

**Application for Federal Assistance SF-424**

Version 02

**\* 1. Type of Submission:**

- Preapplication
- Application
- Changed/Corrected Application

**\* 2. Type of Application:**

- New
- Continuation
- Revision

**\* If Revision, select appropriate letter(s):**

**\* Other (Specify)**

**\* 3. Date Received:**

03/18/2013

**4. Applicant Identifier:**

2013 SLIGP-01

**5a. Federal Entity Identifier:**

**\* 5b. Federal Award Identifier:**

**State Use Only:**

**6. Date Received by State:**

02/06/2013

**7. State Application Identifier:**

2013 SLIGP -01

**8. APPLICANT INFORMATION:**

**\* a. Legal Name:**

Transportation, Oregon Department of

**\* b. Employer/Taxpayer Identification Number (EIN/TIN):**

93-1111585

**\* c. Organizational DUNS:**

809580681

**d. Address:**

**\* Street1:**

3210 Del Webb Ave NE

**Street2:**

Suite 110

**\* City:**

Salem

**County:**

Marion

**\* State:**

OR: Oregon

**Province:**

**\* Country:**

USA: UNITED STATES

**\* Zip / Postal Code:**

97301

**e. Organizational Unit:**

**Department Name:**

Highway Department

**Division Name:**

Major Projects Branch

**f. Name and contact information of person to be contacted on matters involving this application:**

**Prefix:**

Mr.

**\* First Name:**

Steve

**Middle Name:**

**\* Last Name:**

Noel

**Suffix:**

**Title:**

Statewide Interoperability Coordinator

**Organizational Affiliation:**

Employee

**\* Telephone Number:**

503-934-6940

**Fax Number:**

503-934-6949

**\* Email:**

Steve.Noel@odot.state.or.us

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**9. Type of Applicant 1: Select Applicant Type:**

A: State Government

Type of Applicant 2: Select Applicant Type:

Type of Applicant 3: Select Applicant Type:

\* Other (specify):

**\* 10. Name of Federal Agency:**

National Telecommunications and Information Admini

**11. Catalog of Federal Domestic Assistance Number:**

11.549

CFDA Title:

State and Local Implementation Grant Program

**\* 12. Funding Opportunity Number:**

2013-NTIA-SLIGP-01

\* Title:

State and Local Implementation Grant Program (SLIGP)

**13. Competition Identification Number:**

2013-NTIA-SLIGP-01

Title:

**14. Areas Affected by Project (Cities, Counties, States, etc.):**

State of Oregon

**\* 15. Descriptive Title of Applicant's Project:**

Stakeholder Engagement and Outreach for FirstNet

Attach supporting documents as specified in agency instructions.

Add Attachments

Delete Attachments

View Attachments

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**16. Congressional Districts Of:**

\* a. Applicant

\* b. Program/Project

Attach an additional list of Program/Project Congressional Districts if needed.

**17. Proposed Project:**

\* a. Start Date:

\* b. End Date:

**18. Estimated Funding (\$):**

* a. Federal	<input type="text" value="2,148,448.00"/>
* b. Applicant	<input type="text" value="0.00"/>
* c. State	<input type="text" value="537,112.00"/>
* d. Local	<input type="text" value="0.00"/>
* e. Other	<input type="text" value="0.00"/>
* f. Program Income	<input type="text" value="0.00"/>
* g. TOTAL	<input type="text" value="2,685,560.00"/>

**\* 19. Is Application Subject to Review By State Under Executive Order 12372 Process?**

- a. This application was made available to the State under the Executive Order 12372 Process for review on
- b. Program is subject to E.O. 12372 but has not been selected by the State for review.
- c. Program is not covered by E.O. 12372.

**\* 20. Is the Applicant Delinquent On Any Federal Debt? (If "Yes", provide explanation.)**

Yes  No

**21. \*By signing this application, I certify (1) to the statements contained in the list of certifications\*\* and (2) that the statements herein are true, complete and accurate to the best of my knowledge. I also provide the required assurances\*\* and agree to comply with any resulting terms if I accept an award. I am aware that any false, fictitious, or fraudulent statements or claims may subject me to criminal, civil, or administrative penalties. (U.S. Code, Title 218, Section 1001)**

\*\* I AGREE

\*\* The list of certifications and assurances, or an internet site where you may obtain this list, is contained in the announcement or agency specific instructions.

**Authorized Representative:**

Prefix:  \* First Name:

Middle Name:

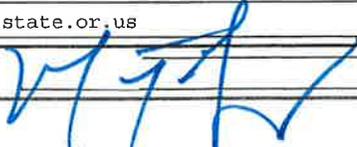
\* Last Name:

Suffix:

\* Title:

\* Telephone Number:  Fax Number:

\* Email:

\* Signature of Authorized Representative:  \* Date Signed:

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**\* Applicant Federal Debt Delinquency Explanation**

The following field should contain an explanation if the Applicant organization is delinquent on any Federal Debt. Maximum number of characters that can be entered is 4,000. Try and avoid extra spaces and carriage returns to maximize the availability of space.

**State and Local Implementation Grant Program (SLIGP)  
Supplemental Application Narrative**

**1. EXISTING GOVERNANCE BODY**

**a.**

*Describe the organizational structure and membership of the existing Statewide Interoperability Governing Body (SIGB), or its equivalent that is responsible for public safety communications in the State.*

Oregon proposes that the existing State Interoperability Executive Council (SIEC)<sup>1</sup> govern Oregon's First Responder Network Authority (FirstNet) response and related activities for the state. The SIEC's mission is to develop recommendations for policy and guidelines, identify technology and standards, and coordinate intergovernmental resources to facilitate statewide wireless communications interoperability with an emphasis on public safety. The SIEC has four standing committees: Executive, Partnership, Strategic Planning and Technical. The SIEC and its standing committees currently meet on a quarterly basis.

The SIEC is comprised of representatives from the following organizations:

- Oregon State Police
- Oregon Department of Forestry
- Oregon Department of Transportation
- Oregon Department of Corrections
- Oregon Department of Administrative Services
- Oregon Department of Human Services
- Oregon Health Authority\*
- Oregon Office of Emergency Management
- Oregon Military Department
- Oregon Department of Public Safety Standards and Training\*
- Oregon Fire Chiefs Association
- Oregon Association of Chiefs of Police
- Oregon State Sheriffs' Association
- Oregon Association of Public-Safety Communications Officials/National Emergency Number Association (APCO/NENA)
- Region 35 Radio Planning Committee\*
- Oregon Tribes\*
- League of Oregon Cities\*
- Association of Oregon Counties\*
- Special Districts Association of Oregon\*
- Oregon Broadband Advisory Council\*
- Legislative Assembly (two members with interest in public safety communication)

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<sup>1</sup> Further information related to the SIEC is available at <http://www.oregon.gov/SIEC/Pages/index.aspx>.

\* These organizations were added subsequent to establishing Executive Order 02-17 by way of Oregon Revised Statute (ORS) 403.450. See response to “d” below for planned changes.

**b.**

*Describe the SIGB’s authority to make decisions regarding public safety communications and how these decisions are implemented.*

Created by Oregon Gov. Kitzhaber’s Executive Order 02-17 in 2002 and subsequently established in statute in ORS 403.450, the SIEC is charged with improving and developing interoperable public safety communication systems in Oregon. Through the governor’s executive authority and the Oregon Legislature’s budgetary authority, the SIEC’s advisory recommendations form public safety communication policy in Oregon.

In statute, the SIEC is also given direction to adopt rules necessary to carry out its duties and powers. By rule, then, the SIEC can drive the execution of statewide communications interoperability, up to and including the implementation of FirstNet.

**c.**

*Describe how the State will leverage its existing SIGB, or its equivalent, to coordinate the implementation of the Public Safety Broadband Network (PSBN) in the State.*

The SIEC is charged to:

- Create a common understanding of communications interoperability throughout Oregon.
- Adopt common language, coordinated protocols and standards statewide.
- Integrate existing and future interoperable communications systems.

Given these goals, it is a logical extension to include the objectives of FirstNet under the SIEC’s existing governance structure. Additionally, most, if not all, of the communities required to participate in FirstNet planning and data collection activities are already engaged in the work of the SIEC.

**d.**

*How does the State plan to expand its existing SIGB to include representatives with an understanding of wireless broadband and Long Term Evolution (LTE) technology in order to facilitate its consultations with FirstNet?*

Legislation (Senate Bill 665) has been introduced<sup>2</sup> into Oregon’s 2013 legislative session to transfer the lead agency in support of the SIEC from the Oregon Department of Transportation (ODOT) to the Oregon Department of Administrative Services (DAS). As part of the proposed legislation, new SIEC membership is included that would broaden the membership base, aligning and enhancing Oregon’s ability to collaborate and then implement with FirstNet. These proposed new members include:

- A representative from the Oregon Broadband Advisory Council.
- An information technology officer from an Oregon city.
- An information technology officer from an Oregon county.
- A member of a nonprofit professional organization interested in the enhancement of public safety communications systems.

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<sup>2</sup> 2013 Legislative Assembly, SB Introduced: [www.leg.state.or.us/13reg/measpdf/sb0600.dir/sb0665.intro.pdf](http://www.leg.state.or.us/13reg/measpdf/sb0600.dir/sb0665.intro.pdf)

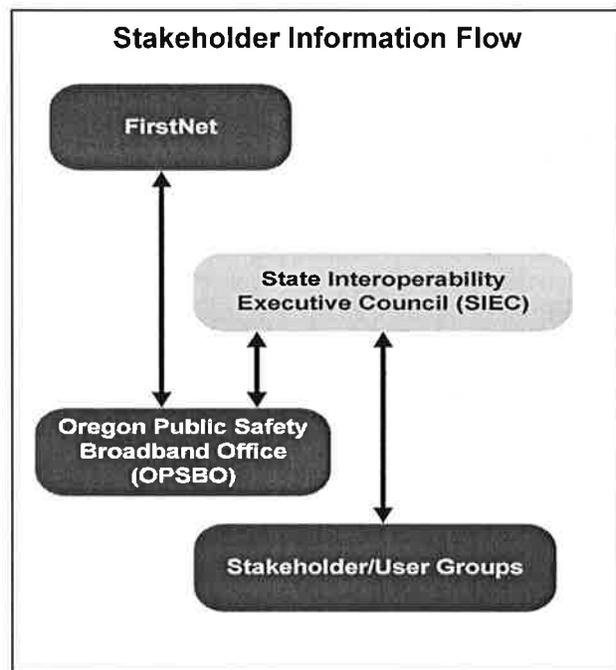
These new SIEC appointees are anticipated to bring significantly broader experience with wireless broadband communications and long-term evolution (LTE) technologies to the SIEC.

Under the proposed legislation, the Statewide Interoperability Coordinator (SWIC) position continues its relationship as primary staff to the SIEC in developing strategic planning and implementation. The SWIC is currently the lead for the FirstNet planning efforts as well, allowing for continued and seamless relationships and easing the consultative process.

The SIEC, the Governor’s Office, ODOT and the Chief Operations Officer for DAS support the above-referenced legislation to move administrative and budgetary responsibility for the SIEC from ODOT to DAS, which includes the SWIC position and the responsibilities for the public safety broadband office in support of FirstNet.

If adopted, this transition is scheduled to occur early in Oregon’s 2013-2015 biennium; the biennium begins in July 2013. This would result in the strategic alignment of the Chief Information Office, the SWIC and the SIEC and ensure that Oregon is in a position to support the planning and implementation of FirstNet.

In addition, Oregon has already started planning for FirstNet by drafting an initial planning guide<sup>3</sup>. The planning guide is helping to educate local and state agency stakeholders and is a working template for establishing an Oregon Public Safety Broadband Office (OPSBO) in support of FirstNet.



**e.** *Does the State currently dedicate sufficient financial resources to adequately support the SIGB? Does the State intend to invest funds received from SLIGP to financially support the SIGB? If so, provide the amount the State expects to request and describe the SIGB functions that these funds will support.*

Oregon supports the SIEC by scheduling and coordinating meeting support and providing the facility. The state currently provides the salary for the SWIC, who is the primary staff resource responsible for state communications interoperability planning and coordination of SIEC initiatives. During the planning and implementation period, 60% of the SWIC’s salary is proposed to come from the SLIGP (\$266,635 total including other payroll expenses (fringe)). Additionally, within the Travel object class category, we are including estimated costs to cover reimbursement of travel and associated expenses related to statewide stakeholder outreach activities for SIEC members (\$7,200 total estimated reimbursement).<sup>4</sup>

As discussed in 1.e above, the role of SIEC membership and the SWIC are key to the outreach and

<sup>3</sup>SWIC-OPSBN Planning for FirstNet: Appendix A.

<sup>4</sup> See included Financial Narrative and supporting budget overview workbook.

engagement of stakeholders. Under the OPSBO, the SWIC with consultant support will facilitate the development of the SIEC's enhanced membership and representation for broadband. As the center for governance, the SIEC is a critical component and integral in the approach for our associated planning and outreach activities for SLIGP implementation.

## 2. STATEWIDE COMMUNICATIONS INTEROPERABILITY PLAN (SCIP)

a.

*Are there existing strategic goals and initiatives in your SCIP focused on public safety wireless broadband? If so, what are they?*

Public safety wireless broadband is included throughout Oregon's 2012 Statewide Communications Interoperability Plan (SCIP) Implementation Report<sup>5</sup>, specifically referencing support for broadband technology and FirstNet several times:

- Rework SIEC legislation and identify new stakeholders for the SIEC to support the national broadband planning effort. Stakeholders identified are local chief information officers, the Broadband Advisory Council and Portland Metro representation.
- Leverage existing governance and infrastructure capabilities to foster formation of public-private partnership efforts in support of FirstNet.
- Pursue planning and financing options for implementation of FirstNet.
- Formalize and strengthen relationships with bordering state and tribal nations.
- Develop FirstNet program plan for Oregon.
- Conduct training and outreach for LTE broadband development.

The goals and objectives of the SCIP can be easily clarified to include support of the national public safety broadband planning efforts:

Goal 1: Create a common understanding of communications interoperability throughout Oregon.

- Objective 1.1: Identify state and federal legal requirements for public safety interoperability (current resources, best practices, future technologies, industry developments, needs of public safety, etc.).
- Objective 1.2: Improve stakeholder understanding of public safety wireless communications and related interoperability initiatives, efforts and requirements.
- Objective 1.3: Provide leadership.

Goal 2: Adopt common language, coordinated protocols and standards statewide.

- Objective 2.1: Coordinate statewide policy formulation by local, county, tribal, private, state and federal authorities, and elected leaders.
- Objective 2.1: Establish priority protocols for the use of statewide, regional and local system assets.
- Objective 2.3: Establish core objectives on interoperable communications for use in local training and exercises.

Goal 3: Integrate existing and future interoperable communications systems.

- Objective 3.1: Identify and meet the needs of local jurisdictions during significant/widespread integration of the State Radio Project and other resources into local and regional operations.
- Objective 3.2: Manage the statewide interoperability network through the integration of

<sup>5</sup> [http://www.oregon.gov/SIEC/docs/scip/2012.10\\_Scip.Implementation.Report.pdf](http://www.oregon.gov/SIEC/docs/scip/2012.10_Scip.Implementation.Report.pdf)

research and orderly transition to advanced technologies.

- Objective 3.3: Establish a disaster recovery plan for interoperable communications.
- Objective 3.4: Maximize efficient use and sharing of public safety spectrum and resources.

**b.**

*Describe how the State has engaged local governments and tribal nations, if applicable, in public safety broadband planning activities that have been completed to date.*

The Oregon Broadband Advisory Council (OBAC) and a Broadband Advisory Council Fund were established in the 2009 legislative session to help ensure the implementation of statewide broadband strategies. The mission of the OBAC is to encourage coordination and collaboration between organizations and economic sectors to leverage the development and use of broadband for education, workforce development and tele-health and to promote broadband use by citizens and communities.

OBAC members represent Oregon's cities, counties, telecommunications service providers, tribes, educators, economic development organizations, public safety agencies, healthcare providers, e-government experts, DAS, the Public Utility Commission, the Oregon House of Representatives and the Oregon State Senate. The council is charged with reporting to the Legislative Assembly on the affordability and accessibility of broadband technology in all areas of the state and on the extent of broadband technology use in healthcare, energy management, education and government. As noted earlier, the SIEC is also broadly representative of public safety within local governments and tribal entities.

Additionally, valuable insight into public safety planning and use of broadband was provided by the U.S. Department of Homeland Security Office of Emergency Communications' (OEC) Mobile Data Survey during the spring of 2012. Sample information from this survey includes:

- Public safety agency adoption rates for mobile devices and data use.
- Number of employees and devices using mobile data.
- Awareness and interest in migration to the FirstNet National Public Safety Broadband Network (NPSBN).

Oregon completed the initial survey using a sample group of public safety agencies in the Portland and Willamette Valley regions. We can extend this survey to include other agencies and jurisdictions in Oregon, focusing on local governments and tribal nations.

Since the legislation enabling FirstNet, the SWIC has been the main provider and interface with public safety agencies, providing briefings on the development of FirstNet and the proposed NPSBN. State and local governments, tribal nations and industry participants have been included in meetings, teleconferences and the sharing of information electronically.

**c.**

*Does the State intend to use SLIGP funding to support efforts to update the SCIP by adding public safety wireless broadband strategic goals and initiatives? If so, provide the amount the State expects to request and describe the activities that these funds will support.*

Oregon does not intend to use SLIGP funding to support the SCIP update efforts for 2013. As noted in our response to “a” above, the state of Oregon has already recognized and is pursuing integration of broadband technology in our SCIP through development of a companion broadband document. Oregon has scheduled an SCIP update workshop for May 2013. During the annual update of Oregon’s SCIP, we bring together a broad group of stakeholders from federal, tribal, state and local governments, academia and the private sector.

As part of the SCIP update, the group will consider integrating as an appendix the first edition of our broadband planning guide for FirstNet. SCIP updates subsequent to release of FirstNet’s broadband plan will then incorporate by reference any changes made at the federal level. Efforts related to continued development of the broadband companion document will be funded by SLIGP. Our Oregon planning document has been leveraged and provides the baseline for the broadband companion document for the SCIP.

### 3. STATE-LEVEL INVOLVEMENT

**a.**

*What is the status of the Statewide Interoperability Coordinator (SWIC) for your State? Does this person work full-time in the SWIC capacity? How will this person be involved with SLIGP?*

Oregon has had an active SWIC since the creation of the SIEC in law in 2005. The SWIC position has been full-time since 2010.

The SWIC is actively engaged in the SLIGP process and is the point of contact<sup>6</sup> for the state’s developments in regard to FirstNet, working in coordination with the State Chief Information Office, and local and regional stakeholders. The SWIC will continue to play a central role through staff support of the SIEC and integration into the Oregon Public Safety Broadband Office (OPSBO). The SWIC also will be able to facilitate FirstNet integration efforts at a broader level by coordinating planning activities regionally, leveraging the SWIC’s status as the Regional Emergency Communications Coordination Working Group (RECCWG) co-chair and membership on the executive committee for the National Council for Statewide Interoperability Coordinators.

**b.**

*How will the State’s Chief Information Officer/Chief Technology Officer be involved with SLIGP and with activities related to the implementation of the nationwide public safety broadband network?*

Oregon’s State Chief Information Officer (CIO) is an appointed member of both the SIEC and the OBAC.

The state Chief Information Office has been actively working with the SWIC on the SLIGP, and active involvement with the OPSBO will be ongoing. Participation includes contributing to this SLIGP response and to the upcoming state SCIP update. The Chief Information Office includes the Oregon Geospatial Enterprise Office (GEO) and the Enterprise Security Office. Since January 2012, GEO has been designated as a sub-recipient under the National Telecommunications and Information Administration (NTIA)’s State

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<sup>6</sup> Letter from Gov. Kitzhaber is included.

Broadband Initiative (SBI) grant program, and GEO staff members perform all broadband Internet service area data collection, mapping and reporting on a semi-annual basis<sup>7</sup>. Oregon believes that the FirstNet data collection and reporting effort is a logical extension of the SBI work, and once the data collection specifications are made available to grant recipients, then GEO staff assigned to broadband mapping will be involved in the FirstNet mapping and reporting efforts to every extent possible.

**c.**  
*What other State-level organizations or agencies will be involved with SLIGP?*

The four key agencies that have taken the lead related to the FirstNet program are the Oregon Department of Transportation, the Oregon Department of Administrative Services, the Oregon Business Development Department and the Oregon State Police. Additionally, via membership and meeting involvement in the SIEC and OBAC, the list of involved state agencies is broader and includes the Oregon Department of Forestry, Oregon Department of Corrections, Oregon Department of Human Services, Oregon Office of Emergency Management, Oregon Military Department, Oregon Legislature and the Oregon Public Utility Commission.

**d.**  
*What are the specific staffing resources the State requires to effectively implement the consultation process with the First Responder Network Authority (FirstNet) and perform the requirements of SLIGP? If the application requests funding for additional staffing, provide the amount the State expects to request and describe the positions these funds will support.*

Oregon has established the OPSBO in the interim housed within ODOT. Consistent with the movement of the SIEC (the state Statewide Interoperability Governing Body [SIGB]) to DAS, the OPSBO and the SWIC will transition to DAS. Staffing resources to support the OPSBO in its implementation of consultation with FirstNet is planned to include consulting services, state personnel and stakeholder involvement. The combined staff (SLIGP and staff match in kind) needed to implement the FirstNet consultation process are identified as:

<b>Position Title</b>	<b>Funding Category</b>
DAS Deputy CIO	Non-federal match in kind
DAS SBI Program Manager	Non-federal match in kind
Fiscal Manager	Non-federal match in kind
Quality Manager	Non-federal match in kind
Program Support Assistant	Non-federal match in kind
Grant Manager - Fiscal	Non-federal match in kind
SWIC/Project Coordinator	SLIGP funds -60%
Outreach Coordinator	SLIGP funds
Project Administrative Assistant	SLIGP funds

All match in kind personnel services are planned to be from State of

<sup>7</sup> NTIA SIB: [www.broadband.oregon.gov](http://www.broadband.oregon.gov)

Oregon Employees. None of these employees are currently funded by federal grant funds. Cost controls are in place and no reimbursement of match in-kind for employee time will be submitted such as to constitute “double match” related to submission for the same time against any other federal grant. This includes the DAS Deputy CIO and SBI Program Manager.

The SWIC, Outreach Coordinator and Project Administrative Assistant positions are considered *new* for the purposes of the SLIGP (\$788,303 including other payroll expenses (fringe) for the three-year period). The SWIC is not currently funded by federal funds. The SWIC position will dedicate 60% of their time to SLIGP efforts for the 3-year period, with subordinate SWIC responsibilities assigned to other state staff positions not associated with SLIGP efforts. The SLIGP resource will facilitate the SWIC in the pivotal role of bringing conventional and broadband technology together among diverse stakeholders and in support of the SIEC. The Outreach Coordinator and Project Administrative Assistant positions will be added to complete the OPSBO staff; they are needed for daily coordination and oversight of consultants in performance of the stakeholder outreach and Phase 2 data collection efforts. The OPSBO with its three SLIGP-funded staff will be further supported by non-federal (match in kind) staffing in a cross-functional team approach.

SWIC/Project Manager Duties:

- Acts as the single point of contact for FirstNet.
- Oversees the development and ongoing management of the statewide OPSBO, including operating budget and staff management.
- Maintains knowledge of current trends and developments in the broadband field, including serving on state, local, regional and national committees and attending related seminars and conferences.
- Performs outreach across state, tribal, local and federal organization boundaries and spearheads the identification of potential public-private partnerships with stakeholders and FirstNet.
- Works with staff to accomplish the goals of the unit and performs various personnel functions.
- Participates in the evaluation of new technologies or solutions to improve service and efficiency.
- Develops and implements strategic goals in accordance with the mission of the OPSBO and the SIEC.
- Recommends and implements the development of standards and procedures.

Outreach Manager Duties:

- Organizes, attends and/or participates in special events and promotions related to FirstNet activities.
- Serves as spokesperson for the organization at meetings, special events and media events.
- Responsible for oversight of consultants in the development and implementation of outreach and marketing activities, campaigns and strategies related to FirstNet, including personal contacts, brochures, mass mailings, public presentations, special events and social media.
- Assists in establishing and maintaining relationships with local, state and federal agencies, tribal nations, utilities and other potential secondary users to educate and train end users on the NPSBN.
- Arranges and coordinates travel intra-state and nationally for the OPSBO and SIEC members in support of SLIGP.

Project Administrative Assistant Duties:

- Establishes and maintains filing and record-keeping systems for the OPSBO.

- Organizes and coordinates meetings, activities, workflow and information in support of the OPSBO and SLIGP outreach and SIEC.
- Assists with planning agenda and presentations and arranges for necessary facilities, equipment and travel plans.
- Works with consultants and vendors on invoicing and supporting materials.
- Researches and collects data from reports, files, databases and other sources and distributes data or reports within established time frames, receiving and consolidating feedback into final reports.
- Monitors budget and expenditures for OPSBO and grant-related activities in coordination with cross-functional financial team members.

e.

*How is the State engaging private industry and secondary users (e.g., utilities)?*

#### **State History of Engagement:**

The state has already engaged with private industry and secondary users in the development of a creative Request for Information Expression of Interest (RFI-EI<sup>8</sup>) to have private industry install at their expense a demonstration public safety LTE network in Oregon. Although we received three actionable responses to our request and were ready to implement two of them through ODOT's Oregon Innovative Partnerships Program, we opted instead to move in alignment with FirstNet strategies and use the RFI-EI work as a baseline engagement with the private sector. As part of this effort, our stakeholder engagement team met with the Eugene Water and Electric Board to discuss the potential of the NPSBN and capabilities it might be able to provide with machine-to-machine communications for meter reading requirements. Similar discussions took place with Pacific Corp. Bonneville Power is also a participant in workshops and planning efforts and a participant in our regional RECCWG.

Because of interest from our stakeholder community and an opportunity for a public-private partnership with Harris (partner ATT), we established a broadband pilot project using current 3G technologies and land-mobile radio (LMR) to show convergence capabilities. In this ongoing project, we demonstrated how stakeholders can use a typical smartphone to communicate with a traditional LMR trunked radio system. This demonstration helps us convey to stakeholders the capabilities that new broadband technologies<sup>9</sup> will afford and how FirstNet will provide benefits in their daily work that they cannot achieve with traditional LMR systems today.

Additionally, there has been involvement with private industry and secondary users through a preliminary contact meeting with Jeff Johnson of the FirstNet Board on Dec. 5, 2012. Oregon participation at the meeting included representatives from Verizon and the Lane County Council of Governments' Fiber Consortium. Lastly, Oregon participated in a meeting of WestNet member states on March 14 to discuss regional collaboration with FirstNet and the importance of utilities in stakeholder outreach and public-private partnerships for implementation.

Identification, education and outreach with private industry and secondary users under SLIGP is addressed under 10 and 11 below.

## **4. COORDINATION WITH LOCAL GOVERNMENT JURISDICTIONS**

<sup>8</sup> RFI-EI *Oregon Public Safety Long Term Evolution Broadband Spectrum Network Proof-of-Concept Pilot (LTE PSBN Pilot)*: Appendix B.

<sup>9</sup> Public Safety BeOn Broadband/P25 Trunked Radio Proof of Concept Demonstration: Appendix C.

**a.**

*Describe the local government jurisdictional structure (e.g., municipalities, cities, counties, townships, parishes) located within the boundaries of the State, Commonwealth, Territory, or District applying for a grant. How many of these local jurisdictions exist within the State's boundaries?*

Oregon's local government jurisdictional structure consists of 36 counties containing 242 incorporated cities. Each county has a city that is designated as the county seat. Oregon counties are typically governed by an elected board of commissioners.

In addition to cities and counties, several other forms of local government exist in Oregon. These entities serve numerous governmental functions, from regional planning to managing ports to the operation of 9-1-1 centers and specialized public safety radio districts. The other forms of local government are<sup>10</sup>:

- Regional Council Associations (seven).
- Metro – Serves the greater Portland area, includes parts of three counties and 25 cities, and is governed by an elected Council of Commissioners.
- Port Districts of Oregon (22) – Governed by elected port commissioners.
- Special Service Districts<sup>11</sup> (more than 850) – There are 28 types of special service districts in Oregon. These districts are financed through property taxes, fees for services or a combination thereof. Most special service districts are directed by a governing body elected by the voters.
- Transit districts (11).

**b.**

*Describe how your State will involve these local jurisdictions to ensure there is adequate representation of their interests in the FirstNet consultation and in the planning and governance for SLIGP.*

Through the OPSBO and the SWIC, Oregon plans to coordinate with and leverage the existing SIEC and OBAC structures for engaging and obtaining consensus of state and local stakeholders when performing planning activities and responding to FirstNet requests. This outreach will include meetings and communications in collaboration with the appropriate members of the SIEC and OBAC and will not be limited to SIEC and OBAC meetings. Our position has always been to engage our stakeholders and encourage their active involvement in FirstNet planning from the beginning (see references in sections "3e" and "15").

Oregon has already engaged our mid-Willamette Valley stakeholders in broadband surveys conducted by the OEC and in our developments with the private sector as a 700 MHz waiver participant. We plan to expand the engagement of our eastern Oregon stakeholders in the broadband and SLIGP development moving forward.

We anticipate under Phase II of SLIGP, once data collection is defined by FirstNet, to broaden our efforts and work with our governmental, quasi-governmental and private stakeholders to collect the various data elements requested. In planning and governance of FirstNet-related efforts, the role of the OPSBO and the SWIC includes support and assistance to the SIEC in engaging both rural and more urban

<sup>10</sup> For additional information see the Oregon Blue Book: <http://bluebook.state.or.us/local/other/other01.htm>

<sup>11</sup> For additional information see: <http://www.sdao.com/>

potential users and their needs.

**c.**

*Describe past methods the State has used to successfully coordinate statewide projects or activities with local government jurisdictions.*

The state of Oregon has a long tradition of and experience with coordinating statewide projects and activities with local government jurisdictions. An example related to agency engagement structure is the Oregon Transportation Commission (OTC), the governing body of ODOT. The OTC has adopted a supporting Area Commissions on Transportation structure that forms the engagement base for local governments and other stakeholders in the state's transportation planning, operations and improvement projects. Statewide cooperative project examples include the state's 9-1-1 program, Oregon Voter Registration System, Virtual USA Pacific NW Pilot Program (five states, multiple cities and counties, multiple Federal Emergency Management Agency [FEMA] regions) and the Oregon Department of Consumer and Business Services Statewide ePermitting System for county and city building departments.

Partnership development and collaboration between state, regional and local public safety agencies was the genesis for the development of Oregon's statewide public safety communications project, the State Radio Project. These partnerships helped to gain legislative support and approval for the project's budget. The partnerships that were formed have provided a benefit to improving communications infrastructure throughout the state, enabling network communications to rural counties that previously did not have this capability. The stakeholders who participated in this project collaboration are among our current broadband stakeholders and are active participants in the SIEC.

The methods for establishing successful coordination of the SLIGP depend on an engaged SIEC and participation from stakeholders. We will leverage for the SLIGP a well-defined communications plan<sup>12</sup> that has been developed to help ensure consistent and open communications in the implementation of the State Radio Project.

**d.**

*What have been some of the State's primary challenges when engaging with local jurisdictions? What are some of the strategies that the State will employ to overcome these challenges during implementation of SLIGP?*

The challenges for state engagement with local jurisdictions on statewide efforts are long-standing. These obstacles are often defined by Oregon's vast geography<sup>13</sup>, the lack of sufficient resources at the local level to participate in multi-jurisdictional coordination activities, the perceived loss of local control over project objectives and staff, and the equity issues related to the rural-urban divide within the state. This said, within and outside of its public safety activities, Oregon strives for active engagement of all stakeholders through local meetings, leveraging associations and governance bodies for inputs, capitalizing on electronic media (email and the Internet) and other techniques designed for inclusively in the decision-making processes.

In our responses to and contacts with the FirstNet board, we have expressed that geographic and population density items are top concerns. The interim OPSBN has assessed the challenges, and the SWIC

<sup>12</sup> ODOT SRP Communications Plan: Appendix D.

<sup>13</sup> Oregon is the ninth largest state at 98,000 square miles.

has already been working to set appropriate expectations about FirstNet coverage: that FirstNet will not replace Oregon’s LMR system. We continue to emphasize in our contacts with FirstNet that uneven deployment favoring metropolitan vs. sparsely populated localities — creating a “haves vs. have nots” division between the more rural eastern Oregon and the Portland Metro area of the state — needs to be avoided for successful adoption. We continue to emphasize the importance of rural Oregonians’ needs and investigate creative solutions, such as public-private partnerships between FirstNet and stakeholders, as a way to avoid this implementation and adoption barrier. We have also worked on conveying realistic timeframes for FirstNet’s scheduled deployment, incorporating a lesson learned from our State Radio Project effort. Establishing realistic goals and being able to make commitments that will be supported by the Oregon’s Legislature, the Association of Oregon Counties, League of Oregon Cities and other local government stakeholders will be important for SLIGP success.

## 5. REGIONAL COORDINATION

a.

*Does your State have intrastate regional committees that are involved with public safety communications? If so, please describe their organizational structure and membership and how they provide input to the SIGB.*

Oregon has several intrastate regional committees that focus on public safety communications issues; some are run on an ad hoc basis when there is a critical need, while others meet regularly.

- Portland Public Safety Systems Revitalization Program: City of Portland/Multnomah County radio system. The Public Safety Systems Revitalization Program (PSSRP) is a multi-year, coordinated effort among regional partners. The program is necessary to replace or upgrade aging public safety technology systems in order to sustain vital emergency response services for the citizens of Portland. The key driving factors for the program are the inability to receive ongoing maintenance from current public safety systems vendors, the retirement of key system support staff and the difficulty of maintaining interoperability with existing systems<sup>14</sup>.
- Lane Regional Interoperability Group (LRIG): This group is focused on interoperability and LMR development in Lane County and the greater Eugene, Ore., area. In response to recognized local need and the guidance of the federal Office of Homeland Security, Lane County, the cities of Eugene and Springfield, and the Eugene Water and Electric Board determined to jointly develop and adopt a communications interoperability plan encompassing the police, fire, emergency medical, public works and utility functions within and between the participating agencies. LRIG leadership has historically been active in participation in the SIEC.
- Oregon Public Safety Emergency Communications Cartel (OPECC): This group of regional communications entities across Oregon and Washington formed during the decision phase of the State Radio Project. The group has considered playing a role as a forum to advance cooperation on trunking groups, talk groups and broadband. Most participants in OPECC also regularly participate in the SIEC.

<sup>14</sup> Further information at: <http://www.portlandoregon.gov/cao/56706>

- Several county committees have developed to work on interoperability within their counties and neighboring counties. In addition, several special districts have been formed to oversee 9-1-1 operations to include public safety communications systems, and one district formed specifically in support of LMR and data systems.

**b.**

*Describe any interstate regional bodies in which your State participates that are involved with public safety communications in the State.*

- Regional Public Safety Communication System Partnership<sup>15</sup>: This is a multi-state/regional body comprised of Portland/Multnomah County, Washington County (Washington County Consolidated Communications Agency), Clark County, Wash., (Clark Regional Emergency Services Agency) and Clackamas County (Clackamas County 800 Radio Group). Its purpose statement includes:

The partnership provides a governing structure to foster and coordinate the planning, funding, construction, operation and maintenance of the partners' individual 700/800 MHz digital P25 radio system replacements and to coordinate the development, implementation and operation of a system-of-systems regional public safety communications system to serve the partners. The partners retain control and autonomy over their local assets. The partnership also fosters collaborative efforts among the partners, including but not limited to planning, training, interoperability of voice and data communications systems, operational and physical backup and redundancy, and obtaining and managing resources such as grants to support partnership efforts.

- The RECCWGs, as mandated by Congress in the Department of Homeland Security Appropriations Act of 2007, are planning and coordinating bodies responsible for providing a forum to assess and address the survivability, sustainability, operability and interoperability of emergency communications systems at all government levels. The RECCWGs provide a vision into regional preparedness efforts by serving as a mechanism for state, local and tribal agencies to help FEMA and other federal agencies define and integrate emergency communications support during an incident. Oregon has several members involved in the FEMA Region X RECCWG. The Oregon SWIC is co-chair of the RECCWG, and the director for the Willamette Valley 9-1-1 Center and the Communications Regional Coordinator for Portland are members. Oregon's Office of Emergency Management also participates in the RECCWG.
- Early Builders Advisory Council (EBAC): This is a multi-jurisdictional committee formed through the original participants in the Public Safety Spectrum Trust Advisory Committee. EBAC is made up of the original 700 MHz waiver recipients and Texas. The EBAC consists of 21 member jurisdictions and has been influential in some of the early public safety broadband developments. One of the main tenants of EBAC is to ensure that the NPSBN initiative benefits from the first-hand subject matter experience and knowledge of the Operator Advisory Committee and meets the needs of local, tribal, regional, state and federal agencies and the public safety community. Attached are individual EBAC jurisdictions'<sup>16</sup> overviews of work with the public safety broadband initiative. No funds from Oregon's SLIGP will be provided to EBAC, this is a regional collaboration effort that the SWIC participates in.

<sup>15</sup> The Partnership is an ORS 190 / RCW 39.34.030 Organization

<sup>16</sup> EBAC Member Jurisdiction Overviews: Appendix E.

- **Western Governors' Association:** The Western Governors' Association is an independent, nonprofit organization representing the governors of 19 states and Guam, American Samoa and the Northern Mariana Islands. Through this association, the governors identify and address key policy and governance issues that include natural resources, the environment, human services, economic development, intergovernmental relations and international relations. It is expected that the group will take an interest in the planning and implementation of FirstNet.
- **Integrated Wireless Network (IWN):** Integrated Wireless Network, an interstate and national communications project, established a working collaboration between the federal Department of Justice, the states of Washington and Oregon, and many local jurisdictions in the development of shared communications infrastructure. A federal trunked radio is working in support of federal law enforcement agencies and is used by local government agencies in Washington and Oregon for specific event use. The Olympic Trials held in Eugene is an example of the collaborative efforts IWN developed in Oregon; all communications between local, state and federal public safety officials was seamless during the event. In addition, relevant to our current broadband efforts, IWN installed a significant microwave system in Oregon and Washington that may be used for alternative or primary routing of information for FirstNet.
- **Columbia River Inter-Tribal Fish Commission (CRITFC).** The Columbia River Inter-Tribal Fish Commission has an integrated project effort with the state of Oregon, interconnecting Washington and Oregon. This partnership provides a high-speed microwave network along the Columbia River Gorge using a microwave-based communication system for tribal, state and local public safety communications. In addition, this system is being used to extend broadband coverage on the Columbia River for shipping lane usage and to aid in the rural build-out of the national broadband initiatives.

**c.**

*How does the State plan to engage and leverage these existing regional coordination efforts in the nationwide public safety broadband network planning?*

Oregon intends to maintain its current collaboration and grassroots support at the local public safety stakeholder level. We plan to continue to be an active participant in EBAC and the regional RECCWG, foster western states' collaboration through the Western Governors' Association and other bodies, and integrate with regional and national stakeholders through the National Association of State Chief Information Officers (NASCIO) and the National Governors' Association. Engaging and being part of interstate and national committees allows Oregon to use information gained through this collaboration to educate stakeholders.

Coordination with the EBAC, the RECCWG and the Regional Public Safety Communication System Partnership, IWN and CRITFC will primarily be through the SWIC within the OPSBO. Since the SWIC is connected to the SIEC as well, this will greatly assist in centralizing information flow and consistency.

The Chief Information Office will coordinate closely with the SWIC, ensuring that communications and coordination efforts and consistency are established and maintained at the NASCIO level.

The OPSBO and SIEC will collaborate and leverage the Western Governors' Association by providing

information and policy recommendations to Oregon’s governor, which will allow engagement with the association in a regional discussion of public safety broadband network investment and policy.

**d.**

*Please identify, if applicable, any other state, territory, or regional entity with which the State collaborated or coordinated in the development and preparation of this application and describe the nature of that collaboration or coordination.*

Collaboration and discussion has taken place with Arizona and Texas to include interested federal Region XI and X participants in teleconference calls discussing the development of the SLIGP responses. Because peer review of grant applications will take place by colleagues representing these regions, Oregon proactively engaged in sharing ideas and concepts to ensure a standard interpretation of SLIGP.

Conversations were held with Washington state SIEC member Bill Schrier and Idaho SWIC Robert Hugi to discuss presentation of shared northwest region engagement challenges.

Additionally, Texas, Arizona and Oregon will be presenting their SLIGP approaches at the International Wireless Communications Expo in March 2013. Continuous information sharing with other state SWICs and CIOs has taken place previous to and as part of the SLIGP preparation. Through our Office of Emergency Communications Regional Coordinator, outreach has taken place with the Northwest Tribal Emergency Management Group.

## **6. TRIBAL NATIONS**

**a.**

*How many federally recognized tribes are located within the State boundaries? (If the answer is zero, please skip to question #7.) Information on federally recognized tribes may be located at the Department of Interior, Bureau of Indian Affairs website:  
<http://www.bia.gov/WhoWeAre/BIA/OIS/TribalGovernmentServices/TribalDirectory/index.htm>*

Oregon is home to nine federally recognized tribes:

- Burns Paiute Tribe
- Confederated Tribes of the Coos, Lower Umpqua and Siuslaw Indians
- Confederated Tribes of the Grand Ronde Community of Oregon
- Confederated Tribes of Siletz Indians
- Confederated Tribes of the Umatilla Indian Reservation
- Confederated Tribes of Warm Springs
- Coquille Indian Tribe
- Cow Creek Band of Umpqua Tribe of Indians
- Klamath Tribes

The Confederated Tribes of Warm Springs represent tribal interests on both the SIEC and the OBAC.

**b.**

*Describe how the State will involve the tribal nations to ensure there is*

*adequate representation of their interests in the FirstNet consultation and in the planning/governance for the grant program. Does the State have a process for consulting with the tribes located within State boundaries? If so, please provide a description of that process.*

Oregon has a defined process for consulting, communicating and working with tribal nations within the state boundaries. Executive Order 96-30<sup>17</sup> serves to formalize the government-to-government relationship that exists between Oregon's Indian tribes and the state and establish a process that can assist in resolving potential conflicts, maximize key intergovernmental relations, and enhance an exchange of ideas and resources for the greater good of all of Oregon's citizens.

Oregon state agencies work closely with the Oregon Governor's Office on State/Tribal relations through a combination of:

- Bringing issues for discussion to the Commission on Indian Services, comprised of members representing all federally recognized tribes and representatives of non-reservation Indians from the Portland urban area and the Willamette Valley.
- Conducting specific outreach to the individual tribes coordinated through their tribal leadership.
- Discussing issues at the Government-to-Government annual summit organized by the Governor's Office<sup>18</sup>.

The most effective results often come from simply meeting with tribal representatives about issues of shared concern. Because Oregon is geographically diverse and many of the tribal nations are in rural parts of the state, the tribes not only have challenges with public safety communications but with everyday communications services for their members. Many of our negotiations with coastal tribes have been in support of helping them improve their cellular communications coverage, usually by allowing them to place cellular communications on Oregon's LMR towers.

The tribal representative for Oregon's SIEC and OBAC has approached Oregon's Public Safety broadband working team to offer assistance with the outreach effort on FirstNet<sup>19</sup>. The representative indicated his concern that tribal members will want to see FirstNet in operation and working before determining their level of participation. In keeping with a tribal outreach plan, the representative has agreed to help organize a regional meeting for Oregon's tribal representatives so that we can provide them with information about FirstNet.

Our ability to maintain interest in FirstNet at the tribal level will depend upon FirstNet's ability to provide them with needed services. We believe that public-private partnership opportunities may exist with several Oregon tribes and FirstNet because of their current investments in broadband technologies. The Confederated Tribes of Warm Springs has received a federal grant to install fiber and wireless broadband infrastructure services on the reservation and has created a Competitive Local Exchange Carrier Warm Springs Telecommunications Company. Tribal communications services are the only systems in existence in central Oregon, which could significantly improve FirstNet's implementation in this area of the state.

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<sup>17</sup> See text of Executive Order 96-30 at: <http://www.oregon.gov/lcd/docs/govtogov/eo96-30.pdf>

<sup>18</sup> Pursuant to ORS 182.166(2)

<sup>19</sup> The SIEC and OBAC tribal representative has provided input on this SLIGP application.

**c.**

*Describe past methods the State has used to successfully coordinate with tribal nations.*

Oregon's Legislative Commission on Indian Services (CIS) was created by statute in 1975 to improve services to Indians in Oregon<sup>20</sup>. Its 13 members are appointed jointly by the Senate President and the Speaker of the House to two-year terms. CIS members select their own officers to serve one-year terms of office. Prior to its establishment, no suitable mechanism existed in state government to consider Indian concerns directly. CIS serves as the main forum in which Indian concerns are considered. It serves as a conduit through which concerns are channeled through the network to the appropriate entity; it serves as a point of access for finding out about state government programs and Indian communities; and it serves as a catalyst for bringing about change where change is needed. This foundation has allowed improved ability to communicate with the tribes.

Specifically focused in the area of public safety communications, the state has built shared communications sites that have benefited both tribal and local government agencies. In eastern Oregon, with the Confederated Tribes of the Umatilla Indian Reservation, Oregon was able to successfully negotiate the development of new communications infrastructure. The partnership involved three communications site locations, and each party had to provide significant resources to make the partnership work. The common goal was providing communications support where none was available. See section "5b" for additional discussion of the cooperative and collaborative public safety involvement with CRITFC, which is further partnered in the State Radio Project.

**d.**

*Are there tribal representatives who regularly attend your SIGB meetings? If so, please identify the tribes represented.*

Oregon's tribal interests are represented at the SIEC and OBAC by a member of the Confederated Tribes of Warm Springs.

**e.**

*What have been some of the State's primary challenges when engaging with tribal nations? What are some of the strategies that the State will employ to overcome these challenges during implementation of SLIGP?*

As sovereign nations, tribes often are more comfortable working directly with the federal government than with state or adjacent local governments. Sharing of communications infrastructure does not align with shared public safety services in all tribal communities.

Access to the Tribal Councils for decisions on financing and partnership agreements can be challenging, but if committed and with the ability to align with a local champion representing the tribal community, collaboration can take place that is a benefit to the tribes and local government agencies. Oregon currently has a Technical Assistance benefit<sup>21</sup> from the Office of Emergency Communications in support of the Confederated Tribes of Warm Springs.

<sup>20</sup> [www.leg.state.or.us/cis/report/currentStatusState052010.pdf](http://www.leg.state.or.us/cis/report/currentStatusState052010.pdf)

<sup>21</sup> This Technical Assistance effort is designed to help with public safety communications planning and support.

The fundamental way we look to minimize challenges and obstacles in our SLIGP interface is through continued open communications channels. In working with the SIEC tribal representative to assist in identifying and coordinating with the correct tribal members with public safety interests, meetings such as the one discussed under “6b” will occur, with the platform then extended to further group and individual meetings. Additionally, we will leverage our established public safety communications interface with CRITFC, discussed above under “5b,” through Columbia River Inter-Tribal Fisheries Enforcement leadership engagement and collaboration.

## 7. RURAL COVERAGE

a.

*Please classify your local jurisdictions into rural and non-rural areas and identify the criteria used in making these rural and non-rural determinations.*

Oregon’s average density per square mile is 40<sup>22</sup> persons. The foundational local jurisdictional entity selected for this analysis is a county. This helps the OPSBO leverage the vast amount of county-level data sources that are maintained.

Classification	Population Density per Square Mile
Urban	1,000 – 66,900
Suburban	299 – 999
Rural	7.0 - 159
Frontier	Less than 1.0 – 6.9

The Census Bureau Population Per Square Mile by County is adapted only slightly to create four population density categories that provide additional detail and information — urban, suburban, rural and frontier — defined by precise values for population density (see table this page). In Oregon, the majority of counties are classified as rural, with a significant number classified as frontier (see table below with information by county). Oregon has only three suburban- and one urban-designated county<sup>23</sup>.

The criteria used to make this determination include:

- Consideration of existing U.S. Census Bureau data and current rural definitions.
- Adaptation to provide additional granularity for more detailed need and coverage analysis.
- Definition of a “frontier” category that captures extremely low-density areas. Note that public safety need may drive coverage in these counties to address factors such as below the average of 40 people per square mile density analysis.
- Utilization of detailed county-level data available from federal, state and local sources.

<sup>22</sup> 2010 U.S. Census

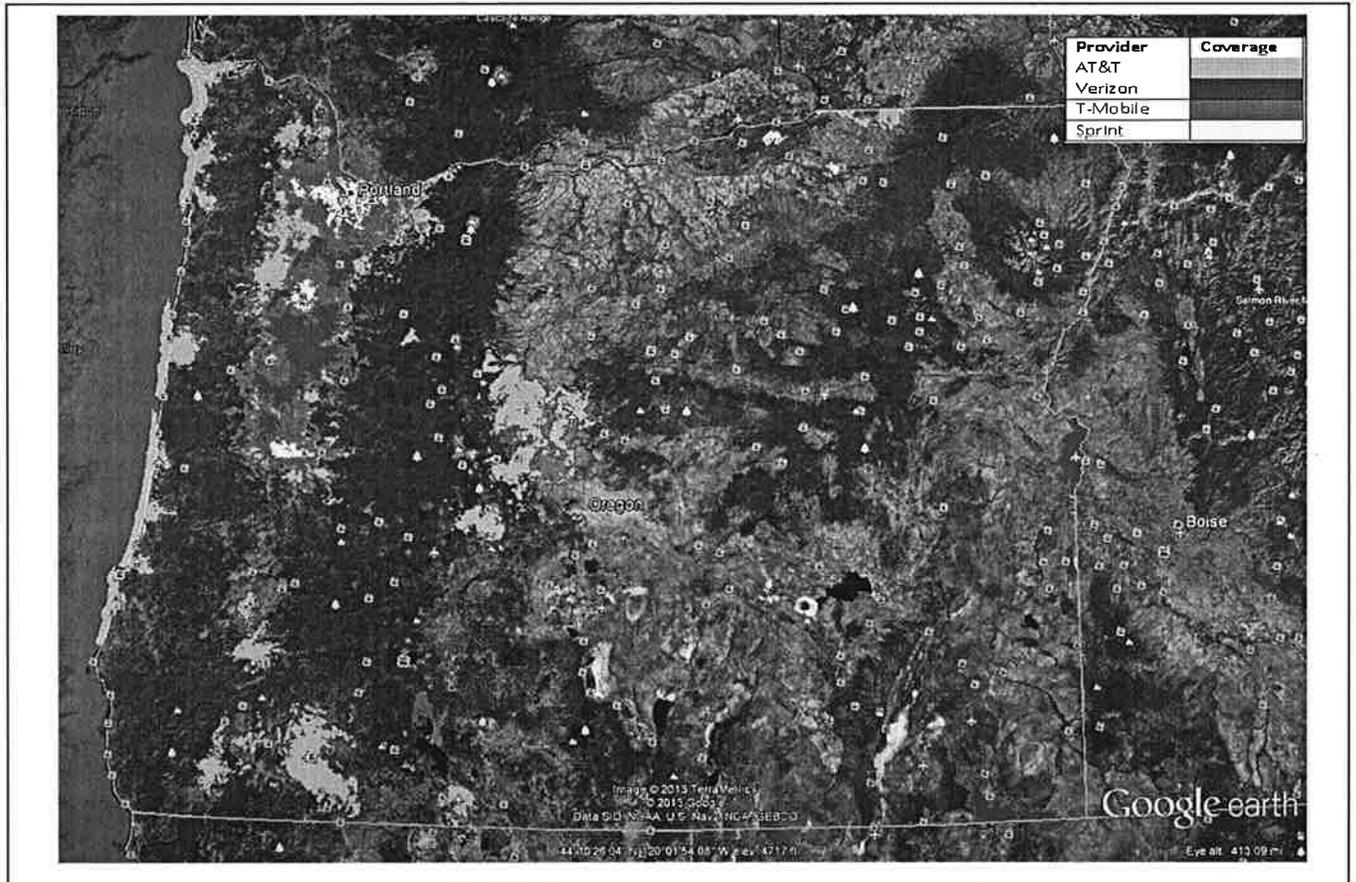
<sup>23</sup> The Portland metropolitan area is in Multnomah County and is Oregon’s only Urban Areas Security initiative (UASI) defined area.

<b>Geographic Area</b>	<b>Population Estimate 2011 (July)</b>	<b>Area in Square Miles</b>	<b>Average Population per Square Mile (2011 Census est.)</b>	<b>Population Density Category</b>
<b>Oregon Counties</b>	<b>3,871,859</b>	<b>95,988.05</b>	<b>40</b>	
Baker	15,984	3,068	5.2	Frontier
Benton	85,928	676	127.1	Rural
Clackamas	380,207	1,870	203.3	Suburban
Clatsop	37,153	829	44.8	Rural
Columbia	49,402	657	75.2	Rural
Coos	62,791	1,596	39.3	Rural
Crook	20,839	2,979	7.0	Rural
Curry	22,426	1,627	13.8	Rural
Deschutes	160,338	3,018	53.1	Rural
Douglas	107,490	5,036	21.3	Rural
Gilliam	1,937	1,205	1.6	Frontier
Grant	7,410	4,529	1.6	Frontier
Harney	7,373	10,133	0.7	Frontier
Hood River	22,493	522	43.1	Rural
Jackson	204,822	2,784	73.6	Rural
Jefferson	21,771	1,781	12.2	Rural
Josephine	82,987	1,640	50.6	Rural
Klamath	66,299	5,941	11.2	Rural
Lake	7,908	8,139	1.0	Frontier
Lane	353,416	4,553	77.6	Rural
Lincoln	45,933	980	46.9	Rural
Linn	118,122	2,290	51.6	Rural
Malheur	31,068	9,888	3.1	Frontier
Marion	318,872	1,182	269.7	Suburban
Morrow	11,169	2,032	5.5	Frontier
Multnomah	748,031	431	1734.4	Urban
Polk	75,993	741	102.6	Rural
Sherman	1,718	824	2.1	Frontier
Tillamook	25,403	1,103	23.0	Rural
Umatilla	76,725	3,216	23.9	Rural
Union	25,791	2,037	12.7	Rural
Wallowa	6,990	3,146	2.2	Frontier
Wasco	25,234	2,382	10.6	Rural
Washington	540,410	724	746.2	Suburban
Wheeler	1,426	1,715	0.8	Frontier
Yamhill	100,000	716	139.7	Rural

**b.**

*Please describe the coverage area and availability of broadband service and LTE technology in the rural areas of the State as defined in response to 7.a.*

Please see the map on the following page to gain a better understanding of existing 4G LTE coverage in Oregon<sup>24</sup>.



**c.**

*Please describe how the State plans to prioritize the grant activities to ensure coverage in, and participation by, rural areas. Please include specific plans, milestones, and metrics to demonstrate how you will achieve these requirements.*

Oregon is keenly aware of its geographic challenges and their impact on wireless communications coverage. We understand the need to have broad engagement and participation of all stakeholders, including rural and frontier areas of the state. Our proposed outreach and engagement activities, through face-to-face meetings, Web conferences, email, mailings and tele-conferences, will consider the population density classification and other factors to assist in a balanced assessment of stakeholders.

<sup>24</sup> The valid timeframe for this mapping is June 2012.

Outreach and engagement will start with consensus building around a prioritization matrix model, discussed below.

Many trips in Oregon, due to its rural nature, are over 400 miles round trip. As example, it takes 10 hours or more to drive one-way across our state and in many of our rural locations local officials would have a six-6 hour round trip drive if we schedule a regional state meeting about FirstNet. Historically, due to funding and travel restrictions, coupled with the rural-urban divide, many local parties have not attended meetings, even those at a regional level. We have found through the Goal 2 initiative and our work with the Tactical Interoperable Communications Plan development that small and remote local jurisdictions participation can be increased through additional local level meetings and the use of technology such as webinars. To leverage this knowledge, helping to encourage participation and off-set the driving times we anticipate using webinars for those who are inconvenienced by the driving times required. We have held workshop webinars for broadband related workshops with our stakeholders and we were able to get valuable feedback from those who would not normally travel the distance required to attend the discussion. We feel this approach will foster our outreach efforts in the same manner it did with the National Emergency Communications Plan Goal 2 initiative – webinar participation is how we were able to complete the Goal 2 requirement.

The OPSBO proposes developing a data-driven method of prioritizing engagement of stakeholders in public safety LTE coverage in a manner that will optimize the return on investment of FirstNet deployment for the state as well as for county and regional jurisdictions. The recommended approach is to develop a prioritization framework using data-driven rankings to create a balanced and objective assessment of factors that is then combined into an overall priority ranking. When complete, the priority ranking and supporting matrix will be used to inform policy making and pursue stakeholder outreach and engagement in coverage.

The factors within the prioritization matrix will be weighted to achieve the balance within the assesment in consideration of return on investment. Weighting factors for prioritization will be driven by coverage data and the identification of served, underserved and unserved areas of Oregon. This prioritization framework will also include weighted assessments by county to include additional criteria such as public safety need. The SWIC and the OPSBO will develop these tools, processes and methodologies according to a developed list of objectives. As the OPSBO develops these tools, it is dedicated to keeping the process open and transparent so that all stakeholders can maintain confidence in the prioritization process.

Additional objectives will likely include the following:

- 700 MHz public safety LTE assessment of the value of deployment in each Oregon county.
- Use local government data.
- Consider a variety of factors and develop consensus around the tool and mechanisms used to prioritize various aspects of public safety broadband deployment by FirstNet.
- Consider tribal, rural and frontier areas and regions that are currently underserved by commercial broadband deployments.

The proposed approach uses a common practice of using credible and detailed data sets and weighting factors. An example is the methodology used to fund allocations for the SLIGP. This approach mimics that technique and expands it to include categories of assessment, including tribal, rural and underserved populations by broadband coverage; population density considerations; ease of implementation; and public safety need.

Additional detail for criteria areas is provided below, with weighting criteria subject to development:

- Percentage of county that is tribal land.
- Rural/underserved households ranking – It is proposed that weighting will be used to level lower-density population rural areas, considering the lower density and areas underserved by commercial broadband providers.
- Population density by county – Weighting by frontier, rural, suburban and urban to be applied.
- Ease of implementation – Consideration of existing and available infrastructure, public and private, and other readiness identification to allow opportunities for quick, low-cost deployments. Weighting factors could include level of planning maturity, funding and overall public safety LTE readiness factors, proximity to backhaul resources and level of regional planning.
- Public safety need – A combined ranking that attempts to cover a combined assessment of ranked needs (see below).

It is proposed that this area of weighted assessment is considered inside the overall prioritization matrix. Consideration of contributing factors may include:

- Borders and coast lines
- Interstate, highway and other road miles
- Critical infrastructure – Power stations, oil refineries, racetracks, stadiums, airports, military bases, public safety locations, public safety answering point locations, nuclear power plants
- Crime rate – Per capita
- Environmental risks – Tsunami, wildfire, hurricane areas, flood risk, earthquake zone, etc.
- EMS/hospital/air evacuation operations
- Federal operations – Drug Enforcement Administration, U.S. Department of Justice, crime task force operations, Immigration and Customs Enforcement, Custom and Border Protection, prisoner transport routes
- State public safety operations – OSP, Oregon departments of Transportation, Forestry, Corrections and Emergency Management
- Other – Aircraft operations, evacuation centers, federal evacuation routes

Our success criteria will be multi-tiered. The first milestone will be the adoption of the prioritization matrix, which then will drive scheduling of additional outreach activities. We will consider the engagement of state agencies and the SIEC membership in the development and adoption of the prioritization matrix, and at the local level the representation within the process. One of the metrics for widespread engagement will compare outreach contacts (number of individuals) to the number of responses (individuals providing input through meeting attendance, emails, calls). Another metric will be to compare the population density by county to the number of input responses, allowing the leveled comparison of interest to population.

## 8. EXISTING INFRASTRUCTURE

### a.

*What, if any, databases exist that collect data on government-owned wireless*

*and/or communications infrastructure for the state, local, and/or tribal governments?*

In preparation for our initial meeting with FirstNet in December 2012, we used data that had been gathered on behalf of the State Radio Project using Google Earth and KMZ files that comprise a data set that shows all state agency infrastructures in Oregon. The use of Google Earth is a common thread among many of our partner agencies including the city of Portland and it is easy for organizations to input their data. Base information is provided in the KMZ files and can be further developed to show site information and picture representations of existing infrastructure at the site locations.

In addition, Oregon’s Broadband Data Collection and Mapping program is operated by Oregon’s Chief Information Office. This program has collected and maintains community anchor institution and broadband service coverage data across Oregon. This information is submitted to NTIA for inclusion in the National Broadband Map. This information can be used and leveraged to further detail the communications coverage and capabilities within the state.

**b.**  
*If these databases exist, what is the process for updating them and how often do these updates occur?*

Update of site data related to the State Radio Project is not on a set schedule. Data is updated based on changes in the development of the project and as final implementation plans are made. However, mapping data related to the project sites is updated on a monthly basis and is available through an interactive map at: <http://www.oregonradioproject.com/Home/Map>.

The Chief Information Office updates mapping data to the NTIA on a semi-annual basis.

## 9. EXISTING GOVERNMENT-OWNED NETWORKS

**a.**  
*Describe how you plan to identify any hardening, security, reliability, or resiliency requirements that are currently required for existing government-owned networks within the State, including those networks at the local and tribal governments.*

The state of Oregon is delivering the State Radio Project to combine and upgrade the ODOT and OSP networks into a single (LMR) system. As part of addressing the upgrades<sup>25</sup>, within the ability of budgetary constraints, hardening, security, reliability and resiliency requirements are being included in addition to compliance with

Locality	Service Interoperability	System Provider
City of Portland	Police and Fire	Motorola
Clark County (WA)	Police and Fire	Motorola
Clackamas County (OR)	Police and Fire	Motorola
Washington County (OR)	Police and Fire	Motorola
State of Oregon	Police/Multiple Agencies	Harris

<sup>25</sup> The State Radio Project as part of its core is to address, within funding limitation, the need to provide structural repairs and upgrades to effect operational reliability and resiliency.

the Federal Communication Commission (FCC)'s narrowbanding requirement<sup>26</sup> and P25 interoperability. Because of our ongoing cooperative efforts with the Oregon Department of Corrections and the Oregon Department of Forestry, we can easily obtain their existing operational state and requirements<sup>27</sup>. Additional, the state, in partnership with CRITFC, has provided us with information related to their operational requirements through inter-agency agreement.

The SWIC has established good relationships across the state and coupled with the SIEC interface, gathering requirements related to other local and tribal governments can be included within the outreach activities of the grant to provide a detailed set of information related to existing conditions compared to those required. As discussed below, other jurisdictions have projects planned or under way related to their public safety systems and operational requirements.

Several high-profile public safety communications projects are planned within the state for the upcoming year. In Portland, the Public Safety Radio Replacement Program (PSSRP) is being implemented to replace its current trunked radio system due to system age and concerns over technology obsolescence; some minor general operational component failures have taken place. Portland is doing its due diligence to ensure it can maintain highly efficient and reliable public safety voice communications systems for now and into the future. The new system is being designed to operate on a P25 digital radio platform, provide flexibility for use with new technologies, and ensure regional and state-level interoperability. This system is the largest trunked radio system in operation in Oregon and supports the most public safety users. It will represent the genesis for how neighboring communities will plan for the development of their public safety communications systems in the future. Regionally, the city of Portland and neighboring counties have a high degree of interoperability with the current communications systems in place. The chart included details the current regional and state agency system providers in the Urban Areas Security Initiative region. In addition to the plans for the city of Portland, the city of Salem and Deschutes County are planning on replacing or updating current trunked radio system operations. Additionally, prospective partners (secondary users) utilities Bonneville Power and Pacific Corp. have ongoing conventional P25 projects.

**b.**

*Describe how you plan to identify any existing contractual requirements regarding hardening, security, reliability, or resiliency for commercial carriers providing wireless data services within the State, including those at the local and tribal governments.*

Commercial carriers providing wireless services to state agencies outside of state-owned systems regardless of use (public safety or other) are governed by statewide contracts<sup>28</sup>, and we have access to all provisions and requirements. Because providers currently used are not used by the state primary communications for public safety, an assumption is each commercial carrier will need to improve the hardening of their communications sites to ensure that proper backup emergency power is available for fail over and power restoration capabilities. In addition, diverse routing of the fiber optic networks supporting the back haul for the carriers will be required. In our experience, commercial carriers have strenuously resisted state and local regulation in this area, and Oregon is looking to the FCC and FirstNet to take a leadership role in this area to ensure a survivable commercial network.

<sup>26</sup> FCC has granted Oregon a waiver extending the narrowbanding deadline to Nov. 1, 2013.

<sup>27</sup> Existing sites may not meet the requirements that agencies have for new sites or recognized upgrade needs.

<sup>28</sup> State agencies and local governments use Western States Contracting Alliance contracts. See <http://www.aboutwsca.org/contract.cfm/contract/w4-2001> for additional information.

Further data gathering related to existing contracts for voice and data services was conducted as part of the 2012 OEC Mobile Data Survey and included local governments but did not reach the level of contractual requirements, if any, on the part of the commercial carrier for these elements. We propose that first contact for this data be the OEC survey contributors, with expansion conducted as part of our proposed SLIGP outreach across remaining local and tribal jurisdictions.

## 10. NETWORKS USERS

a.

*Describe how you plan to identify the potential users of the nationwide public safety broadband network within the State, including at the local and tribal governments.*

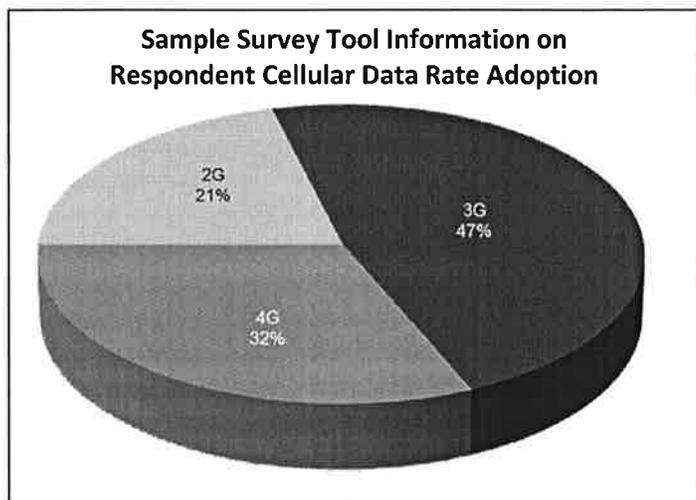
As documented in our current SCIP, Oregon has the following information on public safety agencies within the state: Oregon's public safety agencies include 272 law enforcement agencies, 334 fire agencies, 138 licensed ambulance service agencies, 629 licensed ambulances agencies, 449 EMS and first responder agencies, and 48 9-1-1 centers. Research conducted in 2010<sup>29</sup> suggests LTE subscribers at 15,000, with potential growth of an additional 10,000 or more dependent upon incorporation of federal agencies and public utility participation. More recently, in 2012, Oregon participated with OEC on a Mobile Data Survey that provides insights on availability and adoption of technology.

Sample information from the survey documented:

- Agency adoption rates for mobile data use.
- Number of employees and devices using mobile data.
- Awareness and interest in migration to FirstNet's NPSBN.

Oregon completed the initial survey using a sample group of agencies from the Portland and Willamette Valley regions. We plan to extend this survey offering through other agencies and jurisdictions in Oregon during the SLIGP planning effort.

The OPSBO plans to conduct outreach efforts with these tribal, regional, state and local government agencies as well as utilities and quasi-governmental entities and private-sector organizations. Outreach will be through conducting surveys, holding forums and other efforts with a broad variety of end-user communities throughout Oregon. At this time, we have assumed that potential primary users include public safety, law enforcement, fire, emergency response, emergency medical services and related personnel, agencies and authorities.



<sup>29</sup> Broadband Technology Opportunities Program (BTOP) Application

Based upon 2005 data, there are approximately 385 VHF systems, 62 UHF systems and six 800 MHz systems. This count does not include federal systems operating within the state such as the Department of Interior, Department of Justice, Department of Agriculture, the National Guard and other federal agencies. Data access is limited to local jurisdictions' ability to pay and coverage issues associated with the diverse geography, making access underserved and nearly impossible in frontier and rural areas. Organizations that oversee and operate these systems are potential users of the Nationwide Public Safety Broadband Network and will be sought out for input during the SLIGP planning effort. As part of our engagement of stakeholders, efforts will further include any emergency response agency/authority with Emergency Support Function (ESF) responsibilities. ESF is the grouping of governmental and certain private-sector capabilities into an organizational structure to provide support, resources, program implementation and services that are most likely needed to save lives, protect property and the environment, restore essential services and critical infrastructure, and help victims and communities return to normal following domestic incidents.

Emergency Support Functions:

- ESF1 Transportation
- ESF2 Communications
- ESF3 Public Works and Engineering
- ESF5 Emergency Management

Tribal and allied coordination efforts will happen as part of the planned SLIGP outreach and be accomplished through tribal inclusion in broad-based groups such as the SIEC and OBAC, specific tribal group meetings and individual tribal contacts.

## 11. EDUCATION AND OUTREACH

**a.**

*Describe how you plan to educate and train multi-discipline, public safety and other government users of the nationwide public safety broadband network at your State, local, and tribal levels.*

In coordination with the deployment of the NPSBN, we plan to facilitate or provide trainings as necessary for users, continuing to leverage resources provided by the OEC/Interoperable Communications Technical Assistance Program (ICTAP), NASCIO and other groups. Our intention is not only to educate users but also to gain insight from stakeholders that can be provided to FirstNet to help evolve the network.

In this initial phase, as the opportunity presents itself, we plan to partner with FirstNet board member Jeff Johnson and the FirstNet outreach team by providing multiple and recurring opportunities to meet with potential Oregon users, partners and stakeholders.

In addition to Oregon's outreach summary to date, outlined below, we plan first to continue to educate users on FirstNet and NPSBN as information becomes available as part of initial and ongoing outreach activities through the OPSBO and the SWIC in coordination and collaboration with the SIEC and OBAC.

FirstNet Education and Stakeholder Awareness. The Oregon Public Safety Broadband Office (OPSBO) in coordination with and through direction provided to our consultant will plan,

schedule, and execute an Oregon FirstNet Education and Stakeholder Awareness campaign that complements and extends national outreach efforts. Using the *Planning for FirstNet* briefing presented to the SIEC as input, OPSBO will create documents appropriate for presenting to local public safety stakeholders and deliver the content in a multi-level campaign, including in-person briefings, webinars, and informative emails. OPSBO will work with the SWIC and CIO Office to identify target organizations to receive a briefing of the presentation material. Activities associated with this effort include:

- OPSBO will streamline and update the information in the Planning for FirstNet PowerPoint document, SWIC-OPSBN-12-02, to create a succinct, information filled presentation suitable for the local public safety community. With support of the SWIC and CIO Office, OPSBO will request the latest FirstNet key talking points from Chief Jeff Johnson and his staff and incorporate them into the brief. Chief Jeff Johnson is the FirstNet board member responsible for outreach at the national level.
- Working with the SWIC and CIO Office, OPSBO will identify and create a prioritized list of Oregon groups to receive the presentation and informational material. Candidate organizations are anticipated to include local and regional public safety and other interest groups, and include a cross-section of rural and tribal representatives such as:
  - Portland Public Safety Systems Revitalization Program (PSSRP)
  - Lane Regional Interoperability Group (LRIG):
  - Oregon Public Safety Emergency Communications Committee (OPECC)
  - Regional Public Safety Communication System Partnership
  - Eastern Oregon stakeholders
  - Federally recognized tribal entities
- Using the prioritized list, based on the availability and interest of the stakeholder groups, OPSBO will coordinate, schedule, and participate in presentation trip circuits. The number of in-person presentation sessions will be dependent on the travel time between sites within a circuit. Two hours will be reserved for each session, with one hour allotted for presentation and a half hour for questions and answers. OPSBO will prepare, solicit, and summarize an attendee presentation feedback form and attendance sheet for each session.
- Subsequent to the in-person presentations, OPSBO will coordinate, schedule, and conduct webinar presentations of the same material. These are intended for outreach to stakeholders that are too remote to attend an in-person session and as make-up sessions for those that miss a trip circuit opportunity. The webinars will also be recorded and available on the Internet for later independent access as well.
- With the help of the SWIC and CIO Office, OPSBO will query stakeholder representatives and develop an Oregon FirstNet email group file for distributing outreach materials under this consultant and OPSBO initiative and for future OPSBO communications regarding FirstNet. OPSBO will develop an informative email introducing FirstNet based on the presentation content, attach the OPSBN Planning for FirstNet Executive Summary, and email the information to stakeholders on the list. The email information will include links to the full report at the SIEC website and SWIC/CIO contact information for further questions.

#### Outreach Summary to Date:

- Completed the Goal 2 Interoperability Survey with each county in the state in 2011.
- Participated in an OEC-sponsored public safety survey with stakeholders in 2012.
- Active participant in the PSCR Program in Boulder, Co., and have sent stakeholders from multiple jurisdictions to represent state interest in broadband and FirstNet.
- Meeting with Jeff Johnson on Dec. 5, 2012, by the SWIC and a cross section of stakeholders and potential partners.
- Plan outreach engagements with Oregon chiefs of police, sheriffs and firefighter organizations to help inform them of FirstNet.
- Developed an initial planning document to share with our Oregon, regional and national stakeholders and colleagues.
- Conducted a Public Safety Broadband workshop as part of Oregon's SCIP update in April 2013 with our SIEC.
- Stakeholder engagement in Bend, Oregon on April 15, 2013.
- Broadband Coverage workshop with the Office of Emergency Communications and FirstNet on May 6, 2013<sup>30</sup>.
- FirstNet presentation on May 7, 2013 at the Oregon Digital Government Summit.
- May 9, 2013 presented a FirstNet update to the Oregon Association of Public Safety Communications Officials (APCO).
- Meeting with Association of Oregon Counties representatives to provide a FirstNet briefing on May 13, 2013.

## 12. MEMORANDUM OF AGREEMENTS

a.

*Describe any specific obstacles, laws, and/or legal issues that will likely impede your ability to participate fully in the nationwide public safety broadband network or in SLIGP.*

While Oregon has a number of enabling and contributing items that can facilitate its implementation of the NPSBN and of the SLIGP, we recognize in its initial planning efforts a number of obstacles and challenges. While many obstacles and challenges are those that we believe can be overcome or mitigated, we have thus far identified the following items:

- Contractual limitations related to access to the NPSBN envisioned by FirstNet. Not all agencies may have the ability to sublease to FirstNet or its public-private partners.
- Existing rate structures may not allow FirstNet to be competitive. Agencies that are leasing from other public safety entities (e.g. state leasing from county through the sheriff) have generally established cooperative leases with rates that based on dedicated PS use that are far lower than market rate commercial leases.
- Existing contracts/agreements may not have provisions for including mixed use that covers having "for profit" uses on the same network as non-profit public safety access<sup>31</sup>. If excess bandwidth on the

<sup>30</sup> Oregon has been selected by FirstNet and OEC as a pilot state for coverage requirement development for Phase II SLIGP efforts.

<sup>31</sup> Agreement template example: Appendix F.

system is allowed to be used for “for-profit activities,” that mixed use may require renegotiation of contracts/agreements at all governmental levels.

- Agencies granting access to sites for FirstNet will expect a “*quid pro quo*” from FirstNet or their public-private partnership collaborators.
- Unknown expenses to allow for state, local and tribal governments to access FirstNet. For example, state expense to pay all infrastructure upgrades, including permits, National Environmental Policy Act (NEPA), etc.
- Timing and terms/conditions for existing network access plans. Some agencies have contracts including data plans with carriers, some of which have contract terms such that moving to FirstNet would require waiting for contracts to expire or payment of penalties.
- Lack of financial resources for FirstNet participation and long-term maintenance. Many Oregon cities and even counties are in financially perilous positions and are cutting public safety staff and services; paying for FirstNet service (and infrastructure) would have to have a strong use case to demonstrate immediate and long-term return on investment and operational efficiencies.
- Multiple governmental practices related to compliance with federal environmental protection laws and other statutes, rules and guidelines, specifically the need for a “lead agency” on NEPA coordination; this applies to new and existing sites with any federal nexus.
- Oregon land use regulations may impose additional time and resource costs on the deployment of FirstNet. Land use rules in Oregon are strong, with a number of concerns that can come into play for changes to existing sites and the creation of new sites.
- Proposed siting for new 4G towers may be difficult due to land ownership. Many existing state and local sites are not on owned land. Furthering these challenges is the large amount of federal land ownership throughout the state.
- Federally owned U.S. Forest Service and Bureau of Land Management land, especially for any new sites, requires considerable long-lead efforts to satisfy permitting and NEPA.

## 13. TOOLS

a.

*What are some of the software tools that the State has used and could apply to the planning and data collection activities associated with this program?*

In our early collaboration with FirstNet we used Google Earth with KMZ files to help with data collection of communications infrastructure; we found that this tool was easy to use and has been adopted by several of our stakeholders as a means to capture the same information. We have used basic project management tools such as MS Project for the planning aspect of FirstNet and will incorporate the communication plan developed by the State Radio Project as a process to aid in outreach with our stakeholders and help plan for FirstNet. Our State SBI Project through the Chief Information Office is a tool that we have used for early analysis of the LTE footprint within our state. This tool will be available, for data collection under Phase 2 SLIGP once defined by FirstNet.

In addition, Oregon is a participant in the Communications Asset Survey and Mapping (CASM) tool. Several of our local jurisdictions have input their communications information into the CASM tool.

Other datasets, such as those from the U.S. Census and state and local governments, are anticipated to be leveraged as needed through the use of MS Excel, Access or SQL databases, including GIS mapping

interfaces.

Another tool is the Oregon Broadband Interactive Map. The SBI grant program requires the following information to be collected and reported:

- Geographic areas in which broadband Internet service is available;
- The technologies used to provide broadband Internet service in such areas;
- The spectrum used for the provision of wireless broadband Internet service in such areas;
- The speeds at which broadband Internet service is available in such areas; and
- Broadband Internet service availability at community anchor institutions such as public schools, libraries, hospitals, colleges and universities, medical/health care and public safety entities.

This information is collected and submitted twice a year to the NTIA. To achieve this, the team collects the broadband data from providers, validates and verifies the data using third-party resources, and provides the data via an interactive public broadband mapping website<sup>32</sup>. We anticipate that data collected through the SBI effort, especially concerning anchor institutions and associated broadband Internet services, will be valuable to the public safety broadband network efforts.

The [SIEC website](#) is also used as a public safety communications outreach tool and will have a link to a standalone page(s) dedicated the SLIGP efforts, with posting of meeting notices, FAQs and other stakeholder information during the planning, and data collection outreach under phase 2 when defined. Additional software that allows for Web-interactive meetings to take place is seen as a viable tool to ease engagement and outreach where even county-level meetings can require hours of driving to reach.

**b.**

*Is the State aware of additional tools that could be useful for implementing allowable grant activities?*

While we have the cooperative carrier data and tool discussed above through the SBI, getting “real time” access to carrier-based data sets is critical to true mapping of all the infrastructure resources in the state. We assume that FirstNet will be able to collaborate with us on carrier-based information.

One possible tool that is forthcoming is OEC/ICTAP’s new Site Survey Tool, a component of CASM, which will be available in the summer. It will greatly expand on the infrastructure that can be collected for existing LMR equipment, including shelters, backhaul, power/backup, capacity, etc. This tool could be useful once FirstNet identifies the data that is to be collected during Phase 2.

## 14. PHASE TWO FUNDING

**a.**

*Describe the activities that you expect to undertake with the Phase 2 funding when it is made available to the State, Territory, or District.*

We believe that activities under Phase 1 will include further efforts on Oregon’s outreach and data collection inventories leveraging and updating our existing plan. This will provide clarity on the activities

<sup>32</sup> Information available at: <https://broadband.oregon.gov/StateMap/>

that will fall under the 50% funding level reserved for Phase 2 of the SLIGP. At this time, we envision Phase 2 activities may include items such as:

- Planning document refinements as details become available from FirstNet and in concert with Phase 1 SLIGP efforts. Milestone: Finalize Oregon coordination plan used for FirstNet business plan alignment.
- Identifying gaps that Oregon can assist with on the FirstNet business plan, i.e. support areas where FirstNet lacks coverage.
- Collecting data, as specified by FirstNet, related to existing broadband infrastructure.
- Aligning data collection with the FirstNet business plan and system model.
- Hiring consultants and limited duration state staff as needed to supplement state, local and tribal resources in order to deliver a timely product (or products) as defined by FirstNet.
- Developing standardized MOA and leasing templates.
- Providing education and outreach statewide on NPSBN and FirstNet and its consultation with Oregon.
- Attending and having key stakeholders attend FirstNet events.
- Working to build collaboration across state, local and tribal government agencies, with shared data collection and inventory activities.
- Including updates, as may be needed coming out of consultation with FirstNet, to the SCIP to align with NPSB implementation.
- Performing work to satisfy FirstNet data collection requirements as defined by NTIA as grant conditions.

## 15. OTHER

a.

*Please list any consultants, vendors, or other entity that assisted in the preparation of this application.*

This application has involved circulation to a number of Oregon users. The SWIC has had collaboration with the Chief Information Office, RECCWG colleagues from FEMA Regions VI and X, and the newly formed WestNet. Consultant support is noted below:

- Cynthia W. Cole Consultant – 7a and 7C
- SWIC-OPSBN Planning for FirstNet (Appendix A) prepared by SAIC
- Stakeholder Byron Vanderpool, Lane County Council of Governments
- Stakeholder Larry Hatch, Washington County Consolidated Communications Agency
- Stakeholder Karl Larsen, City of Portland
- Stakeholder Rock Rakosi, SIEC Chair and Chief of Police Association, Chair
- DAS Chief Information Office staff

## APPENDICES

<b>Appendix A</b>	SWIC-OPSBN Planning for FirstNet
<b>Appendix B</b>	RFI-EI Oregon Public Safety Long Term Evolution Broadband Spectrum Network Proof-of-Concept Pilot (LTE PSBN Pilot)
<b>Appendix C</b>	Public Safety BeOn Broadband/P25 Trunked Radio Proof of Concept Demonstration
<b>Appendix D</b>	Oregon Department of Transportation State Radio Project Communications Plan
<b>Appendix E</b>	EBAC Member Jurisdiction Overviews
<b>Appendix F</b>	Example – Sharing Agreement Templates

According to the Paperwork Reduction Act, as amended, no persons are required to respond to a collection of information unless it displays a valid OMB Control Number. The valid OMB control number for this information collection is OMB No. 0660-0038, expiring 7/31/2013. Public reporting burden for this collection of information is estimated to average 10 hours per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Michael E. Dame, Director, State and Local Implementation Grant Program, Office of Public Safety Communications, National Telecommunications and Information Administration, U.S. Department of Commerce (DOC), 1401 Constitution Avenue, N.W., HCHB, Room 7324, Washington, D.C. 20230.

## Feasibility Statement

In alignment with the goals of the State and Local Implementation Grant Program (SLIGP), the state of Oregon has been a major participant in broadband development at the local and national levels for many years. Oregon's involvement in public safety broadband began with the issuance by the Federal Communications Commission (FCC) of the National Broadband Plan. As a result, state and local government agencies were allowed to apply for waivers to use the Public Safety Broadband (PSBB) Block spectrum to build long-term evolution networks that would interoperate with the proposed 700 MHz national broadband system. In May 2010, Oregon and 20 other governmental entities received waiver authorization from the FCC to use this spectrum. In addition, Oregon has been an active participant through the State Broadband Initiative, providing the National Telecommunications and Information Administration (NTIA) with broadband carrier data collection, mapping and planning activities.

In June 2010, Oregon applied for but did not receive grant funding from the U.S. Department of Commerce NTIA's Broadband Technology Opportunities Program to build a state Public Safety Broadband Network (PSBN). In December 2011, Oregon released a Request for Information through the Oregon Department of Transportation (ODOT) Office of Innovative Partnerships Program seeking a public-private partnership to establish a public safety broadband pilot project in the state. However, with the advent of the First Responder Network Authority (FirstNet) legislation<sup>1</sup>, the PSBB Block waivers were recalled by the FCC<sup>2</sup>. Oregon subsequently suspended its PSBB Block pilot planning activities pending the organization and implementation of FirstNet.

State of Oregon staff, a small group of stakeholders and prospective partners met with FirstNet on Dec. 5, 2012, to discuss outreach and engagement as well as current data collected and available to support future discussion. Oregon continues to develop its FirstNet planning efforts and focus its plans for stakeholder engagement and education for the near term. Overseeing FirstNet implementation in Oregon will be a complex undertaking that combines elements of policy, technology, advocacy and access to resources. A broad mix of skill sets will be required, including oversight and governance, leadership (at the highest levels of state and local governments), management (administration, technical and fiduciary responsibility), and stakeholder participation (agencies, governments and end-users).

Based on Oregon's initial discussion with FirstNet and feedback from local stakeholders, we have concluded that Oregon's State Interoperability Executive Council (SIEC) is the logical choice for coordination of governance for FirstNet. The Oregon SIEC, created by Governor's Executive Order 02-17 in 2002<sup>3</sup>, is charged with improving and developing interoperable public safety communication systems in Oregon. Through the governor, SIEC advisory recommendations form public safety communication policy in Oregon. The SIEC is the ideal governance structure to engage key stakeholders in the public safety community across Oregon, receiving inputs and communicating information locally regarding the rapidly evolving National Public Safety Broadband Network opportunity.

To facilitate day-to-day program management and coordination activities with FirstNet for Oregon, the state has established an interim Oregon Public Safety Broadband Office (OPSBO) to be advised by the

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<sup>1</sup> Title VI of Public Law 112-96. This law includes provisions funding and governing the NPSBN; reallocating the 700 MHz D Block spectrum to public safety; and authorizing the FCC to auction spectrum to raise \$7 billion in support of the NPSBN. The law also establishes FirstNet within NTIA to oversee planning, construction and operation of the NPSBN.

<sup>2</sup> FirstNet will administer the 20 MHz expanded spectrum; 10 MHz PSBB Block + 10 MHz D Block.

<sup>3</sup> Executive Order 02-17 was codified in Oregon Revised Statute 403.450.

## Feasibility Statement

SIEC. The Statewide Interoperability Coordinator (SWIC) is part of this office, serving as the single point of contact to FirstNet in accordance with the legislation.

The OPSBO currently resides within ODOT’s Major Projects Branch. The OPSBO performs as administrative and financial manager for Oregon’s PSBN, with ODOT as the state agency that is assigned contracting authority to execute the implementation planning grant. Pending legislative action<sup>4</sup>, the SIEC, the OPSBO and the SWIC will migrate to the Oregon Department of Administrative Services (DAS). **Regardless of the outcome of the proposed legislation, ODOT and DAS are committed collaborators in furthering public safety broadband and in the implementation of the SLIGP.**

Staff resources aligned with the OPSBO proposed in support of the SLIGP are as follows:

### Grant-funded positions

Position Classification	Position Title	Proposed Duties
Principal Executive Manager F (PEMF) – 60% grant funded	Statewide Interoperability Coordinator (SWIC)	SLIGP project coordinator
Operations and Policy Analyst 4 (OPA4) – 100% grant funded	Outreach Coordinator	Coordinate staff and consultant stakeholder outreach efforts
Administrative Specialist 2 (AS2) – 100% grant funded	Project Administrative Assistant	General administration and coordination

### Match in Kind positions (partial FTE assumed)

Position Classification	Position Title	Proposed Duties
Principal Executive Manager G (PEMG) – 35% allowable	Deputy State Chief Information Officer (DAS)	SLIGP project coordination
Operations and Policy Analyst 4 (OPA4) – 35% allowable	SBI Program Manager (DAS)	Align state broadband initiative with SLIGP
Operations and Policy Analyst 3 (OPA3) – 10% allowable	Fiscal Manager (ODOT)	SLIGP budget administration
Operations and Policy Analyst 3 (OPA3) – 10% allowable	Quality Manager (ODOT)	Technical reviews of OPSBO deliverables & compliance
Fiscal Analyst 3 (FA3) – 10% allowable	Fiscal Coordinator (ODOT)	SLIGP budget administration and reimbursements
Administrative Specialist 2 – 10% allowable	Program Support Specialist (ODOT)	Administrative support to set up meetings, minutes, etc.

### Grant-funded consulting services

Outreach, Phase 1

Data Collection, Phase 2 – as needed to augment existing cross-agency state staff and dependent upon further SLIGP guidance

<sup>4</sup> Oregon 2013 Legislature, Introduced Senate Bill 665. This measure also includes SIEC membership additions for broadband inclusion and alignment.

## Feasibility Statement

- Senior Project Manager
- Outreach Planner – three positions
- Project Manager/Coordinator – per need
- Senior Project Manager
- Program Manager/Coordinator – two positions
- Program Analyst

### **Cross-agency staff**

The cross-agency team is existing staff within state agencies and key local government and tribal stakeholders (e.g. SIEC members) working in coordination with the OPSBO. More specific resource allocation and utilization will be determined once specifications and information are made available to Oregon from FirstNet. This group, depending on further SLIGP Phase 2 information, may include Oregon's existing broadband mapping project staff to assist in data collection and reporting efforts for SLIGP.

**BUDGET INFORMATION - Non-Construction Programs**

OMB Number: 4040-0006  
Expiration Date: 06/30/2014

**SECTION A - BUDGET SUMMARY**

Grant Program Function or Activity (a)	Catalog of Federal Domestic Assistance Number (b)	Estimated Unobligated Funds		New or Revised Budget		
		Federal (c)	Non-Federal (d)	Federal (e)	Non-Federal (f)	Total (g)
1. 2013 NTIA SLIGP	11.549	\$	\$	\$ 2,148,448.00	\$ 537,112.00	\$ 2,685,560.00
2.						
3.						
4.						
5. Totals		\$	\$	\$ 2,148,448.00	\$ 537,112.00	\$ 2,685,560.00

**SECTION B - BUDGET CATEGORIES**

6. Object Class Categories	GRANT PROGRAM, FUNCTION OR ACTIVITY				Total (5)
	(1)	(2)	(3)	(4)	
	2013 NTIA SLIGP	N/A	N/A	N/A	
<b>a. Personnel</b>	\$ 620,964.00	\$ 344,581.00	\$	\$	\$ 965,545.00
<b>b. Fringe Benefits</b>	167,339.00	90,190.00			257,529.00
<b>c. Travel</b>	167,400.00	30,841.00			198,241.00
<b>d. Equipment</b>					
<b>e. Supplies</b>	5,400.00				5,400.00
<b>f. Contractual</b>	1,187,345.00				1,187,345.00
<b>g. Construction</b>					
<b>h. Other</b>		71,500.00			71,500.00
<b>i. Total Direct Charges (sum of 6a-6h)</b>	2,148,448.00	537,112.00			\$ 2,685,560.00
<b>j. Indirect Charges</b>					\$
<b>k. TOTALS (sum of 6i and 6j)</b>	\$ 2,148,448.00	\$ 537,112.00	\$	\$	\$ 2,685,560.00
<b>7. Program Income</b>	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$

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SECTION C - NON-FEDERAL RESOURCES					
(a) Grant Program	(b) Applicant	(c) State	(d) Other Sources	(e)TOTALS	
8. 2013 NTIA SLIGP	\$ 537,112.00	\$	\$	\$ 537,112.00	
9.					
10.					
11.					
<b>12. TOTAL (sum of lines 8-11)</b>	<b>\$ 537,112.00</b>	<b>\$</b>	<b>\$</b>	<b>\$ 537,112.00</b>	
SECTION D - FORECASTED CASH NEEDS					
	Total for 1st Year	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter
13. Federal	\$	\$	\$	\$	\$
14. Non-Federal	\$	\$	\$	\$	\$
<b>15. TOTAL (sum of lines 13 and 14)</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
SECTION E - BUDGET ESTIMATES OF FEDERAL FUNDS NEEDED FOR BALANCE OF THE PROJECT					
(a) Grant Program	FUTURE FUNDING PERIODS (YEARS)				
	(b)First	(c) Second	(d) Third	(e) Fourth	
16.	\$	\$	\$	\$	
17.					
18.					
19.					
<b>20. TOTAL (sum of lines 16 - 19)</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	
SECTION F - OTHER BUDGET INFORMATION					
21. Direct Charges:		22. Indirect Charges:			
23. Remarks: See attached Detailed Budget Justification and accompanying workbook spreadsheets. SF 424A revised on June 7, 2013.					

## ODOT: SLIGP Detailed Budget Spreadsheet

Category	Detailed Description of Budget (for full grant period)			Breakdown of Costs	
	Quantity	Unit Cost	Total Cost	Federal	Non-Federal
<b>a. Personnel</b>					
SWIC The SWIC will spend 60% of the time on SLIGP grant activities for 3 years. The SWIC's annual salary is \$119,460 based on monthly estimated salary.	3 years	\$71,676	\$215,028	\$215,028	
Outreach Coordinator One outreach coordinator will spend 100% of the time on SLIGP Grant activities for 3 years. The Outreach Coordinator's annual salary is \$89,256.	3 years	\$89,256	\$267,768	\$267,768	
Project Administrative Assistant One project administrative assistant will spend 100% of the time on SLIGP Grant activities for 3 years. The Project Administrative Assistant Annual Salary is \$46,056.	3 years	\$46,056	\$138,168	\$138,168	
DAS Deputy CIO IT chargeable at 35% of the monthly salary of \$12,096	3 years	\$50,803	\$152,410		\$152,410
DAS Project Manager chargeable at 35% of a monthly salary of \$7,438	3 years	\$31,240	\$93,719		\$93,719
ODOT Fiscal Manager chargeable at 10% of a monthly salary of \$6,760	3 years	\$8,112	\$24,336		\$24,336
ODOT Quality Manager chargeable at 10% of a monthly salary of \$6,760	3 years	\$8,112	\$24,336		\$24,336
ODOT Administration chargeable at 10% of a monthly salary of \$3,838	3 years	\$4,606	\$13,817		\$13,817
ODOT Fiscal Coordinator chargeable at 10% of a monthly salary of \$6,760	3 years	\$8,112	\$24,336		\$24,336
DAS Deputy CIO IT chargeable pre-award chargeable at \$69.90/hr	20 hrs	\$69.90	\$1,398		\$1,398
DAS Project Manager chargeable pre-award chargeable at \$42.91/hr	30 hrs	\$42.91	\$1,287		\$1,287
ODOT SWIC Manager/Project Coordinator pre-award chargeable at \$57.43/hr	70 hrs	\$57.43	\$4,020		\$4,020
ODOT Fiscal Manager pre-award chargeable at \$39.00/hr	12 hrs	\$39.00	\$468		\$468
ODOT Quality Manager pre-award chargeable at \$39.00/hr	87 hrs	\$39.00	\$3,393		\$3,393
ODOT Administration pre-award chargeable at \$22.20/hr	13 hrs	\$22.20	\$289		\$289
ODOT Communications Manger pre-award chargeable at \$42.91/hr	18 hrs	\$42.91	\$772		\$772
<b>Total Personnel</b>			<b>\$965,645</b>	<b>\$620,964</b>	<b>\$344,581</b>
<b>b. Fringe Benefits</b>	<b>Quantity</b>	<b>Unit Cost</b>	<b>Total Cost</b>	<b>Federal</b>	<b>Non-Federal</b>
SWIC/Project Coordinator Fringe at 24%	\$215,028	24.0%	\$51,607	\$51,607	
Outreach Coordinator Fringe @ 24.8%	\$267,768	24.8%	\$66,406	\$66,406	
Project Administrative Assistant Fringe @ 35.7%	\$138,168	35.7%	\$49,326	\$49,326	
DAS Deputy CIO IT Fringe @ 24.8%	\$152,410	24.8%	\$37,798		\$37,798
DAS Project Manager Fringe at 24.8%	\$93,719	24.8%	\$23,242		\$23,242
ODOT Fiscal Manager Fringe at 29%	\$24,336	29.0%	\$7,057		\$7,057
ODOT Quality Manager Fringe at 29%	\$24,336	29.0%	\$7,057		\$7,057
ODOT Administration Fringe at 35.7%	\$13,817	35.7%	\$4,933		\$4,933
ODOT Fiscal Coordinator Fringe @ 29%	\$24,336	29.0%	\$7,057		\$7,057
DAS Deputy CIO IT chargeable pre-award Fringe	\$1,398	24.8%	\$347		\$347
DAS Project Manager chargeable pre-award Fringe	\$1,287	24.8%	\$319		\$319

ODOT SWIC Manager/Project Coordinator pre-award fringe	\$4,020	24.0%	\$965		\$965
ODOT Fiscal Manager pre-award Fringe @	\$468	29.0%	\$136		\$136
ODOT Quality Manager pre-award charables at \$39.00/hr	\$3,393	29.0%	\$984		\$984
ODOT Administration pre-award chargeable at \$22.20/hr	\$289	35.7%	\$103		\$103
ODOT Communications Manger pre-award chargeable at \$42.91/hr	\$772	24.8%	\$192		\$192
<b>Total Fringe Benefits</b>			<b>\$257,529</b>	<b>\$167,339</b>	<b>\$90,190</b>
<b>c. Travel</b>	<b>Quantity</b>	<b>Unit Cost</b>	<b>Total Cost</b>	<b>Federal</b>	<b>Non-Federal</b>
Intrastate Trips: 200 1-day and 100 2-day trips over the 3-year period. Hotel, meals \$150 per diem per trip.	300	\$150	\$45,000	\$45,000	
National Trips: 4 events per year for 8 participants. Hotel, airfare, car, meals per person \$1,200 or \$9,600 per meeting. Total \$38,400 per year	3	\$38,400	\$115,200	\$115,200	
SIEC Reimbursed Travel - intrastate: 16 trips per year for 1 participant. Hotel, meals \$150 per diem per trip.	48	\$150	\$7,200	\$7,200	
Outreach: State Rental Pool Vehicles over the 3 year period a total estimate of 200 Intra-state day trips & 100 Intra-state trips 2-day per year. Day trips at \$70.76/trip and 2-day trips at \$166.91/trip. 200 Intra-state day trips estimate \$14,150 and 100 Intra-state day trips estimate \$16,691 for a total cost estimate of \$30,841	1	\$30,841	\$30,841		\$30,841
<b>Total Travel</b>			<b>\$198,241</b>	<b>\$167,400</b>	<b>\$30,841</b>
<b>d. Equipment</b>	<b>Quantity</b>	<b>Unit Cost</b>	<b>Total Cost</b>	<b>Federal</b>	<b>Non-Federal</b>
N/A	0	\$0	\$0	\$0	\$0
<b>Total Equipment</b>			<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>e. Supplies</b>	<b>Quantity</b>	<b>Unit Cost</b>	<b>Total Cost</b>	<b>Federal</b>	<b>Non-Federal</b>
Office Supplies budgeted at \$150/month for 3 years.	36	150	\$5,400	\$5,400	
<b>Total Supplies</b>			<b>\$5,400</b>	<b>\$5,400</b>	<b>\$0</b>
<b>f. Contractual</b>	<b>Quantity</b>	<b>Unit Cost</b>	<b>Total Cost</b>	<b>Federal</b>	<b>Non-Federal</b>
Contract services for Outreach and Education efforts. Phase I.	1	\$593,673	\$593,673	\$593,673	\$0
Phase II efforts to be determined.	1	\$593,672	\$593,672	\$593,672	
<b>Total Contractual</b>			<b>\$ 1,187,345</b>	<b>\$1,187,345</b>	<b>\$0</b>
<b>g. Construction</b>	<b>Quantity</b>	<b>Unit Cost</b>	<b>Total Cost</b>	<b>Federal</b>	<b>Non-Federal</b>
N/A			\$0	\$0	\$0
<b>Total Construction</b>			<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>h. Other</b>	<b>Quantity</b>	<b>Unit Cost</b>	<b>Total Cost</b>	<b>Federal</b>	<b>Non-Federal</b>
Legal Fees 500 hours over the 3-year period at \$143/hour. Oregon Department of Justice work efforts are assumed to include, but not be limited to, review of consultant contracts, IGA/MOU template and individual reviews and review of site occupancy partnerships and/or leasing agreements.	500	\$143	\$71,500		\$71,500
<b>Total Other</b>			<b>\$71,500</b>		<b>\$71,500</b>
<b>Total Direct Charges</b>			<b>\$2,685,560</b>	<b>\$2,148,448</b>	<b>\$537,112</b>
<b>i. Indirect Costs</b>	<b>Quantity</b>	<b>Unit Cost</b>	<b>Total Cost</b>	<b>Federal</b>	<b>Non-Federal</b>
N/A			\$0	\$0	\$0
<b>Total Indirect</b>			<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>TOTALS</b>			<b>\$2,685,560</b>	<b>\$2,148,448</b>	<b>\$537,112</b>

Position	Current Staff in Position	Position Title	Participation Assumptions	State Classification	Top Step Monthly	Top Step Hourly	Other Payroll Expenses %	Other Payroll Expenses Hourly	Total Hourly Salary	% of Employee Time	TOTAL FOR 3 YRS
ODOT - SWIC	Noel	SWIC/Project Coordinator	3 yrs nte 60%	PEMF	9,955.00	57.43	24.00%	13.78	71.22	0.60	266,634.72
ODOT - New	New Position	Outreach Coordinator	3 yrs nte 100%	OPA4	7,438.00	42.91	24.80%	10.64	53.55	1.00	334,174.46
ODOT - New	New Position	Project Administrative Assistant	3 yrs nte 100%	AS2	3,838.00	22.20	35.70%	7.93	30.13	1.00	187,978.88
<b>SLIGP Proposed Positions</b>											788,788

**Assumptions:**  
Salaries for positions listed are top step.

**Discussion Notes:**  
New Positions may be filled with existing or new staff.

Position	Current Staff in Position	Position Title	Participation Assumptions	State Classification	Top Step Monthly	Top Step Hourly	Other Payroll Expenses %	Other Payroll Expenses Hourly	Total Hourly Salary	% of Employee Time	TOTAL FOR 3 YRS
DAS - CIO - IT	McSpaden	Deputy CIO	3 yrs nte 35%	PEM G	12,096.00	69.90	24.80%	17.34	87.24	0.35	190,207.18
DAS - Project Manager - IT	Arabas	SBI Program Manager	3 yrs nte 35%	OPA4	7,438.00	42.91	24.80%	10.64	53.55	0.35	116,961.06
ODOT - Fiscal Manager	French	Fiscal Manager	3 yrs nte 10%	OPA3	6,760.00	39.00	29.00%	11.31	50.31	0.10	31,393.44
ODOT - Quality Manager	Hart-Chambers	Quality Manager	3 yrs nte 10%	OPA3	6,760.00	39.00	29.00%	11.31	50.31	0.10	31,393.44
ODOT - Administration	Sturges	Program Support Assistant	3 yrs nte 10%	AS2	3,838.00	22.20	35.70%	7.93	30.13	0.10	18,749.40
ODOT - Fiscal Coordinator	Scofield	Grant Manager - Fiscal	3 yrs nte 10%	FA3	6,760.00	39.00	29.00%	11.31	50.31	0.10	31,393.44
<b>Personal Services Match</b>											<b>420,098</b>
<b>Estimated Billed Legal Fees Match</b>											<b>71,500</b>
		500 hours @ 143/hr									
<b>Qualifying Miscellaneous Charges Match</b>		<b>Pool Vehicle Rental Costs - 300 trips</b>									<b>30,843</b>
<b>Pre-Award Qualifying Cost Charges Match</b>		<b>Staff Time</b>									<b>14,673</b>
<b>Total In-Kind Match</b>											<b>537,112</b>
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Grant	2,148,448										
Match at 25%	537,112										
<b>Total Budget</b>	<b>2,685,560</b>										

**Assumptions:**

Salaries for positions listed are top step.  
Staff named are based on current staffing levels. Actual assigned staff could be different.  
Year 3 SBI Staff, Classifications ISS8, ISS6 and ISS6 are subject to future inclusion as cross-function team.

**Discussion Notes:**

The minimum in-kind match is \$537,112

The balance of the match anticipated to be covered by Department of Justice legal fees and other qualifying related miscellaneous charges.

Oregon Department of Justice invoices state agencies at \$143/hour. We conservatively estimate that this project will incur 500 hours of billable charges over its three years.

Oregon Department of Justice work efforts are assumed to include but not be limited to review of consultant contracts, IGA/MOU template and individual reviews and review of site occupancy partnerships and/or leasing agreements

Miscellaneous qualifying charges include, but are not limited to, rental vehicle pool costs billed through DAS for state vehicles used in Outreach. See separate DAS Vehicle Rental Cost tab.  
Pre-award allowable costs detailed in a separate tab.

Position	Current Staff in Position	Position Title	Estimated Hours	State Classification	Top Step Monthly	Top Step Hourly	Other Payroll Expenses %	Other Payroll Expenses Hourly	Total Hourly Salary	TOTAL Estimated Cost of Application
DAS - CIO - IT	McSpaden	Deputy CIO	20	PEM G	12,096.00	69.90	24.80%	17.34	87.24	1,744.70
DAS - Project Manager - IT	Arabas	SBI Program Manager	30	OPA4	7,438.00	42.91	24.80%	10.64	53.55	1,606.64
ODOT - SWIC	Noel	SWIC/Project Coordinator	70	PEMF	9,955.00	57.43	24.00%	13.78	71.22	4,985.25
ODOT - Fiscal Manager	French	Fiscal Manager	12	OPA3	6,760.00	39.00	29.00%	11.31	50.31	603.72
ODOT - Quality Manager	Hart-Chambers	Quality Manager	87	OPA3	6,760.00	39.00	29.00%	11.31	50.31	4,376.97
ODOT - Administration	Sturges	Program Support Assistant	13	AS2	3,838.00	22.20	35.70%	7.93	30.13	391.63
ODOT - Communications	Jones-Jackley	Communications Manager	18	OPA4	7,438.00	42.91	24.80%	10.64	53.55	963.98
<b>Personal Services Match</b>			250							\$ 14,672.90

**Assumptions:**

Salaries for positions listed are estimated using the top step.

Hours included are estimated based from the initial opening through application and for submittal clarifications and re-submittal.

None of the positions is federally funded or uses their hours for match on federally funded projects.

**Travel Budget - Per Diem Costs Reimbursable**

**National Trips**

Number of Events per Year	Number of Participants	Per Person Costs (air, car, meals & hotel)	Annual National Travel	Total 3 Year Estimate	Phase 1	Phase II
4	8	\$ 1,200.00	\$ 38,400.00	\$ 115,200.00	\$ 57,600.00	\$ 57,600.00

**Intra-State Trips**

Number of Trips per Year	Number of Participants	Per Person Costs (meals & hotel)	Annual Travel	Total 3 Year Estimate		
33 each 2-day	1	\$ 150.00	\$ 5,000.00	\$ 15,000.00	\$ 22,500.00	\$ 22,500.00
67each 1-day	1	\$ 150.00	\$ 10,000.00	\$ 30,000.00	\$ 22,500.00	\$ 22,500.00

**SIEC Reimbursed Travel - Intra-State**

Number of Trips per Year	Number of Participants	Per Person Costs (meals & hotel)	Annual Travel	Total 3 Year Estimate		
16	1	\$ 150.00	\$ 2,400.00	\$ 7,200.00	\$ 3,600.00	\$ 3,600.00

**Total Travel**

<b>\$ 55,800.00</b>	<b>\$ 167,400.00</b>	\$ 83,700.00	\$ 83,700.00
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**Notes**

GSA rates reimbursed, based on historic average for national travel by SWIC  
 National participants and events are shown as average  
 Intra-state vehicle rental costs not included -see separate tab in support of match  
 Some trips will have multiple representatives  
 Oregon's size and rural nature lead to extended intrastate travel, with trips over 400 miles assumed to be 2 days and include overnight stay.  
 GSA rates reimbursed based on average of \$123 per day standard rates and up to \$179 per day special  
 Only 1 SIEC representative assumed per trip

**2011-2013  
Fleet Rate Model  
Daily Rental Cost**

*Revised: 3/13/2013*

**Fill in Estimated Amounts Here:**

**Days:** 1 Fill in your estimated days of vehicle use.  
**Miles:** 90 Fill in your estimated mileage for your trip.

Mileage esti <http://oregon.gov/DAS/EAM/FPS/triptools.aspx>

**DAS Daily Rental**

	CNG Sedan	Standard Sedan	Camry Hybrid	SUV	7 Pass Van	12 Pass Van	Cargo Van	Pickup
DAS Daily Rate	\$ 40.00	\$ 40.00	\$ 40.00	\$ 60.00	\$ 60.00			
Total Rental Charge	\$ 40.00	\$ 40.00	\$ 40.00	\$ 60.00	\$ 60.00			
Avg. Fuel Cost per Gallon	\$ 1.14	\$ 3.50	\$ 3.50	\$ 3.50	\$ 3.50			
Avg. Highway Miles per Gallon	23.1	28.4	36.5	23.1	19.9			
Avg. Fuel Cost per Mile	\$ 0.05	\$ 0.12	\$ 0.10	\$ 0.15	\$ 0.18			
Total Estimated Fuel Charges	\$ 4.44	\$ 11.09	\$ 8.63	\$ 13.64	\$ 15.83			
Total Cost per Mile	\$ 0.49	\$ 0.57	\$ 0.54	\$ 0.82	\$ 0.84			
<b>Total Travel Cost</b>	<b>\$ 44.44</b>	<b>\$ 51.09</b>	<b>\$ 48.63</b>	<b>\$ 73.64</b>	<b>\$ 75.83</b>			

The cost of fuel will vary based on fueling location.  
 Average miles per gallon will vary depending on vehicle type, type of travel e.g., highway vs. city, and driving style.  
 Daily rates are subject to change and vary depending on vehicle type.  
 Vehicle costs and averages are subject to change.

**Insurance Disclaimer:** [http://arcweb.sos.state.or.us/rules/OARS\\_100/OAR\\_125/125\\_155.html](http://arcweb.sos.state.or.us/rules/OARS_100/OAR_125/125_155.html)  
 State of Oregon is not liable for damage to privately owned vehicles.  
 Be sure your personal auto insurance is in effect when driving on state business.

Average Fuel Price (as of 3/13/13)	
CNG	\$1.14 per gallon
DAS Avg Unleaded	\$3.50 per gallon
Oregon Avg Unleaded	\$3.80 per gallon

**Vehicle Cost for Intra-State Travel**

Trip Destination Examples	Round Trip Miles	Cost Est.(1)
Portland	90	\$ 62.30
Eugene	130	\$ 63.49
Newport	170	\$ 68.26
Bend	265	\$ 79.58
Roseburg	270	\$ 80.18
Medford (2)	450	\$ 149.63
Klamath Falls (2)	470	\$ 152.01
LaGrande (2)	610	\$ 168.70
Ontario (2)	850	\$ 197.30

**Average 1 day trip estimate** \$ 70.76  
**Average 2 day trip estimate** \$ 166.91

(1) Cost Estimate is based on the mean of rates, not inclusive of 'grayed out' vehicle types  
 (2) Overnight trip assumed, Travel reimbursement on separate sheet

200 Intra-state day trips \$ 14,150  
 100 Intra-state trips 2-day \$ 16,691  
**\$ 30,841**

Fuel Escalation Buffer

Contract Estimate

**Project Activity - Phase 1 SLIGP**

	Labor Classification Senior Project Manager Hours - LOE	Fully loaded hourly rate estimated	Labor Classification Outreach Planner (Qty 3) Hours - LOE	Fully loaded hourly rate estimated	Labor Classification Project Manager/Coordinator Hours - LOE	Fully loaded hourly rate estimated	Labor Classification Program Analyst (Qty 2) Hours - LOE	Fully loaded hourly rate estimated	Total
SIEC Broadband Governance Expansion Facilitation Support	20	\$ 237		\$ 138	39	\$ 155		\$ 125	\$ 10,785
Outreach Procedures Development for Rural and Tribal Outreach Development Plan - Inc Stakeholder tiers including potential secondary users (e.g. utilities)	30	\$ 237	300	\$ 138	80	\$ 155		\$ 125	\$ 60,910
Develop Content for Outreach - presentations, FAQs, handouts, updating materials as FirstNet develops	40	\$ 237	350	\$ 138	120	\$ 155		\$ 125	\$ 76,380
Implement Tiered Outreach - meetings, webinars, email updates	25	\$ 237	80	\$ 138	150	\$ 155		\$ 125	\$ 40,215
Oregon's broadband planning documents (SCIP companion, broadband survey II, future to be determined)	50	\$ 237	1400	\$ 138	420	\$ 155		\$ 125	\$ 270,150
IGA and MOU template development and local entity stakeholder input meetings	70	\$ 237	25	\$ 138	50	\$ 155		\$ 125	\$ 27,790
IGA and MOU template development and secondary user and private stakeholder input meetings	60	\$ 237	250	\$ 138	100	\$ 155		\$ 125	\$ 64,220
<b>Subtotal</b>	40	\$ 237	160	\$ 138	75	\$ 155		\$ 125	\$ 43,224
									\$ 593,673

**Project Activity - Phase 2 SLIGP**

Post consultation with FirstNet. Consultant assistance anticipated to support allowable work for activities related to defining coverage needs, user requirements, network hardening and resiliency requirements and data collection	350	\$ 237		\$ 138	1198	\$ 155	2600	\$ 125	\$ 593,673
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**Total** \$ 1,187,346

**Notes**  
 Labor Classifications and rates used are blended averages from prior contracts  
 Hours LOE based on prior Goal 2 outreach and staff assessments

## Oregon Budget Justification

### ***Detailed Budget Justification***

*In addition to the Standard Form 424A Budget Information form, applicants must include a detailed budget justification. All budget information submitted with the application should match the dollar amounts on required Standard Form 424 and Standard Form 424A forms. Further information on preparation of the Budget Justification will be found below in Section E.4. (Not to exceed five pages in length, not counting spreadsheets).*

### ***E.4. Detailed Budget Justification.***

*The budget narrative must provide sufficient explanation of each budget category in order to establish the need for the funds in each category, and the basis for figures used. The budget narrative must be accompanied by a spreadsheet listing itemized costs by category (e.g., salary, supplies, equipment, travel, contractual, indirect) supporting how the budget request was calculated. Spreadsheets must be formatted to fit letter-sized paper (8.5" x 11"). A budget justification in narrative form must also be provided to explain and justify all project costs, including contractual costs. This narrative must be organized to clearly correspond to the information provided in the budget table or spreadsheet. Detail provided in the spreadsheet and/or the narrative must also be sufficient so that reviewers can interpret how costs were estimated or calculated, especially for costs over \$5,000 (including any contractual costs). The budget narrative (and the Standard Form 424A form) and spreadsheet must clearly distinguish those costs proposed to be supported with federal funds as well as those costs contributed by the applicant as the non-federal match.*

We have provided a Microsoft Excel workbook with worksheets for:

- Detailed Budget
- SLIGP-covered staffing
- Match In-Kind
- Preaward Costs
- Travel estimate
- DAS vehicle rental cost estimate
- Contractual

### **Non-Federal Share**

Based on the federal allocation of **\$2,148,448** in funding included in the table on page 7 as revised adjusted for sequestration of the SLIGP, Oregon's minimum non-federal share for match is **\$537,112** (total award amount of \$2,685,560). To provide the non-federal share (match) for the federal funds, Oregon will use existing staff time (match in kind) from the following positions (detailed estimate is included):

### **Position roles for SLIGP implementation staff used for match in kind.**

#### DAS CIO SLIGP Duties:

- Coordinates national level activities with NASCIO and statewide CIO community relative to FirstNet efforts – engaging in national, regional, and statewide outreach and education efforts.
- Oversees the Office that provides the foundation for the development of the Oregon Public Safety Broadband Office.
- Works in strong collaboration with the single point of contact for FirstNet. Maintains knowledge of current trends and developments in the broadband field, including serving on state, local, regional and national committees and attending related seminars and conferences.

## Oregon Budget Justification

- Helps to bridge the digital divide on all broadband projects currently being worked in our state and how FirstNet will interact on that development. Spends considerable time on FirstNet outreach efforts with the Oregon State Legislature and local governments.
- Participates in the evaluation of new technologies or solutions to improve service and efficiency.
- Leadership role for FirstNet on the Oregon SIEC.

### DAS IT Project Manager SLIGP Duties:

- Supports outreach and education efforts on FirstNet. Through coordination of activities on the state broadband initiative program - helps the Oregon Public Safety Broadband Office work with public safety communities in rural and frontier areas of Oregon where broadband services are not available.
- Participates in outreach and education discussions on FirstNet and on a per need basis dependent upon follow-up questions from our stakeholders.
- Leverages existing contacts throughout Oregon to assist in our planning engagements with stakeholders.
- Assists our financial grant management team in the management of our SLIGP grant efforts.
- Will be critical in our implementation of the phase 2 portion of SLIGP.

### ODOT Fiscal Manager SLIGP Duties:

- Strategic level responsibility for maintaining fiscal oversight of Oregon's SLIGP grant, and ensuring that match in kind and grant expenditures are in accordance with Oregon and Federal administrative guidelines.
- Responsible for high level budget coordination of SLIGP grant activities between the feds, and state agencies.
- Works in a matrix environment in support of the SLIGP grant.

### ODOT Quality Manager SLIGP Duties:

- Assist with contractor oversight in support of outreach and education to include phase 2 activities.
- Key liaison for the Oregon Public Safety Broadband Office ensuring coordination between state agencies.
- Local POC for the ODOT fiscal Office to assist with the SLIGP grant monitoring and utilization.

### ODOT Administration SLIGP Duties:

- Assist with the maintenance and record-keeping systems for the Oregon Public Safety Broadband Office.
- Assists with planning agenda and presentations and arranges for necessary facilities, equipment and travel plans.
- Researches and collects data from reports, files, databases and other sources and distributes data or reports within established time frames, receiving and consolidating feedback into final reports.
- Primary backup to the administrative support for Oregon Public Safety Broadband Office.

### ODOT Fiscal Coordinator SLIGP Duties:

- Operational level grants budget management for the SLIGP Grant.
- Inputs financial transactions for Oregon Public Safety Broadband Office and grant-related activities in coordination with cross-functional financial team members.

## Oregon Budget Justification

- Coordinates financial match in kind transactions for each spend period associated with the SLIGP grant guidance
- Reconciles grant budget activities on at least a quarterly basis and is responsible for the development of the financial reports required by SLIGP.
- Works closely with the ODOT fiscal Manager on the SLIGP grant effort, and with the Oregon Public Safety Broadband Office.

Position	Position Title	State Classification
DAS - CIO - IT	Deputy CIO	PEM G
DAS - Project Manager - IT	SBI Program Manager	OPA4
ODOT - Fiscal Manager	Fiscal Manager	OPA3
ODOT - Quality Manager	Quality Manager	OPA3
ODOT - Administration	Program Support Assistant	AS2
ODOT - Fiscal Coordinator	Grant Manager - Fiscal	FA3

Pre-award personnel match cost estimate for original application and clarifying revisions have been supplied in the detailed workbook on a separate tab, by position and include the cost associated for their fringe benefits. None of the staff are funded by federal funds.

Legal costs through the Oregon Department of Justice (DOJ) will be considered part of Oregon’s match. DOJ services are separately invoiced back to each agency. Services from DOJ may include but are not limited to providing business advice related to the review of SLIGP award terms and conditions, assistance in development of template documents (e.g. leases, intergovernmental agreements, memoranda of understanding, etc.), and reviewing contracts and amendments with consultants for the development of our outreach and data collection. The remainder of our match in kind will be DAS-billed rental vehicles for intra-state travel for outreach and education efforts - and allowable staff costs for pre-award SLIGP application work.

### Personnel Costs

The SLIGP is planned to fund 60% of the SWIC and two full-time employees (FTE) for the funding period. These positions represent the core Oregon Public Safety Broadband Office (OPSBO). Primary work efforts associated with these positions are under the development and operation of the OPSBO, aligning consultant resources, stakeholders and state agency personnel to work as a team. The OPSBO will oversee the outreach and data collection efforts during Phases 1 and 2. The three positions are:

Position	Position Title	State Classification
ODOT - SWIC	SWIC/Project Coordinator	PEMF
ODOT - New	Outreach Coordinator	OPA4
ODOT - New	Project Administrative Assistant	AS2

## Oregon Budget Justification

The budget for the FTE employees is **\$620,964** and fringe benefits are **\$167,339** (Excel worksheet attached).

FirstNet requires each state to have a single point of contact to act as a clearinghouse of information between the state, FirstNet and local government entities while working on the implementation of the NPSBN. Overseeing FirstNet implementation in Oregon will be a complex undertaking that combines policy, technology, advocacy and resource allocation. ODOT has established an interim interagency, collaborative OPSBO that will be expanded to act as the interface between the state and FirstNet.

Key tasks associated with the work of the OPSBO staff include:

- Planning, developing, scheduling and overseeing the total Oregon FirstNet Education and Stakeholder Awareness campaign that complements and extends national outreach efforts.
- Coordinating closely during campaign development and delivery with Chief Jeff Johnson the FirstNet board member responsible for outreach at the national level.
- Establishing with the SWIC and CIO Office target organizations to receive a briefing of the presentation material. Target organizations will be state, regional, local, tribal and rural as well as potential partners and secondary users.

See SLIGP Narrative Section 3.d for additional position discussion.

### Consultant Services

A consultant team consisting of a professional outreach and engagement specialist will assist the OPSBO team with stakeholder engagement in Phase 1 of the SLIGP grant. In Phase 2 when data collection is defined by FirstNet, a consultant team will be available to assist with data element collection. ODOT has flexible services contracts in place to rapidly assign and begin efforts. The consultant team is proposed to have a high-level staffing plan as follows:

#### Outreach - Phase 1

- Senior Project Manager
- Outreach Planner — three positions
- Project Manager/Coordinator

#### Preliminary Forecast for Data Collection and Analysis - Phase 2

- Senior Project Manager
- Project Manager/Coordinator — two positions
- Program Analyst

The cost estimate for the consultant work is **\$1,187,345** for the SLIGP performance period. The consultant would provide the following services for Phase 1 of the grant activities related to SLIGP. Information provided by the OPSBO will determine what methods of outreach would be needed for our stakeholders in each region of the state. The consultant team, working with internal and external sources, will develop a detailed plan to establish regional meetings with stakeholders.

Key aspects of this effort for Phase 1 are:

- Ensure messaging from FirstNet and NTIA is ready for dissemination to our stakeholders. (We want to be consistent with our stakeholder discussions, and having FirstNet's short-term plan will be critical for this effort.)

## Oregon Budget Justification

- Develop a strategy to engage stakeholders at established meetings attended by public safety personnel, maximizing time with local champions in the public safety arena. By leveraging quarterly Association of Public-Safety Communications Officials (APCO) conferences, sheriff’s conferences, fire chiefs conferences and other opportunities, the OPSBO staff and consultant team will increase connections with stakeholders.
- Schedule stakeholder meetings and develop briefing materials for presentations. Include OPSBO staff, SIEC members and leaders in government at the regional meetings.
- Leverage existing state resources for outreach opportunities with Web design capabilities, and establish social media (e.g. Twitter and Facebook) methods to aid in outreach.
- Revise and update Oregon’s business planning development, and align Oregon’s plan with FirstNet’s. Oregon’s broadband planning documents for FirstNet help with outreach engagement with our stakeholders and regional partners. The Oregon broadband planning document is an addendum to our State Communications Interoperability Plan (SCIP). Our broadband planning documents relate to Oregon’s work with public safety broadband and have references to FirstNet and SLIGP information as it is made available. The broadband planning documents will be updated throughout the SLIGP grant period and provide a foundation piece for our SLIGP outreach and education efforts. Oregon’s broadband planning document is available on the Oregon SIEC website.
- Work within the outreach activities to determine possible public-private partnership opportunities. Public private partnerships are envisioned to be discussed in the development of the SLIGP phase 2 efforts. As we work with stakeholders on the SLIGP requirements for memorandum of agreements with stakeholders and FirstNet to identify infrastructure sharing opportunities – we envision public private partnership opportunities will be a topic of discussion from our public safety stakeholders. These discussions will help us form our agreement templates for infrastructure sharing.

Phase 2 SLIGP activities TBD in coordination with the SLIGP grant office.

For additional information on estimating see the Contractual tab supporting the detailed estimate.

### Cost Projection Milestones for Consultant Services

#### Phase 1 First Year

No.	Project Initiative	Cost
1	Develop outreach plan	\$50,000
2	Implement outreach plan	\$150,000
3	Revise Oregon’s broadband planning documents	\$75,000
4	Facilitate IGA/MOU template development and stakeholder input	\$75,000
	<b>Subtotal</b>	<b>\$350,000</b>

#### Phase 1 / Phase 2 Second Year

No.	Project Initiative	Cost
1	Facilitate IGA/MOU template development and stakeholder input	\$80,000
2	Continue implementation of outreach with public and private stakeholders	\$70,000
3	SLPGP Phase 2 – Subject to further guidance	\$200,000
	<b>Subtotal</b>	<b>\$350,000</b>

## Oregon Budget Justification

### Phase 2 Third Year

No.	Project Initiative	Cost
1	SLIGP Phase 2 – Subject to further guidance	\$487,345
	<b>Subtotal</b>	<b>\$487,345</b>

<b>Total Consultant Services</b>	<b>\$1,187,345</b>
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### Travel Budget

The travel budget for the SLIGP proposal is based on U.S. General Services Administration (GSA) rates for travel. To support the travel costing, we performed an analysis of existing travel records for similar outreach. Our analysis indicates \$1,200 per individual is average for travel to a national conference lasting more than two days. In our plan, we intend to support an average of four national conferences per year relating to FirstNet and the NPSBN, either through NGA, Public Safety Communications Research (PSCR) or FirstNet, and may include APCO or GIS-related events that discuss FirstNet as a primary subject. The total proposed travel budget for the three-year performance of the SLIGP grant is **\$198,241**, as detailed below:

#### National (out of Oregon) Travel

To send an average of eight individuals to these conferences four times per year, with a cost average of \$1,200 per person per trip, results in expenditures of \$38,400 per year for three years, totaling **\$115,200**.

#### Intra-state Travel

Travel planning within Oregon is reserved for the OPSBO staff and reimbursable for SIEC members to participate in outreach meetings and conferences related to SLIGP work efforts. We estimate the three years to total **\$45,000**.

- We estimate \$15,000 per year for OPSBO staff covering lodging and meals. We have used \$150 estimated per travel day (using GSA rates of \$123 per day standard rates and up to \$179 per day for special areas) for 100 trips of 1 to 2 days per year of staff travel.
- Additionally, we anticipate supporting reimbursement for 16 days at the rate of \$150 estimated per travel day of SIEC member travel at \$2,400 per year, for a three-year total of **\$7,200**.

#### State Rental Pool Vehicles

In-state travel planning for OPSBO staff will rely on the use of the Department of Administrative Services (DAS) rental vehicle pool. This vehicle pool is established to support all State of Oregon agency personnel with their vehicular travel requirements. OPSBO staff will be required to use the DAS state vehicle rental pool in support of SLIGP education and outreach activities. We currently estimate a total of 200 one day trips and 100 two day trips in support of SLIGP activities. The overall cost for this service is projected to be **\$30,841.00** and will be part of the in in-kind match.

#### Supplies

The OPSBO group anticipates using a high volume of paper products and copying/printing capabilities to support the outreach and education efforts for SLIGP. Projections for supplies in this category for three years are **\$5,400**.

## Oregon Budget Justification

The following table shows total cost with projections by phase:

<b>Object Class Category</b>	<b>Phase 1</b>	<b>Phase 2</b>	<b>Totals</b>
<b>a. Personnel</b>			
Federal	\$310,482	\$310,482	\$620,964
Non-federal match in kind	\$172,290	\$172,291	\$344,581
<b>b. Fringe Benefits</b>			
Federal	\$83,669	\$83,670	\$167,339
Non-federal match in kind	\$45,095	\$45,095	\$90,190
<b>c. Travel</b>			
National meetings and conferences	\$57,600	\$57,600	\$115,200
Intra-state stakeholder meetings Outreach	\$22,500	\$22,500	\$45,000
Outreach participation including SIEC members	\$3,600	\$3,600	\$7,200
DAS vehicle rental match in kind	\$15,421	\$15,420	\$30,841
<b>d. Equipment</b>			
<b>e. Supplies</b>	\$2,450	\$2,450	\$5,400
<b>f. Contractual</b>			
Consultant Services	\$593,673	\$593,672	\$1,187,345
<b>g. Construction</b>			
<b>h. Other</b>			
Legal Services – Match in Kind	\$35,750	\$35,750	\$71,500
<b>j. Indirect Charges</b>			
<b>k. TOTAL</b>	<b>\$1,375,002</b>	<b>\$1,374,998</b>	<b>\$2,685,560</b>

## ASSURANCES - NON-CONSTRUCTION PROGRAMS

Public reporting burden for this collection of information is estimated to average 15 minutes per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Office of Management and Budget, Paperwork Reduction Project (0348-0040), Washington, DC 20503.

**PLEASE DO NOT RETURN YOUR COMPLETED FORM TO THE OFFICE OF MANAGEMENT AND BUDGET. SEND IT TO THE ADDRESS PROVIDED BY THE SPONSORING AGENCY.**

**NOTE:** Certain of these assurances may not be applicable to your project or program. If you have questions, please contact the awarding agency. Further, certain Federal awarding agencies may require applicants to certify to additional assurances. If such is the case, you will be notified.

As the duly authorized representative of the applicant, I certify that the applicant:

1. Has the legal authority to apply for Federal assistance and the institutional, managerial and financial capability (including funds sufficient to pay the non-Federal share of project cost) to ensure proper planning, management and completion of the project described in this application.
2. Will give the awarding agency, the Comptroller General of the United States and, if appropriate, the State, through any authorized representative, access to and the right to examine all records, books, papers, or documents related to the award; and will establish a proper accounting system in accordance with generally accepted accounting standards or agency directives.
3. Will establish safeguards to prohibit employees from using their positions for a purpose that constitutes or presents the appearance of personal or organizational conflict of interest, or personal gain.
4. Will initiate and complete the work within the applicable time frame after receipt of approval of the awarding agency.
5. Will comply with the Intergovernmental Personnel Act of 1970 (42 U.S.C. §§4728-4763) relating to prescribed standards for merit systems for programs funded under one of the 19 statutes or regulations specified in Appendix A of OPM's Standards for a Merit System of Personnel Administration (5 C.F.R. 900, Subpart F).
6. Will comply with all Federal statutes relating to nondiscrimination. These include but are not limited to: (a) Title VI of the Civil Rights Act of 1964 (P.L. 88-352) which prohibits discrimination on the basis of race, color or national origin; (b) Title IX of the Education Amendments of 1972, as amended (20 U.S.C. §§1681-1683, and 1685-1686), which prohibits discrimination on the basis of sex; (c) Section 504 of the Rehabilitation Act of 1973, as amended (29 U.S.C. §794), which prohibits discrimination on the basis of handicaps; (d) the Age Discrimination Act of 1975, as amended (42 U.S.C. §§6101-6107), which prohibits discrimination on the basis of age; (e) the Drug Abuse Office and Treatment Act of 1972 (P.L. 92-255), as amended, relating to nondiscrimination on the basis of drug abuse; (f) the Comprehensive Alcohol Abuse and Alcoholism Prevention, Treatment and Rehabilitation Act of 1970 (P.L. 91-616), as amended, relating to nondiscrimination on the basis of alcohol abuse or alcoholism; (g) §§523 and 527 of the Public Health Service Act of 1912 (42 U.S.C. §§290 dd-3 and 290 ee- 3), as amended, relating to confidentiality of alcohol and drug abuse patient records; (h) Title VIII of the Civil Rights Act of 1968 (42 U.S.C. §§3601 et seq.), as amended, relating to nondiscrimination in the sale, rental or financing of housing; (i) any other nondiscrimination provisions in the specific statute(s) under which application for Federal assistance is being made; and, (j) the requirements of any other nondiscrimination statute(s) which may apply to the application.
7. Will comply, or has already complied, with the requirements of Titles II and III of the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970 (P.L. 91-646) which provide for fair and equitable treatment of persons displaced or whose property is acquired as a result of Federal or federally-assisted programs. These requirements apply to all interests in real property acquired for project purposes regardless of Federal participation in purchases.
8. Will comply, as applicable, with provisions of the Hatch Act (5 U.S.C. §§1501-1508 and 7324-7328) which limit the political activities of employees whose principal employment activities are funded in whole or in part with Federal funds.

9. Will comply, as applicable, with the provisions of the Davis-Bacon Act (40 U.S.C. §§276a to 276a-7), the Copeland Act (40 U.S.C. §276c and 18 U.S.C. §874), and the Contract Work Hours and Safety Standards Act (40 U.S.C. §§327-333), regarding labor standards for federally-assisted construction subagreements.
10. Will comply, if applicable, with flood insurance purchase requirements of Section 102(a) of the Flood Disaster Protection Act of 1973 (P.L. 93-234) which requires recipients in a special flood hazard area to participate in the program and to purchase flood insurance if the total cost of insurable construction and acquisition is \$10,000 or more.
11. Will comply with environmental standards which may be prescribed pursuant to the following: (a) institution of environmental quality control measures under the National Environmental Policy Act of 1969 (P.L. 91-190) and Executive Order (EO) 11514; (b) notification of violating facilities pursuant to EO 11738; (c) protection of wetlands pursuant to EO 11990; (d) evaluation of flood hazards in floodplains in accordance with EO 11988; (e) assurance of project consistency with the approved State management program developed under the Coastal Zone Management Act of 1972 (16 U.S.C. §§1451 et seq.); (f) conformity of Federal actions to State (Clean Air) Implementation Plans under Section 176(c) of the Clean Air Act of 1955, as amended (42 U.S.C. §§7401 et seq.); (g) protection of underground sources of drinking water under the Safe Drinking Water Act of 1974, as amended (P.L. 93-523); and, (h) protection of endangered species under the Endangered Species Act of 1973, as amended (P.L. 93-205).
12. Will comply with the Wild and Scenic Rivers Act of 1968 (16 U.S.C. §§1271 et seq.) related to protecting components or potential components of the national wild and scenic rivers system.
13. Will assist the awarding agency in assuring compliance with Section 106 of the National Historic Preservation Act of 1966, as amended (16 U.S.C. §470), EO 11593 (identification and protection of historic properties), and the Archaeological and Historic Preservation Act of 1974 (16 U.S.C. §§469a-1 et seq.).
14. Will comply with P.L. 93-348 regarding the protection of human subjects involved in research, development, and related activities supported by this award of assistance.
15. Will comply with the Laboratory Animal Welfare Act of 1966 (P.L. 89-544, as amended, 7 U.S.C. §§2131 et seq.) pertaining to the care, handling, and treatment of warm blooded animals held for research, teaching, or other activities supported by this award of assistance.
16. Will comply with the Lead-Based Paint Poisoning Prevention Act (42 U.S.C. §§4801 et seq.) which prohibits the use of lead-based paint in construction or rehabilitation of residence structures.
17. Will cause to be performed the required financial and compliance audits in accordance with the Single Audit Act Amendments of 1996 and OMB Circular No. A-133, "Audits of States, Local Governments, and Non-Profit Organizations."
18. Will comply with all applicable requirements of all other Federal laws, executive orders, regulations, and policies governing this program.
19. Will comply with the requirements of Section 106(g) of the Trafficking Victims Protection Act (TVPA) of 2000, as amended (22 U.S.C. 7104) which prohibits grant award recipients or a sub-recipient from (1) Engaging in severe forms of trafficking in persons during the period of time that the award is in effect (2) Procuring a commercial sex act during the period of time that the award is in effect or (3) Using forced labor in the performance of the award or subawards under the award.

<p>* SIGNATURE OF AUTHORIZED CERTIFYING OFFICIAL</p> <p>Steve Noel</p>	<p>* TITLE</p> <p>Director, Oregon Department of Transportation</p>
<p>* APPLICANT ORGANIZATION</p> <p>Transportation, Oregon Department of</p>	<p>* DATE SUBMITTED</p> <p>03/18/2013</p>

Standard Form 424B (Rev. 7-97) Back

Applicants should also review the instructions for certification included in the regulations before completing this form. Signature on this form provides for compliance with certification requirements under 15 CFR Part 28, 'New Restrictions on Lobbying.' The certifications shall be treated as a material representation of fact upon which reliance will be placed when the Department of Commerce determines to award the covered transaction, grant, or cooperative agreement.

**LOBBYING**

As required by Section 1352, Title 31 of the U.S. Code, and implemented at 15 CFR Part 28, for persons entering into a grant, cooperative agreement or contract over \$100,000 or a loan or loan guarantee over \$150,000 as defined at 15 CFR Part 28, Sections 28.105 and 28.110, the applicant certifies that to the best of his or her knowledge and belief, that:

- (1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.
- (2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, 'Disclosure Form to Report Lobbying,' in accordance with its instructions.
- (3) The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by section 1352, title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure occurring on or before October 23, 1996, and of not less than \$11,000 and not more than \$110,000 for each such failure occurring after October 23, 1996.

**As the duly authorized representative of the applicant, I hereby certify that the applicant will comply with the above applicable certification.**

**\* NAME OF APPLICANT**

Transportation, Oregon Department of

**\* AWARD NUMBER**

2013-NTIA SLIGP

**\* PROJECT NAME**

Oregon FirstNet Project

Prefix: Mr. \* First Name: Matthew Middle Name:

\* Last Name: Garrett Suffix:

\* Title: Director, Oregon Department of Transportation

\* SIGNATURE: Steve Noel

\* DATE: 03/18/2013

# DISCLOSURE OF LOBBYING ACTIVITIES

Complete this form to disclose lobbying activities pursuant to 31 U.S.C.1352

Approved by OMB  
0348-0046

<b>1. * Type of Federal Action:</b> <input type="checkbox"/> a. contract <input checked="" type="checkbox"/> b. grant <input type="checkbox"/> c. cooperative agreement <input type="checkbox"/> d. loan <input type="checkbox"/> e. loan guarantee <input type="checkbox"/> f. loan insurance	<b>2. * Status of Federal Action:</b> <input type="checkbox"/> a. bid/offer/application <input checked="" type="checkbox"/> b. initial award <input type="checkbox"/> c. post-award	<b>3. * Report Type:</b> <input checked="" type="checkbox"/> a. initial filing <input type="checkbox"/> b. material change
------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------

**4. Name and Address of Reporting Entity:**  
 Prime     SubAwardee

\* Name: Oregon Department of Transportation

\* Street 1: 3210 Del Webb Ave NE, Suite 110    \* Street 2: \_\_\_\_\_

\* City: Salem    \* State: OR: Oregon    \* Zip: 97301

Congressional District, if known: OR-005

**5. If Reporting Entity in No.4 is Subawardee, Enter Name and Address of Prime:**

<b>6. * Federal Department/Agency:</b> NTIA	<b>7. * Federal Program Name/Description:</b> State and Local Implementation Grant Program
	CFDA Number, if applicable: 11.549

<b>8. Federal Action Number, if known:</b> _____	<b>9. Award Amount, if known:</b> \$ 2,200,000.00
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**10. a. Name and Address of Lobbying Registrant:**

Prefix \_\_\_\_\_ \* First Name N/A Middle Name \_\_\_\_\_

\* Last Name N/A Suffix \_\_\_\_\_

\* Street 1 \_\_\_\_\_ \* Street 2 \_\_\_\_\_

\* City \_\_\_\_\_ \* State \_\_\_\_\_ \* Zip \_\_\_\_\_

**b. Individual Performing Services** (including address if different from No. 10a)

Prefix \_\_\_\_\_ \* First Name N/A Middle Name \_\_\_\_\_

\* Last Name N/A Suffix \_\_\_\_\_

\* Street 1 \_\_\_\_\_ \* Street 2 \_\_\_\_\_

\* City \_\_\_\_\_ \* State \_\_\_\_\_ \* Zip \_\_\_\_\_

**11.** Information requested through this form is authorized by title 31 U.S.C. section 1352. This disclosure of lobbying activities is a material representation of fact upon which reliance was placed by the tier above when the transaction was made or entered into. This disclosure is required pursuant to 31 U.S.C. 1352. This information will be reported to the Congress semi-annually and will be available for public inspection. Any person who fails to file the required disclosure shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

\* Signature: Steve Noel

\* Name: Prefix Mr. \* First Name Steve Middle Name \_\_\_\_\_  
\* Last Name Noel Suffix \_\_\_\_\_

Title: SWIC Telephone No.: 503-934-6940 Date: 03/18/2013

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JOHN A. KITZHABER, MD  
Governor

March 14, 2013

Chairman Samuel Ginn  
c/o Uzoma Onyeije  
First Responder Network Authority  
U.S. Department of Commerce, Room 7324  
1401 Construction Ave. NW  
Washington, D.C. 20230

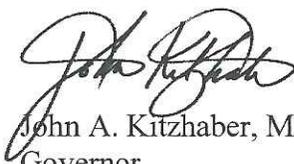
Dear Chairman Ginn:

The Middle Class Tax Relief and Job Creation Act of 2012 requires each state to designate a single point of contact to coordinate directly with the First Responder Network Authority (FirstNet).

The State of Oregon hereby designates Steve Noel, the Statewide Interoperability Coordinator as the single point of contact on behalf of the Oregon Department of Administrative Services. The State Interoperability Executive Council (SIEC) will coordinate activities between stakeholders and the Department of Administrative Services. Steve can be reached at (503) 378-3104 or by e-mail at [Steve.Noel@state.or.us](mailto:Steve.Noel@state.or.us).

Oregon is committed to the development of the FirstNet Nationwide Network (FNN) with the goal of providing our public safety officials with enhanced broadband capabilities to better support our citizens. Oregon looks forward to working with FirstNet and the National Telecommunications Information Administration (NTIA) in the implementation of this vision.

Sincerely,



John A. Kitzhaber, M.D.  
Governor

JAK/SP/ja