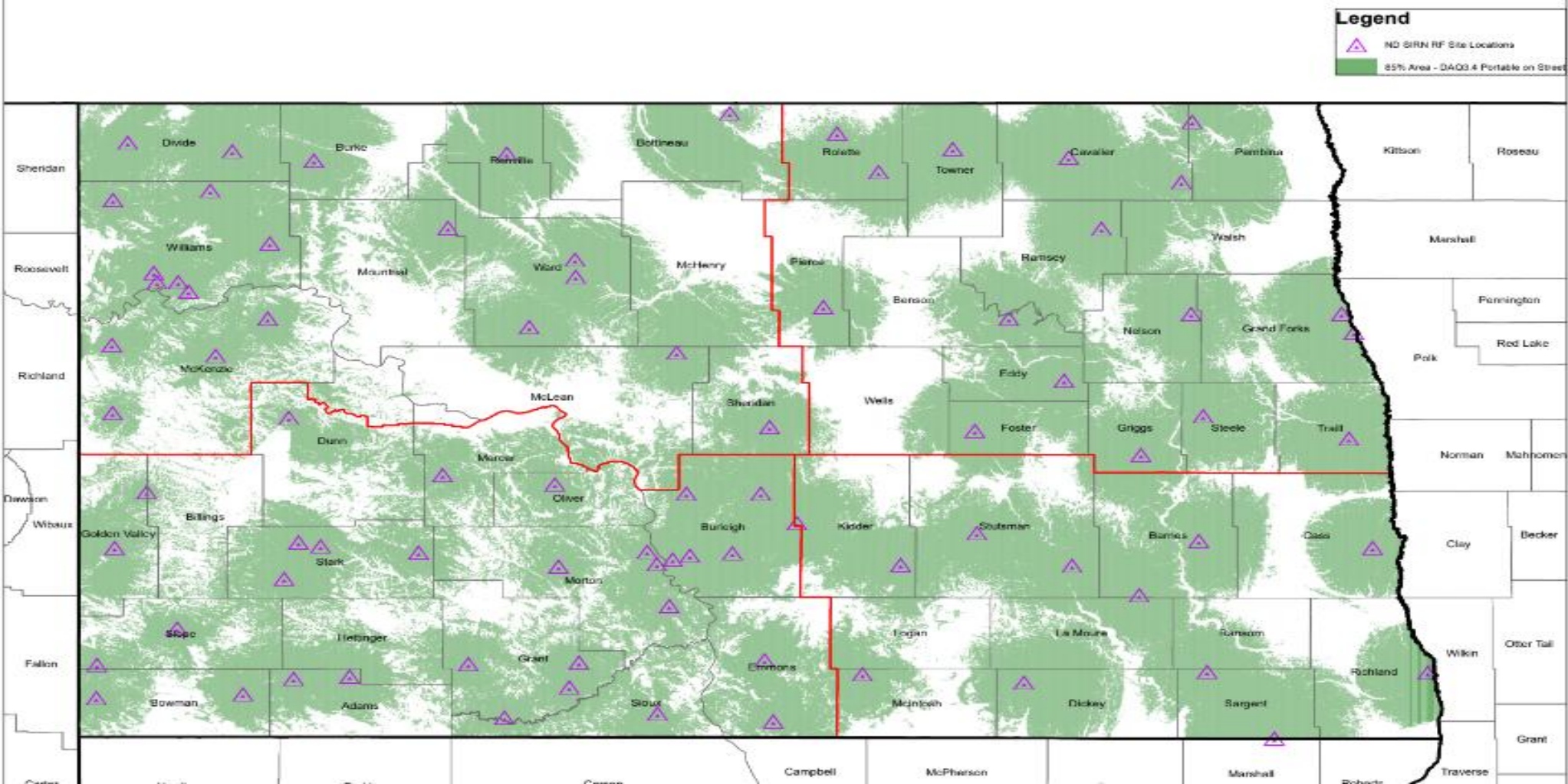
RF Locations with Active Users

SIRN Build Out : NEXT STEPS

Phase 2 / Group 1 (State Owned Locations)
- Work with State to help resolve build plan for State locations requiring changes and locations with possible NEPA issues (QTY-8)
  - (5) Alternate Sites have been identified, LE's are in the approval process

Phase 2 / Group 2 (Early Adopters)
- In process of Planning resource to complet e this group . (1) shelter set needed.

Phase Two / Group 3
- Work with Teams to get Lease Exhibit approval to Lock in lease targets
- Enhaunced foucus completing Sate Wide Mobile covrage (~20 locations needed to complete this task from Group 1 and Group 3 locations)

Phase Two / Group 4
- Project schedule is in process for the locations identified for this goup should have a quick lease time (i.e past leases with site owners already completed)
- Update and Complete lease Exhibits for Approval to allow team to Order additional shelters for 2023 Build Season

Phase Two Schedule-
- Groups 1-4 Project schedule is in process on being updated to determine new completion dates based on current location status and supply chain and NEPA Challenges
- A new schedule has been created for the last groups of RF locations (Group 5 = 16 and Group 6=16). This will complete the RF buildout schedule once baselined
  - Awaiting State NTP to start this group and a targt completion date will be provided once received.

State Team Core and RF training Planned
- On Site training has been completed with State teams
  - Final (2) week custom course topics are being identified

Additional Core Work Planned
- Radio Managment- Integration and ATP has been completed.
  - Working with team to determnie Radio Re-touch plan (Ensure proper options are being ordered, working with team to capture the radio data so they can be entered into Radio Management, etc..) Dickinson is being used as a model to create and overall process (Data flow from Programming Resources to State RM database).