

EXHIBIT 1

NYSTEC Presentation to Legislature 12/4724



Ulster County Radio System



Modernization and Data Solutions

Prepared For: Ulster County Legislature

December 4, 2024

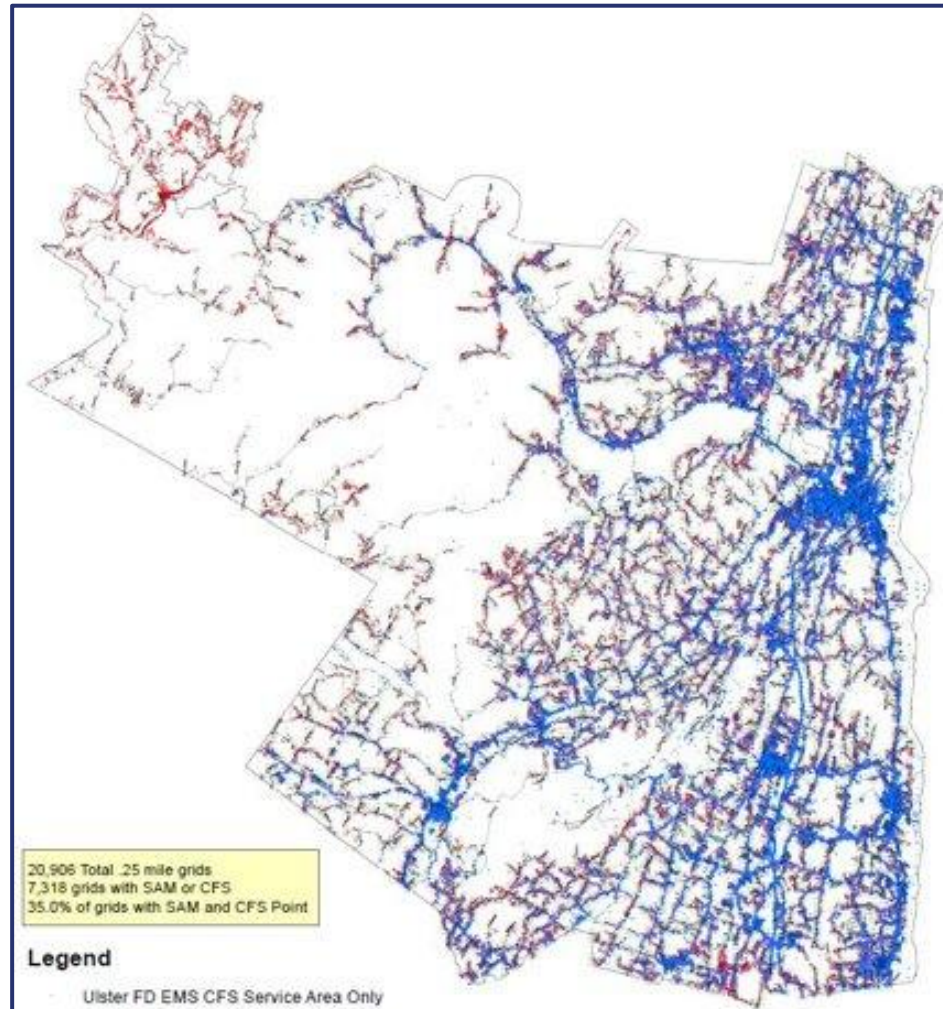


- ▷ Project Overview
- ▷ Project Challenges
- ▷ Radio System Coverage
- ▷ Motorola Proposed Radio Infrastructure
- ▷ Motorola Proposed Equipment for GOC
- ▷ Motorola Proposed Equipment for MCP
- ▷ Questions

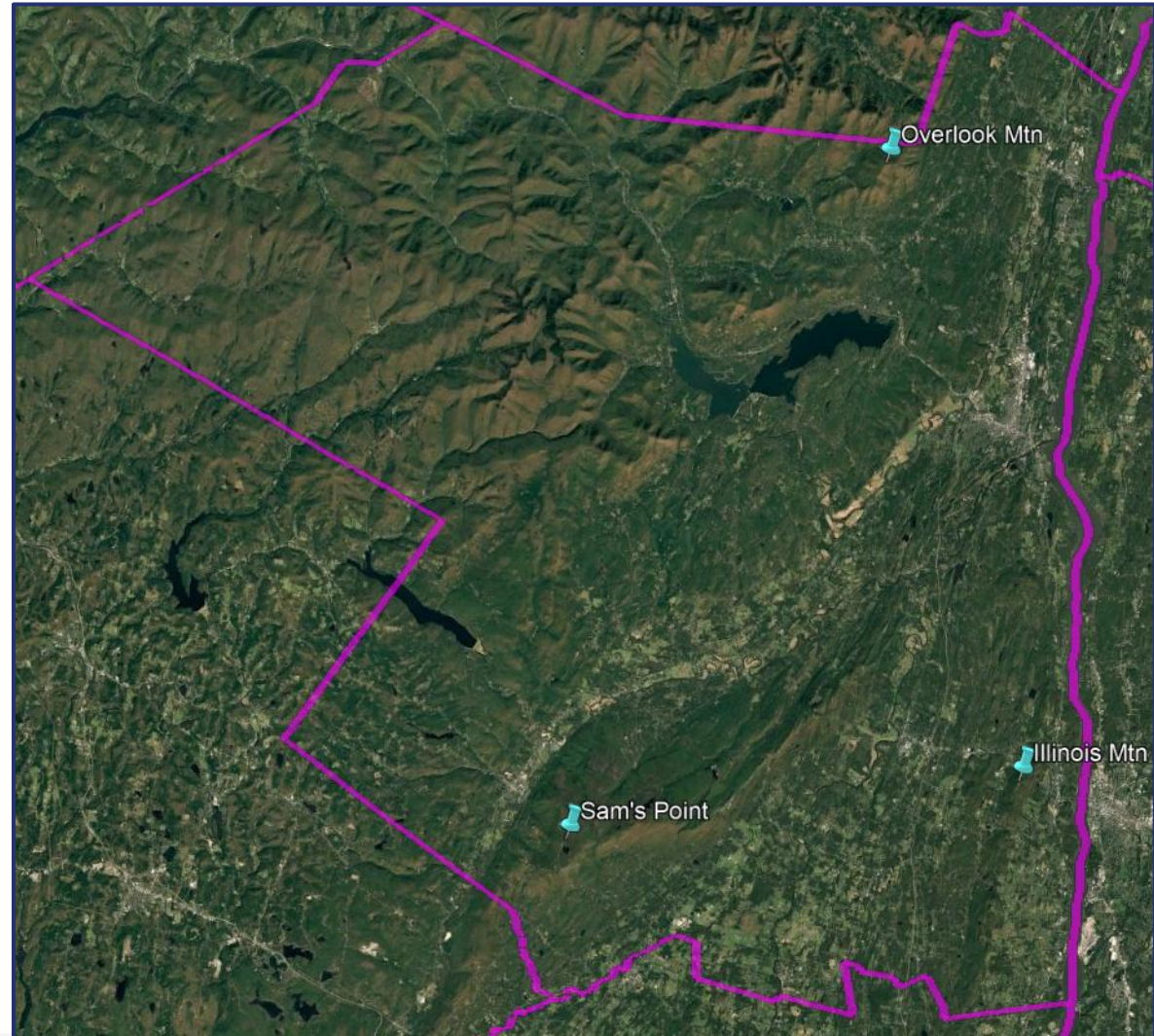
- ▶ **Current Radio System** consists of 5 sites for Fire/EMS and 3 sites for Law Enforcement and 7 sites for paging
- ▶ Contracted with Motorola in 2019 for 10 sites for Fire/EMS and 4 sites for Law Enforcement, radio consoles and 911 phone system (Vesta)
- ▶ Proposed design with Motorola increases Fire/EMS sites by 6 sites, Law Enforcement by 12 sites and paging by 8 sites.
 - Additionally includes National Interoperability infrastructure to satisfy grant requirements.
 - Upgrade to new radio console and latest version of Vesta

- ▶ FCC Licensing is complex
- ▶ Tower sites were difficult to lock down
- ▶ Radio system design is problematic due to terrain
- ▶ Determining coverage requirements

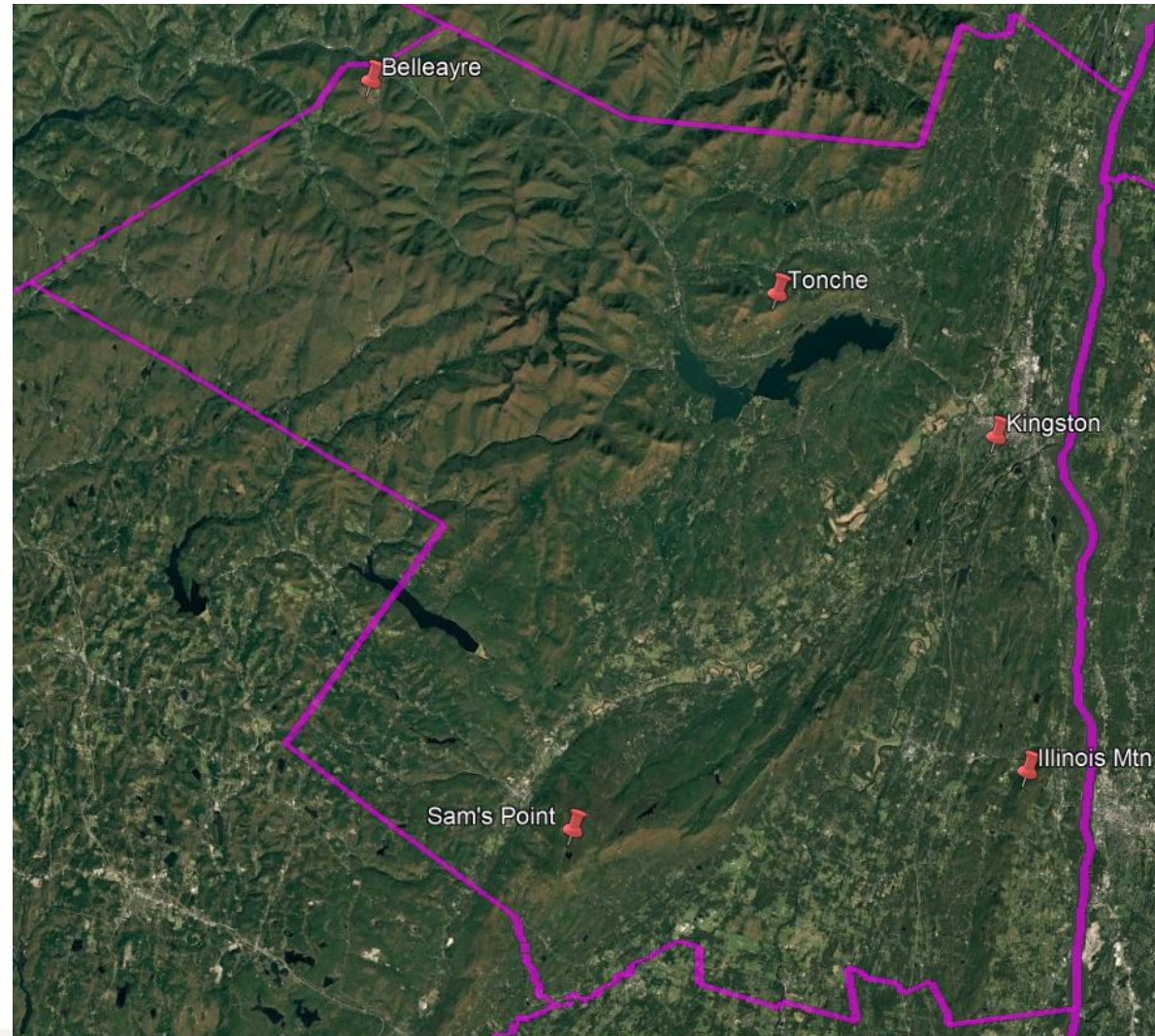
Calls for Service Data



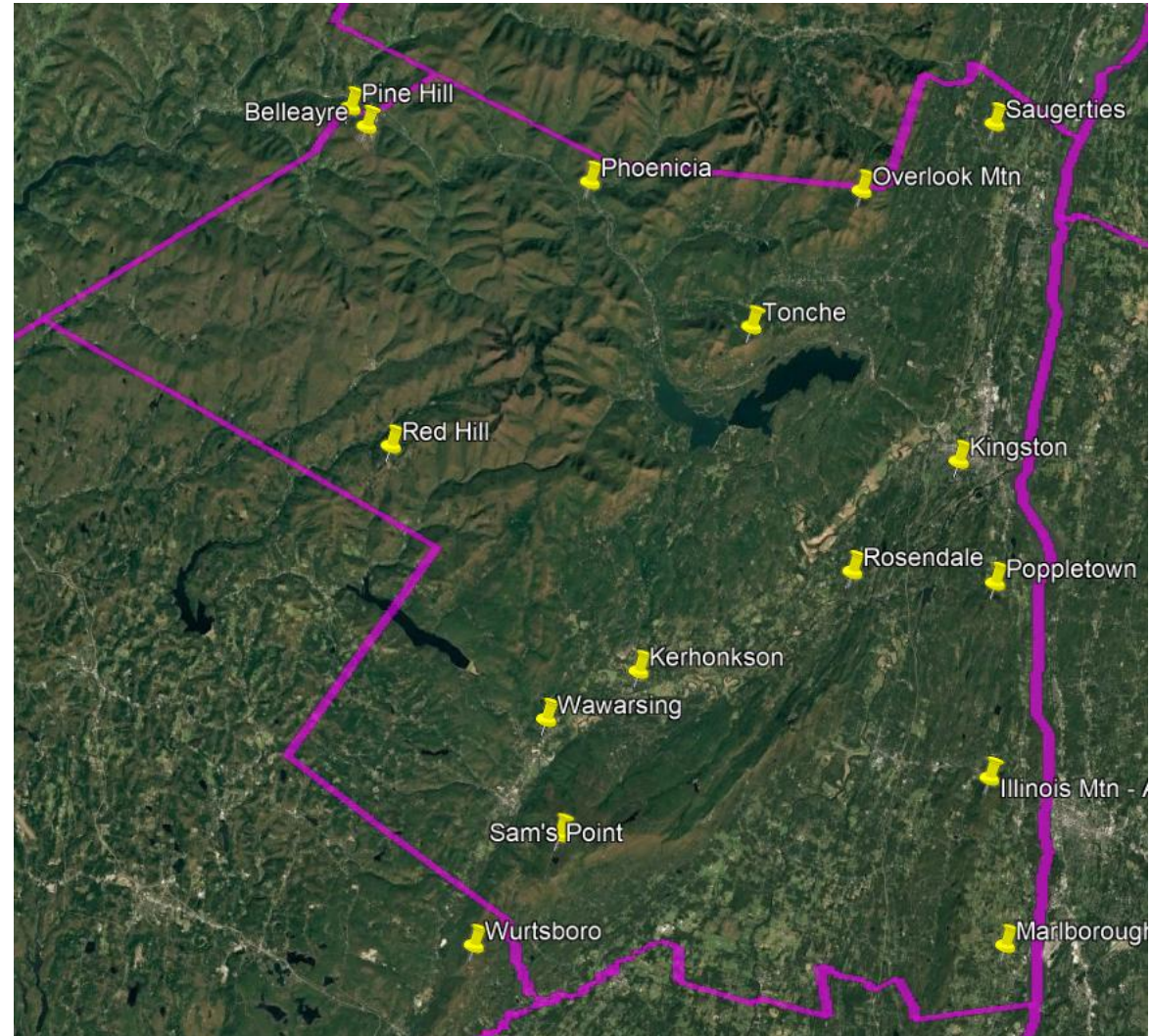
Existing Law Enforcement Sites



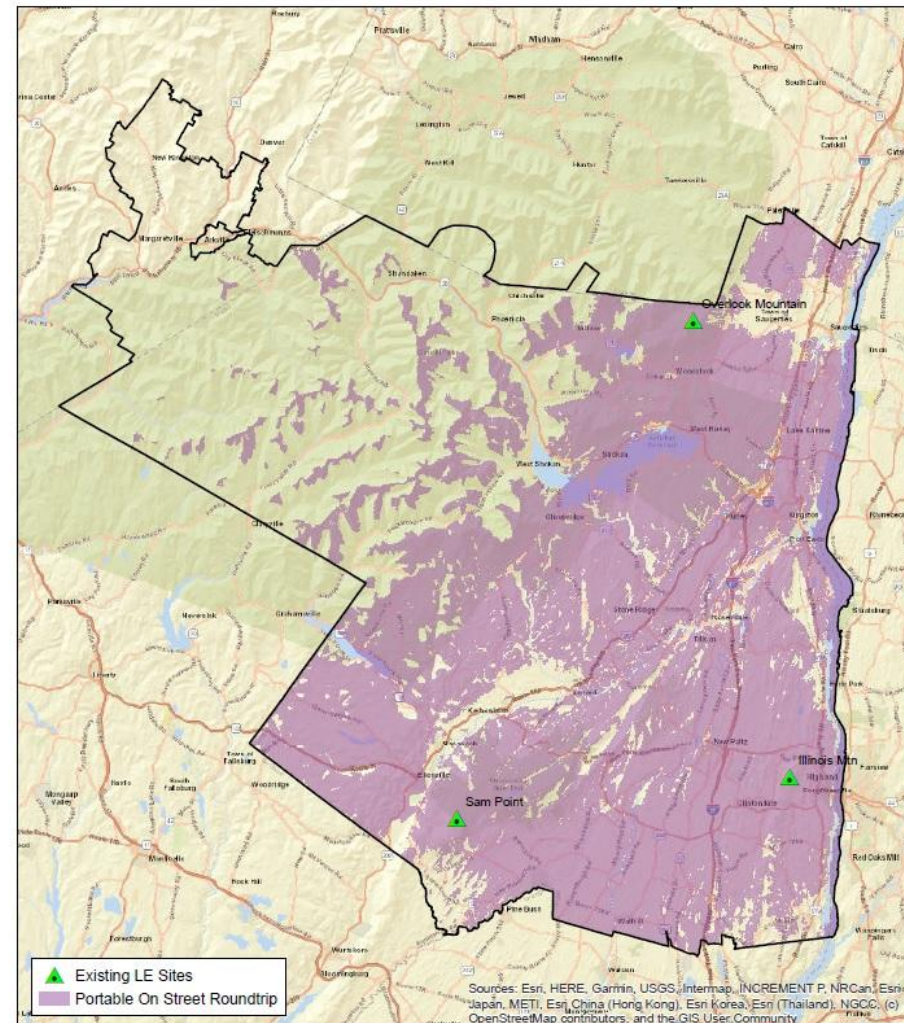
Existing Fire/ EMS Sites



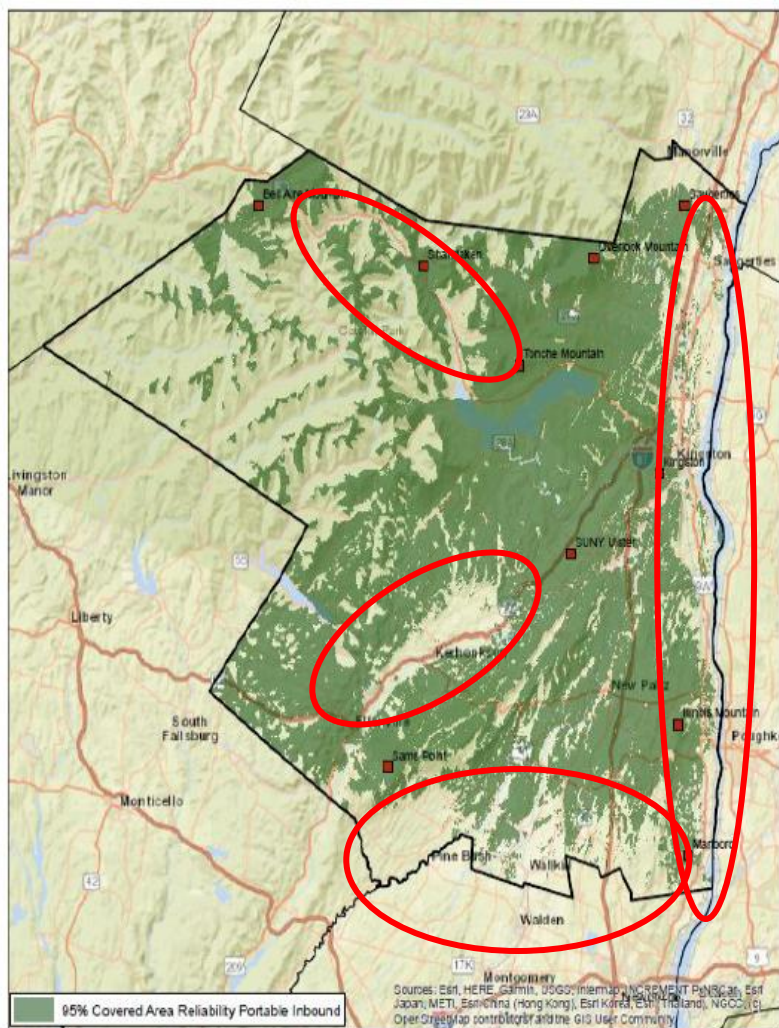
Future System Sites



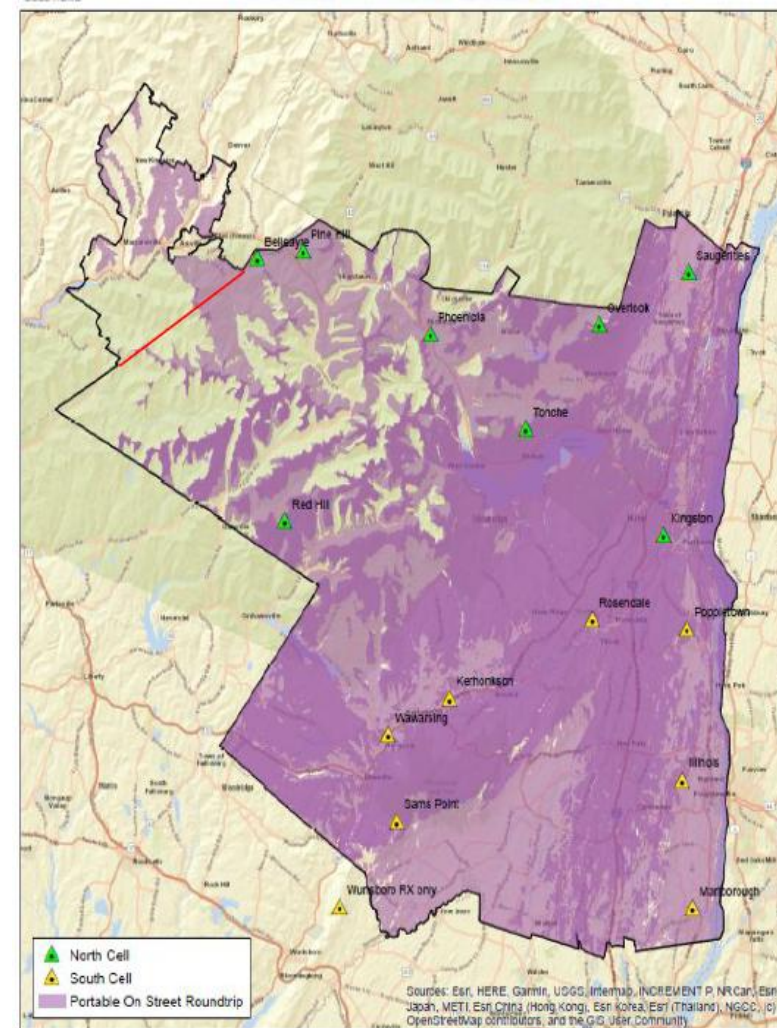
Existing Law Enforcement Portable Coverage



System Coverage – LE Portable

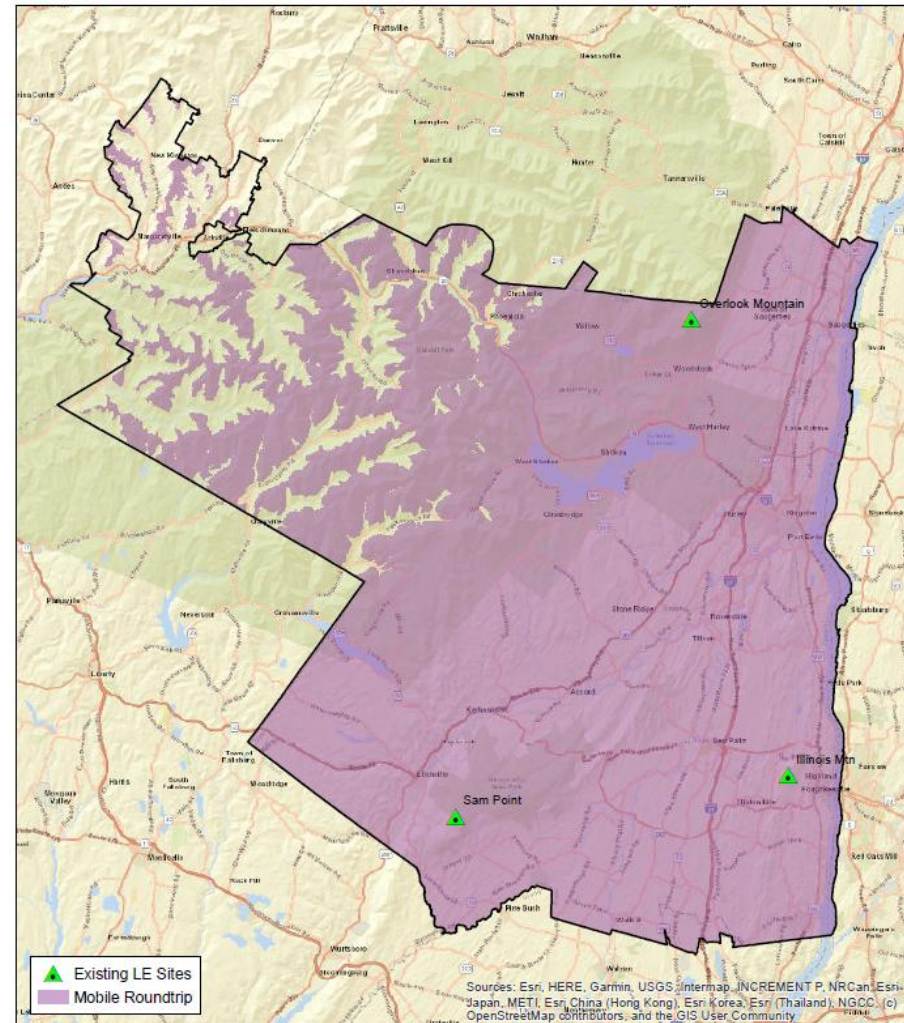


Contracted

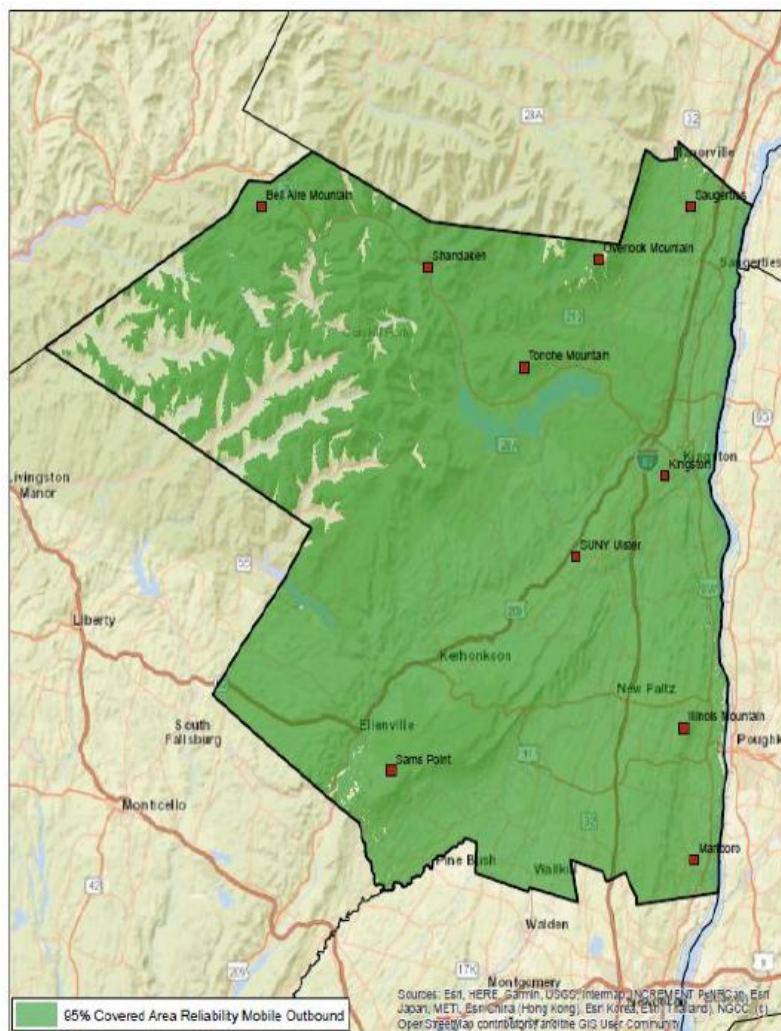


Proposed

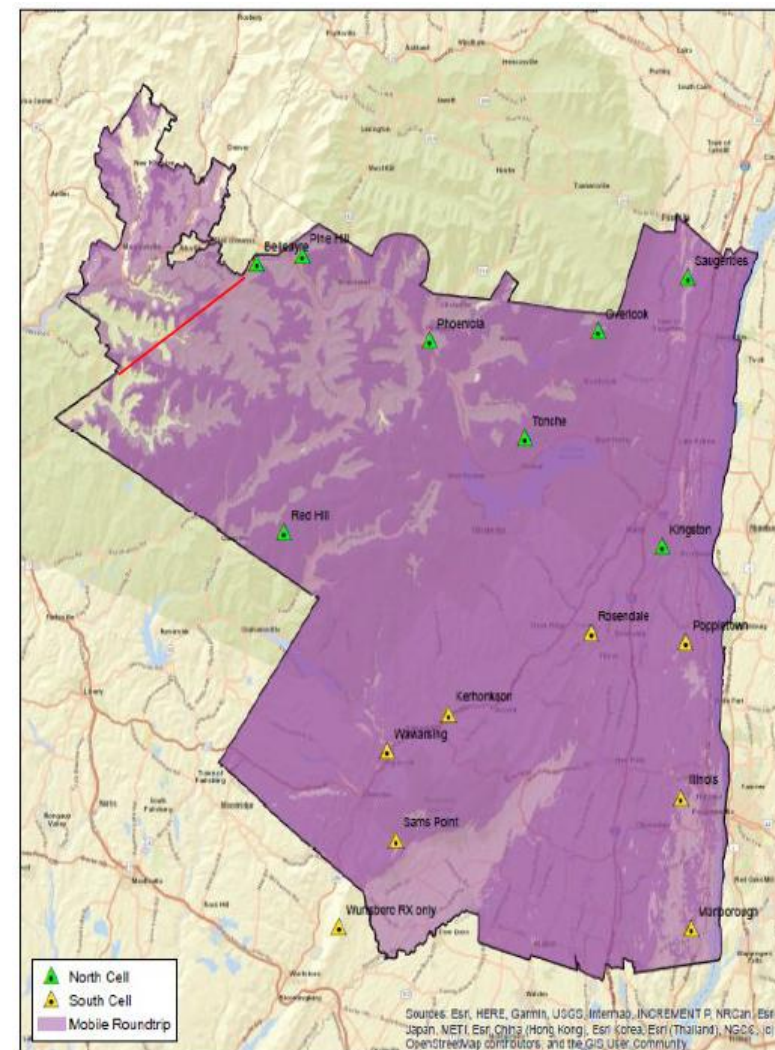
Existing Law Enforcement Mobile Coverage



System Coverage – LE Mobile

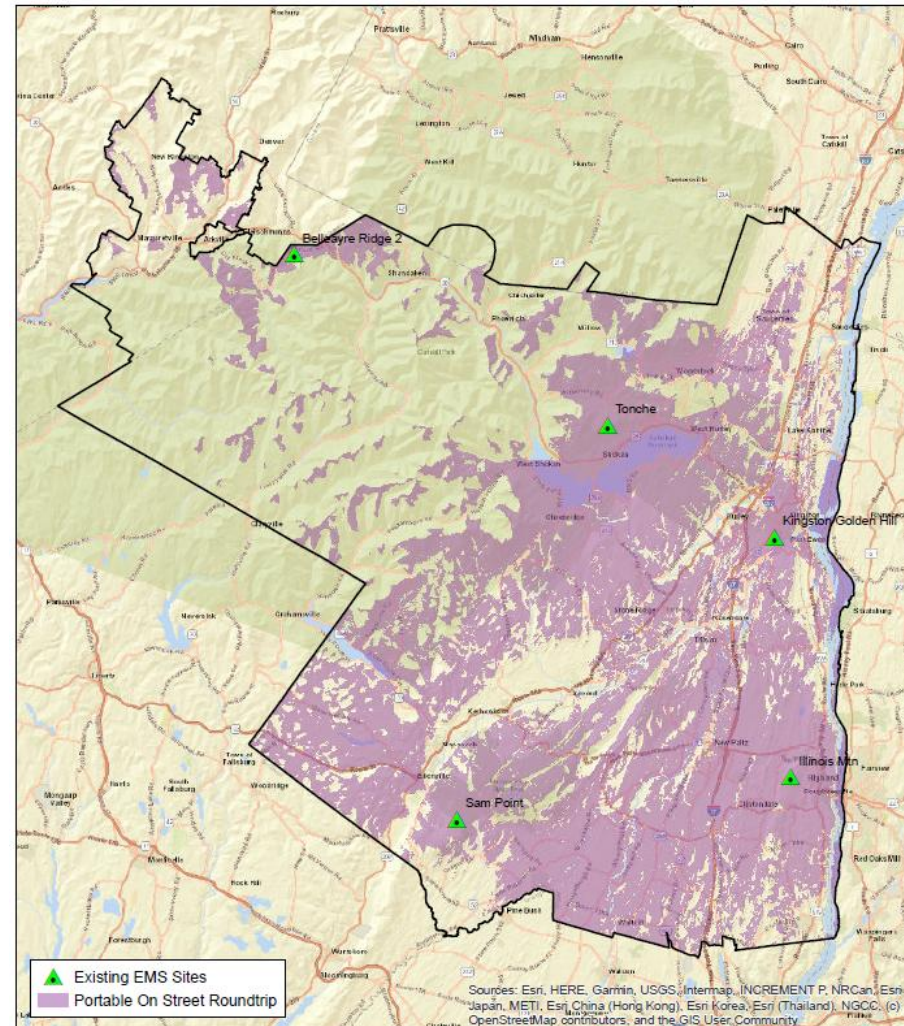


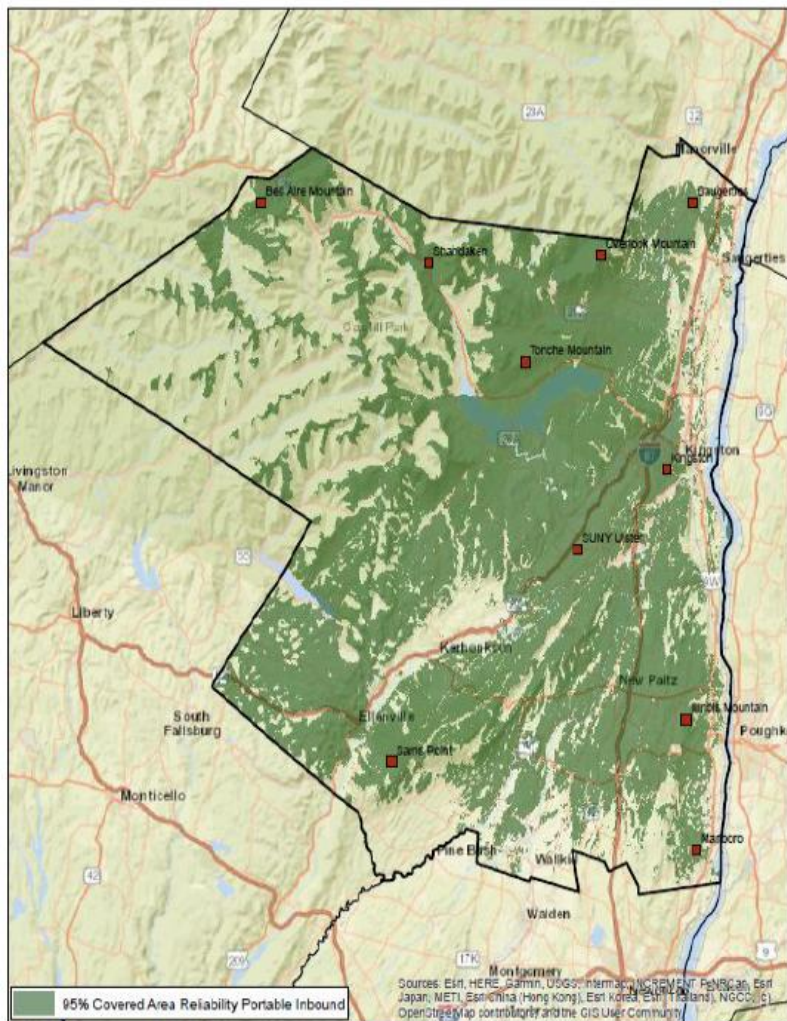
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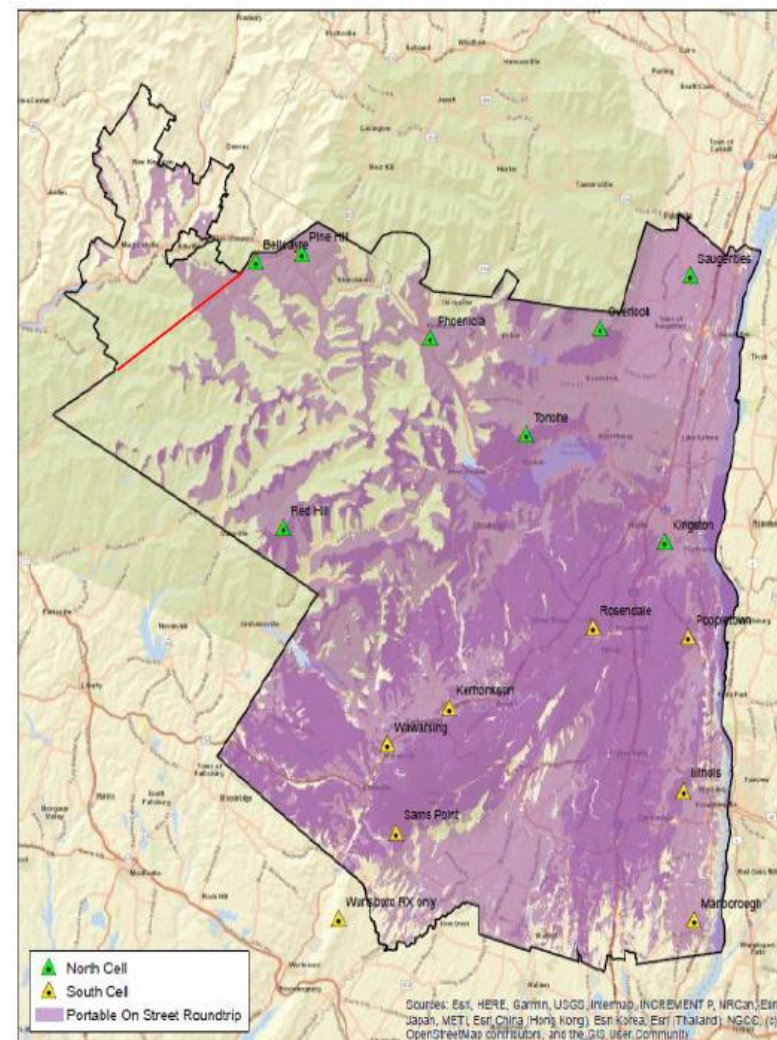
Proposed

Existing Fire / EMS Portable Coverage



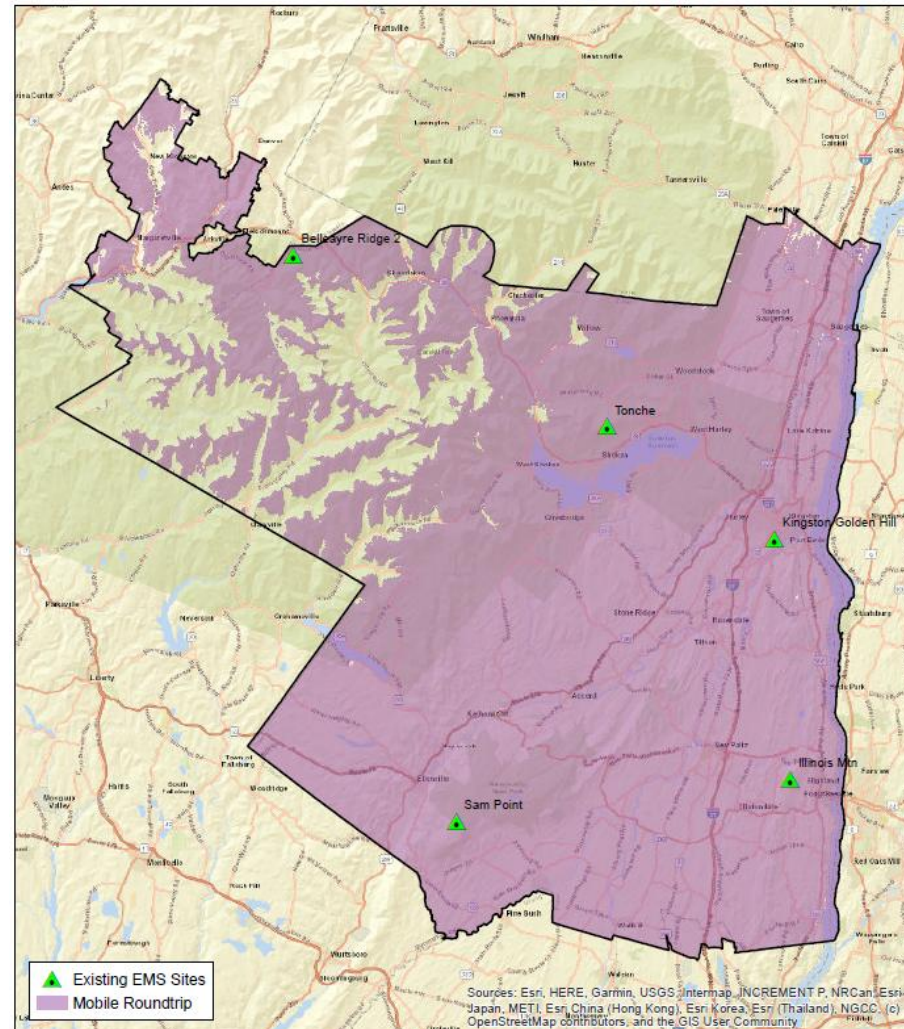


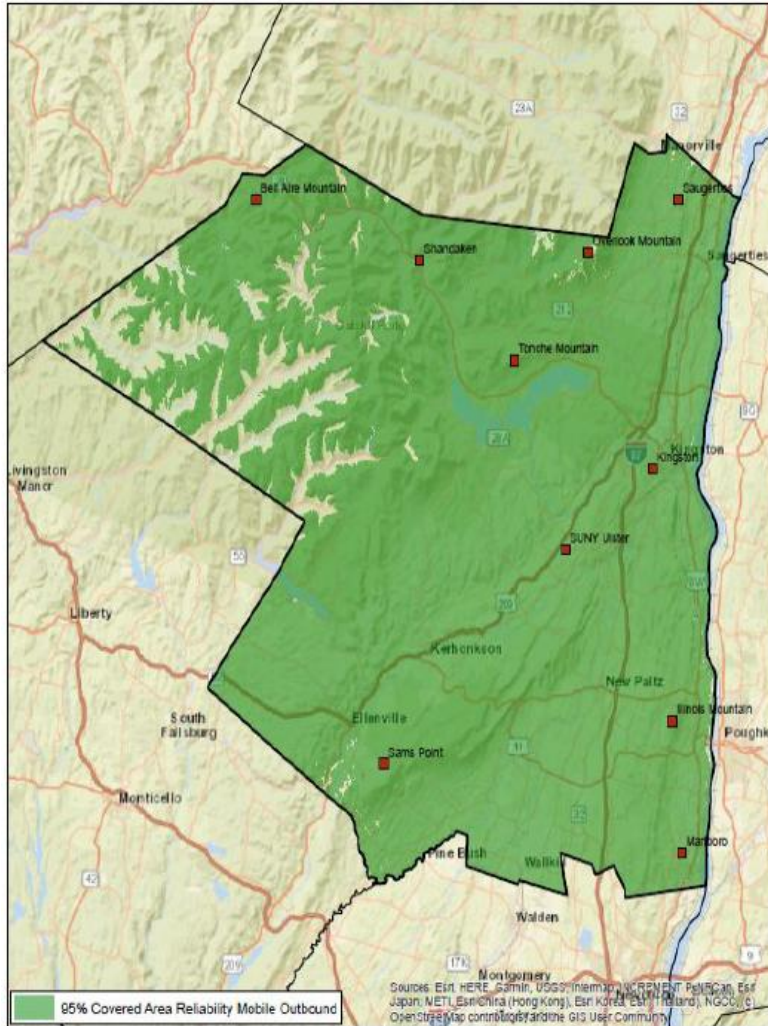
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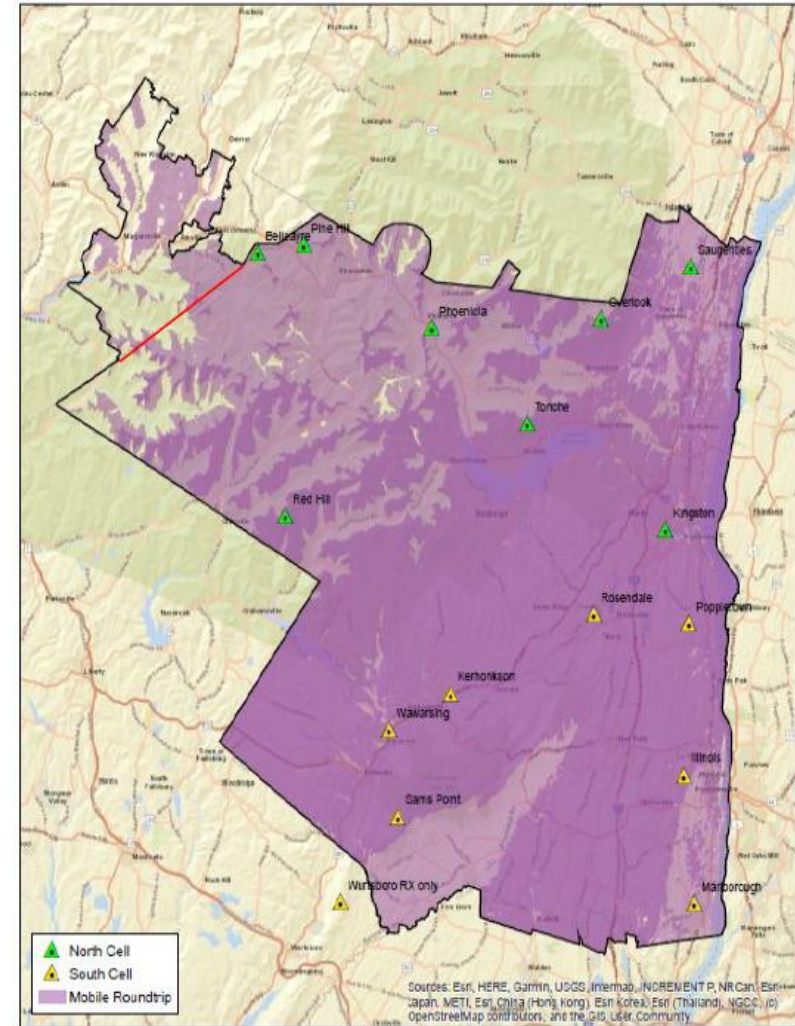
Proposed

Existing Fire / EMS Mobile Coverage



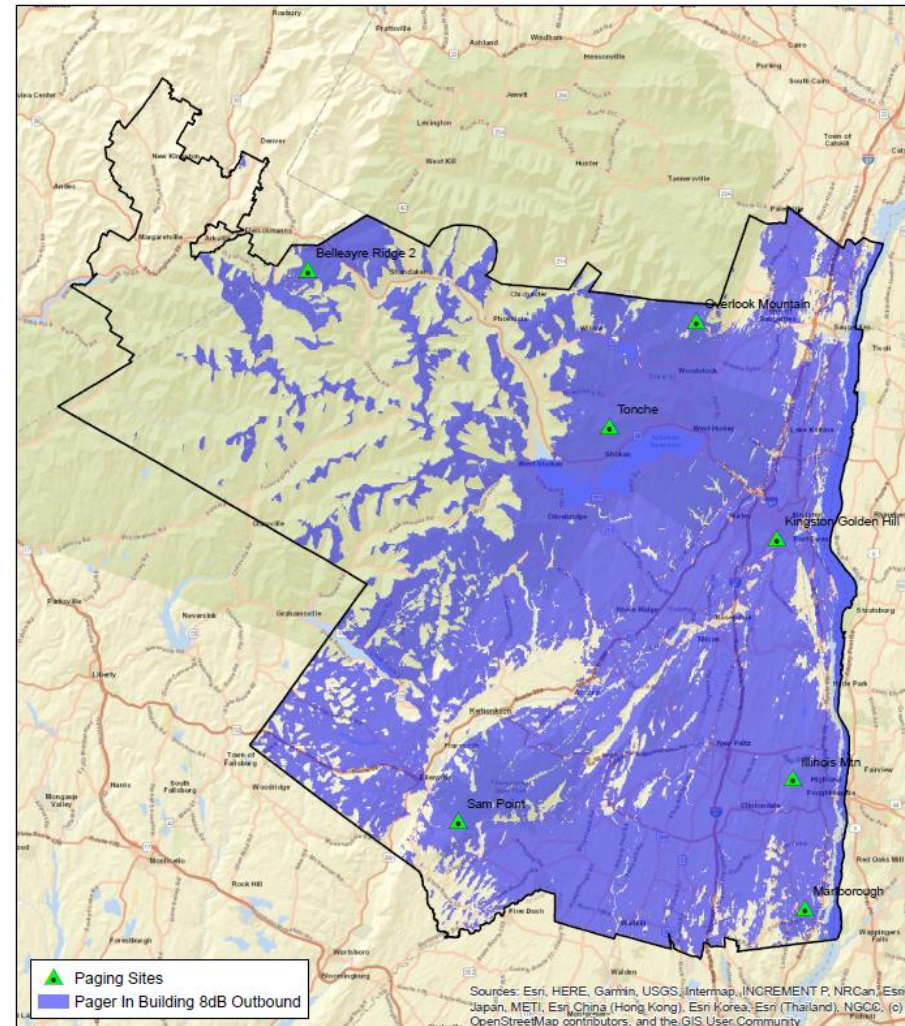


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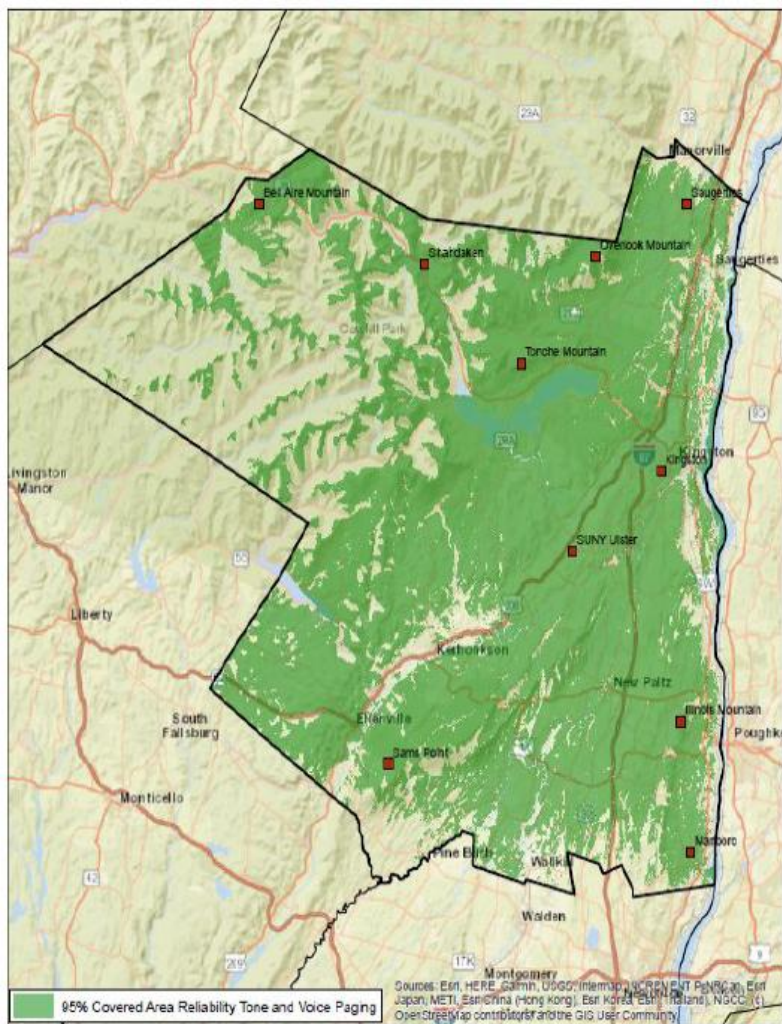


Proposed

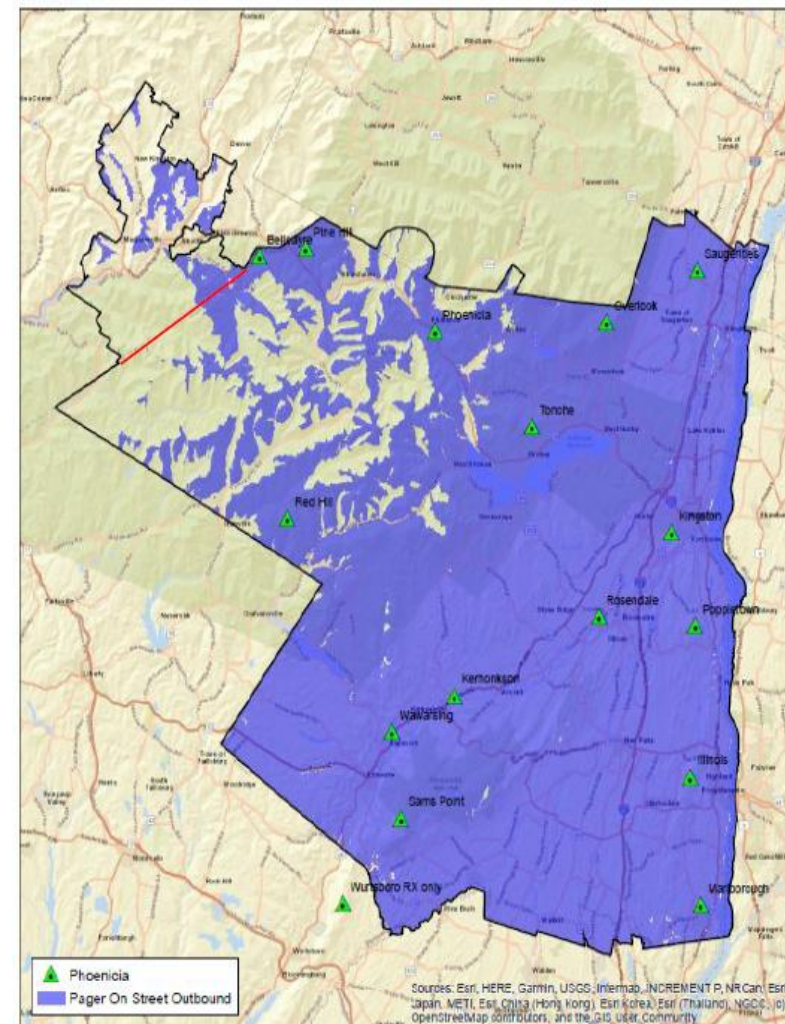
Existing Paging Coverage



System Coverage – Paging



Contracted



Proposed



Motorola Equipment

Chris Meyer

Regional Sales Manager

▶ Contracted in 2019

- 10 Sites Analog/Digital Conventional Radio system
 - 6 Existing Sites
 - 4 New Sites
- Logging Recorder
- 500 Mobile Radios
- 1,500 Portable Radios

▶ Proposed Upgrade

- 16 Sites Supporting Law Enforcement, Fire/EMS and Paging
 - 10 Existing Sites
 - 6 New Sites
- Includes all upgrade hardware and software to upgrade 2019 contracted sites to the latest revision
- National Interoperability Infrastructure

Proposed Equipment for GOC

▶ Contracted in 2019

- 12 Vesta 911 Call Handling Positions
 - Implemented 11/2023
- 12 Radio Consoles
 - Implemented 3/2024

▶ Proposed

- 9 Additional Vesta Positions
 - Upgrade for all Vesta Positions
- Additional 9 Radio Console Positions
 - Upgrade all consoles to new AXS console platform

- ▷ **Proposed**
 - 2 Vesta 911 Call Handling Positions
 - 11 multiband radios with antenna and coax line
 - All installation hardware, equipment and systems integration

QUESTIONS?





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