



FirstNet[®]



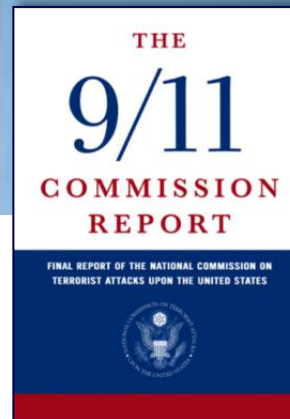
FirstNet Project

Briefing for House Energy & Technology Committee

Working together to bring next generation technology to Public Safety Entities



For Public Safety



The First Responder Authority (FirstNet) was created in 2012 - FirstNet has the mission to ensure the building, deployment and operation of the first high-speed, nationwide wireless broadband network with spectrum *dedicated to public safety.*

Vermont Public Safety Broadband Commission



- VT PSBC formed by executive order in 2013 to advise on the implementation of the Nationwide Public Safety Broadband Network (NPSBN) in Vermont.
 - Fire, Police, EMS and key organizations are represented on the PSBC.
 - The Vermont Dept. of Public Safety provides direct support for the FirstNet program.
 - SLIGP 1.0 funds (State and Local Implementation Grant Program) provided funds for specific planning activities in preparation for the NPSBN being developed by FirstNet
- VT Fire Chiefs Association
 - Municipal Police
 - Emergency Medical Services
 - VT Department of Public Safety
 - Enhanced 9-1-1 Board
 - VT State Police
 - VT Department of Public Service
 - VT Transportation
 - Commerce & Community Development

Vermont Public Safety Broadband Commission



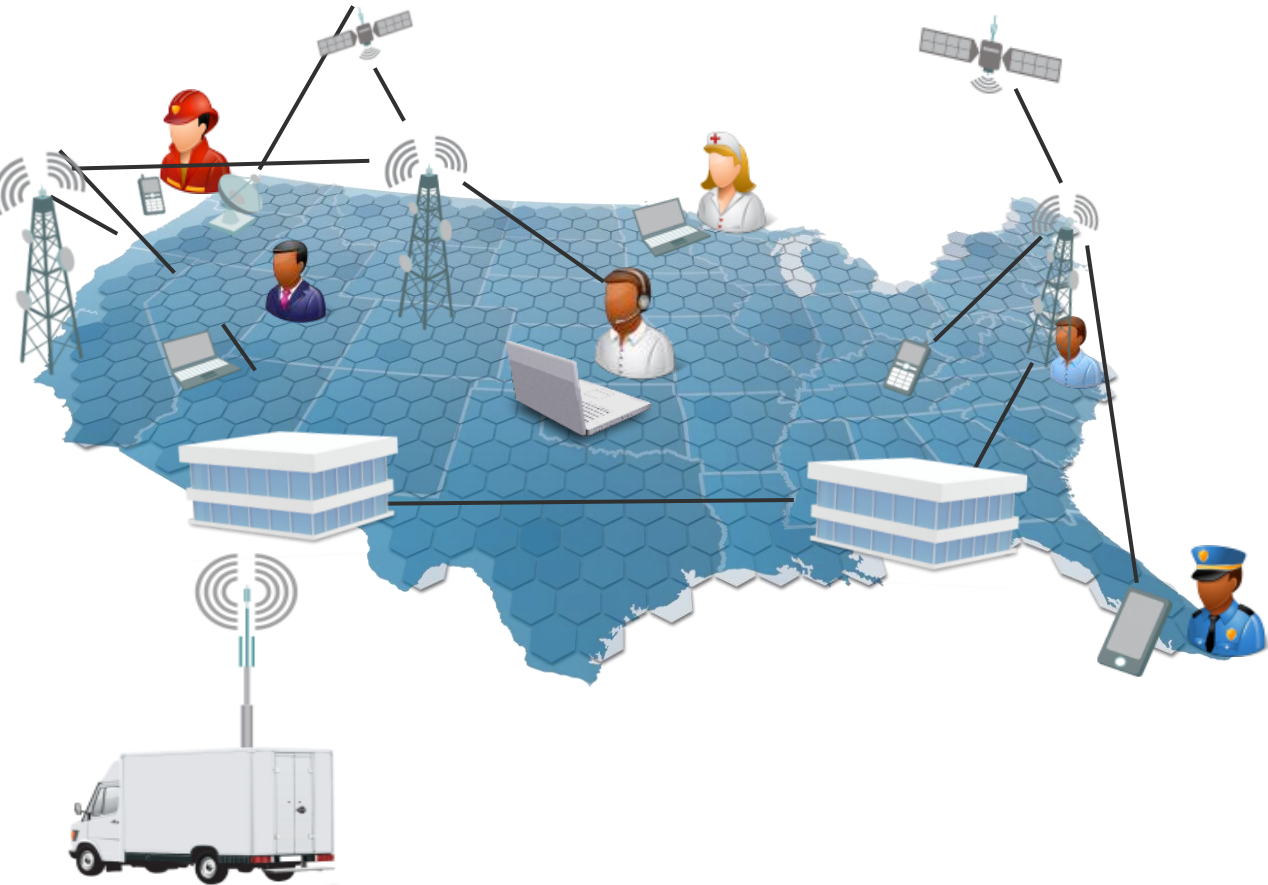
- **Terry LaValley**, Single Point of Contact (SPOC), Chair, Department of Public Safety
- **Chris Herrick**, Deputy Commissioner, Department of Public Safety
- **Steven Locke**, Professional Firefighters of V.T., Chief, Burlington Fire Dept.
- **Al Barber**, VT Fire Chiefs Association, Chief, Hinesburg Fire Department
- **Ron Kumetz**, VT State Firefighters Association, Alburgh Vol. Fire Dept.
- **Dan Manz**, VT Ambulance Association, Vice President
- **Douglas Johnston**, Chief, Springfield Police Department
- **Thomas Hango**, Captain VSP Emergency Comm. Commander
- **Jim Porter**, Department of Public Service, Director, Public Advocacy
- **Barb Neal**, E 9-1-1 Board, Executive Director
- **Robert White**, Agency of Transportation, Senior Manager
- **Frank Costantino**, Agency of Digital Services, ERP Tech Services Director
- **Ken Jones**, Agency of Commerce & Community Dev., Economic Research Analyst

Ongoing outreach to public safety community.

Since 2013, more than 2,000 first responders reached through face-to-face meetings & events; PSBC contacts through direct mail & electronic communication.

FirstNet / AT&T proposal

\$7 Billion of Federal funding to build an enhanced cellular network and upgrade for 25 years

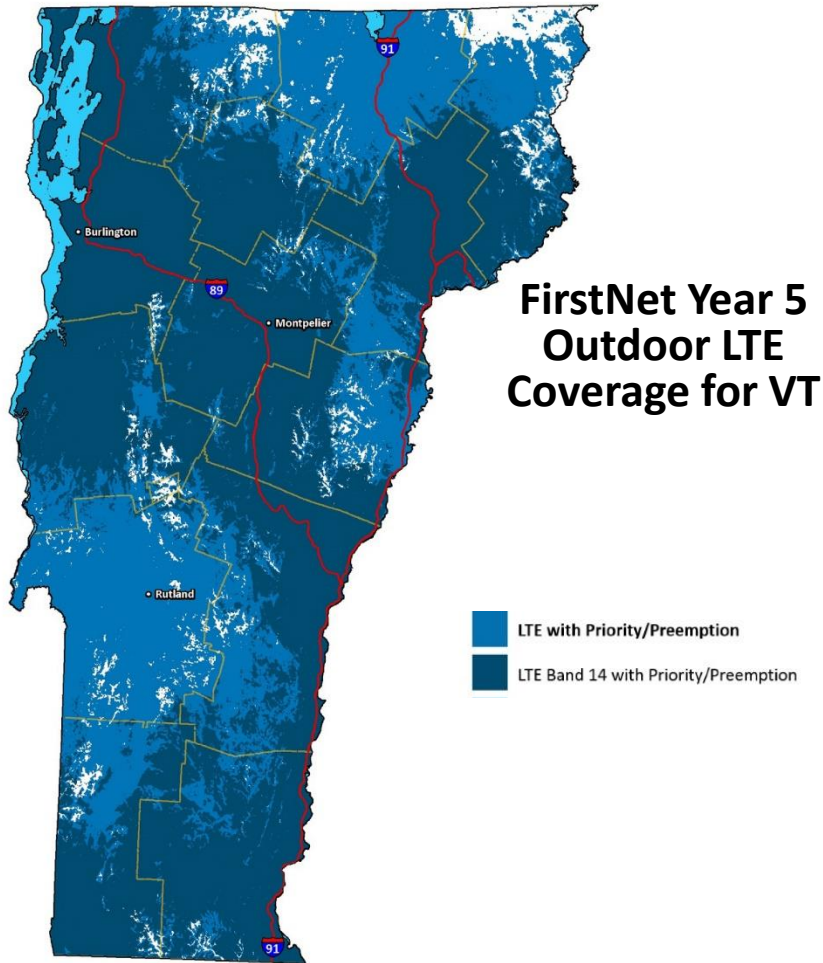


- Competitively bid contract signed in March 2017 between FirstNet and AT&T to construct the network for Public Safety using AT&T channels and **D-Block 700 MHz** spectrum (Band Class 14)
- Network designed to minimize risk, increase speed for deployment and meet public safety unique needs
- Voluntary use by agencies who will pay **monthly user fees** consistent with current commercial models

FirstNet Contract with AT&T



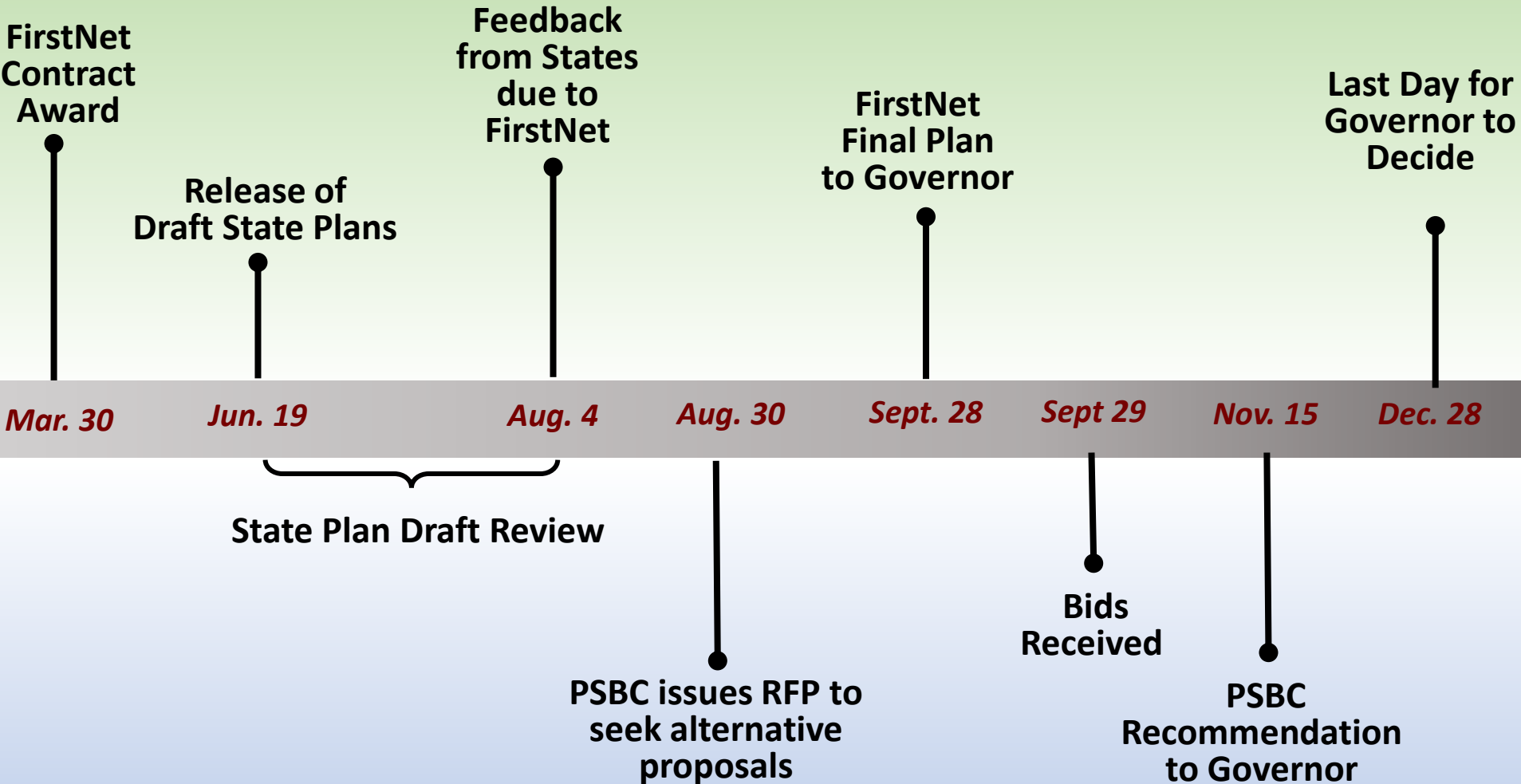
- FirstNet will provide 20 MHz of high-value spectrum & \$6.5 billion over next 5 years for network build-out
- AT&T will spend \$40 billion over the 25-year contract life to build, deploy operate & maintain the network
- AT&T will connect FirstNet users to their state and national telecom network
- AT&T will provide priority and pre-emption abilities for FirstNet subscribers as the network is developed—priority is granted immediately and pre-emption abilities to be offered by early 2018
- AT&T is allowed to lease wireless services to traditional consumer customers on a secondary basis, behind public-safety prioritized traffic, while utilizing FirstNet spectrum
- AT&T will face financial penalties from FirstNet if public safety users do not subscribe to the system at targeted levels



FirstNet's network architecture uses existing communications assets to rapidly deploy services to public safety users in Vermont. The initial build-out is over five years with ongoing improvements planned.

- 98.6 percent of Vermont's population
- 95.3 percent of Vermont's geography

Review of FirstNet Proposal



Where Are We Now: Next Steps

Under the Act, the Governor has until Dec. 28 to choose whether to:

1. Accept and Participate in the FirstNet proposal (Opt-In); or
2. Commit Vermont to Build a State-wide Broadband Network (Opt-Out); or
3. Do Nothing (Opt-In)

FirstNet will be built. The decision is whether FirstNet or Vermont will build the network in this state.

What are the costs to opt-in or opt-out?

Opt-In

- No cost & no obligations to states
- FirstNet covers all costs for the build-out, maintenance & operation
- Public Safety members have immediate priority access to the AT&T network
- AT&T responsible for attracting public safety subscribers & paying fines associated with inadequate public safety numbers

Opt-Out

- State must fully fund program – NTIA construction grant only partly covers build-out cost
- State assumes all risks & must meet public safety adoption numbers or pay fines
- State must pledge its full faith & credit to fulfill obligations for 25 years
- State must complete series of stringent legally mandated steps to win plan approval from FCC, NTIA & FirstNet
- State responsible for Spectrum Manager Lease payments to FirstNet

What states & territories have opted in?

- Virginia
- Wyoming
- Arkansas
- Kentucky
- Iowa
- New Jersey
- West Virginia
- U.S. Virgin Islands
- New Mexico
- Michigan
- Maine
- Montana
- Arizona
- Kansas
- Nevada
- Hawaii
- Alaska
- Tennessee
- Puerto Rico
- Nebraska
- Maryland
- Idaho
- Texas
- Louisiana
- Minnesota
- Alabama

- Only one state review body has recommended to its governor to opt-out. That state is New Hampshire.

To-date 26 states and territories have opted in to the FirstNet plan. No state has opted out.