



FirstNet Colorado: Project Overview

Prepared for:
2016 Task Force on 9-1-1 Oversight, Outage
Reporting, and Reliability - October 11th, 2016

First Responder Communications

Non-Mission Critical

The Current State

Mission Critical

Commercial LTE Service / Devices



Data

Voice

Land Mobile Radio (LMR) for Public Safety



Voice

Photo Source: Boulder County Sherriff's Office (Permission to use granted)

Non-Mission Critical

The Near-Term Vision

Mission Critical

FirstNet will provide emergency responders with the first nationwide, high-speed, wireless broadband network dedicated to public safety



FirstNet[™] LTE Service / Devices



Data

Voice

**Land Mobile Radio
(LMR) for Public Safety**



Voice

Photo Source: Boulder County Sherriff's Office (Permission to use granted)

FirstNet Legal Overview

Title VI of the Middle Class Tax Relief and Job Creation Act of 2012 ("Spectrum Act")

The First Responder Network Authority (FirstNet) designated as a
Independent Authority under the Department of Commerce/NTIA

Designated \$7 Billion for development of the NPSBN
(\$2 Billion Up Front)

Designated \$135 Million for State & Local Planning

Reallocate the 700 MHz D Block Spectrum to Public Safety

FirstNet Federal-State-Local Structure

First Responder Network Authority (FirstNet)

Responsible for the national effort to implement the National Public Safety Broadband Network (NPSBN)
Appointed board of public and private individuals

FirstNet Colorado (FNC)

- Designated Single Point of Contact (SPOC)
- Responsible for coordinating Colorado's statewide interaction with FirstNet
 - Staff resides in OIT

FirstNet Colorado Governing Body (FNCGB)

- Comprised of local, state and tribal public safety stakeholders
- Oversee FirstNet Colorado staff activities and ensure Colorado's interests are served

Local
Jurisdiction

Local
Jurisdiction

Local
Jurisdiction

Local
Jurisdiction

FirstNet Colorado Governing Body

Strategically guides the FirstNet State Consultation process and possible implementation of the FirstNet Network or an alternative solution. Also provides general oversight and direction of the State and Local Implementation Grant Program (SLIGP) activities in Colorado.

Business Plan Working Group

Made up of agency executives, elected officials, and other key decision makers statewide who are responsible for reviewing FirstNet governance, finance and other matters related to State Plan and Alternative Radio Access Network (RAN) development.



Technical Working Group

Made up of technical subject matter experts and other stakeholders statewide who are responsible for reviewing FirstNet RFP, State Plan and other technical documentation related to NSPBN implementation and Alternative Radio Access Network (RAN) development.



Operational Working Group

Made up of operational subject matter experts and other key stakeholders statewide who are responsible for understanding the operational benefits of a dedicated broadband network and the technologies essential for public safety data sharing and communication.



Legal Working Group

Made up of legal professionals representing county, municipal, tribal and state interests tasked with assessing federal, state and local statutes as it relates to governance, asset sharing and other regulatory matters.



FirstNet
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FirstNet Colorado Governing Body

 <p>Chief Eric Tade Chair</p>	 <p>Councilman Bob Fifer Vice Chair</p>	 <p>Paula Creasy</p>	 <p>Sheriff Chad Day</p>	 <p>Kathi Gurule</p>
 <p>Deputy Chief Mark Krapf</p>	 <p>Chief Randy Leshar</p>	 <p>Councilwoman Regina Lopez- Whiteskunk</p>	 <p>Lyle Moore Jr. MPH, REHS</p>	 <p>Don Naccarato</p>
 <p>Chief Joe Ribeiro</p>	 <p>Commisioner Kathy Chandler - Henry</p>	 <p>Brian Shepherd</p>	 <p>Joel Estes</p>	 <p>9 Carl Stephens</p>

Where is FirstNet today?

- National RFP responses Submitted May 31st
 - 3 Confirmed bids: Rivada Mercury, AT&T, pdvWireless
 - Award expected late 2016
- State Plan draft expected spring 2017
- Governor's Decision fall 2017
- Carrier-centric single nationwide approach
- No ability to customize plan based on local, tribal, and state specific needs
- Nationwide solution will be service based model just like current commercial carriers



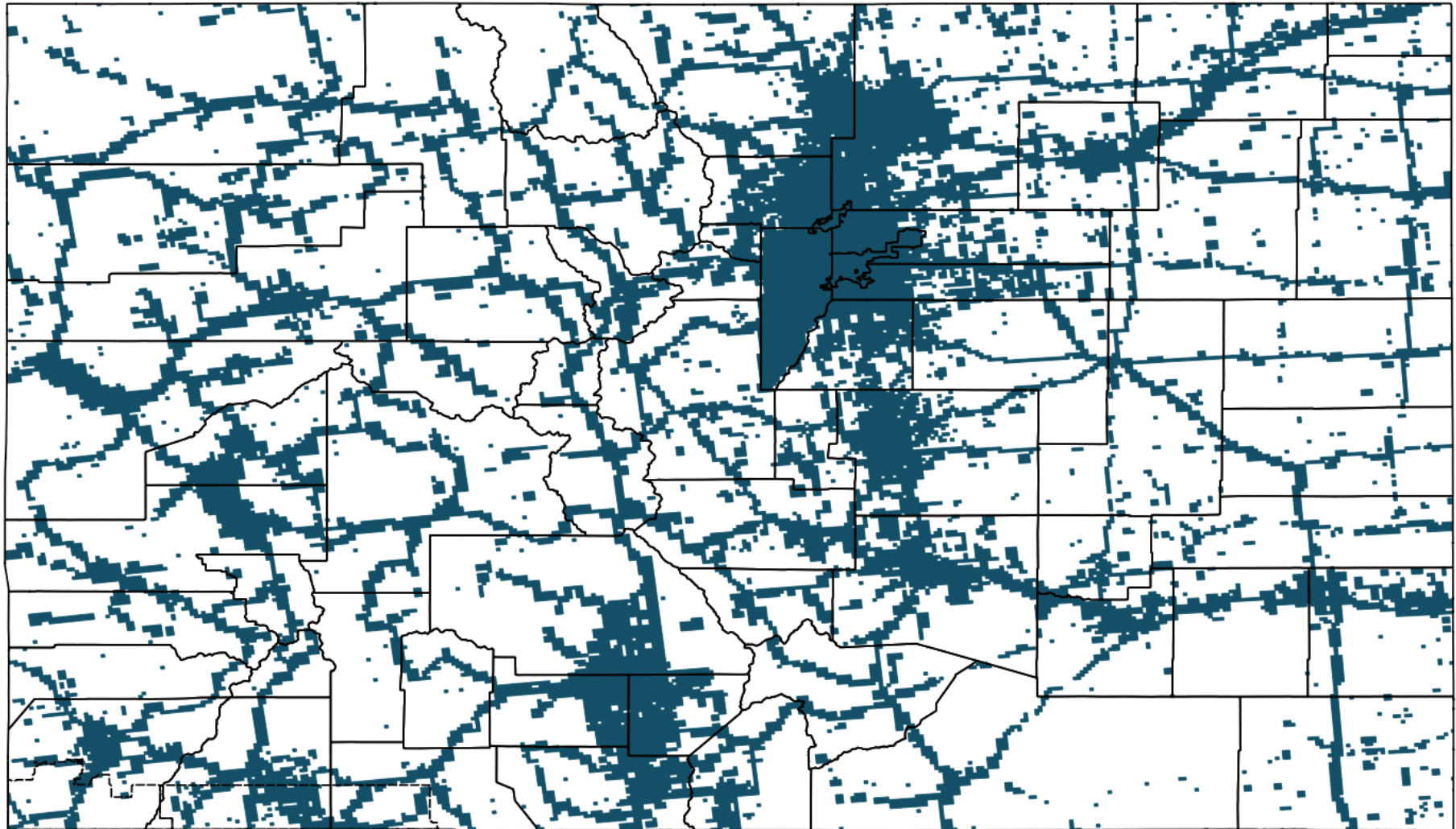
FirstNet Colorado Outreach Summary

- Focused on local engagement
 - Initial education and creating a uniform conversation
 - Understanding the technology
 - Technical training sessions
 - Identifying needs and requirements
 - Determining what's possible
- Engagements to date
 - 324 events
 - 6179 individuals engaged
 - All 64 counties and both tribes



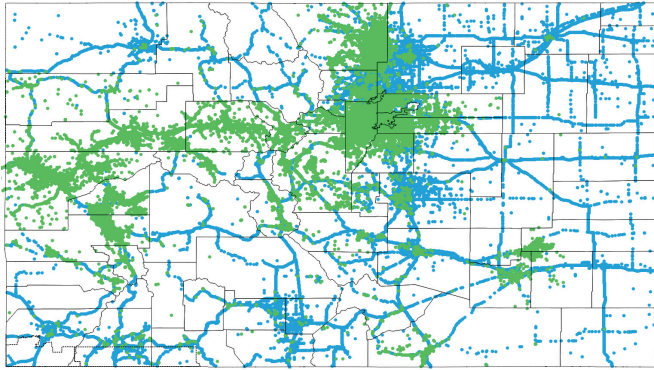
Colorado Coverage Specification

FirstNet Proposed Coverage (Source: FirstNet)

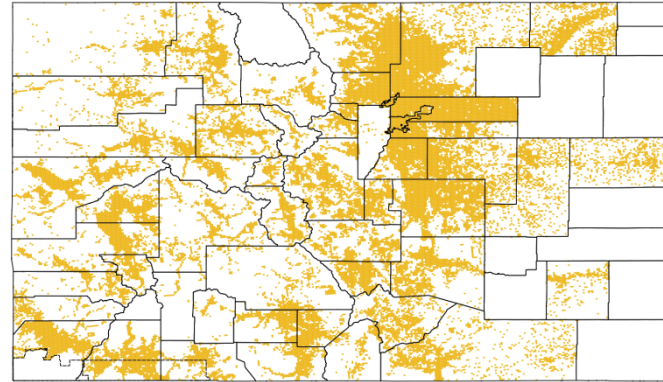


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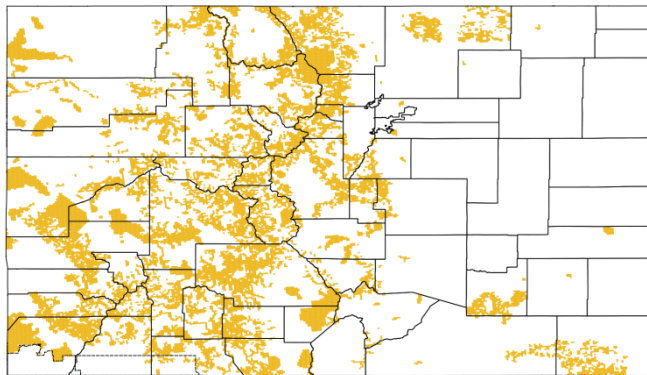
Colorado Data Sets (1/2)



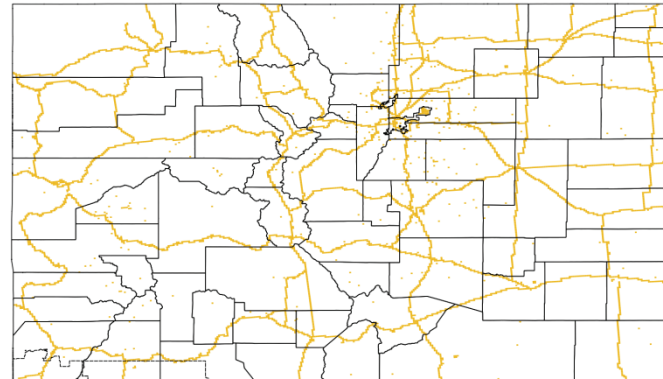
First Responder Incidents



Civic Addresses



Recreational Areas

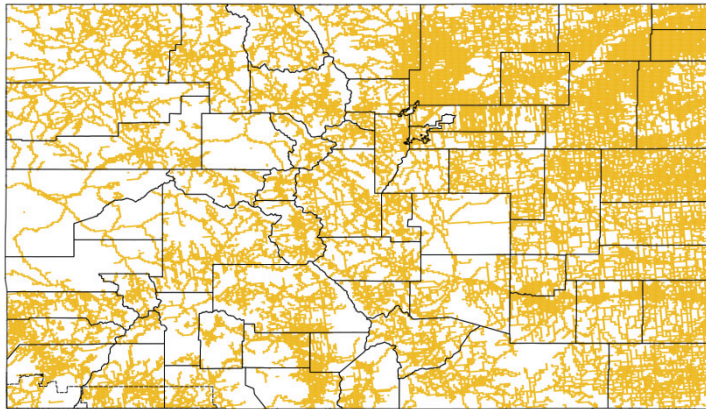


Transportation Infrastructure

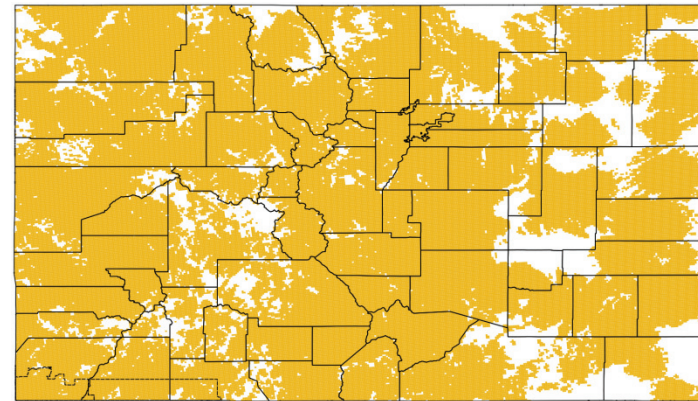


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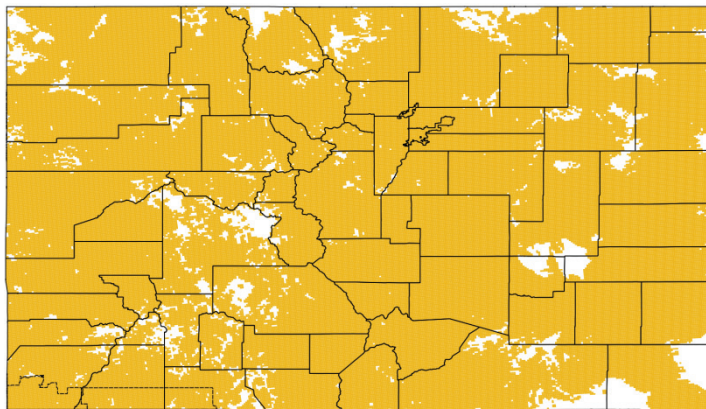
Colorado Data Sets (2/2)



National, State and
County Roads



Portable DTR Coverage (*Both In and Out*)

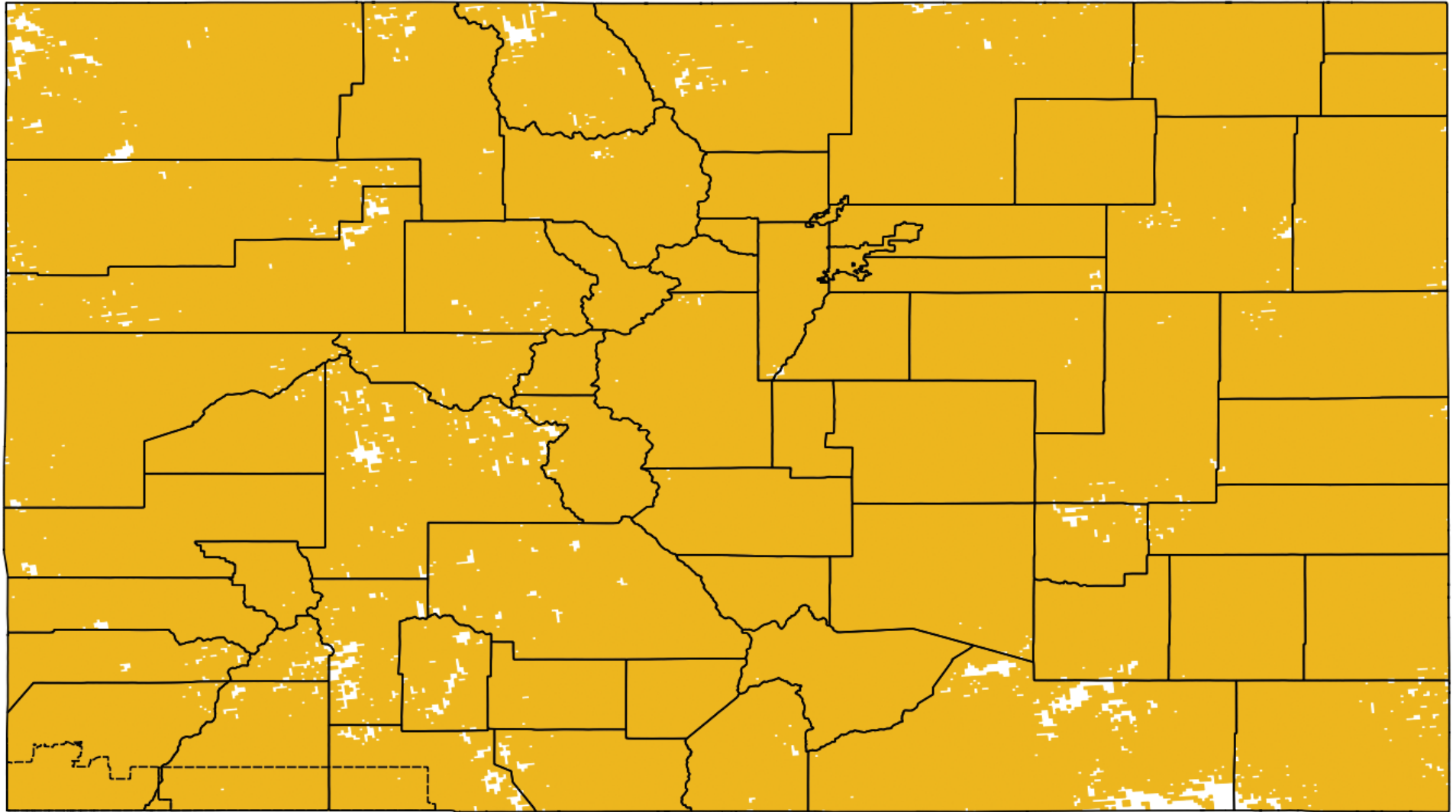


Mobile DTR Coverage (*Both In and Out*)



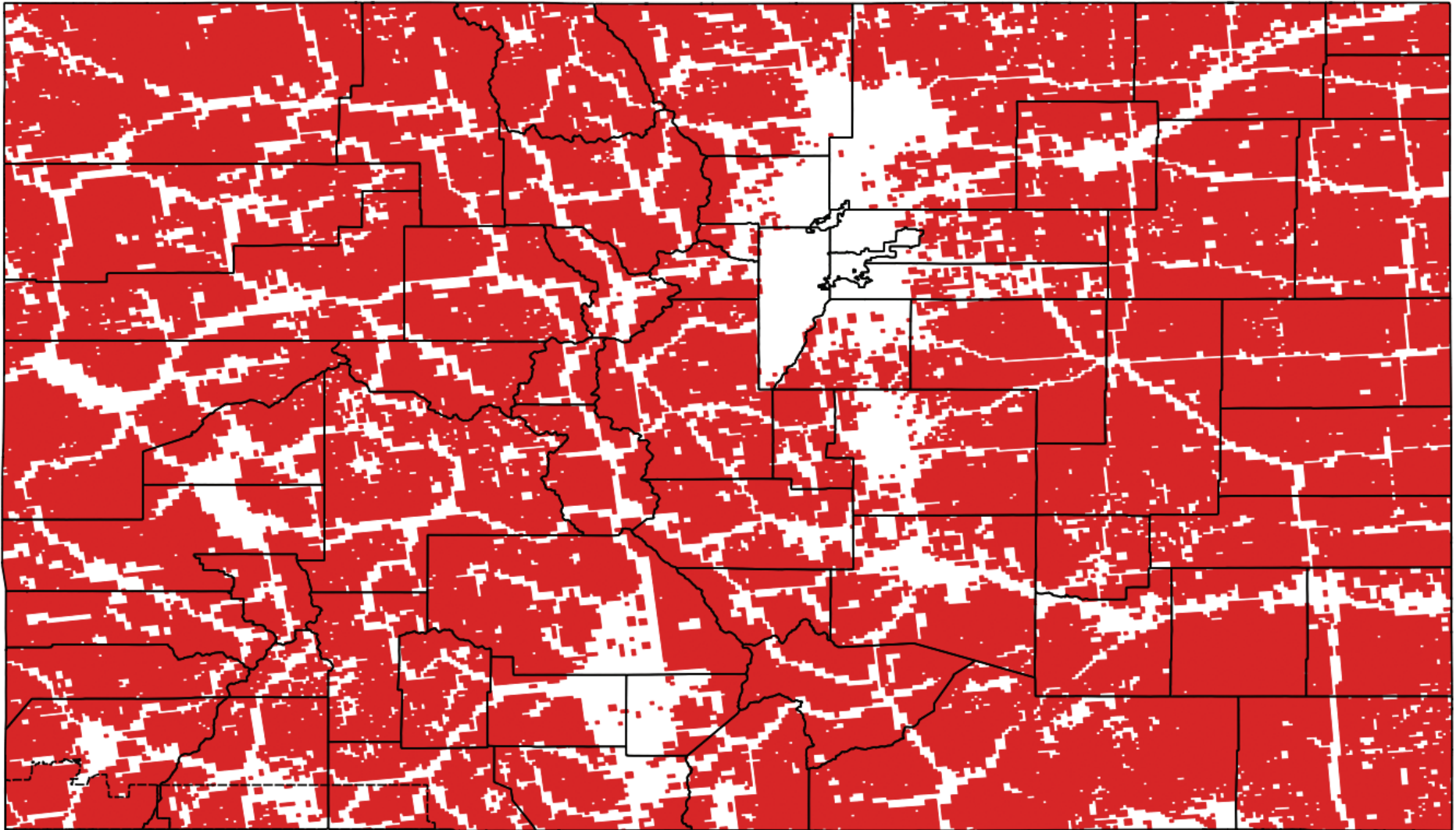
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Colorado Required Coverage (Composite)



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Difference - Areas requiring coverage



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www.FirstNet.gov

Visit us at www.FirstNetColorado.org

The screenshot shows the homepage of the FirstNet website. At the top left is the FirstNet logo with the tagline "First Responder Network Authority". A navigation menu includes Home, FirstNet Board, The Network, Consultation, Newsroom, Resources, About, and Contact. The main banner features a collage of emergency responders and the text "Working for our nation's first responders" with a sub-headline: "Law enforcement officers, firefighters, paramedics, and other public safety entities need a dedicated nationwide wireless broadband network. Read more." Below the banner are sections for "Doing Business With FirstNet" (with a "Learn More" button), "What is FirstNet?" (with a "Learn More" button), "Current Events" (listing dates and events like "NAEMS Physicians 2016 Annual Meeting"), a "2016 Consultation Progress Map" with a "CLICK ON ANY STATE OR TERRITORY FOR MORE INFORMATION" instruction, and a "Tweets" section.

The screenshot shows the homepage of the FirstNet Colorado website. It features the "FNC Colorado" logo and a search bar. The navigation menu includes Home, Why FirstNet Colorado?, Consultation Process, The Network, News, Resources, FAQ's, About Us, and Links. A prominent blue banner reads: "Public safety entity? We need YOU. Help us gather critical public safety broadband information – participate in the FirstNet Colorado (FNC) Data Collection process." Below this are three buttons: "Learn more about FNC's Data Collection", "In a hurry? Please fill out the short form", and "Have some time? Please fill out this form". A large image of a mountain landscape contains the text: "The First Responder Network Authority will be the first high-speed wireless, broadband data and cellular voice network dedicated to public safety." A red circular button says "See our Video Library to learn more". At the bottom, there are icons for "ADCOM 911 Public Safety Broadband Network", "Newsletter Subscription", "Public Safety Apps", "VoIP/BC LTE Demo Network", and "RFP & Public Notice Responses".

Newsletter

The screenshot shows an issue of the FirstNet Colorado newsletter, dated October 2015. The header includes the "FNC Colorado" logo and the tagline "Cutting Edge Communications for Colorado". The main article is titled "Data! I Can't Make Bricks Without Clay!" and discusses the agency's data collection efforts. A red button below the article says "Data Submission Webinar Dates and Call-In Information". Another article is titled "Security First" and mentions a cyber security response. A sidebar on the right lists "In This Issue:" with items like "Data! I Can't Make Bricks Without Clay!", "Security First", "SPOCtoberfest!", "Help Wanted!", and "Meet Chief Joe Ribeiro...". It also includes buttons for "Request Presentation" and "Event Calendar", and social media icons for Facebook, Twitter, and YouTube.

The screenshot shows a Twitter profile for FirstNet Colorado (@FirstNetCO). The profile picture and header image feature the "FNC Colorado" logo and the text "FirstNet Colorado". The bio states: "Leading Colorado's efforts to plan, develop and support deployment of the National Public Safety Broadband Network (NPSBN) in partnership with FirstNet." The location is listed as "Colorado" and the website as "FirstNetColorado.org". There are 29 photos and videos. A large blue button says "Click here and follow us on twitter >". The right sidebar shows a list of tweets and a "Trends" section for "Change" and "Apple event".

A nighttime photograph of a city skyline with several illuminated skyscrapers against a dark blue sky. The buildings are lit up with warm yellow and white lights, creating a vibrant urban scene.

FirstNet Colorado Team

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Contact Us