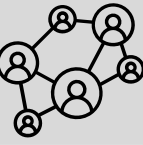


House Appropriations

HB 1242
January 26, 2023
Brynhild Haugland

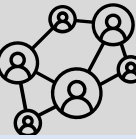


STATEWIDE INTEROPERABLE RADIO NETWORK (SIRN)



- **2011** Exploratory Study Focused on Land Mobile Radio Interoperability
- **2015** Legislature Authorizes Feasibility Study
- **2016** Televate Study Conducted; Recommendations Provided
- **2017** Legislature Authorizes and Governor Signs into Law - Execution of SIRN 20/20
- **2017** SIRN 20/20 Program Initiated
- **2018** Requests for Proposals
- **2019** January - Contract Awarded to Motorola
- **2019** April - Legislature Authorizes and Governor Signs SIRN Project Funding into Law
- **2019** May - Project Kick Off
- **2020** December – Backhaul and 10 PSAPs cutover
- **2021** December – 7 additional PSAPs cutover
- **2022** November – 5 additional PSAPs cutover along with approx. 65 sites completed

PUBLIC SAFETY COMMUNICATIONS IN ND

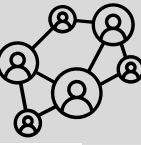


- What are Public Safety Communications?

PUBLIC SAFETY COMMUNICATIONS IN ND

- 20,000 Users & Devices
- 900+ Public Safety
 - 114 Law Enforcement Agencies
 - 175 EMS Departments
 - 359 Fire Agencies
- Public Sector Entities
 - Public Works, Highway Depts, Public Health, Hospitals & School Transportation

PUBLIC SAFETY COMMUNICATIONS IN ND



- Why SIRON?

SIRON HISTORY

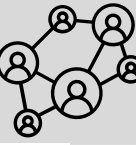
CHALLENGES IDENTIFIED



**NORTH DAKOTA
STATEWIDE
INTEROPERABLE
RADIO NETWORK**

- Lack of Coverage
- “End of Support” for 40% of communications equipment in 2018-2020
- Dozens of fragmented systems
- Lack of features required by public safety community
- Cumbersome Interoperability
 - Limited communication capabilities between jurisdictions & disciplines
- Interference
- Unreliable “In-Building” Service

PUBLIC SAFETY COMMUNICATIONS IN ND



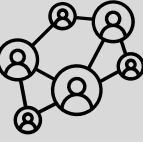
- What are we building?

SIRN SOLUTION



- Shared Infrastructure Utilized by All Public Safety Users
- 800 MHZ Frequency Band
- Project 25 Technology
- 99.999 Reliable is the national standard for public safety communications hardware
- Hardware Meeting Standards Usable on SIRN System
- Guaranteed Coverage
 - 95% Mobile Coverage / 95% Reliability
 - 85% Portable Coverage / 95% Reliability
- Addresses End of Life & End of support of Equipment
- Future Integration with LTE & Wi-Fi Technology
- Guaranteed System Support for 25 years

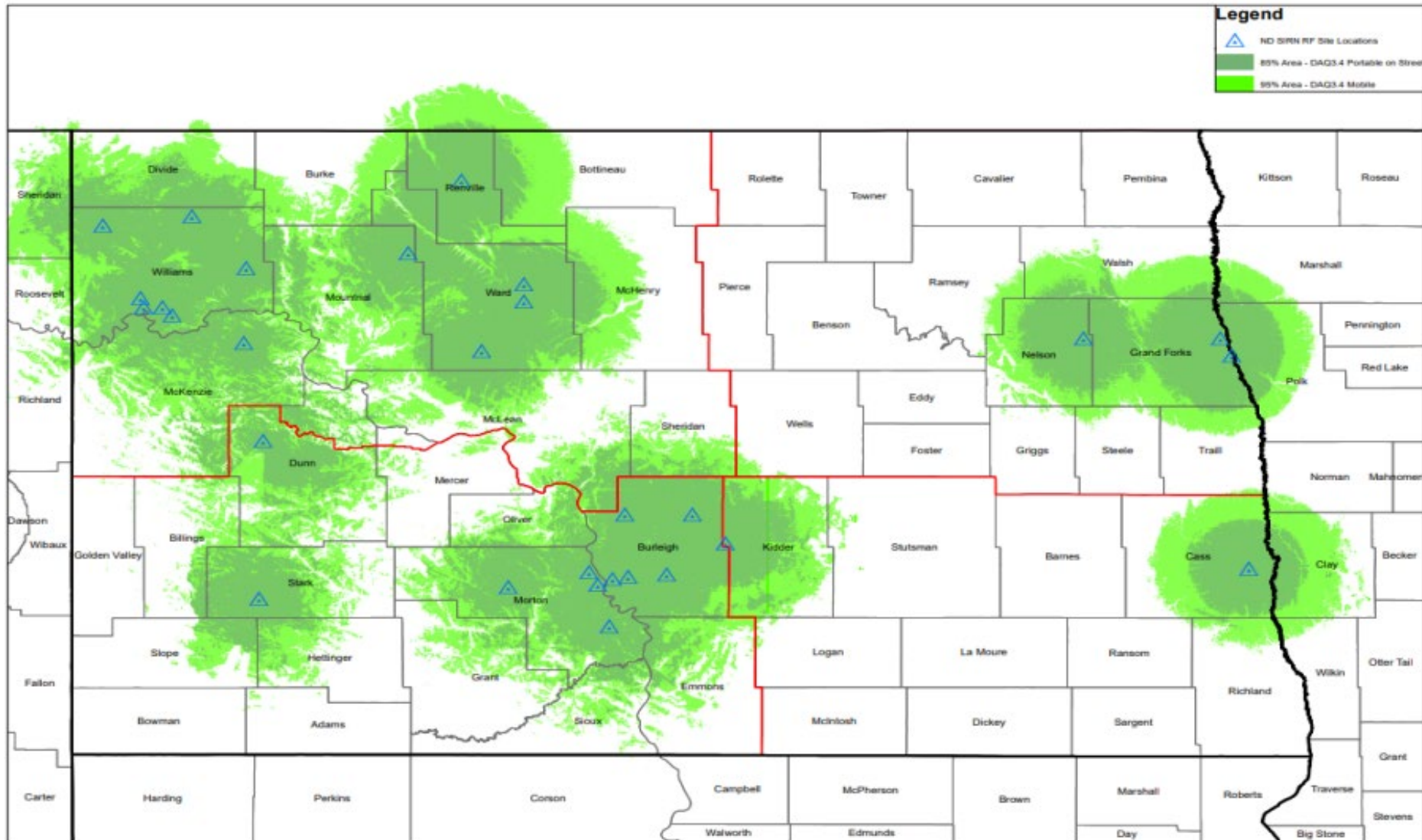
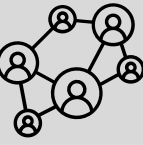
PUBLIC SAFETY COMMUNICATIONS IN ND



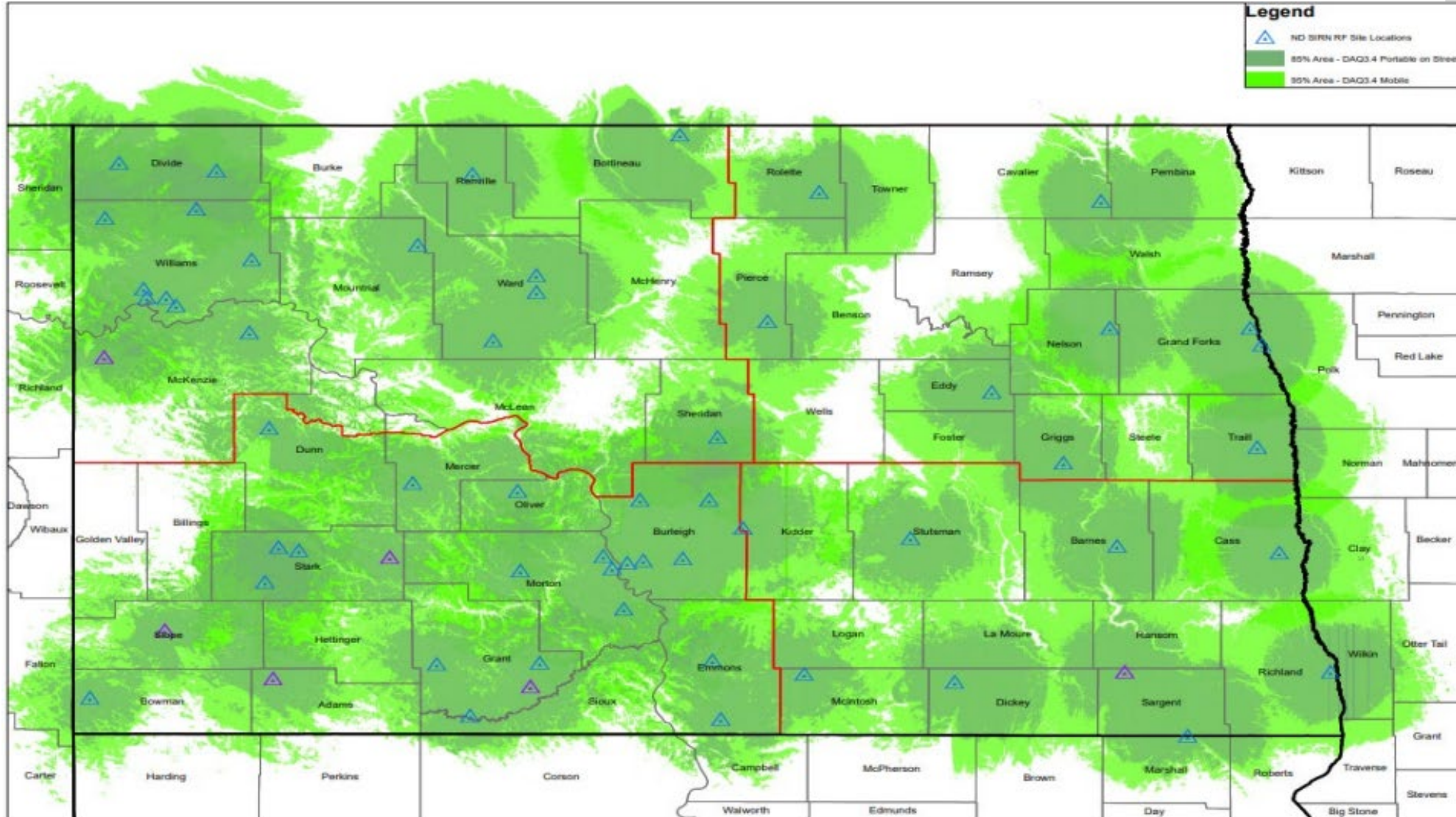
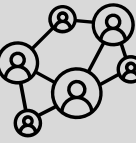
➤ **SIRN Project Has 3 Main Phases**

- **Phase 1: Backhaul and PSAP Console Replacement**
- **Phase 2 – Group 1: Radio Frequency (RF) Buildout for Mobile (In-Car Radio) Coverage to include Simulcast Early Adopter Locations**
- **Phase 2 – Group 2: Radio Frequency (RF) Buildout for Portable (Handheld Radio)**

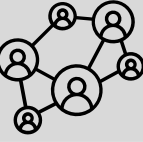
PUBLIC SAFETY COMMUNICATIONS IN ND



PUBLIC SAFETY COMMUNICATIONS IN ND



PROJECT TIMELINE AND ESTIMATES

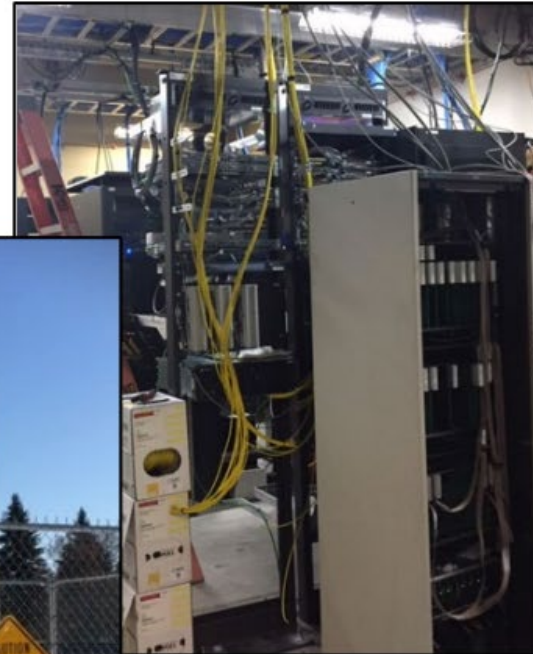


SIRN

PROJECT STATUS



- **2019** May - Project Kick Off
- **2019-2022** – 21 of 23 PSAPs cutover, approximately 65 sites complete (not all active)
- **2023** – Statewide Mobile Complete
- **2025** - Estimated Statewide Portable Complete



NORTH
Dakota

Be Legendary.™

THANK YOU



Empower People | Improve Lives | Inspire Success