



FIRSTNET IN OREGON

FirstNet Overview

February 2016

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Oregon FirstNet Single Point of Contact (SPOC)

SPOC-FNIO-15-01

Additional information, references, and permissions can be found in
Oregon Planning For FirstNet Network Technical Report, SPOC-FNIO-14-01.

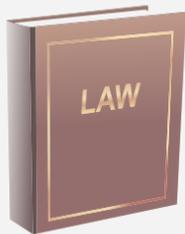
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FirstNet by the Numbers

VISION

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



THE LAW

2.22.12

FirstNet becomes Law
PL 112-96

FUNDING

\$7B



authorized to begin
building the FirstNet network.

Funded by spectrum auctions through 2022.

GOVERNANCE

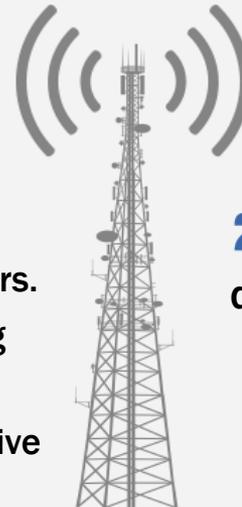


FirstNet Board of Directors' **15** members come from police, fire, sheriff, emergency medical, city government, and commercial telecommunications.

42 member Public Safety Advisory Committee (PSAC) advises FirstNet on public safety intergovernmental matters.

Governor appoints **1** single Point of Contact and governing body to represent the state's interests to FirstNet.

The **23** members of the Statewide Interoperability Executive Council (SIEC) oversee FirstNet activities in Oregon.



20MHz of bandwidth has been dedicated to public safety in the prime **700MHz** frequency range

FirstNet by the Numbers

WHO WILL USE FIRSTNET



Over **5 Million**

Potential FirstNet public safety users nationwide

**Law
Enforcement**

**Fire
Services**

**Medical
Services**

**Federal
Gov't**

**State
Gov't**

Utilities



FirstNet by the Numbers

WHO WILL USE FIRSTNET

FirstNet must provide service in all **50** states, **5** territories, and Washington, D.C., supporting

60,000

Public Safety Agencies

3,144

Counties

567

Tribes

FirstNet by the Numbers

THE COVERAGE CHALLENGE

Fires, earthquakes, and other natural and manmade disasters can happen anywhere.

Urban areas are where most people live, but make up only a small portion of the nation's land mass.

Public safety needs FirstNet service where incidents occur.



Urban

Rural

Wilderness



FirstNet by the Numbers

FIRSTNET NETWORK



To meet this challenge, FirstNet will
deploy a combination of cellular, satellite
and deployable systems

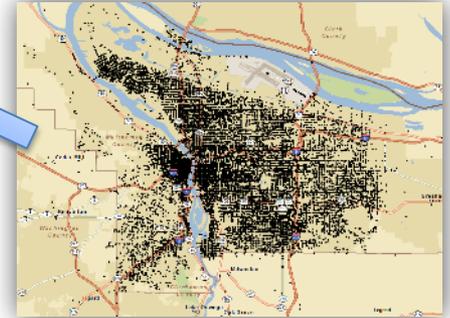
Starting Coverage Objectives Data

1. Public Safety User Population *(Source: HSIP, OEC provided)*

- **Public Safety User Density** based on jurisdiction (OEC data to start)
- **Common response areas (CAD data)** – as it's made available with State collection

2. Public Safety High Risk / Areas of Interest *(Source: HSIP)*

- **Key facilities** – PS agencies, corrections, airports, EOCs, hospitals, PSAPs, schools, etc.
- **Critical infrastructure** – manufacturing, energy, dams, etc.
- **Large Public Venues** – stadiums, theme parks, malls
- **Other major event locations** – if provided with initial consultation submission
- ***Area for feedback** – tourist/recreational destinations (parks, hiking, waterways, etc.)



3. US Population *(Source: 2012 US Census)*

- **Population density**

4. Developed Areas / Buildings *(Source: 2006 National Land Cover Database)*

- **Dense / Medium / Light / Open / None**

5. Roadways *(Source: Federal Highway Administration)*

- **National Highway System**
- **Average Daily Traffic Counts** to identify significant secondary roadways

6. Tribal Land

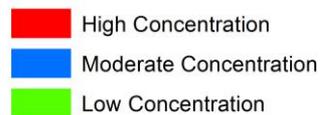
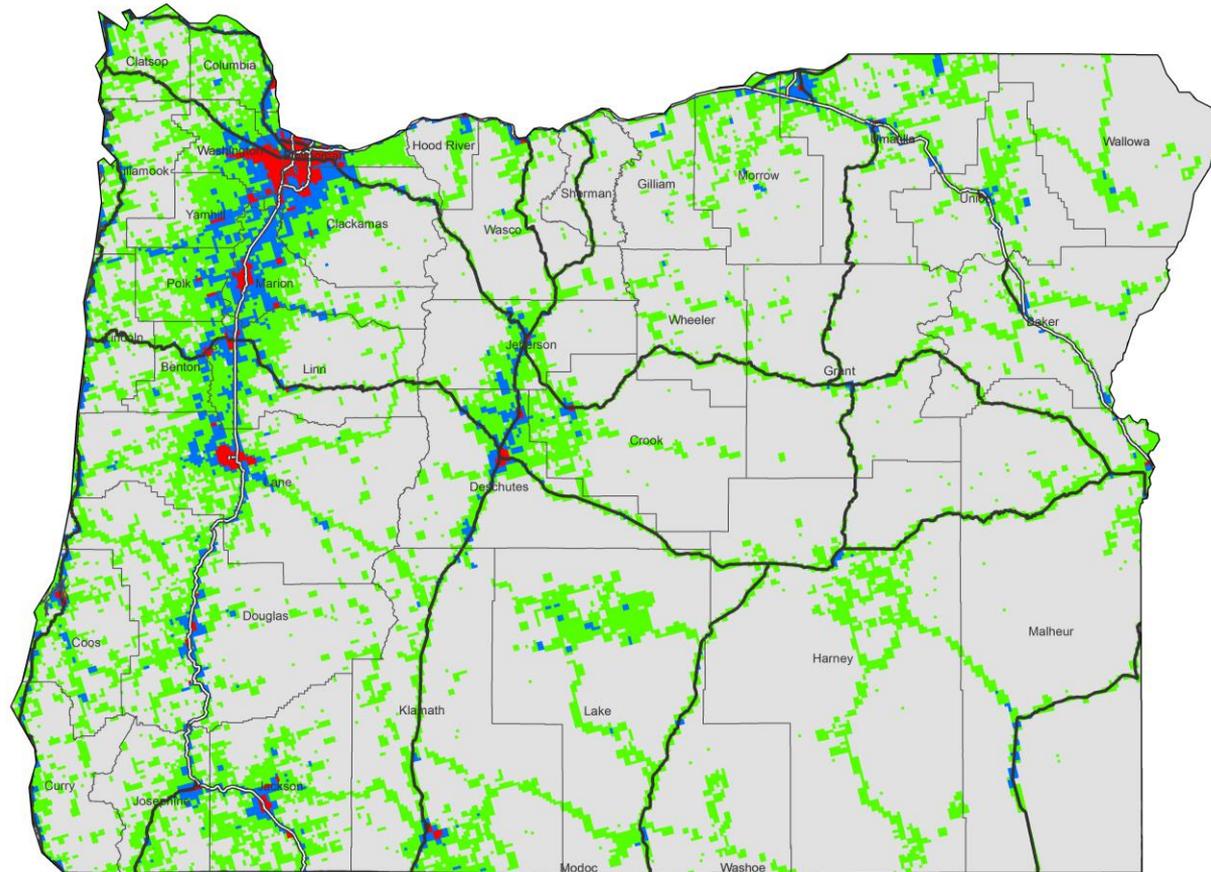
7. Rural Metrics

8. Federal Land



These will be incorporated with additional considerations (i.e. FirstNet Rural milestones) or via separate consultation (i.e. Federal)

Oregon FirstNet Coverage Objectives Baseline



Oregon Primary Data Collection

1. Public Safety Incident Locations

- Collected from PSAPs
- Computer Aided Dispatch (CAD) exported data

2. Public Safety User Feedback

- Webmap tool
- Outreach workshops

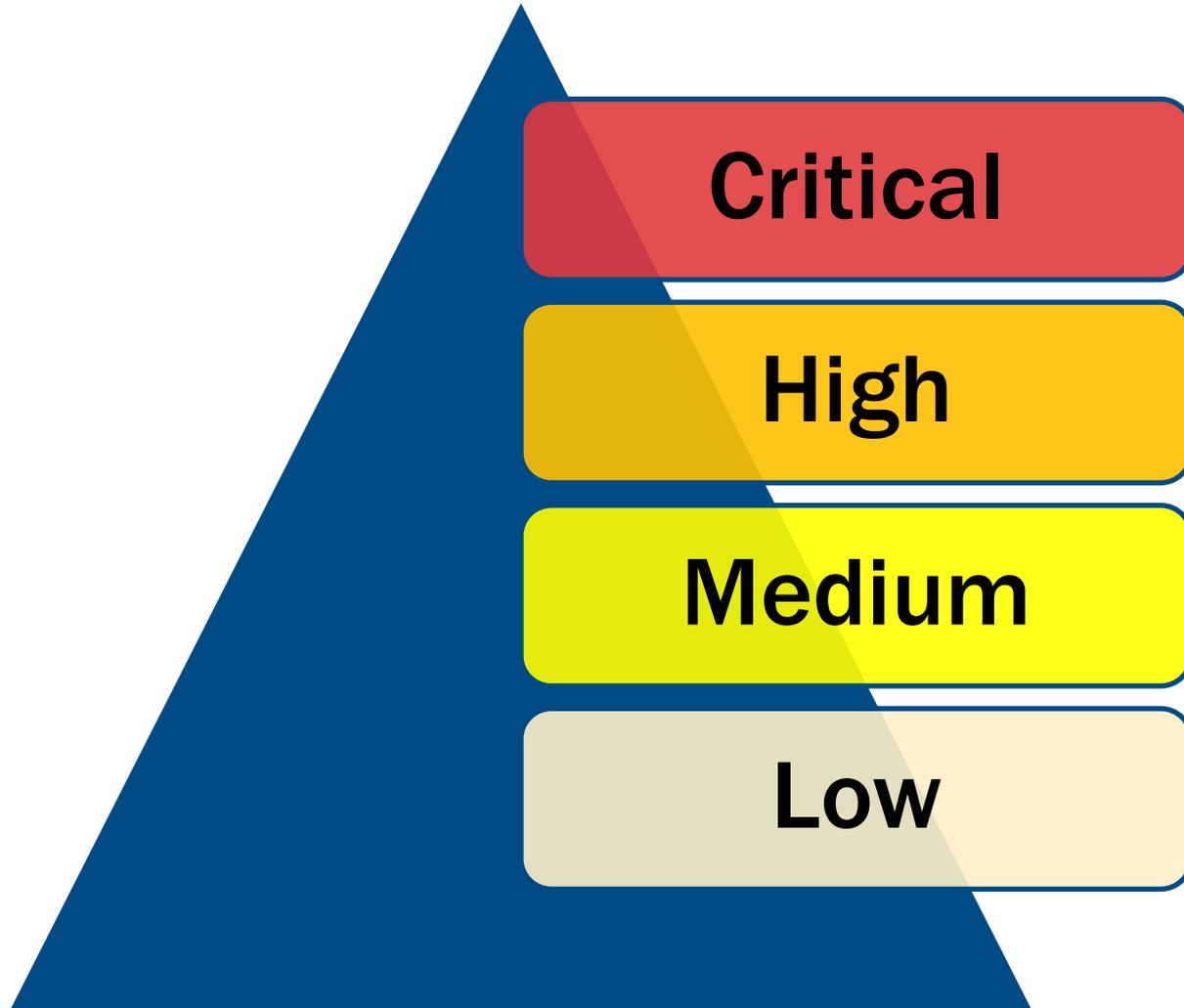
3. Major Events

- Online submission
- Outreach workshops

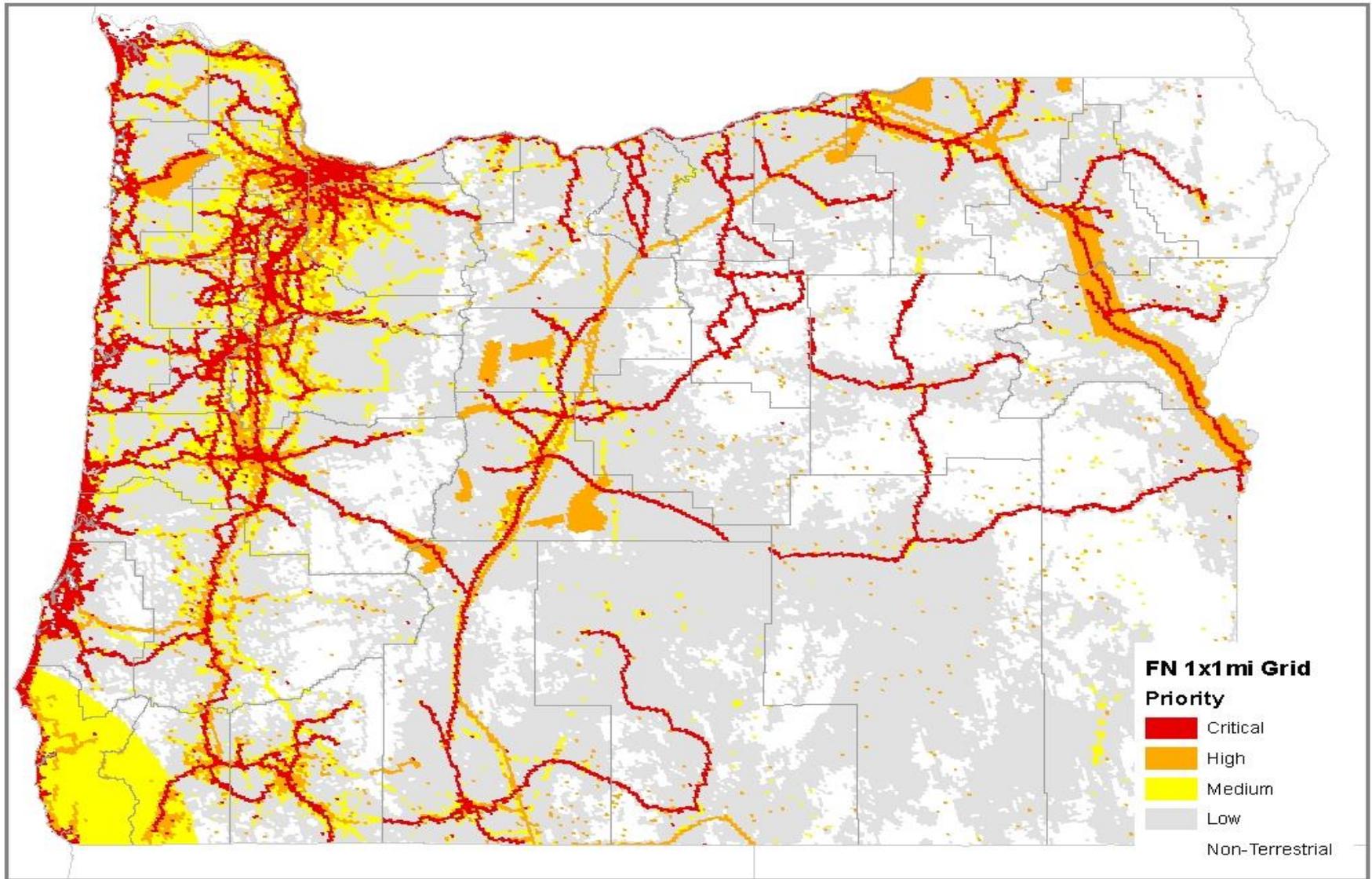
Oregon Secondary Data Collection

- 1. OR Department of Transportation (ODOT)**
- 2. Department of Geology and Mineral Industries (DOGAMI)**
- 3. OR Office of Emergency Management (OEM)**
- 4. OR Department of Forestry (ODF)**
- 5. FBI Homeland Security Infrastructure Program (HSIP)**
- 6. U.S. Energy Information Administration (EIA)**

Data Hierarchy

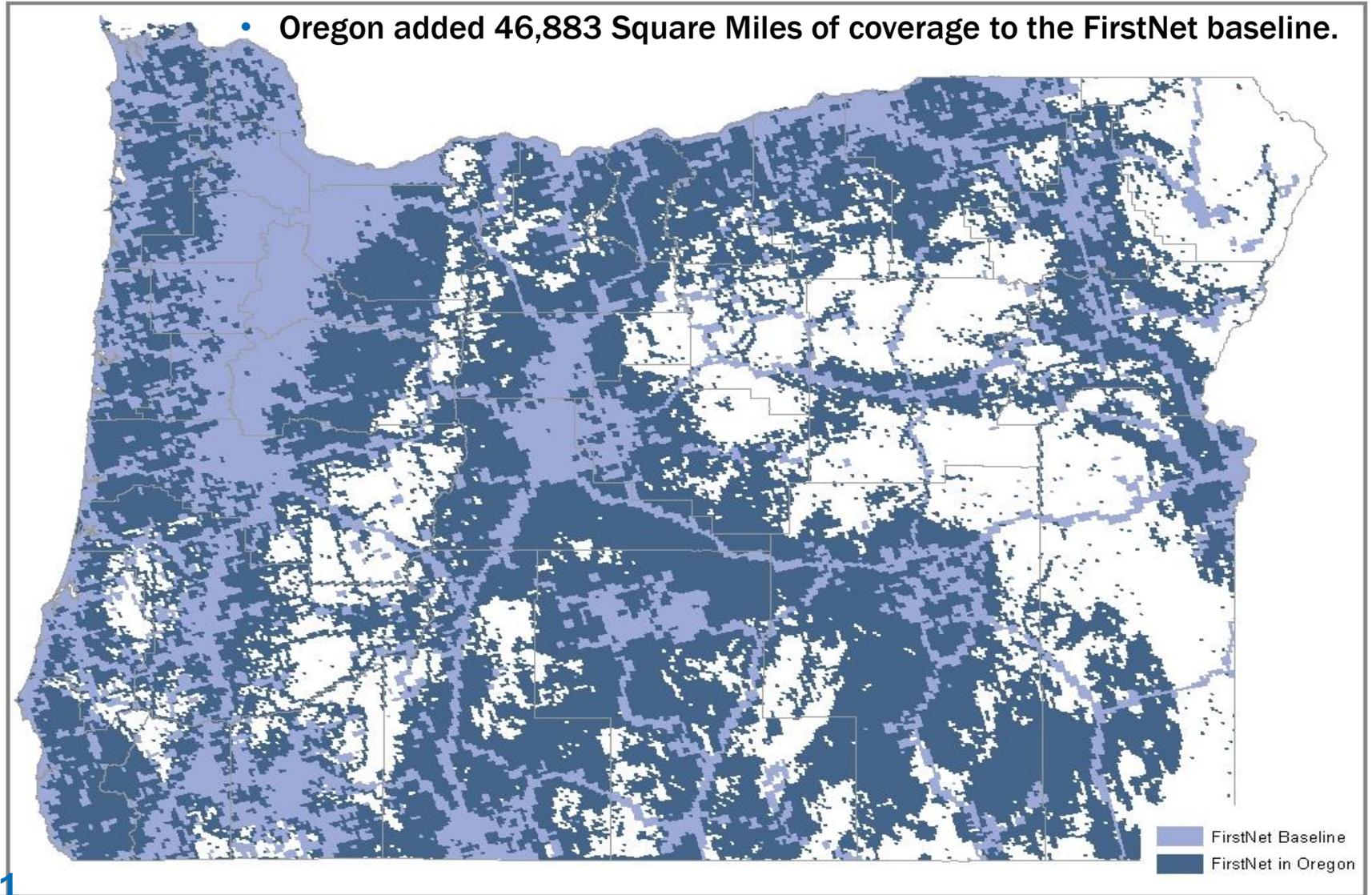


Coverage Priority

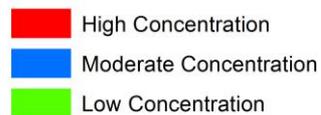
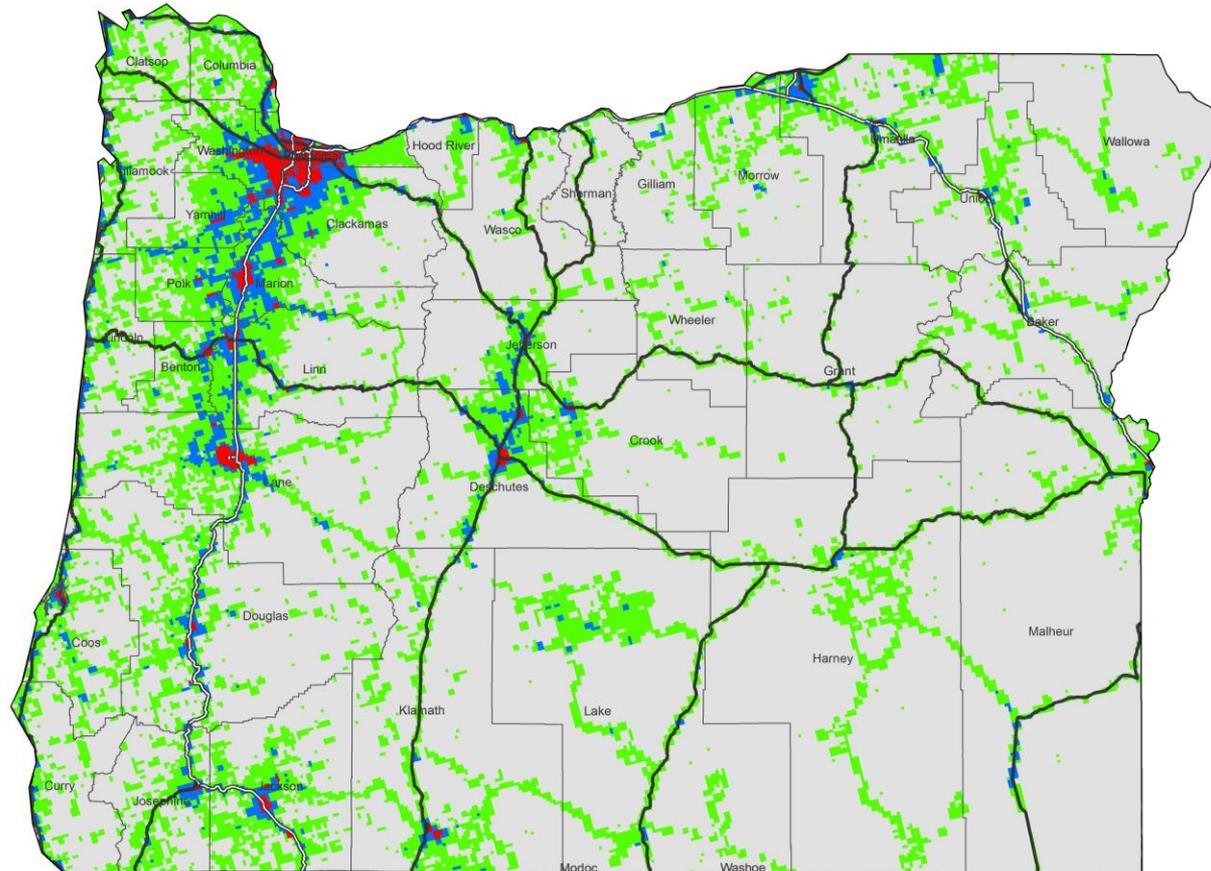


Coverage Priority

- Oregon added 46,883 Square Miles of coverage to the FirstNet baseline.

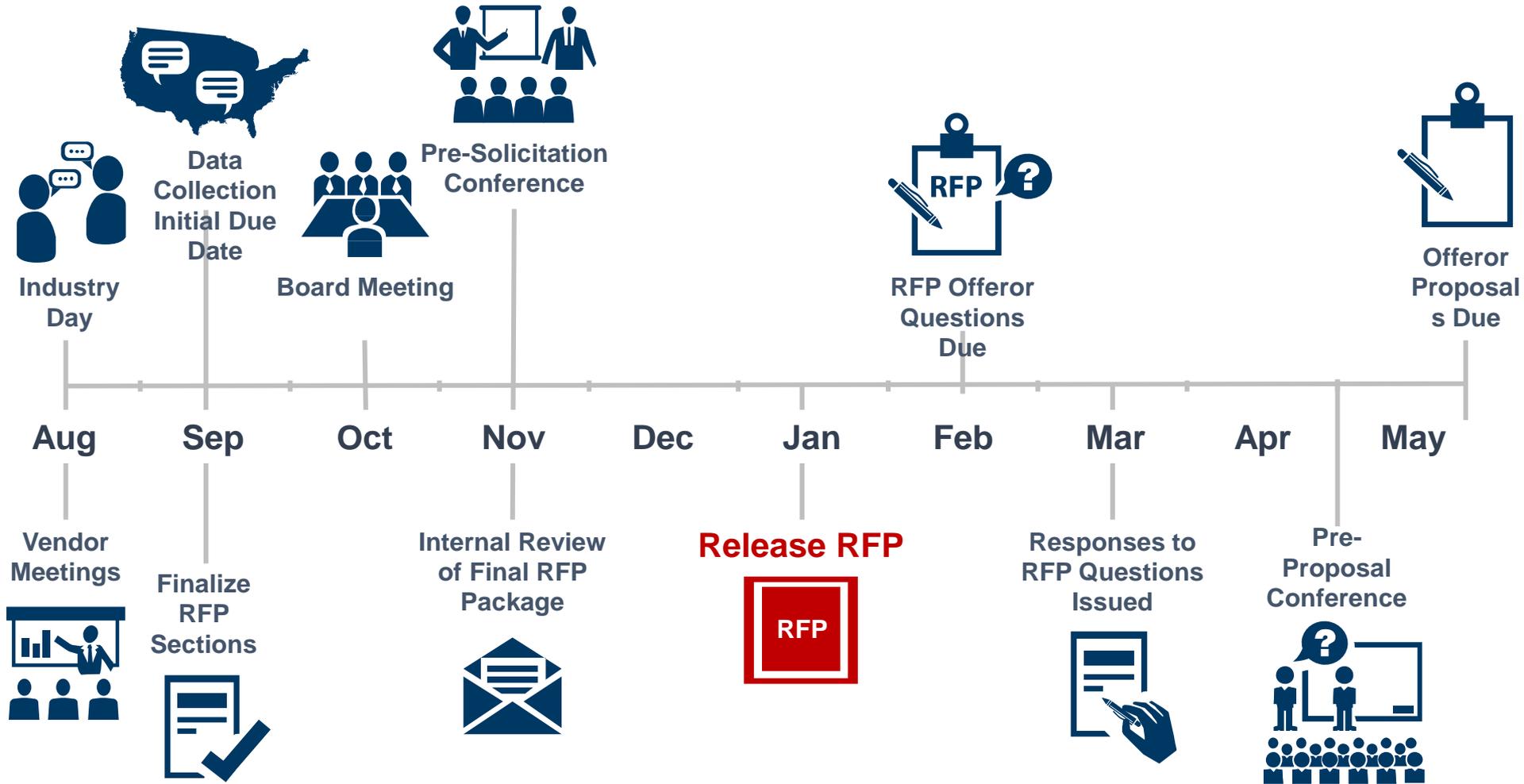


Oregon FirstNet Coverage Objectives Baseline



Courtesy of FirstNet

FirstNet RFP Schedule



* Events and dates subject to change

Evaluation Factors in the RFP



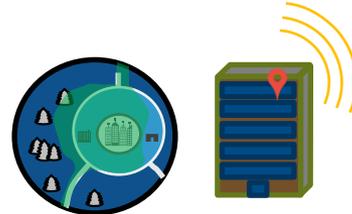
Coverage & Capacity Factor

- B14 & non-B14 coverage
- RAN solutions
- Coverage related IOC/FOC schedule
- Offerors will be evaluated on their partnerships with rural telecommunication providers as well as their plan to leverage existing infrastructure to the maximum extent economically desirable to speed deployment in rural America.



Business Management Factor

- Public Safety Adoption Program, Sales, and Marketing
- Teaming Arrangements, Leadership and Program Management, Small Business Plan
- Customer Care and Life-cycle Sustainment
- Program Sustainability
- Time-to-Market



Products & Architecture Factor

- Service (public safety features)
- Applications & apps ecosystem
- Device ecosystem
- Architecture infrastructure, Core, and B/OSS & backhaul
- Network operations



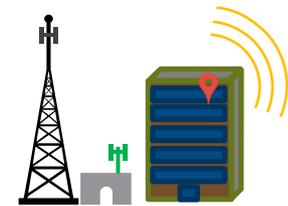
Past Performance Factor:

- Successful project history - like scope
- Deliverable/report history
- Staying on schedule
- Staying within budget



Pricing Factor

- Meets FirstNet's sustainability objective
- Use of FirstNet's \$6.5B
- Demonstrated synergies & added value
- Unbalanced/unreasonable value determination



Use of Existing Infrastructure

- **Metrics for rural network development, so it is developed at the same time as network in urban areas;**
- **15% of the coverage in rural areas must be accomplished through partnerships with rural telecommunications companies.**

Partnering/Teaming List

As a courtesy, FirstNet will maintain a list of those vendors that are interested in subcontracting and partnering opportunities with other potential offerors. If you are interested in being added to the list, please submit the following information to TeamingList@firstnet.gov, with "Teaming List - Reference # D15PS00295" included in the subject line:

- Business name
- Point of contact name
- Point of contact e-mail address
- Point of contact phone number
- Company website
- Indicate the category of your company- choose from the following list:
 - Infrastructure
 - Consulting
 - Devices, Applications
 - Systems Integrator
 - Towers/Sites
 - RF OEM
 - IT/Engineering/Enterprise Services
 - Other
 - Carrier - identify for which geographical region you provide service and what technology is used.
- A description of your company or organization and the services you provide (maximum 100 words).

This information will be made available to all potential offerors via posting through the FirstNet website and on the Federal Business Opportunity site (www.fbo.gov). An offeror is not required to be listed on the teaming list in order to submit a proposal to any resultant RFP. Being included on this list is optional and solely intended to be an avenue to facilitate potential subcontracting and partnering opportunities. FirstNet accepts no liability for any resultant outcomes. FirstNet will update the [Teaming List](#) on a weekly basis.

<http://www.firstnet.gov/about/doing-business-firstnet>

FirstNet by the Numbers

2014-2016

Strategic Program Roadmap
Conduct consultation with states
Collect local data and design network

Develop and award comprehensive RFP

THE ROAD TO FIRSTNET

2017+

Governor reviews design offer and opts in or out of FirstNet network deployment
Integrate Next Generation 9-1-1

2022

Network substantially in operation



Data LDEO-Columbia, NSF, NOAA
Image Landsat

For more FirstNet Facts...

Contact:

David Soloos

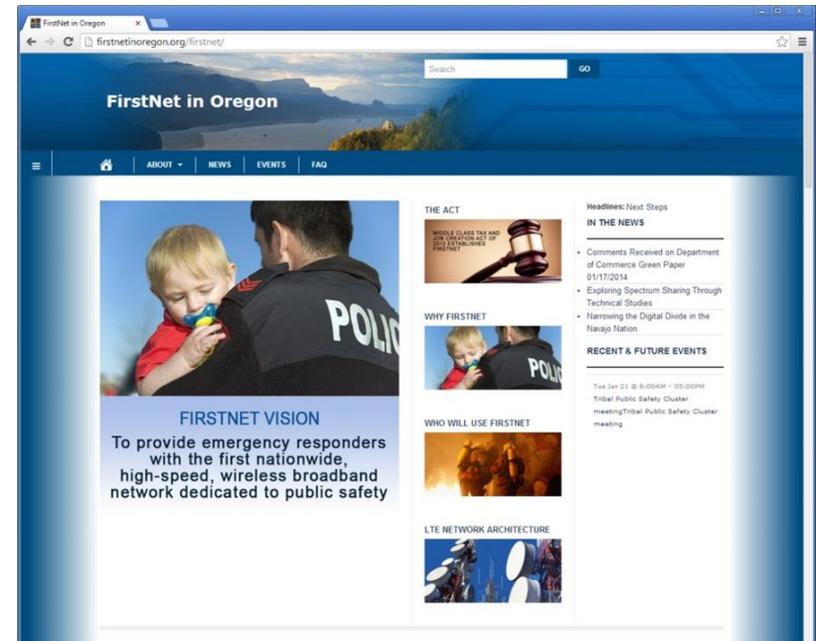
Oregon FirstNet

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Or, visit our website:



www.firstnetinoregon.org