FirstNet Update

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Joint Committee on Information
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FirstNet Update

▶ FirstNet Overview

▶ FirstNet National Outlook

▶ State of Oregon Outlook

▶ Oregon Commitment Accomplishments (State Plan)

▶ Looking to the Future

FirstNet Overview: Background

▶ The FirstNet Authority was established in light of 9/11 to lead the creation of a dedicated nationwide broadband network using spectrum set aside for the public safety community (Band 14).

▶ Through a combination of government, commercial, and public safety partnerships, we are committed to delivering a network and supporting ecosystem of apps, devices, and capabilities that are innovative, reliable, accessible and secure.

▶ By modernizing public safety communications with our partners, we can help responders keep America safe—every day and in every emergency.

▶ To learn more, visit FirstNet.gov

FirstNet Overview: Governance

FirstNet Authorized Users

- 9-1-1/Emergency Communications
- Emergency Management
- EMS
- Extended Community
- Federal Users
- Fire Service
- Law Enforcement
- Tribal Nations

Public Safety Advisory Council

The PSAC associations' combined membership reaches approximately 6 million public safety personnel

FirstNet Board

Consultation

FirstNet Overview: Core Services Domains

CORE

- Generational Updates (e.g., 4G to 5G)
- Priority and Preemption, including Uplift on 5G
- Mission Critical Services Platforms and Enablers on 5G
- Network Security on 5G

COVERAGE

- Outdoor Coverage Expansion
- Indoor Coverage Expansion
- Unique Coverage Solutions Advancement

SITUATIONAL AWARENESS

- Locate and Present Personnel Location
- Location Services Integration

VOICE COMMUNICATIONS

- Operationalize FirstNet Push-to-Talk
- Active Role in Standards
- Critical Features

SECURE INFORMATION EXCHANGE

- Database Integration
- Application Integration

USER EXPERIENCE

- Mission-Enabling Applications
- Mission-Capable Devices

FirstNet: National Outlook

FIRSTNET.
Built with AT&T

BY THE NUMBERS

The **only** dedicated communications platform in the country that brings first responders:

- **Always-on, 24x7** priority and preemption across voice and data communications
- A physically separate network core **fully dedicated** to public safety
- Government oversight and accountability from the **FirstNet Authority**

Updated 07/24/2024

†As of Q2 2024
'Since the start of the FirstNet Build

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6.1M+ FirstNet connections†
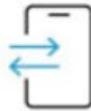
28.5K+ Public safety agencies and organizations subscribed

205+ Apps in the FirstNet App Catalog
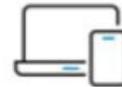
~800 FirstNet Ready® devices

AMERICA'S PUBLIC SAFETY NETWORK

2.97M+ Square miles of coverage

250K+ Square miles more than commercial networks

180+ Dedicated assets, including Flying COWs® and CRDs™
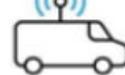
64% Increase in Tribal Land coverage*

1150 Solutions triaged and deployed this year

FirstNet alone is now the 4th largest carrier, displacing US Cellular

FirstNet's total network now encompasses more area nation-wide than any other commercial network

... all that just a few years into a 25-year contract

FirstNet: State of Oregon Outlook

- ▶ Subscribers includes Primary, Extended Primary, Agency-Paid and Sub-Paid FirstNet Users as of 6/30/24. Subscriber concentration depicted is as of 6/20/23.

- ▶ Communities are cities/towns in the state that have at least one agency/organization on FirstNet as of 6/30/24.

- ▶ Agencies are agencies/organizations in the state that have at least one user of FirstNet as of 6/30/24.

Subscriber Concentration

Counties depicted as having fewer or more subscribers relative to other counties in the state only. Counties depicted on a similar map of another state may have fewer or more subscribers than the counties of the same color in this state.

FirstNet Users in All Counties

47K+ Subscribers

160+ Communities

~500 Agencies

- 1 new site build – Ashland, OR – Radier Stadium Southern Oregon University – LTE/5G
- 4 additional sites to go on air in 2024
- Camp Sherman site upgraded to Fiber 8/2024

Legend
Lower
Higher
☆ Salem
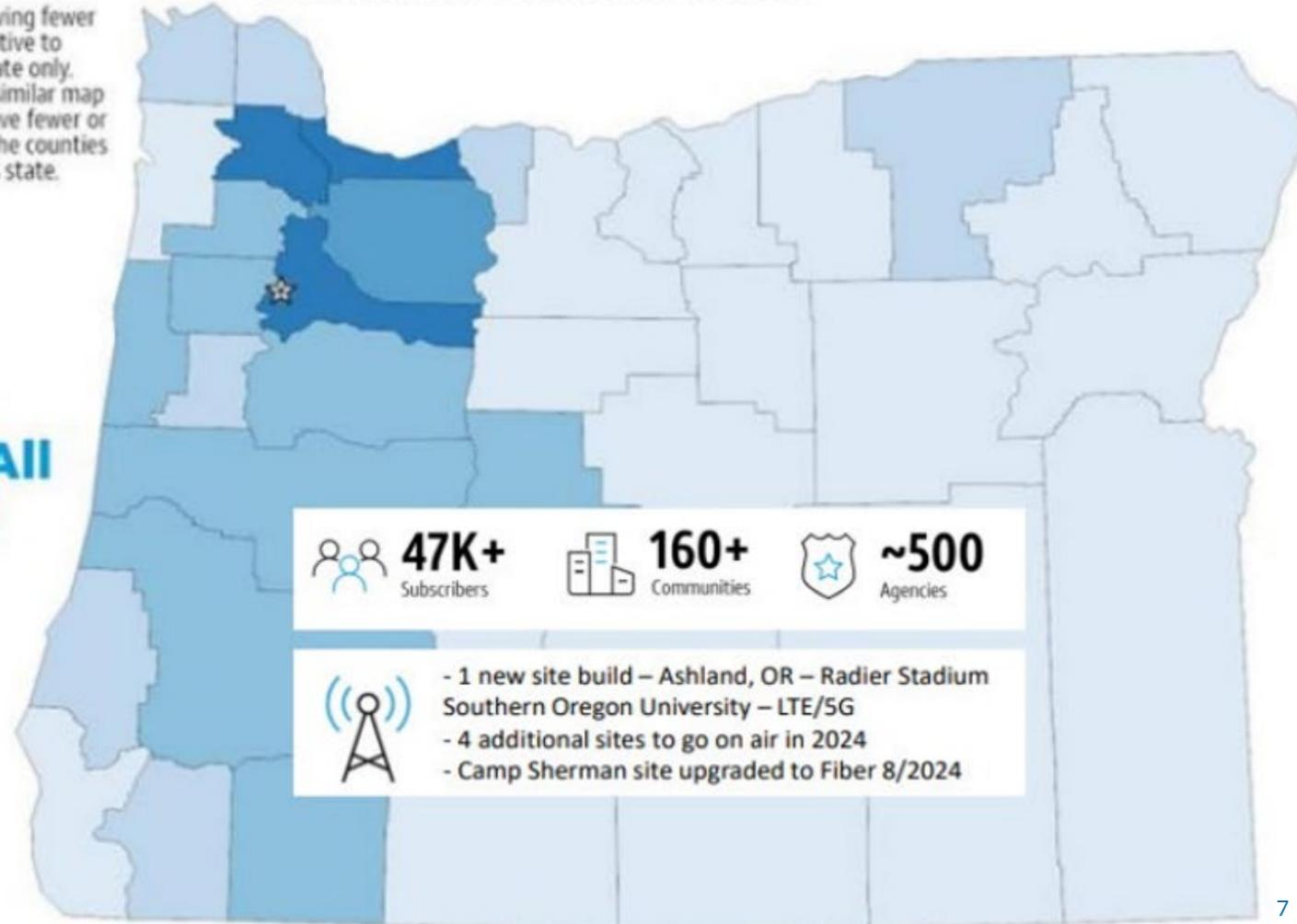
Oregon – State Plan Completion 2023

|		
	Adoption: 35,000+ Connections 363+ Public safety organizations subscribing	
	Radio Access Network Buildout Activities – State Plan 46 sites on air out of 46 target sites	**100% Complete**
	OREGON ADOPTION FIRSTNET. Built with AT&T Extended Primary 43% / Primary 57%	**Primary** • LE, Fire, EMS, Public Safety Answering Points community, State Level Emergency Management, Trauma center staff
		Secondary • Support users, utilities, education, transportation, etc.
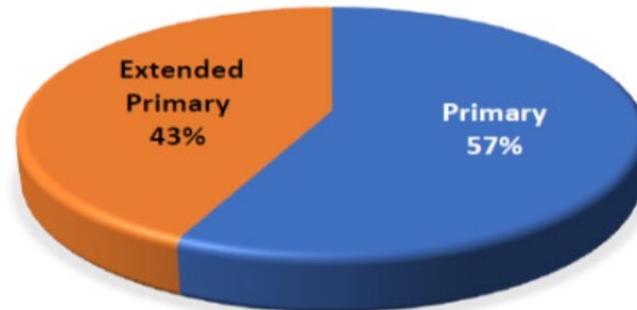
Oregon – as of January2023
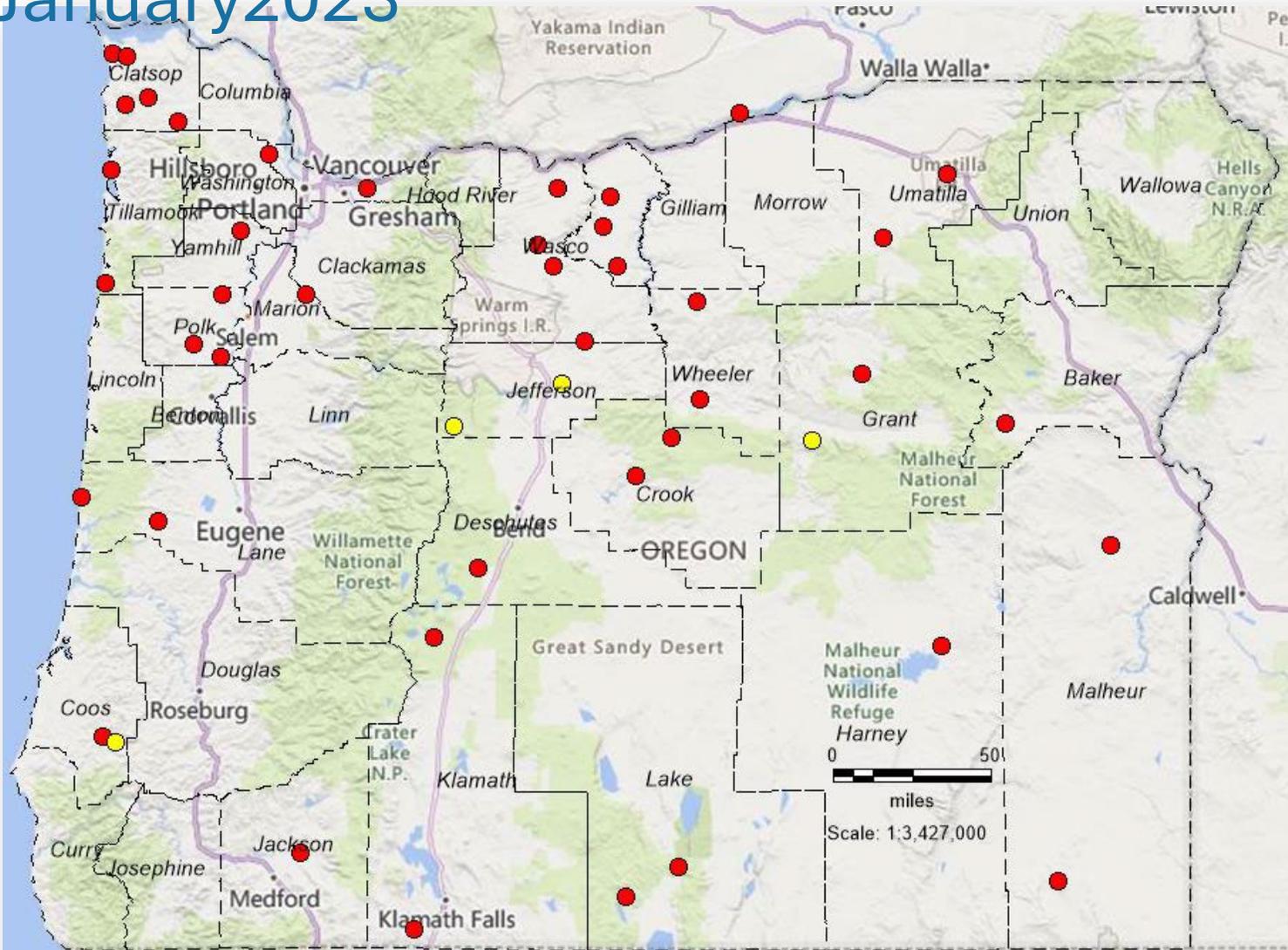
Complete On Air (46)

FirstNet – Oregon Fire Response

Response Operations Group (ROG) in Oregon

Requests for Support
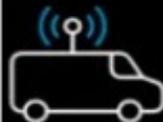
49	in 2024*
39	in 2023
26	in 2022

*January 2 – August 8/13/24

- ▶ 19 wildfire requests through 8/12/24
- ▶ Deployments included:
  - SatColt – Ukiah, Oregon – Battle Mtn Complex Fire
  - SatColt – Seneca – Falls
  - CRD – Richland, Oregon – Town Gulch Fire
  - SatColt – Dorena – Cottage Gove Complex Fire
  - CRD – Days Creek – Dixon Fire
- ▶ Network augmentation:
  - Tygh Valley, Oregon – Wasco County Fair & Rodeo
  - Salem, Oregon – Oregon State Fair

FirstNet Overview: Use Case Example
Law Enforcement
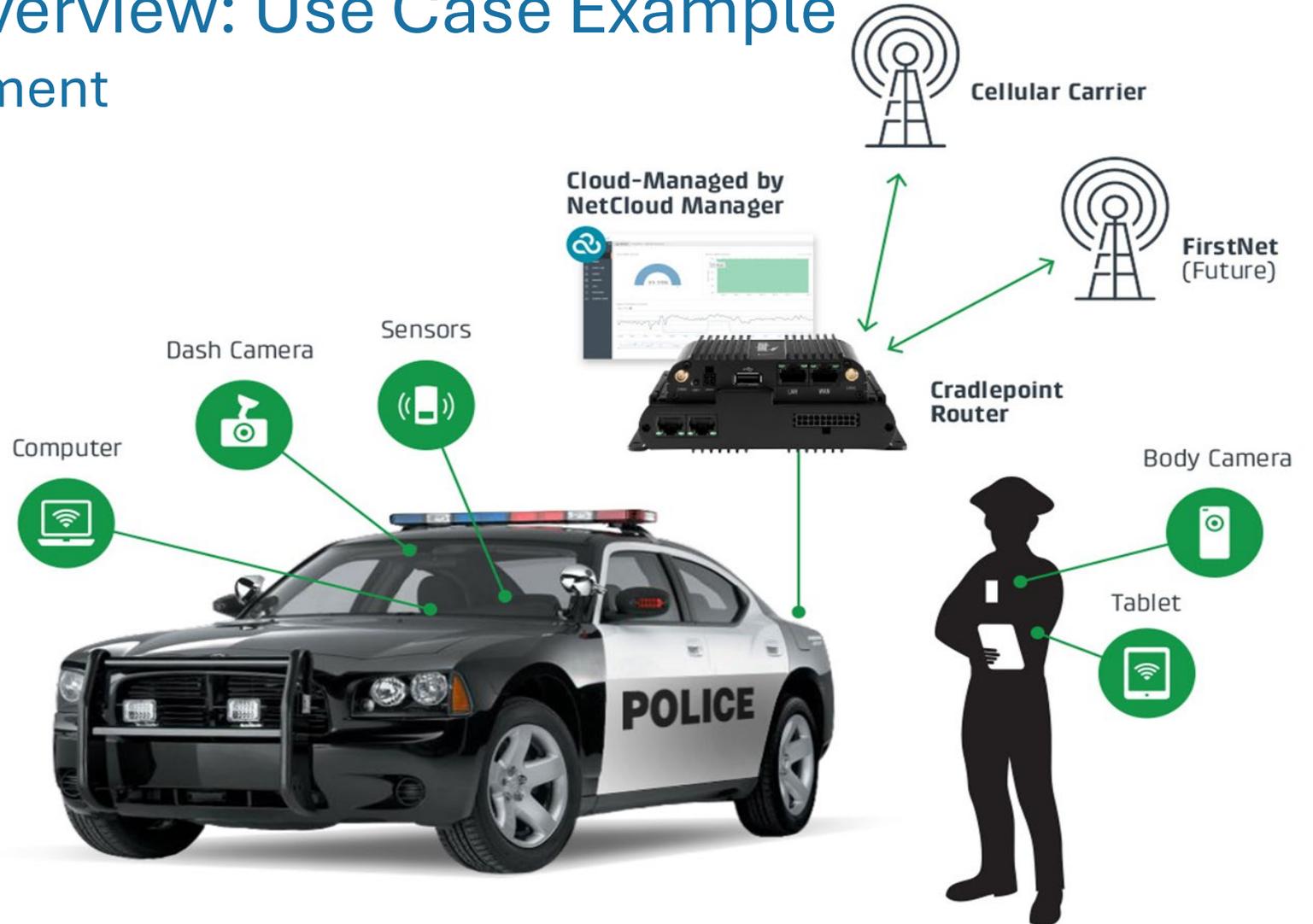
FirstNet Overview: Use Case Example
FirstNet Rapid Response: Cellular Push-to-Talk for Public Safety

▶ **What It Is:**

- A mission-critical Push0to-Talk (PTT solution designed for public safety)
- Uses existing cellular networks, making it easy to deploy without the need for traditional radio infrastructure

▶ **Key Benefits:**

- **Ease of use:** Leverages pre-existing cellular networks, so no need to build out a separate radio system
- **Priority Communication:** High-quality audio with low latency, even during network congestion
- **Group and private calls:** Enables large group calls and one-on-one communication

▶ **Advanced Features:**

- Real-time presence: know who's online
- Location tracking and mapping: See and share user locations with multimedia
- Mutual Aid Talk Groups: Communicate across different agencies

▶ **Why FirstNet?**

- **Exclusive to public safety:** Provides priority access during emergencies, using Band 14 for reliable communication when it matters most
- **Industry-wide availability:** All major cellular providers offer similar services, but FirstNet is specifically for public safety with unique advantages

FirstNet Overview: Use Case Example
FirstNet Rapid Response: Mission Critical Push to Talk (MCPTT)

▶ Adopted 16 standard talk-groups for statewide use for MCPTT

▶ Maintain dedicated cellular deployable gear

▶ FirstNet MCPTT public safety subscribers in Oregon are automatically given access to these 16 talk-groups for statewide mutual aid use

FirstNet – The Next Phase

▶ $6.3 billion investment from the FirstNet Authority is the next phase of FirstNet, reaffirming the country's commitment to the public safety community

▶ An additional 1,000 new sites within the next 2 years

▶ Expand Priority and Preemption on all AT&T 5G commercial spectrum bands in March 2024

▶ Then, create a standalone FirstNet 5G core to enhance current 5G functionality

▶ Expand mission-critical services – voice, video, data and location systems

▶ Upgrade the fleet of public safety's dedicated deployable with 5G connectivity

Thank you

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