

Application for Federal Assistance SF-424

* 1. Type of Submission: <input type="checkbox"/> Preapplication <input checked="" type="checkbox"/> Application <input type="checkbox"/> Changed/Corrected Application	* 2. Type of Application: <input checked="" type="checkbox"/> New <input type="checkbox"/> Continuation <input type="checkbox"/> Revision	* If Revision, select appropriate letter(s): <input type="text"/> * Other (Specify): <input type="text"/>
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* 3. Date Received: <input type="text" value="08/10/2021"/>	4. Applicant Identifier: <input type="text"/>
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5a. Federal Entity Identifier: <input type="text"/>	5b. Federal Award Identifier: <input type="text"/>
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State Use Only:

6. Date Received by State: <input type="text"/>	7. State Application Identifier: <input type="text"/>
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8. APPLICANT INFORMATION:

* a. Legal Name:

* b. Employer/Taxpayer Identification Number (EIN/TIN): <input type="text" value="27-4353777"/>	* c. Organizational DUNS: <input type="text" value="8088823020000"/>
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d. Address:

* Street1:	<input type="text" value="1011 Plum St"/>
Street2:	<input type="text"/>
* City:	<input type="text" value="Olympia"/>
County/Parish:	<input type="text" value="Thurston"/>
* State:	<input type="text" value="WA: Washington"/>
Province:	<input type="text"/>
* Country:	<input type="text" value="USA: UNITED STATES"/>
* Zip / Postal Code:	<input type="text" value="98504-0001"/>

e. Organizational Unit:

Department Name: <input type="text" value="Statewide Broadband Office"/>	Division Name: <input type="text"/>
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f. Name and contact information of person to be contacted on matters involving this application:

Prefix: <input type="text" value="Ms."/>	* First Name: <input type="text" value="Dawn"/>
Middle Name: <input type="text"/>	
* Last Name: <input type="text" value="Eychaner"/>	
Suffix: <input type="text"/>	
Title: <input type="text" value="Deputy Director"/>	

Organizational Affiliation:

* Telephone Number: <input type="text" value="360-790-3274"/>	Fax Number: <input type="text"/>
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* Email:

Application for Federal Assistance SF-424

*** 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:

11.031

CFDA Title:

Broadband Infrastructure Program

*** 12. Funding Opportunity Number:**

NTIA-BROADBAND-INFRASTRUCTURE-PROGRAM-21

* Title:

BROADBAND INFRASTRUCTURE PROGRAM

13. Competition Identification Number:

NTIA-BROADBAND-INFRASTRUCTURE-PROGRAM-21

Title:

Broadband Infrastructure Program

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

Add Attachment

Delete Attachment

View Attachment

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

Connecting Rural Counties: WSBO Partnership Broadband Initiative

Attach supporting documents as specified in agency instructions.

Add Attachments

Delete Attachments

View Attachments

Application for Federal Assistance SF-424

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="30,000,000.00"/>
* b. Applicant	<input type="text" value="7,274,510.00"/>
* c. State	<input type="text" value="0.00"/>
* 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="37,274,510.00"/>

*** 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 in attachment.)**

Yes No

If "Yes", provide explanation and attach

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:

BUDGET INFORMATION - Construction Programs

NOTE: Certain Federal assistance programs require additional computations to arrive at the Federal share of project costs eligible for participation. If such is the case, you will be notified.

COST CLASSIFICATION	a. Total Cost	b. Costs Not Allowable for Participation	c. Total Allowable Costs (Columns a-b)
1. Administrative and legal expenses	\$ 1,063,710.00	\$ 0.00	\$ 1,063,710.00
2. Land, structures, rights-of-way, appraisals, etc.	\$ 537,714.00	\$ 0.00	\$ 537,714.00
3. Relocation expenses and payments	\$ 0.00	\$ 0.00	\$ 0.00
4. Architectural and engineering fees	\$ 1,647,385.00	\$ 0.00	\$ 1,647,385.00
5. Other architectural and engineering fees	\$ 0.00	\$ 0.00	\$ 0.00
6. Project inspection fees	\$ 23,910.00	\$ 0.00	\$ 23,910.00
7. Site work	\$ 0.00	\$ 0.00	\$ 0.00
8. Demolition and removal	\$ 0.00	\$ 0.00	\$ 0.00
9. Construction	\$ 19,727,153.00	\$ 0.00	\$ 19,727,153.00
10. Equipment	\$ 12,724,398.00	\$ 0.00	\$ 12,724,398.00
11. Miscellaneous	\$ 515,930.00	\$ 0.00	\$ 515,930.00
12. SUBTOTAL (sum of lines 1-11)	\$ 36,240,200.00	\$ 0.00	\$ 36,240,200.00
13. Contingencies	\$ 1,034,310.00	\$ 0.00	\$ 1,034,310.00
14. SUBTOTAL	\$ 37,274,510.00	\$ 0.00	\$ 37,274,510.00
15. Project (program) income	\$ 0.00	\$ 0.00	\$ 0.00
16. TOTAL PROJECT COSTS (subtract #15 from #14)	\$ 37,274,510.00	\$ 0.00	\$ 37,274,510.00
FEDERAL FUNDING			
17. Federal assistance requested, calculate as follows: (Consult Federal agency for Federal percentage share.) Enter the resulting Federal share.	Enter eligible costs from line 16c Multiply X <input type="text" value="100"/> %		\$ 37,274,510.00

11. 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 and federally-assisted programs. These requirements apply to all interests in real property acquired for project purposes regardless of Federal participation in purchases.
12. Will comply with the 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.
13. 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.
14. Will comply 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.
15. 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).
16. 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.
17. 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).
18. 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."
19. Will comply with all applicable requirements of all other Federal laws, executive orders, regulations, and policies governing this program.
20. 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.

SIGNATURE OF AUTHORIZED CERTIFYING OFFICIAL Dawn Eychaner	TITLE Deputy Director
APPLICANT ORGANIZATION Commerce, Washington State Department of	DATE SUBMITTED 08/10/2021

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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.

Statement for Loan Guarantees and Loan Insurance

The undersigned states, to the best of his or her knowledge and belief, that:

In any 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 commitment providing for the United States to insure or guarantee a loan, the undersigned shall complete and submit Standard Form-LLL, 'Disclosure Form to Report Lobbying,' in accordance with its instructions.

Submission of this statement 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 statement 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.

*** NAME OF APPLICANT**

Commerce, Washington State Department of

*** AWARD NUMBER**

NTIA-Broadband-Infrastruc

*** PROJECT NAME**

Connecting Rural Counties: WSBO Partnership

Prefix: Ms. * First Name: Dawn Middle Name:

* Last Name: Eychaner Suffix:

* Title: Deputy Director

* SIGNATURE: Dawn Eychaner

* DATE: 08/10/2021

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(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.

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

* NAME OF APPLICANT

Washington State Broadband Office

* AWARD NUMBER

* PROJECT NAME

Prefix:

* First Name:

Russ

Middle Name:

* Last Name:

Elliott

Suffix:

* Title:

Director of Broadband

* SIGNATURE:

* DATE: 8/10/2021

Completed by Grants.gov upon submission.

Completed by Grants.gov upon submission.

Executive Summary

The Washington State Broadband Office (WSBO) was created by the state legislature in 2019. Two goals were laid out: to have high-speed internet access for all by 2024, and 150 Megabits per second (Mbps) symmetrical services by 2028. We immediately launched a statewide survey to accurately assess the internet access and speeds across the state. The data gathered allowed us to map speeds and access in far more detail than previously available. The results were stark, showing numerous underserved and unserved areas throughout Washington, including counties and towns which were previously designated as served. Armed with the data to identify and quantify the need, we are building partnerships to leverage funding to overcome the barriers that have prevented access and adoption.

The NTIA funding would be used for projects in five of our most rural counties: Ferry, Jefferson, Kittitas, Okanogan, and Stevens. Throughout this narrative, tables paint the harsh realities of connectivity with quantifiable data. Attached letters of support show the desperate need by the communities we aim to serve. And the project descriptions display the dedicated efforts of the covered partnership to close the digital divide that plagues these communities.

The digital divide was glaringly brought to light during the COVID-19 pandemic. Office and administrative jobs, along with management jobs, are the most common employment industries in these counties--jobs that are dependent upon connectivity. At the peak of the pandemic, unemployment more than doubled in Ferry County, more than tripled in Okanogan and Stevens counties, and almost quadrupled in Jefferson and Kittitas counties. Without this critical infrastructure, Washingtonians in these rural areas are unable to participate in remote work, resulting in devastating effects on the local workforce and economy.

Virtual learning and telehealth have become a part of everyday life for Americans across the country; access to a high-speed, stable internet connection has become a key component of educational and physical wellbeing. The pandemic made clear just how harshly those without connectivity suffer. Children in Stevens County couldn't complete homework or attend classes without traveling over fifteen miles to find Wi-Fi—a journey not all students could make. Students in Jefferson County drove miles to access a school-provided hotspot, battling with poor connections and cellular data to submit their schoolwork. And adults were cut off from doctors and continued care, a perilous and desperate situation for these counties with high levels of obesity, diabetes, and poor health.

Rural Washingtonians in these areas are being left behind. In a world that is increasingly dependent upon technology—technology that requires vast amounts of data—access to broadband is vital. WSBO has built a partnership with the City of Ellensburg, Declaration Networks (DNG), Hood Canal Communication (HCC) & Mason Public Utility District No. 1 jointly, Jefferson Public Utility District, and Ziplly Fiber to ensure residents in our rural proposed service areas get connected to this critical infrastructure.

The projects consist of last mile fiber to the home (FTTH) deployments where 100% of unserved households that are passed will be connected, middle mile infrastructure to connect rural houses to local ISPs, and radio arrays to provide wireless broadband connectivity to the most rural homes and farms. Almost 7,500 connections will be made through these projects, all to rural counties with less than 50,000 people, and all completed within a year.

All FTTH projects will utilize fiber-optic cable, allowing 1 Gigabit upload/download speeds with latency at or under 80 milliseconds during peak periods. Members of our partnership have been testing and using equipment which will allow up to 10 Gbps symmetrical. Across the board, our partners are designing unique deployments set to serve the needs of each community at speeds that will allow them to seamlessly and easily utilize today and tomorrow's technology.

The projects are designed to be sustainable and cost effective. Many projects will lay fiber underground to protect it and extend its longevity. When possible, projects deploying aerial fiber will use existing poles to save money and expedite construction. Some projects will update copper infrastructure with fiber cable, saving both time and costs. And with the massive community buy-in, there is no doubt the regions will support the usage, and thus upkeep, of the important infrastructure.

WSBO solicited projects from around the state and chose those which will serve the largest number of people in the most rural areas. The total of all the projects is \$37,274,510, including the two percent administrative cost the state is requesting. The partners will match a collective \$3,027,720. Due to state law, WSBO may only provide a matching contribution to public entities. With this regulation in mind, we respectfully request **\$30,000,000** from NTIA, matched by \$4,246,790 from WSBO.

<u>Applicant</u>	<u>Total Project</u>	<u>Private/In Kind Match</u>	<u>State match proposed</u>	<u>NTIA Request</u>
1. WSBO	\$730,872		\$730,872	
2. DNG	\$6,025,000	\$602,500		\$5,422,500
3. Ellensburg	\$437,573	\$0		\$437,573
4. Ziplly	\$5,267,345	\$1,306,935		\$3,960,410
5. Jefferson PUD	\$12,191,477	\$629,085	\$1,448,224	\$10,114,168
6. HCC/Mason PUD No.1	\$12,622,243	\$489,200	\$2,067,694	\$10,065,349
			\$4,246,790	\$30,000,000

We do recognize there is a great demand for funding from NTIA. Should NTIA be unable to award this amount, WSBO would respectfully request **\$10,561,391** in funding. This amount will cover projects one through four. Should \$10.5 million be awarded, Washington is prepared to consider increasing our match accordingly to cover up to the total project costs of Jefferson PUD and HCC/Mason PUD No. 1 as these are high priority projects for our state.

With the commitment of the communities, the collective knowledge and experience of the project leaders, and the financial assistance from the NTIA Broadband Infrastructure Grant Program, we are confident in our ability and eager to deploy broadband to Ferry, Jefferson, Kittitas, Okanogan, and Stevens counties.

Covered Partnership

To meet our goal of building scalable broadband infrastructure, we are partnering with the City of Ellensburg, Declaration Networks, Hood Canal Communications, Jefferson Public Utility District (PUD), and Ziplly Fiber. This covered partnership is requesting funding from the NTIA Broadband Infrastructure Program.

The leaders spearheading this project bring a wealth of knowledge on broadband infrastructure and deployment, internet service providing, broadband construction and buildout, and the intricacies of building and implementing a network to serve rural communities. Dawn Eychaner joined the State Broadband Office in June 2021 as the Deputy Director and has been serving as Acting Director since October 1. Prior to that she was a Senior Research Analyst with the Washington State House of Representatives for six years (2015-2021), providing nonpartisan research, analysis, and bill drafting for

members of the legislature in human services, housing, and early learning policy areas. Before joining the House of Representatives, Dawn developed competitive grant and loan programs for local government infrastructure programs, including overseeing contracting processes and policy development at the Department of Commerce for the Public Works Board and the Community Economic Revitalization Board.

Dawn's team is poised to administer the grant for the covered partnership. The leaders of each project have the experience, technological insight and knowledge, and passion to ensure the success of implementation. Most importantly, they have the experience of deploying similar projects and working with grants.

William Longmire will lead the City of Ellensburg project. William has eight years of telecommunication experience and has been involved in all aspects of the city's fiber deployment from its inception. He designed the initial City-wide fiber build out and worked closely with the contractor to solve any issues that arose. William currently coordinates new fiber extensions with the city's contractor and does the preliminary designs and work orders, as well as the splice plans.

The City of Ellensburg has been working in the telecommunications industry since 1999. They currently provide internet to customers in the city itself. It is the objective of Ellensburg to work with Kittitas County to have seamless transitions from city to county networks, a boon for ISP partners. Ellensburg has partnered with Central Connect to serve as the ISP for the build outside of the city. Central Connect uses the latest state of the art online modern cloud-based solution for billing, provisioning, and customer service in one portal. Customer service representatives typically respond within ten minutes of a customer call. The billing portal has a support option for customers to initiate a trouble ticket that gets dispatched, and a positive handoff happens in real-time. The fiber will be owned by the city and the city will be in charge of maintenance for the infrastructure. The ISP partner is vetted with agreements and will be in charge of maintenance with the customers in collaboration with the city. Ben Faubion, IT & Telecom Manager for the city of Ellensburg, will be the main point of contact with Central Connect.

Bob Nichols of Declaration Networks, serves as CEO and is an experienced business development executive with over 25 years of experience in high-tech, telecommunications and startup ventures. Prior to founding DNG, he led the business development efforts at Neustar developing new lines of business, strategic telecommunications, media and technology initiatives. Bob co-founded the FCC recognized AIR.U initiative along with Google, Microsoft, New America Foundation, Appalachian Regional Commission, and Higher Ed Groups representing over 500 Colleges and Universities. AIR.U includes the Gig.U (Led by Blair Levin, Author of the FCC Broadband Plan) as a founding sponsor and shares the mission of accelerating the deployment of next-generation networks.

Declaration Networks Group, Inc. has the operational support capabilities in place today to support this project proposal. DNG is providing service today to over 700 subscribers in Stevens County under the NeuBeam brand supported by a local Sales and Service staff based in the Colville, Washington office. The Colville office houses a Sales Manager and a Service Manager along with spare equipment to support the network and customers in Stevens County. Customer Service is provided by a 24x7 Tier 1 customer support service backed up by in-house on-call Tier II support and NOC personnel. The network is managed via the SolarWinds network management system which provides 24x7 alarm reporting, network traffic statistics, and network availability reporting.

Richard Buechel is the President of Hood Canal Communications. Richard has worked for HCC since 1970. After holding various positions with the company, he became General Manager in 1979 and then President in 1986. In addition to his duties at HCC he served as Commissioner for the Mason County

Public Utility District #1 from 1987-2005. He has also served on various committees for the Washington Independent Telephone Association and held the position of President from 1987-1989.

Hood Canal Communications uses an integrated billing, financial, and mapping platform from Innovative Systems eLation software platform. This system is specifically designed for telecom and utility service providers and allows HCC to integrate all aspects of the business onto a single platform. Hood Canal Communications customer service team is trained to handle and support all the needs of customers. A large part of day-to-day operations is technical support. HCC has our own IT support staff on site, and they assist customers with a variety of needs. HCC also contracts for 24/7 live support. The majority of cable and wire maintenance is performed in house.

Kevin Streett is the General Manager of Jefferson County PUD. Kevin Streett has over 40 years of experience in the utilities industry. Beginning as an electrical lineman in Idaho, Streett worked on electric construction crews around the globe before joining public and cooperative power providers in Nevada and Arizona as a Substation Foreman and Operations Manager. Streett was an early adopter of SCADA technologies, setting up a fiber network to monitor all Navopache Cooperative Electric facilities in 2000. He was hired by Jefferson County PUD in 2012 to build and staff their newly created electric division. He has served as General Manager since 2019.

Jefferson County PUD serves over 20,000 electric customers, and 5,000 water and sewer customers with a staff of 56 employees. The PUD employs 7 full time customer service staff members, and 3 full time employees dedicated to billing in the same department. Customer Service is backed up during off hours by a 24/7 call service. The customer service team utilizes a state-of-the-art software system from NISC to manage customer accounts and utility asset management. NISC’s software is the standard for electric cooperatives and public utilities. NISC offers a broadband module that the customer service team will have adopted and deployed by April of 2022, in plenty of time to manage new residential connections resulting from grant funding. The PUD’s 10-member line crew maintains all electric transmission and distribution 24/7 and will maintain all new fiber assets as well.

Robert Larson will lead the Ziplly project. He currently serves as the Vice President of Fiber Design and Engineering, a role he has been in for the past year and a half where he works to deploy broadband infrastructure across the Pacific Northwest. Larson has spent over a quarter of a century in the telecommunications industry. Before his time with Ziplly, he spent 25 years with CenturyLink as a Director. Larson graduated from Montana State University-Bozeman with a bachelor’s degree in Electrical and Electronics Engineering.

Ziplly Fiber was formed in 2019 through acquisition of the Frontier Communications Company four Incumbent Local Exchange Carriers (“ILECs”) assets in the Pacific Northwest. As of December 31, 2020, the network was comprised of approximately 42,900 total route miles, including 9,400 fiber route miles and 33,500 copper route miles across our four-state region. As an incumbent local exchange provider Ziplly Fiber is obligated to provide service to all premises (existing and new development) in its service area and has 24/7 customer service. Ziplly Fiber is privately investing in the expansion of fiber availability throughout its network. Partnerships, such as this opportunity, greatly facilitate Ziplly Fiber’s ability to expand the reach of its fiber network

Organization Name (Listed alphabetically)	Organization Address	Administrative Role	Scope of Work (funded partners only)	Proposed Funding Amount
Central Connect LLC	2300 130th Ave NE #104 Bellevue, WA 98005	Collaborator (unfunded)		

City of Ellensburg	501 N. Anderson St Ellensburg, WA 98926	Subrecipient	Project build	\$437,573
Declaration Networks	8245 Boone Blvd Suite 230 Vienna, VA 22182	Subrecipient	Project build and ISP	\$5,422,500
Hood Canal Communication	2218 Olympic Hwy N Shelton, WA 98592	Subrecipient	Project build and ISP	\$12,133,043
Jefferson PUD	310 Four Corners Rd Port Townsend, WA 98368	Subrecipient	Project build and ISP	\$11,562,392
Mason County PUD #1	21971 US-101 Shelton, WA 98584	Collaborator (unfunded)		
Washington State Broadband Office	1011 Plum St SE Olympia, WA 98504	Applicant	Administrator of grant (2% administrative costs)	\$730,872
Zipty	15 SW Everett Mall Way D, Everett, WA 98204	Subrecipient	Project build and ISP	\$3,960,410

Project Description

The projects in this partnership have the same aim: bring broadband to rural areas. The areas served in this project are not only rural, but often low-income. The median income for the state of Washington is \$73,775. The average across our five counties is \$50,417. Poverty is far higher in the counties as well--over 50% higher than the state average. It is important to remember that the areas we will serve are on the outskirts of the counties, where the income is lower and the poverty higher. Given this, each partner will be providing a competitive pricing structure for qualifying broadband service, ensuring the services are able to reach the intended customers.

All FTTH projects will be using fiber with GPON installations that will provide speeds of 1 Gbps symmetrical. Members of our partnership are currently testing and using XGS-PON which has the capability for up to 10 Gbps. Across projects, peak-period network latency times will range from 80 milliseconds to less than 5 milliseconds. The covered partnership will implement mostly final mile with a small amount of middle mile network.

The City of Ellensburg will build wireless broadband radio sites at two water wells. Five miles of 288-count fiber will be laid from the wells to connect to the city's existing fiber network. The wells are located approximately five miles northwest of Ellensburg City limits in rural Kittitas County. Both wells are in census blocks that have no providers reporting fixed broadband services at 25/3 Mbps on FCC Form 477. These locations were also chosen for strategic reasons due to the easements and infrastructure that the city already owns there. Thirty-foot communication poles will be set at each well location with twelve Ubiquiti LTU radios on each pole. For a 360° coverage deployment, 4x arrays will be installed with 3x 30° radio horn antennas on four standoffs (3, 6, 9 and 12 o'clock). The 288-count fiber that will be installed will provide the ability to deliver future fiber services to other unserved areas within the county. The city will own the network but is partnering with a local ISP, Central Connect LLC, to provide fixed wireless broadband service to the county. Central Connect serves base stations mostly through fiber. More remote stations are fed by microwave licensed links, typically 11GHz. Some are also served by 60 GHz, 24 GHz and some smaller micro-POPs are served using 5 GHz unlicensed links. In total, they have radios that operate on 3.65 GHz, 5 GHz, 11 GHz, 18 GHz, 24 GHz, 60 GHz and are deploying 80 GHz in the future. Most larger stations, such as the one being built, are backhauled by fiber. Capacities range from several hundred subscribers to under 50 Subscribers, but the smaller stations have the ability to

expand if the backhaul is also expanded with it. The work built here will be able to serve all 700 households should they subscribe. The five miles of fiber will be an OAN that ISPs may connect to in the future. The total project cost is \$437,573.

DNG will deploy an all-fiber optic network along Highway 25 in Stevens County. Traffic will flow through the network at each end of the proposed route on a 10 Gbps fully protected core ring configuration. Each end of the network will be directly spliced to a 12-mile leased dark fiber circuit from Northwest Open Access Network (NoaNet) and will exit the ring at a core switch at the Colville Fairgrounds Colocation. DNG has secured a 10 Gbps optical transport layer -2 ethernet connection from NoaNet at the Colville Fairgrounds colocation facility that leaves NoaNet's network at the US Bank Building in Spokane, Washington. DNG has an existing colocation at the US Bank building where the traffic will traverse our Layer 3 Core Router to an existing 10 Gbps direct internet access circuit provided by NoaNet. This internet circuit reaches the internet peering backbone at the Spokane Internet Exchange. The majority of the installation will be underground to protect the fiber from outage-causing weather and prolong the life of the fiber. The network will be owned and operated by DNG who will provide service. The project will use a combination of trenching and minimal boring. The total project cost is \$6,025,000 and DNG is matching 10%.

Hood Canal Communications (HCC) seeks to close the digital equity gap by building a complete Fiber to the Home (FTTH) network along the Highway 101 corridor from Triton Cove State Park to Brinnon, in Jefferson County, along the scenic Hood Canal. HCC will enter a public-private partnership with Mason PUD for this effort. Due to the remote location of this area, five miles of middle mile fiber will be constructed from the end of HCC's current facilities to the Mason/Jefferson County line. Two active electronic sites will house the Adtran GPON electronic equipment and transport system data to the network operations center in Union, Washington--from Union, our network connects to The Westin building in Seattle and the Sabey Data Center in Tukwila. Engineering plans call for 6 passive optical network (PON) cabinet sites, housing a 1x32 splitter capable of connecting 288 customers. Two 144-count distribution fibers will be built from each PON site. Underground construction will consist of trenching, directional drilling and plowing. All underground construction will be performed in existing utility easements and rights-of-way. The underground fiber optic cables will be placed inside conduits for protection. Drop fiber will be pulled to the exterior of structures with an ONT installed on the inside of the customer's premises. The network will be owned and operated by HCC who will provide service. The project will cost \$ 12,622,243 and HCC is matching 3%, with Mason PUD No.1 providing \$139,200 of in-kind services of pole upgrades.

Jefferson PUD is proposing to build out a fiber network to the communities of Quilcene, Discovery Bay, and Gardiner. JPUD has already laid the groundwork for this project by leasing access to the Bonneville Power Authority's fiber trunk line running from Olympia to Port Angeles along the eastern flank of the Olympic National Park and Forest. The fiber will be buried with current utilities when possible and will be on JPUD's aerial poles when aerial. Core electronics will be placed in a new hut constructed inside the security perimeter of existing substations in Discovery Bay and Quilcene. JPUD will deploy a PON platform that also allows for the immediate overlay of XGS-PON technology. Drops and ONT connections will take place during construction and will be ready to turn-up near the end of the project. Jefferson PUD will own the network and plans to be a retail ISP for the project and will also make this network available to other ISPs on an open-access basis. The total cost of the project is \$12,191,477 and JPUD will cover the \$629,085 of ineligible costs and WSBO will be providing matching funds. The financial projections of this project show revenue on internet subscriptions increasing threefold by year three.

Zipty Fiber currently serves its project areas in Ferry and Okanogan counties, which will facilitate rapid deployment of fiber optic infrastructure. The existing telecommunications infrastructure consists of copper lines, both aerial and buried. Zipty Fiber will upgrade its existing infrastructure to a fiber optic network capable of serving each premise within the proposed service area synchronously with 1 Gigabit per second. To support the network, an Edge Router upgrade in the Central Office will be placed to support the Optical Line Termination and support the trunk routing back to the Core Router. Transport dense wavelength division multiplexing (DWDM) cards will be placed to support the core network trunking. Zipty owns the core network to transport traffic back to Seattle. **Zipty Fiber will own, operate, and maintain this broadband infrastructure.** The total project cost is \$5,267,345 and Zipty is matching at 25%.

These projects are not possible without federal financial assistance. Major providers operate on a return-on-investment business model and will not build in areas that do not provide rapid pay-back. Our covered partnership has targeted these areas. Due to their rurality, immediate net-income is impossible for these undertakings. To ensure the organizations in our partnership can build and continue to operate, grant funds are needed for the initial build outs in this project.

Proposed Service Area

WSBO and our partners have prioritized areas in Washington that are most in need of connectivity and broadband infrastructure. We have identified households that are unserved and chosen projects in those areas. Fiber will be laid in Ferry, Kittitas, Jefferson, Okanogan, and Stevens County. Final mile will be in the towns and census designated areas of Curlew, Danville, Loomis, Tonasket, Ellensburg, Thorp, Quilcene, Discovery Bay, Gardiner, Northport, Kettle Falls, Marcus, Deep Lake, Bossburg, Ryan, Marble, and Evans.

There will be 7,196 homes connected, 210 businesses connected, and 50 anchor institutions connected in our proposed service area with qualifying broadband service. Any unserved premises that are passed will be served. The specific blocks from each county are listed in the table below. Also noted is the percentage of unserved households in each tract, according to NTIA mapping. All the unserved areas will be passed.

Kittitas			Ferry		Okanogan		
Tracts 975202, 975203, 975300, 975500 (average 8.9% unserved)			Tract 970100 (average 30.1% unserved)		Tracts 950100, 970800, 970300, 970400 (average 29.8% unserved)		
1000-1003	2010	2113-2117	2158	3029 - 3038	2002	1027	3003
1007-1010	2012-2016	2119-2127	2165 - 2167	3042 -3044	2021	1035	3007-3001
1025-1031	2018-2019	3074	2169 - 2190	3052	2033-2038	1038-1044	3014-3019
1033-1055	2021	3089	2196	3054 -3057	2040-2050	1048	3022-3032
1057	2023	3110-3111	2199	3191 - 3192	3000-3060	1050-1099	3141-3146
1059-1066	2026-2030	1000	2202	2024 - 2031	4025	1100-1117	3151-3153
1071-1090	2033	1009	2223	2034	4045-4063	1128	5064
1092-1101	2037-2043	1012-1023	2231 - 2232	2118	2027	2051	5102
1103	2045	4005-4009	3000	2148 - 2152	2054-2063	2064	5197
1105-1107	2050-2060	4014	3001	2210 - 2111	4043	2066-2068	5199

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1111	2063-2065		3003		2054-2063	2070	5231-5233
1116-1124	2068-2073		3007		4043	2077-2078	5258-5259
1126-1127	2075		3013		2041	2097	
1130-1131	2084		3017		2043-2050	2115	
2006	2106-2109		3023 - 3024		1012-1015	2121	

Jefferson					
Tract 950702, 950202, 950301, 950501 (average 10.8% unserved)					
2062	2141-2147	2221-2222	1047-1051	2116	3103
2064-2065	2155-2157	2224	1054	2119-2123	3105
2067-2068	2159	2226-2233	1059-1060	2126-2128	3121
2067-2068	2161-2165	2235-2236	1067-1069	1016-1017	3128
2078-2079	2168-2172	2244-2246	2013-2014	1027	
2084-2085	2176	2261	2028	1040	
2089-2096	2178-2179	1012	2031	1047	
2107-2109	2183-2185	1014-1017	2037-2038	1049-1050	
2111-2113	2189-2194	1019	2059	1053	
2118	2196-2198	1021-1022	2062-2064	3063	
2121-2122	2200	1025-1028	2067	3070	
2124	2202	1030	2070	3080-3082	
2126-2127	2205-2207	1033-1039	2096	3086-3087	
2130-2134	2209-2216	1041-1042	2098-2099	3090	
2136-2139	2218-2219	1045	2104-2113	3101	

Stevens							
Tract 950100, 950200, 950300, 950600 (average 26% unserved)							
1001-1003	1085	1199	1297-1299	2121-2122	4239	1055	1063
1011-1012	1087	1202	1302-1305	2127-2130	4241-4242	1059	1065
1014-1015	1089	1204	1307-1309	2132-2133	4244	1061	1086
1023	1091	1207	1311	2136-2139	4246	1065-1066	1089
1026	1101	1209-1210	1313-1315	2150-2154	4251	1085	1091

1028-1029	1108	1212	1317	4083	4255-4258	1102	1097
1032-1036	1117-1121	1217-1218	2001	4106	4260	1105	1100-1105
1038-1040	1168	1220	2003	4108-4110	4262-4267	1109	1108
1043-1045	1170	1227	2035-2036	4112	4274-4275	1003	
1047-1048	1179	1239-1240	2040	4146-4148	4280	1015	
1056	1181	1243	2057-2058	4153	4282-4283	1020	
1059-1068	1183-1185	1246	2069	4155	4287-4289	1030-1032	
1074-1075	1187	1248	2075	4209-4210	1047	1035	
1080	1191	1279-1282	2096	4213-4214	1049	1037	
1082-1083	1193-1194	1286-1290	2117	4217-4218	1053	1044	

Funding Priorities

Equal access to quality, affordable internet is the cornerstone of WSBO, and is equally important to our project partners. Each project in the covered partnership was chosen due to its ability to serve the largest number of people in the most rural and unserved areas. Additional importance was placed on build timelines; all projects have the ability to be completed within one year of the grant award.

The COVID-19 pandemic has laid bare the digital inequities the rural communities of our country face. Those who are rural and live below the poverty line are at an even greater risk; when health, education, and employment are increasingly dependent on connectivity, those without are left behind. Our project aims to address these rural digital inequities and exclusions, and in doing so, aligns with all the funding priorities set forth by NTIA.

1. Service to the greatest number of households. The WSBO and Partners project will serve a combined 7,196 households in 5 counties. Every unserved house that is passed with fiber will be connected. All unserved households in the wireless broadband range will be served.
2. Population. The towns and designated areas that we will provide with broadband all have populations under 25,000; the largest has 21,000 and the smallest less than 100. None of the counties in which our project areas are located have more than 50,000 inhabitants as shown below. None are adjacent or contiguous to a city or town with more than 50,000 inhabitants.

Partner	County	County Pop	Project Name	Passes	Cost Per Pass
City of Ellensburg	Kittitas	47,935	City of Ellensburg Fiber Extension and Fixed Wireless Broadband	708	\$618
DNG	Stevens	45,723	Stevens County Broadband Deployment Project	1,218	\$4,639
HCC	Jefferson	32,221	Northern Hood Canal Fiber Extension	850	\$14,075
Jefferson PUD	Jefferson	32,221	Olympic Fiber Corridor Project Overview	1,427	\$7,526

ZiPLY	Okanogan	42,243	Connecting Rural Washington: Brewster		
ZiPLY	Ferry	7,587	Connecting rural Washington: Curlew/Danville		
ZiPLY	Okanogan	42,243	Connecting Rural Washington: Loomis		
ZiPLY	Okanogan	42,243	Connecting Rural Washington: Tonasket		

3. Cost-effective. Our project partners strive to make sure implementation budgets are cost-effective, and that the cost of each house passed is as low as possible. As many of our project areas are extremely rural and remote, the cost per pass is higher than what would be found in a more urban area. This cost would appear prohibitive to a major telecom company and these rural areas viewed as an unviable investment. With the help of NTIA funds, we can ensure these rural areas receive the access they need to overcome the digital divide in the most cost-effective manner possible.

4. Speeds. By using fiber in all our projects, we are ensuring the speeds we provide will surpass the NTIA requirements on 25/3. Declaration Networks, Hood Canal Communications, Jefferson PUD, and ZiPLY will all provide 1 Gigabit symmetrical. The City of Ellensburg will build five miles of fiber to towers and partner with ISP Central Connect to provide 1Gbps upload and download via wireless broadband. These speeds will enable the individuals in the rural communities to engage in virtual learning, telemedicine, and remote work, and provide enough capacity to handle population growth and additional services. With more devices becoming interconnected, and IoT playing a larger role in our lives, these speeds will make certain that the rural Washingtonians our project serves are not left behind.

Evaluation Criteria

Project Beneficiaries: All of the beneficiaries in our proposed service area will receive broadband connectivity at speeds that are greater than qualifying broadband service. Those receiving wireless broadband in the City of Ellensburg project will have service of 1Gbps symmetrical. The remainder of the beneficiaries of the project will receive fiber broadband service at speeds of 1 Gbps symmetrical. When considering the extreme rurality of our areas, an incredible number of households, businesses, and anchor institutions will receive qualifying service. The covered partnership will connect 7,196 households, 210 businesses and 50 anchor institutions.

Level of Need: The proposed service areas in our covered partnership span five different rural counties, most with high levels of unserved households, as identified in the census block table. The proposed service area tracts in Stevens County, Ferry County, and Okanogan County all are deeply red; the Ookla Media Speed test show below 25/3, the ACS show 25% or more without internet access, the FCC Form 477 often shows no provider reporting service at 25/3. In Kittitas County and Jefferson County, Ookla tests show speeds below 25/3 and Form 477 shows no provider reporting service at 25/3. Knowing that more data is often needed, WSBO has had Washingtonians conduct speed tests in their towns and homes. All our proposed service areas are littered with red and black dots, representing either service between 0 - 10 Mbps, or no service at all. State data shows that 76.9% of those in Ferry County, 52.6% in Jefferson, 52.5% in Kittitas, 68.7% in Okanogan, and 68.6% in Stevens County are unserved and do not receive qualifying broadband service as defined by this grant. There is an extreme need in these areas for broadband connectivity, particularly a broadband service that is affordable for all customers. The covered partnership will be offering varying pricing structures that all offer better speeds at lower rates.

Central Connect (Ellensburg ISP): 100/100 Mbps \$65/month | 150/150 Mbps - \$85/month | 1/1 Gbps - \$120/month

DNG: 50/50 Mbps - \$75/month | 100/100 Mbps - \$99/month | 150/150 Mbps - \$129/month | 500/500 Mbps - \$199/month | 1/1 Gbps - \$249
HCC: 25/3 Mbps - \$48.95/month | 100/100 Mbps - \$63.95/month | 1/1 Gbps - \$83.95/month
JPUD: 100/100 - \$65/month | 250/250 Mbps - \$75/month | 1/1 Gbps - \$90/month
Ziplay: 100/100 Mbps - \$40/month | 1/1 Gbps - \$60/month

The pricing structures are competitive. By contrast, many of the proposed service areas only have ViaSat—providing 50/50 at \$149 a month—or HughesNet—providing 25/3 at \$149 a month. Some areas, such as those in Tonasket and Kettle Falls, have limited access to Spectrum, which provides cable internet with speeds of 200/10 at \$102 a month. These exorbitant prices for very poor service are contributing to the digital divide; the covered partnership will help close it.

Sustainability: The projects put forth by the covered partnership will be financially sustainable and technologically sustainable. By using fiber in all our projects, we will bring infrastructure that is scalable and future-proof. With a fair portion of the fiber being underground, the longevity of the fiber is extended, saving money for the project partners in repair costs. The market projections show that when repairs may be needed in the future, all partners will easily have the net revenue to cover any maintenance work. Sustainability cannot be done without community support. All members of the covered partnership have received letters of support from anchor institutions, including county commissioners, chambers of commerce, public utility districts, school districts, and family-run general stores. Residents have submitted letters stating their desperate need for high-speed, quality internet. A survey sent by Jefferson PUD received over 570 responses of encouragement. The buy-in from residents, businesses, and community institutions speak to the commitment of these projects.

Expected outcomes: The covered partnership expects and projects excellent subscription pick-up. Many of the homes passed currently are unserved, and we anticipate many of those premises to subscribe to the broadband services offered, with pick-up doubling every year. According to the unserved census tract averages from the NTIA mapping, our project will reach 3,005 unserved households. However, data collected from the state indicates unserved percentages are vastly higher, as noted earlier, indicating an even larger number--7,196-- of unserved households will be reached. Across the counties, the persons per household average is 2.5, meaning almost 18,000 Washingtonians will have access to broadband connectivity at greater than qualifying speeds.

Area: The FTTH projects will connect to 100% of the unserved households they pass. All the middle mile laid out in the covered partnership projects will be built towards last mile connections. Those projects that are building middle mile are using technology to ensure maximum benefits. The deployments will use 144-count or 288-count distribution fiber, ensuring that the network performance is high and future-proof. Given the small population areas, no project will be using all the connections for feeder fiber, allowing room for substantial growth and increased network capacity for final mile. The passive optical network hubs and cabinets along the middle mile will also allow for additional connections for new residents and businesses. The five miles of middle mile laid out by the City of Ellensburg will be an open access network, allowing other ISPs to leverage the fiber availability, offering increasingly competitive pricing to end users.

Ability to Scale

WSBO is committed to scalability. The COVID-19 pandemic exposed the vulnerabilities in our current systems ability to scale for the future. Copper is no longer king. Fiber-optic cable is necessary to scale over time, and the only method able to meet the foundational goals of the Washington State Broadband Office. As such, the WSBO covered partnership will deploy a fiber-optic cable network in all our project areas. By using fiber, the infrastructure provided remains future-proof—ensuring the ability to evolve, sustain, and scale for emerging technologies and future advances.

The projects will use a 144-count or 288-count fiber, allowing room for growth and additional subscribers. Much of the fiber will be deployed underground. Underground ensures the fiber is not at risk from damage caused by storms, falling trees, rodents, or vehicles. By removing these threats, the longevity of the fiber is dramatically increased.

Project Plan and Milestones

All the projects that are included in our covered partnership are set to take place within one years' time. Experienced contractors, engineers, and professionals at each organization are ready to oversee these projects and provide accountability. Activities will begin once grant paperwork has been formalized.

Month	Activity Ellensburg	Activity DNG	Activity HCC	Activity JPUD	Activity Ziplly
December 2021	-Execute Agreements	-Preliminary High-level Design & Fielding	-Finalize Engineering -Identify Make Readies -Order Materials - Start Permitting	-Field Design Engineering -Obtain Right-of-Ways -Order Fiber, Fiber Electronics, & Huts -Customer Sign-up Process Starts	-Plan OSP Fiber Distribution -Engineer Broadband Core and GPON Equipment
January 2022	-Pole Survey	-Preliminary High-level Design & Fielding	-Start Make Readies (with Mason PUD1) -Begin Underground Construction -Begin Middle Mile Construction -Finish Permitting	-Field Design Engineering -Obtain Right-of-Ways -Order Fiber, Fiber Electronics, & Huts -Customer Sign-up Process Starts	-Plan OSP Fiber Distribution -Engineer Broadband Core and GPON Equipment -Site Walk and Engineer OSP Fiber
February 2022	-Pole Attachment Applications	-Detailed Design & Permit Generation -Advance Materials Order -Aerial Make-Ready	-Continue Make Readies -Continue Underground Construction -Continue Middle Mile Construction -Aerial Construction	-Field Design Engineering -Obtain Right-of-Ways -Order Fiber, Fiber Electronics, & Huts -Customer Sign-up Process Starts	-Engineer Broadband Core and GPON Equipment -Site Walk and Engineer OSP Fiber

March 2022	-Pole Attachment Applications	-Detailed Design & Permit Generation -Advance Materials Order -Aerial Make-Ready -Aerial Construction -Underground Construction -GPON Placement & Hub Placement	-Continue Underground Construction -Continue Aerial Construction -Install Adtran Electronics	-Field Design Engineering -Customer Sign-up -Place huts -Begin Fiber Construction	-Site Walk and Engineer OSP Fiber
April 2022	-Pole Attachment Applications -Pole Attachment Agreement -County ROW Permits -Order Materials	-Advance Materials Order -Aerial Make-ready -Aerial Construction -Underground Construction -GPON Placement & Hub Placement	-Continue Underground Construction -Continue Aerial Construction -Install Adtran Electronics -Begin Fiber Splicing	-Field Design Engineering -Customer Sign-up -Place huts -Begin Fiber Construction	-Order Materials -Permitting and Pole Attachments
May 2022	-Order Materials	-Advance Materials Order -Aerial Make-ready -Aerial Construction -Underground Construction -GPON Placement & Hub Placement	-Continue Underground Construction -Continue Aerial Construction -Install Adtran Electronics -Begin Fiber Splicing	-Field Design Engineering -Customer Sign-up -Place huts -Begin Fiber Construction	-Order Materials -Permitting and Pole Attachments
June 2022	-Fiber Line Construction Begins	-Advance Materials Order -Aerial Make-ready -Aerial Construction -Underground Construction -GPON Placement &	-Begin Broadband Installs -Underground Construction Continues -Fiber Splicing Continues -Test End Light Levels	-Fiber Construction -Test Completed Fiber -Hire New Technicians - Sign-ups - Install Fiber Drops	-Installation and Construction

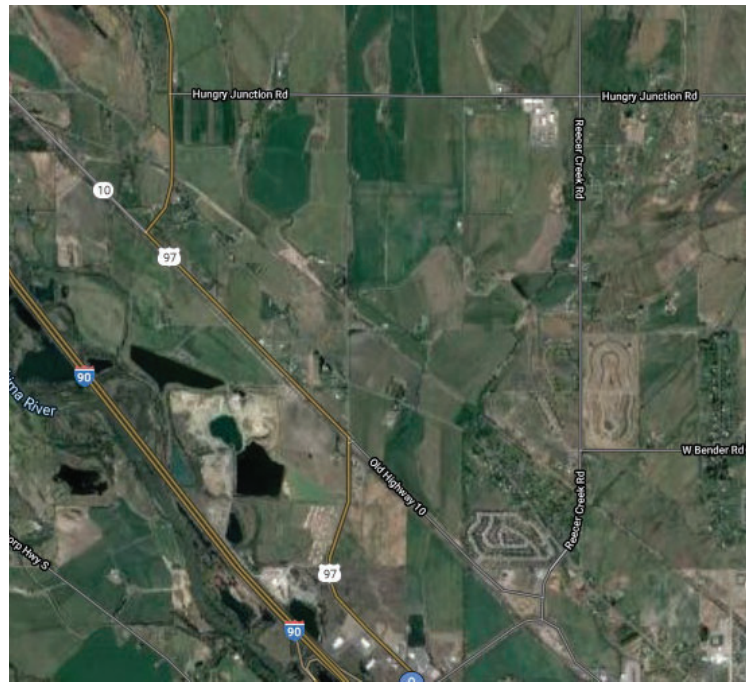
		Hub Placement		-System Connected	
July 2022	-Fiber Line Construction Continues -Set Communication Poles -Install Radio Arrays and Equipment	-Aerial Make-ready -Aerial Construction -Underground Construction -GPON Placement & Hub Placement -Network Testing, Fiber Certification, & Turn-Up Rolling	-Broadband Installs Continue -Underground Construction Continues -Fiber Splicing Continues -Test End Light Levels -Site Surveys	-Fiber Construction -Test Completed Fiber -Hire New Technicians - Sign-ups - Install Fiber Drops -System Connected	-Installation and Construction
August 2022	-Fiber Line Construction Continues -Install Radio Arrays and Equipment -Splice and Test Fiber	-Aerial Construction -Underground Construction -Splicing -GPON Placement & Hub Placement -Internet Backhaul Connectivity -Network Testing, Fiber Certification, & Turn-Up Rolling - Customer Installations, Commence on Turn-up	-Broadband Installs Continue -Underground Construction Continues -Fiber Splicing Continues -Test End Light Levels -Site Surveys	-Fiber Construction -Test Completed Fiber -Hire New Technicians - Sign-ups - Install Fiber Drops -System Connected	-Installation and Construction
September 2022	-Install Radio Arrays and Equipment -Splice and Test Fiber -Deploy Subscriber Equipment Begins	-Aerial Construction -Underground Construction -Splicing -GPON Placement & Hub Placement -Internet Backhaul Connectivity	-Broadband Installs Continue -Test End Light Levels -Site Surveys -Construction Ending	-Fiber Construction Completed -Fiber Testing Completed -Engineers Deliver System Drawings -Customer Sign-ups	-Installation and Construction

		-Network Testing, Fiber Certification, & Turn-Up Rolling - Customer Installations, Commence on Turn-up		-Fiber Drop Installations -OSS/BSS Billing Software testing	
October 2022	-Deploy Subscriber Equipment Continues	-Underground Construction -Splicing -GPON Placement & Hub Placement -Internet Backhaul Connectivity -Network Testing, Fiber Certification, & Turn-Up Rolling - Customer Installations, Commence on Turn-up	-Broadband Installs Continue -Test End Light Levels -Site Surveys -Construction Ending	-Fiber Construction Completed -Fiber Testing Completed -Engineers Deliver System Drawings -Customer Sign-ups -Fiber Drop Installations -OSS/BSS Billing Software testing	-Installation and Construction
November 2022	-Deploy Subscriber Equipment Ends	-Underground Construction -Splicing -GPON Placement & Hub Placement -Internet Backhaul Connectivity -Network Testing, Fiber Certification, & Turn-Up Rolling - Customer Installations, Commence on Turn-up	-Construction Ends -Fiber Testing Complete -Complete Broadband Installs	-Fiber Construction Completed -Fiber Testing Completed -Engineers Deliver System Drawings -Customer Sign-ups -Fiber Drop Installations -OSS/BSS Billing Software testing	-Installation and Construction

Project Area Description

The proposed project areas in our partnership cover five counties across Washington state. All are rural, though the geographic areas are varied. The project partners all have experience implementing projects in their service areas, providing background knowledge on all historical and environmental preservation requirements, and all projects have been designed to minimize potential adverse environmental impacts. Best practices when disturbing ground will be taken by all. A review of the lands and the partners experience is below:

City of Ellensburg: The proposed project by the City of Ellensburg will place five miles of fiber northwest of the city limits. Two thirty-foot poles will be placed along the route with twelve radios at each location to provide connectivity for more rural residents. Much of the fiber will be aerial resulting in very minimal ground disturbance during construction. Boring and trenching will be required for the two poles. The installment of the radio arrays will not cause any disturbance to the land. The Bureau of Land Management (BLM) map shows there are no areas of environmental concern and no rights-of-way that will cause issues. The proposed service area does not cross any railroads, tribal lands, or waterways.



The route the five miles of fiber will travel passes through sporadic patches of Freshwater Emergent Wetland. Again, as much of the fiber will be aerial, there will be minimal disturbance to these areas. The boring and trenching for the poles will avoid work on these areas completely. Best practices will be used along with signage to indicate the wetland areas to keep any trucks or construction equipment away from the area. All NEPA and SEPA protocols will be followed when entering any natural environment that requires precaution, and best management practices will take place throughout the entire project.

FEMA maps show that, due to the proximity of the Kittitas River and its tributaries, some portions of the proposed project area are in a 100-year flood zone. The construction in these areas will be required to avoid unnecessary impacts in these areas and to ensure all measures are taken to prevent erosion and restore any disturbed groundcover.



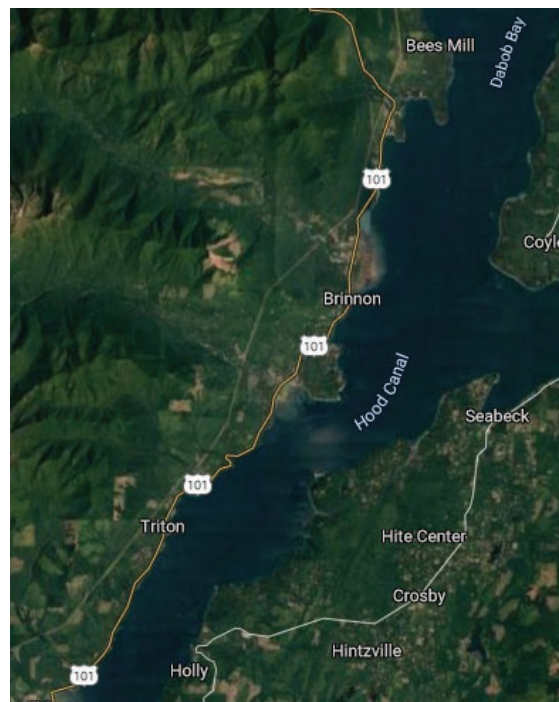
Declaration Networks: The fiber project will take place along Highway 25 from North Kettle Falls up to Northport, Washington. As this is a FTTH project, there will be no towers built. Most of the fiber will be underground and require boring and trenching, but as the fiber will connect to the NoaNet backbone, no additional ground disturbance will be required for middle mile fiber. BLM information shows that the proposed project locations do not contain any areas of critical environmental concern. There are no tribal or federal lands. Right-of-way permits will be obtained through proper channels for an area between Evans and Bossburg and permits necessary from DOT. Railroad crossing permits will be applied for as needed.

The National Wetlands Inventory shows small portions of the fiber route along Highway 25 cross Freshwater Emergent Wetlands. DNG will follow all SEPA and NEPA regulations and requirements. Impact on the area will be minimized by keeping the construction footprint as small as possible. The wetland areas will be clearly marked onsite to ensure proper precautions

are taken by all construction workers, engineers, and contractors.

Similarly, portions of the project are in a 100-year flood zone due to the proximity of the Columbia River. Caution will be taken in all these areas, and SEPA and NEPA and any FEMA regulations will be followed. Care will be taken to disturb as little land as possible, protocols will be followed to prevent erosion, and efforts will be made to restore any disturbances made to the wildlife.

Hood Canal Communications: The proposed project for HCC will run along US Highway 101 along the west side of the Hood Canal. HCC already has a franchise agreement with WSDOT and permitting is underway for the rest of the area, including the federal land held by the Department of Fish and Wildlife. HCC will work along existing easements and rights-of-way. No tribal land, railroads, or BLM areas of critical environmental concern will be crossed.



HCC's project will avoid Estuarine and Marine Wetland completely and run across small sporadic areas of Freshwater Forested/Shrub Wetland. Minimization steps will be taken to impact the smallest portions of these areas. For the FTTH, most of these areas will be receiving aerial fiber, removing the need for

underground trenching. Old poles will be replaced to meet National Electronic Safety Code; however, minimal ground disturbance will be required for FTTH. Five miles of middle-mile will be placed underground from Eldon to Jefferson County. All precautions will be taken during boring and trenching to minimize any impact from ground disturbance.

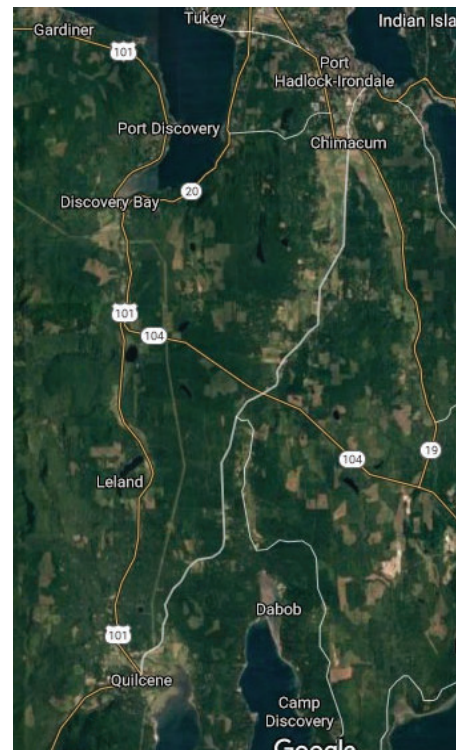
The only portions of the project which land in a 100-year flood zone are the areas near the Duckabush River and the Dosewallips River. Erosion control will be used for any construction activity near these areas, and proper marking will identify the area to avoid unnecessary disturbance. With much of the fiber in these areas being aerial on poles, there will be minimal disruption to the area, and minimal disruption to the fiber in instances of flooding.

Jefferson PUD: Jefferson PUD's project will continue where the HCC project ends, covering both sides of Diablo Bay and culminating at Discovery Bay. The fiber will be buried where current utilities exist, using existing utility rights-of-way. Aerial fiber will be placed on existing poles that JPUD already owns. There will be no construction in soil that has never been disturbed for other utilities.

BLM mapping shows that the proposed service areas do not cover any areas of environmental concern nor any conservation areas. No tribal lands will be crossed in this project, nor areas of historical significance. No railroads will be crossed either.

Like the project to the south, the JPUD proposed service area will avoid building in any Estuarine and Marine Wetland but may cross portions of Freshwater Emergent Wetland. All SEPA and NEPA regulations will be followed to protect these areas, and efforts made to create minimal ground disturbance. Any affected areas will be treated with caution by workers and heavy machinery equipment will be avoided in any wetland area. Any necessary environmental permits will be obtained.

The main middle mile and FTTH will take place along an inland route with no significant bodies of water nearby. The beginning of the fiber line is near the Little Quilcene River and the Big Quilcene River. Both regions around the rivers have small 100-year flood plain zones, often no wider than five meters. Regardless of distance, JPUD will follow best practices in these areas to avoid erosion and any impact on surrounding flora and fauna.





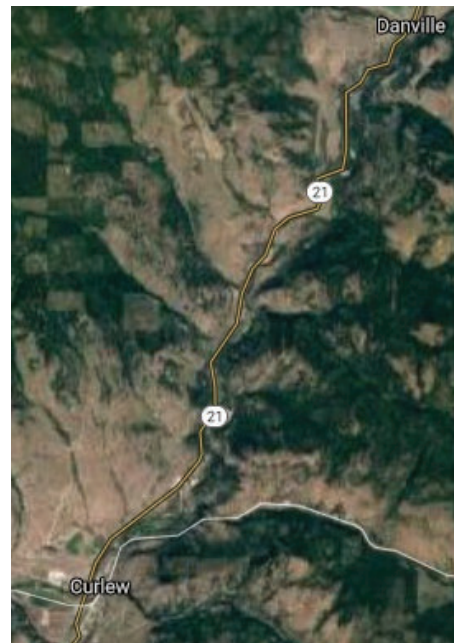
Ziplly: Ziplly will have four unique proposed service areas that stretch across Northeastern Washington. The project across all areas will be replacing copper wire with fiber-optic cable, both aerial and underground. Ziplly currently owns and operates the copper wiring. This proves to be an extreme benefit as little new construction and ground disturbance will be required to replace the old copper with the newer fiber; the new infrastructure will use the same poles and conduit.



A complete environmental review was done for the initial copper build, with Ziplly complying with all guidelines at the time and receiving proper federal and state permits. Currently, BLM mapping shows no areas of critical environmental concern in the Ziplly project zones. Should re-permitting be needed, Ziplly will efficiently do so through the proper channels.

There are various nearby bodies of water in the project areas: the Okanogan River in Tonasket, the Columbia River and

Lake Pateros in Brewster, and the Kettle River in Curlew and Danville. This places all the proposed project service areas in FEMA 100-year flood zone. Precautions were taken during initial construction to avoid erosion in these areas. While there will be minimal disturbance of any FEMA designated areas, as the work will consist of replacing previous infrastructure, necessary steps will be taken to prevent adverse effects in the flood zones, including keeping vehicles from passing over sensitive areas.



All members of the covered partnership are aware of the fish and wildlife in their respective proposed project areas. Attached are the Threatened and Endangered Species reports through the Fish and Wildlife Information for Planning and Consultation tool.

There should be minimal impact to the environment on local species, endangered or otherwise. The proposed projects will all take place in one year or less; the less time spent on construction means less time spent disrupting the environment and its mammalian and avian inhabitants.

Funding Support

The covered partnership is committed to the goal of providing broadband access to every Washingtonian. To that end, the organizations in the covered partnership have agreed to match funds for the NTIA Broadband Infrastructure Grant Program in the following amounts:

- DNG: \$602,500 (10% of project total)
- HCC: \$350,000(3% of project total)
- JPUd: \$629,085 (5% of project total)
- Ziply: \$1,306,935 (25% of project total)

As a partner, Mason County PUD No. 1 will be providing in-kind services to the HCC project. The PUD will perform pole engineering services for make-ready to accommodate fiber attachments to the main line and tap leg poles. The estimated engineering cost of these services is \$139,200.

The contribution by the Washington State Broadband Office has been designed to reflect the award NTIA is able to offer the project. Should the \$30,000,000 ask be met, WSBO is committed to provide matching funding support in the amount of \$4,246,790.

<u>Applicant</u>	<u>Total Project</u>	<u>Private/In Kind Match</u>	<u>State Proposed Match</u>	<u>NTIA Request</u>
1. WSBO	\$730,872		\$730,872	
2. DNG	\$6,025,000	\$602,500		\$5,422,500
3. Ellensburg	\$437,573	\$0		\$437,573
4. Ziply	\$5,267,345	\$1,306,935		\$3,960,410
5. Jefferson PUD	\$12,191,477	\$629,085	\$1,448,224	\$10,114,168
6. HCC/Mason PUD	\$12,622,243	\$489,200	\$2,067,694	\$10,065,349
			\$2,246,790	\$30,000,000

The two projects in Jefferson County are areas of importance to the state and their funding is a priority in reaching the WSBO’s goals. To that end, the state proposes an alternative funding support scenario, in which WSBO will consider covering up to the total of the costs of the two Jefferson County projects and ask for NTIA funding support in the amount of \$10,561,391.

Labor Standards

It is the intention of those in our covered partnership to ensure broadband deployment projects create well-paying jobs for local communities. We will follow all local and state labor standards and agreements. WSBO and partners will consult with local authorities on local hiring preference goals and make a good faith effort to achieve local hiring goals. It is the practice of our participants to source jobs locally, bringing in outside labor only if specific roles cannot be filled due to a lack of qualifications or skills. Our projects will follow labor laws set forth by the state of Washington and the federal government and ensure protections for laborers.

The City of Ellensburg will be contracting with Paramount Construction who follow all labor guidelines set forth in the State of Washington Department of Enterprise Services Master Contract No. 00918. Both DNG and HCC have worked on federal projects requiring Davis-Bacon prevailing wages and are ready to

do so again if need be. Jefferson County PUD employs union crews and requires prevailing wages under chapter 39.12 RCW. Any worker, laborer, or mechanic employed in the performance of any of the work shall be paid not less than the applicable prevailing rate of wage. To support the Ziplly Fibers' aggressive infrastructure build out plan, contractors are solicited from local and regional areas. Contract agreement terms include living wage rates and benefit options that attract the most skilled workforce available.

Dawn Eychaner

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Skills & Abilities

A collaborative and team-oriented leader, I enjoy achieving high quality results with focus and creative problem-solving. I am experienced in successfully navigating dynamic environments by using strong communication skills and can adapt quickly to changing circumstances and priorities.

Experience

Deputy Director, Washington State Broadband Office
Department of Commerce

6/2021 – present

- Responsible to the Director for the budgeting and accounting of all operating, capital, and federal funds in excess of \$500 million biennially. Oversee the development, coordination, and implementation of policies that guide the investment of funds.
- Coordinate and direct the Broadband strategic plan, initiatives, and program development with partners such as the Governor's Office, legislators, other state agencies, Tribes, and local governments.
- Oversee the hiring, coaching, and management of 7-12 office staff, develop and implement office work plan, set expectations, manage staff performance.

Senior Research Analyst — Office of Program Research
Washington State House of Representatives

9/2015 – 6/2021

- Developed and drafted legislation for elected officials, collaborated with stakeholders, and advised members of the House on risks and benefits of policy options.
- Analyzed, wrote, and presented staff reports on bills and other subjects in public legislative committee hearings and provided private briefings for members on specific topics.
- Mentored and supervised new staff and graduate interns.

Policy Manager — Community Services & Housing Division
Department of Commerce

4/2014 – 9/2015

- Represented the Department with legislators and executive branch leaders; testified before legislative committees.
- Managed and wrote external communications materials for community services and housing programs.
- Made policy recommendations to executive leadership based on data, stakeholder relations, and agency priorities.
- Supervised staff by hiring, coaching, delegating work, and evaluating performance.

Program Manager — Community Economic Revitalization Board
Department of Commerce

7/2012 – 3/2014

- Managed \$9-20 million in various grant and loan programs focused on rural economic development and local government infrastructure.
- Presented recommendations for capital project funding to a 20-member board, executed and oversaw contracts for approved projects.
- Developed program policies, cultivated stakeholder relationships, and gave presentations to legislative committees, conference attendees, and other audiences.
- Supervised staff by hiring, coaching, delegating work, and evaluating performance.

Policy and Program Development Specialist — Public Works Board
Community Economic Revitalization Board
Department of Commerce

10/2010 – 7/2012

- Developed and implemented competitive grant programs for two state boards in collaboration with various external and internal partners.
- Evaluated applications and presented project funding recommendations. Monitored and reported on project outcomes.

Education

- Master of Public Administration, The Evergreen State College, 2015.
- Bachelor of Arts, Social Sciences, The Evergreen State College, 2003.

References available upon request.

TAMMY MASTRO

Washington State Broadband Office/Department of Commerce

Experience

Mar 2021 to Present

Commerce Specialist 3

Washington State Broadband Office /Department of Commerce

- Develop, negotiate, and monitor technical aspects of complex contracts between the Office of Broadband and local governments; Develop and maintain cooperative relationships with government, business, industry, community organizations and government officials.
- Monitor contractor compliance with federal and state laws, regulations and directives. Negotiate resolutions to discrepancies or issues arising during the contract performance period. Verify billing cost and expenditures against scope of work and established contract budget.
- Maintain accurate data in proprietary database and Contract Management System (CMS) including scanning and submitting electronic documents and coordinating data correction with database administrator to ensure accurate and timely data.
- Monitor project and contracts to ensure compliance with time lines for construction, repair, and restoration of facilities by alerting clients to key project milestones and guiding them through the time extension, project closure and contract close out processes.

September 2003 to Mar 2021

Commerce Specialist 1

Energy Facility Site Evaluation Council/Utilities and Transportation Commission

- Contract management of inter-agency agreements, personal service contracts, and MOUs. Prepare and analyze budget proposals from contractors including state agencies and environmental consultants. Negotiate agreements, prepare contracts and amendments for execution.
- Establish monitoring policies and practices based upon permitting requirements and program procedures. Monitor contractors to ensure compliance in meeting statutory obligations. Verify billing cost and expenditures against scope of work and established contract budget.
- Interpret and explain Washington Administrative Code (WAC) and Revised Code of Washington (RCW) to public, organizations and non-government entities at public meetings, and inform them of their opportunities to participate in the Site evaluation process. Provide clarity and respond to inquiries from the public, energy developers, environmental groups, businesses, non-profit organizations, and council members regarding applications, siting, and compliance processes.

March 1996 to October 1999

Self-Reliance Specialist

Division of Child Support Enforcement Idaho Department of Health and Welfare

- Performed duties in a high-volume, high-stress environment to assist customers for various benefit and services, while meeting and sustaining accuracy and productivity standards.
- Conducted in person intake of child support applications, received, and evaluated modification requests, and communicated with custodial/non-custodial parents and guardians. Worked with families to established paternity for their children and if needed worked with attorneys to established child support orders.
- Maintained financial records of child support obligations and ensured compliance with court orders by collecting required debts.
- Developed and maintained management systems to support workload activities and meet federally mandated outcomes/reporting requirements.
- Conducted and documented highly sensitive and confidential interviews with clients and experienced in de-escalating emotionally charged situations.

January 1988 to June 1996

911 Dispatcher / Jailer / Reserve Deputy Sheriff

Canyon County Sheriff's Office/ Caldwell, Idaho

- 911 dispatcher, which required obtaining information from individuals in crisis to determine location and nature of emergency services needed.
- Dispatch emergency response personnel and units to situations of identified need.
- Provided law enforcement duties, such as traffic stops, building searches, assisted in collection of evidence, served arrest warrants, investigation of crimes, pursuit of fleeing suspects, filed warrants, gathered information, evaluated evidence, applied local/state/federal laws and updated National Crime Information Center (NCIC) communications.

Personal Info

Address

(b) (6)

Phone

(b) (6)

Email

(b) (6)

Skills

Effective Decision Making
Conflict Resolution and Problem Solving
SharePoint Development and Operation
Microsoft Office Products
Web-based Reporting Systems

Education

1992 – Boise State University – AA Degree

1993 – Canyon County Detention Academy

Amy Brown

Executive Assistant | Project Manager | Management Analyst



Key Skills

- Complex calendar and scheduling support at executive level
- Database system development and management
- Office administration & management
- Complex travel research, coordination and implementation
- Policy and program development, implementation and management
- Program Management
- Advanced MS Office Suite
- Grant and RFP research, writing and submissions
- Proven success in managing numerous CMS (content management systems) to ensure accurate user management, tracking reporting and other specific functions.



Relevant Work History

Management Analyst : August 2021- Current

Washington State Department of Commerce – Office of Broadband Olympia, WA

- Develop databases and other systems and tool for managing communication and stakeholder engagement.
- Develop and manage communications plan for broadband office.
- Research and analyze local government trends to help develop policy recommendations for grant programs that address broadband impact to underserved communities.
- Research funding sources.
- Develop and maintain list of stakeholders with added emphasis on marginalized, rural and tribal communities.

Executive Assistant | Office Manager : February 2020 – July 2021

Sterling Identity, Portland, OR

- Initiated and tracked all processes for procurement using advanced software proficiencies.
- Produced accurate office files, updated spreadsheets and crafted presentations to support executives and boost team efficiency.
- Streamlined operations and prioritized tasks, allowing senior staff to increase productivity.

Sr Executive Assistant | Administrative Supervisor : October 2018 – November 2019

SERA Architects Inc., Portland, OR

- Provided executive support to 7-10 leaders and members of executive board.
- Streamlined operations and prioritized tasks. Handled logistics, agendas and travel arrangements for meeting and event planning for board of directors and Senior Leadership team
- Conducted research and prepared presentations, materials and documentation for use by Principals in meetings, engagements and board presentations.

Executive Assistant to CEO | Office Manager : November 2013 – August 2018

Wowza Media Systems LLC, Golden, CO

- Provided high level executive support across leadership team.
- Proven success implementing and managing various internal projects.

Executive Assistant to President | Project Manager | Chief of Staff : March 2004 – October 2013

Brainstorm Internet, Durango, CO

- Managed President's complex and frequently changing schedule, travel arrangements and shifting priorities.
- Project management of various broadband deployments across Colorado with special emphasis on rural and tribal communities.
- Proven success in procuring stimulus and grant money from various government programs including, ERATE, USAC and NTIA/ARRA by researching government policies, professional networking, identifying funding sources and proposal/grant writing.
- Researched and analyzed industry trends to help develop broadband initiatives and recommendations.
- Ensured President was kept informed to any legislative or PUC changes and pivoted internal efforts accordingly.



United States Department of the Interior



FISH AND WILDLIFE SERVICE
Washington Fish And Wildlife Office
510 Desmond Drive Se, Suite 102
Lacey, WA 98503-1263
Phone: (360) 753-9440 Fax: (360) 753-9405
<http://www.fws.gov/wafwo/>

In Reply Refer To:

July 30, 2021

Consultation Code: 01EWF00-2021-SLI-1521

Event Code: 01EWF00-2021-E-03046

Project Name: DNG Group

Subject: List of threatened and endangered species that may occur in your proposed project location or may be affected by your proposed project

To Whom It May Concern:

The enclosed species list identifies threatened, endangered, and proposed species, designated and proposed critical habitat, and candidate species that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 et seq.).

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. The species list is currently compiled at the county level. Additional information is available from the Washington Department of Fish and Wildlife, Priority Habitats and Species website: <http://wdfw.wa.gov/mapping/phs/> or at our office website: http://www.fws.gov/wafwo/species_new.html. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the ECOS-IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the ECOS-IPaC system by completing the same process used to receive the enclosed list.

The purpose of the Act is to provide a means whereby threatened and endangered species and the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the Act and its implementing regulations (50 CFR 402 et seq.), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered species and to determine whether projects may affect threatened and endangered species and/or designated critical habitat.

A Biological Assessment is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2)(c)). For projects other than major construction activities, the Service suggests that a biological evaluation similar to a Biological Assessment be prepared to determine whether or not the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

If a Federal agency determines, based on the Biological Assessment or biological evaluation, that listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to consult with the Service pursuant to 50 CFR 402. In addition, the Service recommends that candidate species, proposed species, and proposed critical habitat be addressed within the consultation. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the "Endangered Species Consultation Handbook" at:

<http://www.fws.gov/endangered/esa-library/pdf/TOC-GLOS.PDF>

Please be aware that bald and golden eagles are protected under the Bald and Golden Eagle Protection Act (16 U.S.C. 668 et seq.). You may visit our website at <http://www.fws.gov/pacific/eagle/for> information on disturbance or take of the species and information on how to get a permit and what current guidelines and regulations are. Some projects affecting these species may require development of an eagle conservation plan: (http://www.fws.gov/windenergy/eagle_guidance.html). Additionally, wind energy projects should follow the wind energy guidelines (<http://www.fws.gov/windenergy/>) for minimizing impacts to migratory birds and bats.

Also be aware that all marine mammals are protected under the Marine Mammal Protection Act (MMPA). The MMPA prohibits, with certain exceptions, the "take" of marine mammals in U.S. waters and by U.S. citizens on the high seas. The importation of marine mammals and marine mammal products into the U.S. is also prohibited. More information can be found on the MMPA website: <http://www.nmfs.noaa.gov/pr/laws/mmpa/>.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. Please include the Consultation Tracking Number in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.

Related website:

National Marine Fisheries Service: http://www.nwr.noaa.gov/protected_species/species_list/species_lists.html

Attachment(s):

- Official Species List
-

Official Species List

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

Washington Fish And Wildlife Office

510 Desmond Drive Se, Suite 102

Lacey, WA 98503-1263

(360) 753-9440

Project Summary

Consultation Code: 01EWF00-2021-SLI-1521

Event Code: 01EWF00-2021-E-03046

Project Name: DNG Group

Project Type: Federal Grant / Loan Related

Project Description: DNG Implementation

Project Location:

Approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@48.7581834,-117.98847168061508,14z>



Counties: Ferry and Stevens counties, Washington

Endangered Species Act Species

There is a total of 4 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries¹, as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

-
1. [NOAA Fisheries](#), also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

Mammals

NAME	STATUS
Canada Lynx <i>Lynx canadensis</i> Population: Wherever Found in Contiguous U.S. There is final critical habitat for this species. The location of the critical habitat is not available. Species profile: https://ecos.fws.gov/ecp/species/3652	Threatened
Grizzly Bear <i>Ursus arctos horribilis</i> Population: U.S.A., conterminous (lower 48) States, except where listed as an experimental population There is proposed critical habitat for this species. The location of the critical habitat is not available. Species profile: https://ecos.fws.gov/ecp/species/7642	Threatened

Birds

NAME	STATUS
Yellow-billed Cuckoo <i>Coccyzus americanus</i> Population: Western U.S. DPS There is final critical habitat for this species. The location of the critical habitat is not available. Species profile: https://ecos.fws.gov/ecp/species/3911	Threatened

Fishes

NAME	STATUS
Bull Trout <i>Salvelinus confluentus</i>	Threatened
Population: U.S.A., conterminous, lower 48 states	
There is final critical habitat for this species. The location of the critical habitat is not available.	
Species profile: https://ecos.fws.gov/ecp/species/8212	

Critical habitats

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.



United States Department of the Interior



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<http://www.fws.gov/wafwo/>

In Reply Refer To:

July 30, 2021

Consultation Code: 01EWF00-2021-SLI-1520

Event Code: 01EWF00-2021-E-03044

Project Name: Ellensburg

Subject: List of threatened and endangered species that may occur in your proposed project location or may be affected by your proposed project

To Whom It May Concern:

The enclosed species list identifies threatened, endangered, and proposed species, designated and proposed critical habitat, and candidate species that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 et seq.).

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. The species list is currently compiled at the county level. Additional information is available from the Washington Department of Fish and Wildlife, Priority Habitats and Species website: <http://wdfw.wa.gov/mapping/phs/> or at our office website: http://www.fws.gov/wafwo/species_new.html. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the ECOS-IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the ECOS-IPaC system by completing the same process used to receive the enclosed list.

The purpose of the Act is to provide a means whereby threatened and endangered species and the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the Act and its implementing regulations (50 CFR 402 et seq.), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered species and to determine whether projects may affect threatened and endangered species and/or designated critical habitat.

A Biological Assessment is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2)(c)). For projects other than major construction activities, the Service suggests that a biological evaluation similar to a Biological Assessment be prepared to determine whether or not the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

If a Federal agency determines, based on the Biological Assessment or biological evaluation, that listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to consult with the Service pursuant to 50 CFR 402. In addition, the Service recommends that candidate species, proposed species, and proposed critical habitat be addressed within the consultation. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the "Endangered Species Consultation Handbook" at:

<http://www.fws.gov/endangered/esa-library/pdf/TOC-GLOS.PDF>

Please be aware that bald and golden eagles are protected under the Bald and Golden Eagle Protection Act (16 U.S.C. 668 et seq.). You may visit our website at <http://www.fws.gov/pacific/eagle/for> information on disturbance or take of the species and information on how to get a permit and what current guidelines and regulations are. Some projects affecting these species may require development of an eagle conservation plan: (http://www.fws.gov/windenergy/eagle_guidance.html). Additionally, wind energy projects should follow the wind energy guidelines (<http://www.fws.gov/windenergy/>) for minimizing impacts to migratory birds and bats.

Also be aware that all marine mammals are protected under the Marine Mammal Protection Act (MMPA). The MMPA prohibits, with certain exceptions, the "take" of marine mammals in U.S. waters and by U.S. citizens on the high seas. The importation of marine mammals and marine mammal products into the U.S. is also prohibited. More information can be found on the MMPA website: <http://www.nmfs.noaa.gov/pr/laws/mmpa/>.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. Please include the Consultation Tracking Number in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.

Related website:

National Marine Fisheries Service: http://www.nwr.noaa.gov/protected_species/species_list/species_lists.html

Attachment(s):

- Official Species List
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Official Species List

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This species list is provided by:

Washington Fish And Wildlife Office

510 Desmond Drive Se, Suite 102

Lacey, WA 98503-1263

(360) 753-9440

Project Summary

Consultation Code: 01EWF00-2021-SLI-1520

Event Code: 01EWF00-2021-E-03044

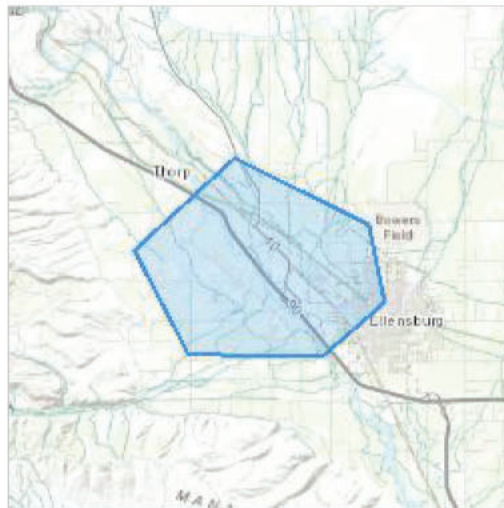
Project Name: Ellensburg

Project Type: Federal Grant / Loan Related

Project Description: Ellensburg Build - Fiber

Project Location:

Approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@47.02308735,-120.6095390057506,14z>



Counties: Kittitas County, Washington

Endangered Species Act Species

There is a total of 4 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries¹, as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

-
1. [NOAA Fisheries](#), also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

Mammals

NAME	STATUS
Canada Lynx <i>Lynx canadensis</i> Population: Wherever Found in Contiguous U.S. There is final critical habitat for this species. The location of the critical habitat is not available. Species profile: https://ecos.fws.gov/ecp/species/3652	Threatened
Gray Wolf <i>Canis lupus</i> Population: Western Distinct Population Segment No critical habitat has been designated for this species.	Proposed Endangered

Birds

NAME	STATUS
Yellow-billed Cuckoo <i>Coccyzus americanus</i> Population: Western U.S. DPS There is final critical habitat for this species. The location of the critical habitat is not available. Species profile: https://ecos.fws.gov/ecp/species/3911	Threatened

Fishes

NAME	STATUS
Bull Trout <i>Salvelinus confluentus</i> Population: U.S.A., conterminous, lower 48 states There is final critical habitat for this species. Your location overlaps the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/8212	Threatened

Critical habitats

There is 1 critical habitat wholly or partially within your project area under this office's jurisdiction.

NAME	STATUS
Bull Trout <i>Salvelinus confluentus</i> https://ecos.fws.gov/ecp/species/8212#crithab	Final



United States Department of the Interior



FISH AND WILDLIFE SERVICE
Washington Fish And Wildlife Office
510 Desmond Drive Se, Suite 102
Lacey, WA 98503-1263
Phone: (360) 753-9440 Fax: (360) 753-9405
<http://www.fws.gov/wafwo/>

In Reply Refer To:

July 30, 2021

Consultation Code: 01EWF00-2021-SLI-1524

Event Code: 01EWF00-2021-E-03050

Project Name: Hood Canal

Subject: List of threatened and endangered species that may occur in your proposed project location or may be affected by your proposed project

To Whom It May Concern:

The enclosed species list identifies threatened, endangered, and proposed species, designated and proposed critical habitat, and candidate species that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 et seq.).

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. The species list is currently compiled at the county level. Additional information is available from the Washington Department of Fish and Wildlife, Priority Habitats and Species website: <http://wdfw.wa.gov/mapping/phs/> or at our office website: http://www.fws.gov/wafwo/species_new.html. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the ECOS-IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the ECOS-IPaC system by completing the same process used to receive the enclosed list.

The purpose of the Act is to provide a means whereby threatened and endangered species and the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the Act and its implementing regulations (50 CFR 402 et seq.), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered species and to determine whether projects may affect threatened and endangered species and/or designated critical habitat.

A Biological Assessment is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2)(c)). For projects other than major construction activities, the Service suggests that a biological evaluation similar to a Biological Assessment be prepared to determine whether or not the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

If a Federal agency determines, based on the Biological Assessment or biological evaluation, that listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to consult with the Service pursuant to 50 CFR 402. In addition, the Service recommends that candidate species, proposed species, and proposed critical habitat be addressed within the consultation. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the "Endangered Species Consultation Handbook" at:

<http://www.fws.gov/endangered/esa-library/pdf/TOC-GLOS.PDF>

Please be aware that bald and golden eagles are protected under the Bald and Golden Eagle Protection Act (16 U.S.C. 668 et seq.). You may visit our website at <http://www.fws.gov/pacific/eagle/for> information on disturbance or take of the species and information on how to get a permit and what current guidelines and regulations are. Some projects affecting these species may require development of an eagle conservation plan: (http://www.fws.gov/windenergy/eagle_guidance.html). Additionally, wind energy projects should follow the wind energy guidelines (<http://www.fws.gov/windenergy/>) for minimizing impacts to migratory birds and bats.

Also be aware that all marine mammals are protected under the Marine Mammal Protection Act (MMPA). The MMPA prohibits, with certain exceptions, the "take" of marine mammals in U.S. waters and by U.S. citizens on the high seas. The importation of marine mammals and marine mammal products into the U.S. is also prohibited. More information can be found on the MMPA website: <http://www.nmfs.noaa.gov/pr/laws/mmpa/>.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. Please include the Consultation Tracking Number in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.

Related website:

National Marine Fisheries Service: http://www.nwr.noaa.gov/protected_species/species_list/species_lists.html

Attachment(s):

- Official Species List
-

Official Species List

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

Washington Fish And Wildlife Office

510 Desmond Drive Se, Suite 102

Lacey, WA 98503-1263

(360) 753-9440

Project Summary

Consultation Code: 01EWF00-2021-SLI-1524

Event Code: 01EWF00-2021-E-03050

Project Name: Hood Canal

Project Type: Federal Grant / Loan Related

Project Description: Hood Canal Communications

Project Location:

Approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@47.65495505,-122.94792262907525,14z>



Counties: Jefferson and Mason counties, Washington

Endangered Species Act Species

There is a total of 6 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries¹, as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

-
1. [NOAA Fisheries](#), also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

Birds

NAME	STATUS
Marbled Murrelet <i>Brachyramphus marmoratus</i> Population: U.S.A. (CA, OR, WA) There is final critical habitat for this species. Your location overlaps the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/4467	Threatened
Northern Spotted Owl <i>Strix occidentalis caurina</i> There is final critical habitat for this species. Your location overlaps the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/1123	Threatened
Streaked Horned Lark <i>Eremophila alpestris strigata</i> There is final critical habitat for this species. The location of the critical habitat is not available. Species profile: https://ecos.fws.gov/ecp/species/7268	Threatened
Yellow-billed Cuckoo <i>Coccyzus americanus</i> Population: Western U.S. DPS There is final critical habitat for this species. The location of the critical habitat is not available. Species profile: https://ecos.fws.gov/ecp/species/3911	Threatened

Fishes

NAME	STATUS
Bull Trout <i>Salvelinus confluentus</i> Population: U.S.A., conterminous, lower 48 states There is final critical habitat for this species. Your location overlaps the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/8212	Threatened
Dolly Varden <i>Salvelinus malma</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/1008	Proposed Similarity of Appearance (Threatened)

Critical habitats

There are 3 critical habitats wholly or partially within your project area under this office's jurisdiction.

NAME	STATUS
Bull Trout <i>Salvelinus confluentus</i> https://ecos.fws.gov/ecp/species/8212#crithab	Final
Marbled Murrelet <i>Brachyramphus marmoratus</i> https://ecos.fws.gov/ecp/species/4467#crithab	Final
Northern Spotted Owl <i>Strix occidentalis caurina</i> https://ecos.fws.gov/ecp/species/1123#crithab	Final



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<http://www.fws.gov/wafwo/>

In Reply Refer To:

July 30, 2021

Consultation Code: 01EWF00-2021-SLI-1522

Event Code: 01EWF00-2021-E-03048

Project Name: Jefferson PUD

Subject: List of threatened and endangered species that may occur in your proposed project location or may be affected by your proposed project

To Whom It May Concern:

The enclosed species list identifies threatened, endangered, and proposed species, designated and proposed critical habitat, and candidate species that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 et seq.).

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. The species list is currently compiled at the county level. Additional information is available from the Washington Department of Fish and Wildlife, Priority Habitats and Species website: <http://wdfw.wa.gov/mapping/phs/> or at our office website: http://www.fws.gov/wafwo/species_new.html. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the ECOS-IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the ECOS-IPaC system by completing the same process used to receive the enclosed list.

The purpose of the Act is to provide a means whereby threatened and endangered species and the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the Act and its implementing regulations (50 CFR 402 et seq.), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered species and to determine whether projects may affect threatened and endangered species and/or designated critical habitat.

A Biological Assessment is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2)(c)). For projects other than major construction activities, the Service suggests that a biological evaluation similar to a Biological Assessment be prepared to determine whether or not the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

If a Federal agency determines, based on the Biological Assessment or biological evaluation, that listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to consult with the Service pursuant to 50 CFR 402. In addition, the Service recommends that candidate species, proposed species, and proposed critical habitat be addressed within the consultation. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the "Endangered Species Consultation Handbook" at:

<http://www.fws.gov/endangered/esa-library/pdf/TOC-GLOS.PDF>

Please be aware that bald and golden eagles are protected under the Bald and Golden Eagle Protection Act (16 U.S.C. 668 et seq.). You may visit our website at <http://www.fws.gov/pacific/eagle/for> information on disturbance or take of the species and information on how to get a permit and what current guidelines and regulations are. Some projects affecting these species may require development of an eagle conservation plan: (http://www.fws.gov/windenergy/eagle_guidance.html). Additionally, wind energy projects should follow the wind energy guidelines (<http://www.fws.gov/windenergy/>) for minimizing impacts to migratory birds and bats.

Also be aware that all marine mammals are protected under the Marine Mammal Protection Act (MMPA). The MMPA prohibits, with certain exceptions, the "take" of marine mammals in U.S. waters and by U.S. citizens on the high seas. The importation of marine mammals and marine mammal products into the U.S. is also prohibited. More information can be found on the MMPA website: <http://www.nmfs.noaa.gov/pr/laws/mmpa/>.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. Please include the Consultation Tracking Number in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.

Related website:

National Marine Fisheries Service: http://www.nwr.noaa.gov/protected_species/species_list/species_lists.html

Attachment(s):

- Official Species List
-

Official Species List

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

Washington Fish And Wildlife Office

510 Desmond Drive Se, Suite 102

Lacey, WA 98503-1263

(360) 753-9440

Project Summary

Consultation Code: 01EWF00-2021-SLI-1522

Event Code: 01EWF00-2021-E-03048

Project Name: Jefferson PUD

Project Type: Federal Grant / Loan Related

Project Description: Jefferson PUD Project

Project Location:

Approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@47.89273755,-122.89244728396837,14z>



Counties: Clallam and Jefferson counties, Washington

Endangered Species Act Species

There is a total of 7 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries¹, as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

-
1. [NOAA Fisheries](#), also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

Birds

NAME	STATUS
Marbled Murrelet <i>Brachyramphus marmoratus</i> Population: U.S.A. (CA, OR, WA) There is final critical habitat for this species. Your location overlaps the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/4467	Threatened
Northern Spotted Owl <i>Strix occidentalis caurina</i> There is final critical habitat for this species. Your location overlaps the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/1123	Threatened
Streaked Horned Lark <i>Eremophila alpestris strigata</i> There is final critical habitat for this species. The location of the critical habitat is not available. Species profile: https://ecos.fws.gov/ecp/species/7268	Threatened
Yellow-billed Cuckoo <i>Coccyzus americanus</i> Population: Western U.S. DPS There is final critical habitat for this species. The location of the critical habitat is not available. Species profile: https://ecos.fws.gov/ecp/species/3911	Threatened

Fishes

NAME	STATUS
Bull Trout <i>Salvelinus confluentus</i> Population: U.S.A., conterminous, lower 48 states There is final critical habitat for this species. Your location overlaps the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/8212	Threatened
Dolly Varden <i>Salvelinus malma</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/1008	Proposed Similarity of Appearance (Threatened)

Flowering Plants

NAME	STATUS
Golden Paintbrush <i>Castilleja levisecta</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/7706	Threatened

Critical habitats

There are 3 critical habitats wholly or partially within your project area under this office's jurisdiction.

NAME	STATUS
Bull Trout <i>Salvelinus confluentus</i> https://ecos.fws.gov/ecp/species/8212#crithab	Final
Marbled Murrelet <i>Brachyramphus marmoratus</i> https://ecos.fws.gov/ecp/species/4467#crithab	Final
Northern Spotted Owl <i>Strix occidentalis caurina</i> https://ecos.fws.gov/ecp/species/1123#crithab	Final



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<http://www.fws.gov/wafwo/>

In Reply Refer To:

July 30, 2021

Consultation Code: 01EWF00-2021-SLI-1526

Event Code: 01EWF00-2021-E-03054

Project Name: Ziplly Project 2_3

Subject: List of threatened and endangered species that may occur in your proposed project location or may be affected by your proposed project

To Whom It May Concern:

The enclosed species list identifies threatened, endangered, and proposed species, designated and proposed critical habitat, and candidate species that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 et seq.).

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. The species list is currently compiled at the county level. Additional information is available from the Washington Department of Fish and Wildlife, Priority Habitats and Species website: <http://wdfw.wa.gov/mapping/phs/> or at our office website: http://www.fws.gov/wafwo/species_new.html. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the ECOS-IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the ECOS-IPaC system by completing the same process used to receive the enclosed list.

The purpose of the Act is to provide a means whereby threatened and endangered species and the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the Act and its implementing regulations (50 CFR 402 et seq.), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered species and to determine whether projects may affect threatened and endangered species and/or designated critical habitat.

A Biological Assessment is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2)(c)). For projects other than major construction activities, the Service suggests that a biological evaluation similar to a Biological Assessment be prepared to determine whether or not the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

If a Federal agency determines, based on the Biological Assessment or biological evaluation, that listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to consult with the Service pursuant to 50 CFR 402. In addition, the Service recommends that candidate species, proposed species, and proposed critical habitat be addressed within the consultation. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the "Endangered Species Consultation Handbook" at:

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Please be aware that bald and golden eagles are protected under the Bald and Golden Eagle Protection Act (16 U.S.C. 668 et seq.). You may visit our website at <http://www.fws.gov/pacific/eagle/for> information on disturbance or take of the species and information on how to get a permit and what current guidelines and regulations are. Some projects affecting these species may require development of an eagle conservation plan: (http://www.fws.gov/windenergy/eagle_guidance.html). Additionally, wind energy projects should follow the wind energy guidelines (<http://www.fws.gov/windenergy/>) for minimizing impacts to migratory birds and bats.

Also be aware that all marine mammals are protected under the Marine Mammal Protection Act (MMPA). The MMPA prohibits, with certain exceptions, the "take" of marine mammals in U.S. waters and by U.S. citizens on the high seas. The importation of marine mammals and marine mammal products into the U.S. is also prohibited. More information can be found on the MMPA website: <http://www.nmfs.noaa.gov/pr/laws/mmpa/>.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. Please include the Consultation Tracking Number in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.

Related website:

National Marine Fisheries Service: http://www.nwr.noaa.gov/protected_species/species_list/species_lists.html

Attachment(s):

- Official Species List
-

Official Species List

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

Washington Fish And Wildlife Office

510 Desmond Drive Se, Suite 102

Lacey, WA 98503-1263

(360) 753-9440

Project Summary

Consultation Code: 01EWF00-2021-SLI-1526

Event Code: 01EWF00-2021-E-03054

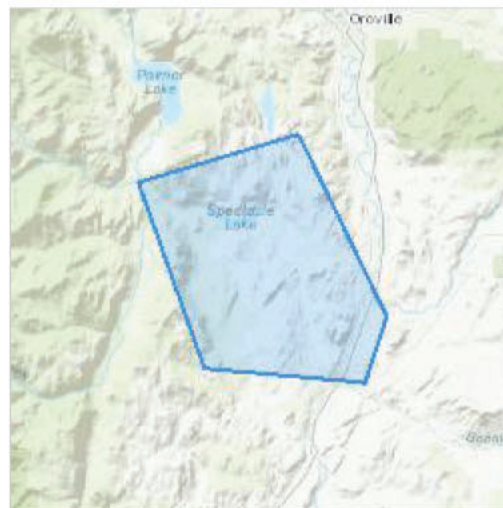
Project Name: Ziplly Project 2_3

Project Type: Federal Grant / Loan Related

Project Description: Ziplly Deployment 2/3

Project Location:

Approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@48.78191365,-119.52410570305351,14z>



Counties: Okanogan County, Washington

Endangered Species Act Species

There is a total of 4 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries¹, as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

1. [NOAA Fisheries](#), also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

Mammals

NAME	STATUS
Canada Lynx <i>Lynx canadensis</i> Population: Wherever Found in Contiguous U.S. There is final critical habitat for this species. The location of the critical habitat is not available. Species profile: https://ecos.fws.gov/ecp/species/3652	Threatened
Gray Wolf <i>Canis lupus</i> Population: Western Distinct Population Segment No critical habitat has been designated for this species.	Proposed Endangered

Birds

NAME	STATUS
Yellow-billed Cuckoo <i>Coccyzus americanus</i> Population: Western U.S. DPS There is final critical habitat for this species. The location of the critical habitat is not available. Species profile: https://ecos.fws.gov/ecp/species/3911	Threatened

Fishes

NAME	STATUS
Bull Trout <i>Salvelinus confluentus</i> Population: U.S.A., conterminous, lower 48 states There is final critical habitat for this species. The location of the critical habitat is not available. Species profile: https://ecos.fws.gov/ecp/species/8212	Threatened

Critical habitats

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.



United States Department of the Interior



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<http://www.fws.gov/wafwo/>

In Reply Refer To:

July 30, 2021

Consultation Code: 01EWF00-2021-SLI-1527

Event Code: 01EWF00-2021-E-03056

Project Name: Ziplly Project 4

Subject: List of threatened and endangered species that may occur in your proposed project location or may be affected by your proposed project

To Whom It May Concern:

The enclosed species list identifies threatened, endangered, and proposed species, designated and proposed critical habitat, and candidate species that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 et seq.).

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. The species list is currently compiled at the county level. Additional information is available from the Washington Department of Fish and Wildlife, Priority Habitats and Species website: <http://wdfw.wa.gov/mapping/phs/> or at our office website: http://www.fws.gov/wafwo/species_new.html. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the ECOS-IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the ECOS-IPaC system by completing the same process used to receive the enclosed list.

The purpose of the Act is to provide a means whereby threatened and endangered species and the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the Act and its implementing regulations (50 CFR 402 et seq.), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered species and to determine whether projects may affect threatened and endangered species and/or designated critical habitat.

A Biological Assessment is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2)(c)). For projects other than major construction activities, the Service suggests that a biological evaluation similar to a Biological Assessment be prepared to determine whether or not the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

If a Federal agency determines, based on the Biological Assessment or biological evaluation, that listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to consult with the Service pursuant to 50 CFR 402. In addition, the Service recommends that candidate species, proposed species, and proposed critical habitat be addressed within the consultation. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the "Endangered Species Consultation Handbook" at:

<http://www.fws.gov/endangered/esa-library/pdf/TOC-GLOS.PDF>

Please be aware that bald and golden eagles are protected under the Bald and Golden Eagle Protection Act (16 U.S.C. 668 et seq.). You may visit our website at <http://www.fws.gov/pacific/eagle/for> information on disturbance or take of the species and information on how to get a permit and what current guidelines and regulations are. Some projects affecting these species may require development of an eagle conservation plan: (http://www.fws.gov/windenergy/eagle_guidance.html). Additionally, wind energy projects should follow the wind energy guidelines (<http://www.fws.gov/windenergy/>) for minimizing impacts to migratory birds and bats.

Also be aware that all marine mammals are protected under the Marine Mammal Protection Act (MMPA). The MMPA prohibits, with certain exceptions, the "take" of marine mammals in U.S. waters and by U.S. citizens on the high seas. The importation of marine mammals and marine mammal products into the U.S. is also prohibited. More information can be found on the MMPA website: <http://www.nmfs.noaa.gov/pr/laws/mmpa/>.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. Please include the Consultation Tracking Number in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.

Related website:

National Marine Fisheries Service: http://www.nwr.noaa.gov/protected_species/species_list/species_lists.html

Attachment(s):

- Official Species List
-

Official Species List

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

Washington Fish And Wildlife Office

510 Desmond Drive Se, Suite 102

Lacey, WA 98503-1263

(360) 753-9440

Project Summary

Consultation Code: 01EWF00-2021-SLI-1527

Event Code: 01EWF00-2021-E-03056

Project Name: Ziplly Project 4

Project Type: Federal Grant / Loan Related

Project Description: Ziplly Area 4

Project Location:

Approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@48.9387036,-118.55939193851728,14z>



Counties: Ferry County, Washington

Endangered Species Act Species

There is a total of 3 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries¹, as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

1. [NOAA Fisheries](#), also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

Mammals

NAME	STATUS
Canada Lynx <i>Lynx canadensis</i> Population: Wherever Found in Contiguous U.S. There is final critical habitat for this species. The location of the critical habitat is not available. Species profile: https://ecos.fws.gov/ecp/species/3652	Threatened

Birds

NAME	STATUS
Yellow-billed Cuckoo <i>Coccyzus americanus</i> Population: Western U.S. DPS There is final critical habitat for this species. The location of the critical habitat is not available. Species profile: https://ecos.fws.gov/ecp/species/3911	Threatened

Fishes

NAME	STATUS
Bull Trout <i>Salvelinus confluentus</i> Population: U.S.A., conterminous, lower 48 states There is final critical habitat for this species. The location of the critical habitat is not available. Species profile: https://ecos.fws.gov/ecp/species/8212	Threatened

Critical habitats

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.



United States Department of the Interior



FISH AND WILDLIFE SERVICE
Washington Fish And Wildlife Office
510 Desmond Drive Se, Suite 102
Lacey, WA 98503-1263
Phone: (360) 753-9440 Fax: (360) 753-9405
<http://www.fws.gov/wafwo/>

In Reply Refer To:

July 30, 2021

Consultation Code: 01EWF00-2021-SLI-1525

Event Code: 01EWF00-2021-E-03052

Project Name: Ziplly Project 1

Subject: List of threatened and endangered species that may occur in your proposed project location or may be affected by your proposed project

To Whom It May Concern:

The enclosed species list identifies threatened, endangered, and proposed species, designated and proposed critical habitat, and candidate species that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 et seq.).

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. The species list is currently compiled at the county level. Additional information is available from the Washington Department of Fish and Wildlife, Priority Habitats and Species website: <http://wdfw.wa.gov/mapping/phs/> or at our office website: http://www.fws.gov/wafwo/species_new.html. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the ECOS-IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the ECOS-IPaC system by completing the same process used to receive the enclosed list.

The purpose of the Act is to provide a means whereby threatened and endangered species and the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the Act and its implementing regulations (50 CFR 402 et seq.), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered species and to determine whether projects may affect threatened and endangered species and/or designated critical habitat.

A Biological Assessment is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2)(c)). For projects other than major construction activities, the Service suggests that a biological evaluation similar to a Biological Assessment be prepared to determine whether or not the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

If a Federal agency determines, based on the Biological Assessment or biological evaluation, that listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to consult with the Service pursuant to 50 CFR 402. In addition, the Service recommends that candidate species, proposed species, and proposed critical habitat be addressed within the consultation. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the "Endangered Species Consultation Handbook" at:

<http://www.fws.gov/endangered/esa-library/pdf/TOC-GLOS.PDF>

Please be aware that bald and golden eagles are protected under the Bald and Golden Eagle Protection Act (16 U.S.C. 668 et seq.). You may visit our website at <http://www.fws.gov/pacific/eagle/for> information on disturbance or take of the species and information on how to get a permit and what current guidelines and regulations are. Some projects affecting these species may require development of an eagle conservation plan: (http://www.fws.gov/windenergy/eagle_guidance.html). Additionally, wind energy projects should follow the wind energy guidelines (<http://www.fws.gov/windenergy/>) for minimizing impacts to migratory birds and bats.

Also be aware that all marine mammals are protected under the Marine Mammal Protection Act (MMPA). The MMPA prohibits, with certain exceptions, the "take" of marine mammals in U.S. waters and by U.S. citizens on the high seas. The importation of marine mammals and marine mammal products into the U.S. is also prohibited. More information can be found on the MMPA website: <http://www.nmfs.noaa.gov/pr/laws/mmpa/>.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. Please include the Consultation Tracking Number in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.

Related website:

National Marine Fisheries Service: http://www.nwr.noaa.gov/protected_species/species_list/species_lists.html

Attachment(s):

- Official Species List
-

Official Species List

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

Washington Fish And Wildlife Office

510 Desmond Drive Se, Suite 102

Lacey, WA 98503-1263

(360) 753-9440

Project Summary

Consultation Code: 01EWF00-2021-SLI-1525

Event Code: 01EWF00-2021-E-03052

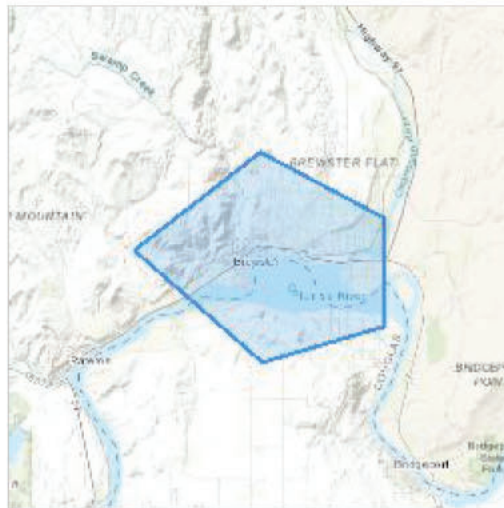
Project Name: Ziplly Project 1

Project Type: Federal Grant / Loan Related

Project Description: Ziplly Broadband Area 1

Project Location:

Approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@48.104543250000006,-119.76844677385083,14z>



Counties: Douglas and Okanogan counties, Washington

Endangered Species Act Species

There is a total of 4 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries¹, as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

-
1. [NOAA Fisheries](#), also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

Mammals

NAME	STATUS
Canada Lynx <i>Lynx canadensis</i> Population: Wherever Found in Contiguous U.S. There is final critical habitat for this species. The location of the critical habitat is not available. Species profile: https://ecos.fws.gov/ecp/species/3652	Threatened
Gray Wolf <i>Canis lupus</i> Population: Western Distinct Population Segment No critical habitat has been designated for this species.	Proposed Endangered

Birds

NAME	STATUS
Yellow-billed Cuckoo <i>Coccyzus americanus</i> Population: Western U.S. DPS There is final critical habitat for this species. The location of the critical habitat is not available. Species profile: https://ecos.fws.gov/ecp/species/3911	Threatened

Fishes

NAME	STATUS
Bull Trout <i>Salvelinus confluentus</i> Population: U.S.A., conterminous, lower 48 states There is final critical habitat for this species. Your location overlaps the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/8212	Threatened

Critical habitats

There is 1 critical habitat wholly or partially within your project area under this office's jurisdiction.

NAME	STATUS
Bull Trout <i>Salvelinus confluentus</i> https://ecos.fws.gov/ecp/species/8212#crithab	Final



July 29, 2021

National Telecommunications and Information Administration (NTIA)
U.S. Department of Commerce
1401 Constitution Ave., NW
Washington, DC 2023

Subject: Stevens County Broadband for Public Safety Request

The Washington State Department of Natural Resources (DNR), Northeast Region, is pleased to submit this letter of support for the request to build a fiber loop in North Stevens County. This project will improve wildfire planning and information sharing for future wildland fire incidents. The last fire incident camp at the Northport School District experienced communications challenges because of limited internet access. Another large wildfire incident in the Deep Lake area had no internet, cell service and poor radio communications. This created significant challenges for the incident management teams.

The DNR and landowners in this heavily forested region will benefit from expanded broadband service in North Stevens County. Many of the DNR pre-identified fire camp locations do not have broadband service which makes it more challenging to provide quality intelligence, fire planning and logistical support for firefighters. Examples of such needs include spot weather forecasts, resource ordering, infrared mapping access, situation reporting and incident documentation. These tasks must be completed via radio or telephone through an already overburdened dispatch center if there is no connectivity. In some instances, reports of incident status to emergency operations centers were not completed at all. This can be detrimental to emergency managers when it comes to the prioritization of incident resources and sharing information with the public.

Remote fire camp locations are preferred because they provide for reduced travel distance to and from the fire scene. This increases firefighter productivity and reduces the risk of driving. Ultimately, the DNR and partnering fire protection agencies have a greater chance of suppressing wildfires quickly when there is quality logistical support such as reliable broadband service.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Steve M. Harris'.

Steve M. Harris
Wildfire and Forest Practices Assistant Manager
Northeast Region



Libraries of Stevens County
4008 Cedar St
Loon Lake, WA 99148
509-233-9621

Chewelah Public Library
311 E. Clay Ave
Chewelah, WA 99109
509-935-6805

Colville Public Library
195 S. Oak St
Colville, WA 99114
509-684-6620

Hunters Public Library
5014 Columbia River Rd
Building #11
Hunters, WA 99137
509-722-3877

Kettle Falls Public Library
605 Meyers St
Kettle Falls, WA 99141
509-738-6817

Lakeside Community Library
5919 Hwy 291, Ste. 2
Nine Mile Falls, WA 99026
509-315-8339

Loon Lake Library
4008 Cedar St
Loon Lake, WA 99148
509-233-3016

Northport Community Library
521 Center Ave.
Northport, WA 99157
509-732-8928

Onion Creek Library Station
2191 Clugston-Onion Creek Rd
Onion Creek, WA 99114
509-738-6817

July 29, 2021

Bob Nichols, CEO
Declaration Networks

Mr. Nichols,

Thank you for considering a broadband expansion project in northern Stevens County as one of the projects to be included in the state's application to NTIA's broadband grant program. The Library District is supportive of this project and partnership with and urges you to include this in the state's NTIA broadband grant application package. This project will provide broadband services to unserved and underserved areas of the county that are currently in need, these areas include Marcus, Evans, Bossburg, Marble, Northport and some surrounding areas.

As you know, the COVID-19 pandemic has shed light on how essential affordable broadband is. High speed and reliable internet is needed for schooling, medical care, essential communication, and other needs of everyday life. Stevens County in particular is in need of more reliable broadband because we are a rural county where many of our residents do not currently have reliable access to the internet.

The Library District plays a vital role in broadband adoption by residents of Stevens County; many of whom have never used computers, much less the internet. Infrastructure is key to increasing digital literacy because unless people have affordable options to acquire it in their own homes, it's hard to increase usage and literacy rates.

The Stevens County Rural Library District is excited to partner with Declaration Network; especially to connect the Northport Community Library. You are committed to bringing high quality and robust broadband offerings to rural America and your participation in, and commitment to the Stevens County Broadband Action Team sets you apart from other ISP's.

Thank you for your support and I look forward to continuing this conversation.

Sincerely,

Amanda Six, Library Director

Wes McCart
District No. 1

Mark Burrows
District No. 2

Greg Young
District No. 3



Jonnie R. Brown
Interim Clerk of the Board

Karla Hood
Assistant Clerk

Stevens County Commissioners

Mailing Address: 215 South Oak St; Colville, WA 99114-2861

Location Address: 230 East Birch, Colville

Phone: 509-684-3751 Fax: 509-684-8310 TTY 800-833-6388

Email: Commissioners@stevenscountywa.gov

July 28, 2021

Bob Nichols, CEO
Declaration Networks (dba NeuBeam)
bob@declarationnetworks.com

RE: Stevens County and Declaration Network's NTIA Grant Application

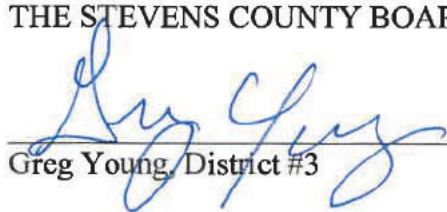
Mr. Nichols,

I write this letter at a critical time that demonstrates our need for increase broadband access in Stevens County District #3. Just this morning a wildfire has taken hold in the area to be served by this proposed project. There is a growing swath of Level 2 evacuations (you must be ready to leave), and we have **no way to reach our residents as they have no cell service and no internet**. Our fire districts and Department of Natural Resources would support this project with a letter of support, but they are out saving property and lives. During the months when fire danger is imminent reliable internet access is vital to the communications of those battling the fires.

In addition to the need increased internet access in this region for public safety; improving into the unserved and underserved areas of Stevens County will increase success in schooling, economic development, medical care, and other needs of everyday life.

The Board of Stevens County Commissioners strongly supports Declaration Networks and offers their full support. Being able to offer a highly regarded and reliable product to areas that previously couldn't obtain it will make Stevens County a much better and safer place.

THE STEVENS COUNTY BOARD OF COMMISSIONERS



Greg Young, District #3



*Northport School District is an innovative school that will.....
Inspire lifelong success by empowering students with knowledge, skills,
and opportunities*

7/26/2021

Northport Schools

District # 211

P.O. Box 1280
404 10th Street
Northport, WA 99157

Fax

509-732-6606

Website

northportschools.org

Don Baribault

Superintendent
509-732-4430 ext. 131

Catherine Hunt

K-12 Principal
509-732-4430 ext. 127

Darelynn Brunette

Business Manager
509-732-4251 ext. 110

Susan LeCaire

Human Resources
509-732-4251 ext. 116

Sara Winter

Secretary
509-732-4430 ext. 162

Erik Stark

Athletic Director
509-732-4430 ext. 128

Tanis Shippy

Guidance Counselor
509-732-4430 ext. 155

Northport Schools
404 10th Street
Northport, WA
99157

July 26, 2021

Bob Nichols, CEO
Declaration Networks (dba NeuBeam)
bob@declarationnetworks.com

Mr. Nichols,

We fully support Declaration Network's broadband fiber to the home expansion project in Stevens County with this application to NTIA's broadband grant program. We understand it will provide additional fiber to residents and communities north of Kettle Falls to Northport. This could positively impact our residents in this very underserved region of the county.

While students in our cities and larger communities along Highway 395 have more choices of access to broadband, the kids living in the rural valleys and locations do not. This leaves them scrambling to finish homework by going to libraries or other public access points. Often students have to travel ten to fifteen miles to have the availability to broadband. If we can improve any infrastructure that enhances or expands their ability to connect, we will improve their education and ability to prepare students for future career opportunities.

The Northport School District is pleased to support this grant application. We are better able to fulfill our mission to "inspire lifelong success by empowering students with knowledge skills, and opportunities" *only if* students can connect to those opportunities, our teachers, and keep up with their homework at home.

Sincerely,

Don Baribault

Northport Superintendent

July 26, 2021

Bob Nichols, CEO
Declaration Networks (dba NeuBeam)
bob@declarationnetworks.com

RE: Declaration Network Support

NEW Health Programs Association (NEW Health) supports this application to NTIA's broadband grant program for Declaration Network's broadband fiber home expansion project in northern Stevens County. Expanding access to additional fiber for residents and communities north of Kettle Falls to Northport will enhance NEW Health's ability to provide health care service to a range of patients in those areas. NEW Health's Northport Clinic serves many patients that travel long distances for healthcare services that they might otherwise be able to participate in via telehealth if they had reliable internet in their homes.

NEW Health has historically struggled with adequate broadband access for its clinics and the clients we serve. With the use of electronic health records (EHR), staff often become frustrated that they cannot utilize to its fullest capabilities. This affects us as an organization, staff who want to work in rural areas, and more importantly, clients who have real health care needs that are not being addressed in a timely and efficient manner. We support any effort that fills the gap in this puzzle and that moves us forward as a rural community.

At NEW Health, we are doing everything we can to help keep our communities safe during COVID-19. NEW Health is offering telehealth visits to patients that are unable to be seen in clinic. Telehealth allows patients to talk with a provider using a telephone, smartphone, computer or tablet. Additionally, telehealth can address many chronic conditions, such as diabetes, asthma, or high blood pressure, women's health issue, or feelings of anxiety and depression. The COVID-19 pandemic shone a spotlight on impact of limited broadband. Patients with limited broadband or no internet access, are unable to access telehealth services in the same capacity as a patient with adequate internet access. The northern part of Stevens County is unable to access telehealth without adequate access to broadband.

Thank you for considering the north part of Stevens County as a highly underserved area for this critical grant funding.



Desiree Sweeney
Chief Executive Officer
DSweeney@newhp.org



**PUBLIC UTILITY DISTRICT NO. 1
OF MASON COUNTY**

N. 21971 Hwy. 101
Shelton, Washington 98584

BOARD OF COMMISSIONERS

MIKE SHEETZ, Commissioner
JACK JANDA, Commissioner
RON GOLD, Commissioner

May 25, 2021

Mason County Board of Commissioners
411 N. 5th Street
Shelton, WA 98584

Re: Letter of Support for HCC's American Rescue Plan Funding Request

Dear Commissioners,

Mason County PUD No. 1 offers our support of Hood Canal Communications' funding request for American Rescue Plan monies. HCC has been a longtime partner of PUD 1 and we often collaborate on planning and construction projects to streamline costs and efforts, which saves our ratepayers money and helps expedite internet, power and water utilities in the rural communities that we both serve.


Even though PUD 1 does not serve broadband, we are often approached by our electric customers on the Hood Canal about being part of the solution for expanding broadband up the canal. We have met with Jefferson PUD and Mason PUD 3 on this subject and intend to work with both of them in the future. However, HCC is the only service provider that is proposing immediate actions to serve our customers up to the Mason/Jefferson County line.

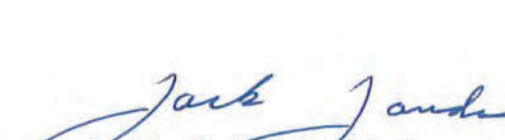
PUD 1 has worked very hard to secure grant funding and build partnerships to upgrade utility services for our customers. Including broadband as a component of our water and electric projects makes good sense for us and our customers. We recognize the benefits for our communities and economic development, that it is critical for our students and teleworkers, and it will eventually help the PUD modernize our power grid without having to incur the future expense to run fiber out to our critical infrastructure. Partnering with our neighboring PUDs and Hood Canal Communications now will ensure that the infrastructure is there for us in the near future.

These American Rescue Plan funds are partially intended to help broadband in rural communities. This proposal will not only do that for the customers from Lilliwaup to Eldon, but it will also position the rest of the Mason County residents and small businesses along Hwy 101 on the Hood Canal to be served even sooner because it will strengthen future applications for CERB funding to run the backbone to the county line. As part of the larger project, nearly 200 poles on PUD 1's distribution line will be replaced, saving our customers approximately \$2 million dollars.

We hope that you will join us in supporting HCC's request and fund these projects for our rural customers.

Sincerely,


Mike Sheetz, President


Jack Janda, Vice President


Ron Gold, Board Secretary



Brinnon School District

46 Schoolhouse Rd.
Brinnon, Washington 98320
(360) 796-4646
www.bsd46.org

July 21, 2021

Mike Oblizalo, Vice President and General Manager
Hood Canal Communications
mikeo@hoodcanal.net

Re: Letter of Support for Broadband Funding

Dear Mr. Oblizalo,

Brinnon School District serves 90 students in prekindergarten – 8th grade. We also host Kaleidoscope Play and Learn, a community family program for families with young children. Approximately 80% percent of our students qualify for free or reduced lunch program. Access to broadband is a critical component of educational services. It is an essential utility like electricity or water. Our students need access to reliable, high speed internet to ensure that they do not fall behind.

Currently south Jefferson County is a broadband desert. This rural area is unserved and unfairly disadvantaged due to lack of internet access. This disparity has been felt especially hard during the pandemic since there is no ability to access telework, remote learning or telehealth in those areas. Residents must go to a local community hub or drive to areas with cell reception to perform basic tasks online.

I would like to extend my support of Hood Canal Communications' (HCC) funding request to close the digital equity gap by building a complete Fiber to the Home (FTTH) network along the Highway 101 corridor from the Mason-Jefferson county line up to Walker Mountain.

HCC is the only entity that has put forward a clear, imminent solution for this section of Jefferson County. I applaud your efforts and wholeheartedly support your request for funding.

Sincerely,

Patricia Beathard
Superintendent
Brinnon School District



Hood Canal School District #404 111 North State Route 106 • Shelton, WA 98584
p (360) 877-5463 • f (360) 877-9123 • www.hoodcanal.wednet.edu

June 30, 2021

Mason County PUD No. 1
Kristin Masteller, General Manager
29171 N. Hwy 101
Shelton, WA 98584

Re: Letter of Support for Mason PUD 1's CERB Funding Request

Dear Ms. Masteller,

Hood Canal School District serves 300 students on the Skokomish Nation Indian Reservation and surrounding areas of the Hood Canal. Eighty-five percent of our students qualify for free or reduced lunch program. Access to broadband is a critical component of educational services. It is an essential utility service like electricity and water. Our students need access to reliable, high speed internet to ensure that they do not fall behind.

The pandemic highlighted the disparities in access to internet service. There are virtually no options for broadband along the northern part of Highway 101 up to Jefferson County. We had to install a wi-fi hotspot so our students without internet access had a place to do their remote learning.

This project that you are working on with Hood Canal Communications to expand the fiber backbone to the very remote parts of our school district is a benefit to our community and closes the inequity gap between our rural school district and the districts closer to Mason County's incorporated city of Shelton.

We applaud your efforts to engage in this public/private partnership to serve your community and we wholeheartedly support your grant request for this project.

Sincerely,

Superintendent Nikki Grubbs
Hood Canal School District No. 404



Skokomish Indian Tribe

Tribal Center (360) 426-4232

N. 80 Tribal Center Road

FAX (360) 877-5943

Skokomish Nation, WA 98584

June 30, 2021

Mason County PUD No. 1
Kristin Masteller, General Manager
29171 N. Hwy 101
Shelton, WA 98584

Re: Letter of Support for Mason PUD 1's CERB Funding Request

Dear Ms. Masteller,

The Skokomish Indian Tribe supports Mason PUD 1's application for CERB funding to expand broadband along Highway 101 and the Hood Canal. This rural area is by definition "underserved", with most residents between Hoodspout and Jefferson County having to use satellite internet as their only option.

The Hood Canal School District is sited on the Skokomish Reservation and serves students up to the Mason/Jefferson County line. These students in rural areas also deserve access to essential utility services so they do not fall behind their counterparts in larger, urban school districts.

The pandemic highlighted the disparities in access to internet service. Broadband is necessary for remote learning and economic development. Many families had to transition to work from home in order to retain their income stability. Those in rural areas that did not have access to high-speed internet were disproportionately disadvantaged.

This project that you are working on with Hood Canal Communications to expand the fiber backbone is a benefit to our community and closes the inequity gap between our rural community and our larger towns in Mason County.

We applaud your efforts to engage in this public/private partnership to serve your community and we wholeheartedly support your grant request for this project.

Sincerely,

Tom Hong, Vice Chair

Charles "Guy" Miller, Chairman
Skokomish Tribal Council



MASON COUNTY
BOARD
OF
COMMISSIONERS

1ST District
RANDY NEATHERLIN

2ND District
KEVIN SHUTTY

3RD District
SHARON TRASK

Mason County Building 1
411 North Fifth Street
Shelton, WA 98584-3400
(360) 427-9670 ext. 419
(360) 275-4467 ext. 419
(360) 482-5269 ext. 419
Fax (360) 427-8437

July 6, 2021

Mason County PUD No. 1
Kristin Masteller, General Manager
29171 N Highway 101
Shelton, WA 98584

Re: Letter of Support for Mason County's PUD No. 1's CERB Funding Request

Dear Ms. Masteller,

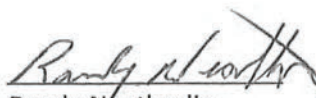
The Board of County Commissioners for Mason County extends our support for Mason County PUD No. 1's CERB grant application for broadband build along Highway 101 on the Hood Canal. District 3 Commissioner, Kevin Shutty, is a member of the Community Broadband Committee and supports your project and outreach.

Lilliwaup, Eldon, and the small communities along the Mason/Jefferson County line are sorely lacking in internet service. Most of those areas are forced to use satellite internet because there simply is no other option. Access to essential utility services, such as broadband, is critical for Mason County's rural areas to be competitive both academically and economically with larger urban towns and cities. We do not want to see our community left behind because there is no access to broadband.

This project will benefit several "small cottage" industry businesses along Highway 101 as well as students enrolled at the rural Hood Canal School located on the Skokomish Indian Reservation. There has been a very active community group advocating for broadband services and this project that you are working on with Hood Canal Communications. Expanding the fiber backbone will meet a critical need for Mason County residents.

In addition to the funding that Mason County has shared with Hood Canal Communications to fund part of Phase One of the project in Eldon, we wholeheartedly support your grant request to the Community Economic Revitalization Board. We applaud your engagement in this public/private partnership with Hood Canal Communications to create digital equality in your community.

Sincerely,


Randy Neatherlin,
Chair


Sharon Trask,
Commissioner


Kevin Shutty,
Commissioner



Greg Brotherton, Commissioner District 3
1820 Jefferson Street
PO Box 1220
Port Townsend, WA 98368

www.co.jefferson.wa.us

July 21, 2021

Mike Oblizalo, Vice President and General Manager
Hood Canal Communications
mikeo@hoodcanal.net

Re: Letter of Support for Broadband Grant

Dear Mr. Oblizalo,

I would like to extend my support of Hood Canal Communications' (HCC) funding request to close the digital equity gap by building a complete Fiber to the Home (FTTH) network along the Highway 101 corridor from the Mason-Jefferson county line up to Mount Walker.

Currently this section of 101 is a broadband desert. This rural area is unserved and unfairly disadvantaged due to lack of internet access. This disparity has been felt especially hard during the pandemic since there is no ability to access telework, remote learning or telehealth in those areas. Residents must go to a local community hub or drive to areas with cell reception to perform basic tasks online.

There is a small elementary and middle school in Brinnon that has been desperately trying to work with PUDs and ISPs to get broadband access for their students and the school itself. We do not want to see our students and our business community left behind because there is no access to broadband.

HCC is the only entity that has put forward a clear, imminent solution for this section of Jefferson County. Thank you for offering a solution for our community.

Sincerely,

Greg Brotherton
Jefferson County Commissioner, District 3



Board of Commissioners:
Jeff Randall, District 1
Kenneth Collins, District 2
Dan Toepper, District 3
Kevin Streett, General Manager

July 21, 2021

Mike Oblizalo, Vice President and General Manager
Hood Canal Communications
mikeo@hoodcanal.net

Re: Letter of Support for WSBO/NTIA Broadband Grant Application

Dear Mr. Oblizalo,

Jefferson County PUD strongly supports Mason PUD 1 and Hood Canal Communications' application for Broadband Infrastructure Program Funding to build fiber in Jefferson County to some of the most under and unserved areas of the Eastern Olympic Peninsula.

Those who live and work along the windy, hilly, heavily forested areas bordering Hwy 101 as it runs along the Hood Canal barely have access to cellular and DSL service. The lack of current infrastructure and access severely limits residents' and business's ability to participate in today's economy and essential services. Extending fiber to this area will greatly improve quality of life and economic development.

Jefferson County PUD has been in regular contact with the Brinnon Community regarding their lack of broadband access. We have added a Wi-Fi hotspot and have spoken frequently with the school district about improving access. We are happy to see Hood Canal Communications step up to make the effort to connect this community. Brinnon and the communities heading south along the Hood Canal need broadband now. We applaud this endeavor by Hood Canal Communications and Mason 1 PUD and have offered our assistance to help with the project in any way we can.

Sincerely,

Kevin Streett,
General Manager

National Telecommunications and Information Administration
1401 Constitution Ave., NW
Washington, DC 20230
Re: NTIA Broadband Infrastructure Grant Program

August 3, 2021

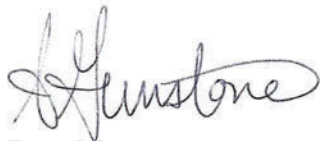
To whom it may concern:

We strongly support Jefferson County PUD's project to build fiber to the communities of Quilcene and Discovery Bay.

Our business uses internet daily and it is an absolute necessity for operations to run smoothly and efficiently. All of our bookkeeping is online, as well as our order communication between our offices and shipping plant. Inconsistent or sometimes nonexistent internet means our business is more prone to errors due to miscommunication, a delay in bookkeeping and invoicing procedures, and is an overall detriment to our small business.

The only wired internet company who currently services our area is CenturyLink. We pay for 3 Mb, which is the only offered option; however, our business only gets around 1.5 Mb at the very fastest. In several of our office spaces, we have to purchase additional internet extenders in order to achieve this speed. Also, we have tried out two satellite internet companies. Satellite internet in our rural area was very expensive, and the internet was incredibly inconsistent; we often had large chunks of time where we did not have an internet connection at all. Moreover, using cellular hot spots is an unreliable, unsustainable way to have our business internet connection, and is another added cost to the business through cellular companies for multiple phones. Building fiber in our community would *greatly* impact our business in a positive way, providing consistent, sustainable internet which we can confidently rely on.

We urge you to fund their project and help them bring fiber to our business and rural community.



Farm Manager

Johnson & Gunstone Shellfish



360.426.2276 office
360.426.2868 fax

310 West Cota Street
Shelton, WA 98584

 ChooseMason.com

June 30, 2021

Mason County PUD No. 1
Kristin Masteller, General Manager
29171 N. Hwy 101
Shelton, WA 98584

Re: Letter of Support for Mason PUD 1's CERB Funding Request

Dear Ms. Masteller,

The Economic Development Council of Mason County offers this letter of support for the CERB grant application to fund your proposal to build out a broadband backbone along Highway 101 on the Hood Canal. If rural communities are going to be competitive both academically and economically, access to essential utility services like broadband are a critical component to their success.

This project benefits several small cottage industry businesses along Highway 101, as well as students enrolled at the rural Hood Canal School, located on the Skokomish Indian Reservation. There has been a very active community group advocating for broadband services and this project that you are working on with Hood Canal Communications to expand the fiber backbone is a benefit to this rural part of Mason County and closes the inequity gap between them and areas like Shelton and Belfair.

We applaud your efforts to engage in this public/private partnership with Hood Canal Communications to solve this problem and serve your community.

Sincerely,

Jennifer Baria
Executive Director



July 21, 2021

Mike Oblizalo, Vice President and General Manager
Hood Canal Communications
mikeo@hoodcanal.net

re: Letter of Support for Broadband funding

Dear Mr. Oblizalo,

I am writing this letter to support Hood Canal Communications' (HCC) funding request to close the digital equity gap by building a complete Fiber to the Home (FTTH) network along the Highway 101 corridor from the Mason-Jefferson county line up to Walker Mountain.

Currently this section of 101 is a broadband desert. This rural area is unserved and unfairly disadvantaged due to lack of internet access. This disparity has been felt especially hard during the pandemic since there is no ability to access telework, remote learning or telehealth in those areas. Residents must go to a local community hub or drive to areas with cell reception to perform basic tasks online. There is a small elementary school in Brinnon that has been desperately trying to work with PUDs and ISPs to get broadband access for their students and the school itself.

HCC is the only entity that has put forward a clear, imminent solution for this section of Jefferson County. We hope the broadband office approves your funding request. Thank you for offering a solution for our community.

Thank you,

Diane L. Coleman
Manager

July 21, 2021

Mike Oblizalo, Vice President and General Manager
Hood Canal Communications
mikeo@hoodcanal.net

Re: Letter of Support for Broadband Funding


Dear Mr. Oblizalo,

I am writing this letter to support Hood Canal Communications' (HCC) funding request to close the digital equity gap by building a complete Fiber to the Home (FTTH) network along the Highway 101 corridor from the Mason-Jefferson county line up to Walker Mountain.

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HCC is the only entity that has put forward a clear, imminent solution for this section of Jefferson County. We hope the broadband office approves your funding request. Thank you for offering a solution for our community.

Sincerely,


Postmaster
Brinnon

July 21, 2021

Mike Oblizalo, Vice President and General Manager
Hood Canal Communications
mikeo@hoodcanal.net

Re: Letter of Support for Broadband Funding

Dear Mr. Oblizalo,

I am writing this letter to support Hood Canal Communications' (HCC) funding request to close the digital equity gap by building a complete Fiber to the Home (FTTH) network along the Highway 101 corridor from the Mason-Jefferson county line up to Walker Mountain.

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HCC is the only entity that has put forward a clear, imminent solution for this section of Jefferson County. We hope the broadband office approves your funding request. Thank you for offering a solution for our community.

Sincerely,

Patricia Ware
Brinnon Fire District

July 21, 2021

Mike Oblizalo, Vice President and General Manager
Hood Canal Communications
mikeo@hoodcanal.net

Re: Letter of Support for Broadband Funding

Dear Mr. Oblizalo,

I am writing this letter to support Hood Canal Communications' (HCC) funding request to close the digital equity gap by building a complete Fiber to the Home (FTTH) network along the Highway 101 corridor from the Mason-Jefferson county line up to Walker Mountain.

Currently this section of 101 is a broadband desert. This rural area is unserved and unfairly disadvantaged due to lack of internet access. This disparity has been felt especially hard during the pandemic since there is no ability to access telework, remote learning or telehealth in those areas. Residents must go to a local community hub or drive to areas with cell reception to perform basic tasks online. There is a small elementary school in Brinnon that has been desperately trying to work with PUDs and ISPs to get broadband access for their students and the school itself.

HCC is the only entity that has put forward a clear, imminent solution for this section of Jefferson County. We hope the broadband office approves your funding request. Thank you for offering a solution for our community.

Sincerely,



SUSAN A. FRESONKE
Brinnon Fire District



June 30, 2021

Russ Elliot
Washington State Broadband Office
Olympia, WA

Re: Partnership with Jefferson County PUD

Dear Mr. Elliot,

On behalf of the Chamber of Jefferson County, I am writing to support the Jefferson County Public Utility District's request to partner with the Washington State Broadband Office on an application for funding from the National Telecommunications and Information Administration (NTIA) Broadband Infrastructure Program Funding Opportunity.

The COVID-19 pandemic has made it clear that access to broadband is essential. In rural, geographically isolated Jefferson County, too many of our citizens lack access to broadband. Jefferson County PUD's proposal to build out a fiber network to the communities of Quilcene, Discovery Bay, and Gardiner will provide broadband access to some of rural East Jefferson County's most under and unserved areas. Jefferson County PUD has already laid the groundwork for this project by leasing access to the Bonneville Power Authority's fiber trunk running from Olympia to Port Angeles. The lease of this fiber secures a second fiber pathway onto and off of the Olympic Peninsula, boosting network resiliency and performance. This fiber also passes through the Quilcene and Discovery Bay areas. Funding from the NTIA grant will allow the PUD to build middle and last mile fiber connections to residents and businesses who currently must pay exorbitant rates for low quality dsl, satellite, or cell phone data if they are able to get any internet at all.

We strongly support Jefferson County PUD's effort to expand access to broadband in our rural communities. We support their project and urge the Washington State Broadband Office to partner with them on an NTIA grant application.

Thank you for your consideration.

Sincerely,

Arlene Alen

Arlene Alen, CPM, IOM
Executive Director

July 2, 2021

Russ Elliot
Washington State Broadband Office
Olympia, WA

Re: Partnership with Jefferson County PUD

Dear Mr. Elliot,

On behalf of the City of Port Townsend, I write to support the Jefferson County Public Utility District's request to partner with the Washington State Broadband Office on an application for funding from the National Telecommunications and Information Administration (NTIA) Broadband Infrastructure Program Funding Opportunity.

We work in very close partnership with the PUD on a number of fronts, most recently embodied in the newly-established Intergovernmental Collaborative Group (ICG), a partnership between the City, PUD, Port of Port Townsend and Jefferson County focused initially on COVID-19 response, recovery and resilience. The pandemic has made it clear that access to broadband is essential and this was a key focus area of the adopted ICG action plan. In rural, geographically isolated Jefferson County, too many of our region's community members lack access to broadband. Jefferson County PUD's proposal to build out a fiber network to the communities of Quilcene, Discovery Bay, and Gardiner will provide broadband access to some of rural East Jefferson County's most under and unserved areas.

Jefferson County PUD has already laid the groundwork for this project by leasing access to the Bonneville Power Authority's fiber trunk running from Olympia to Port Angeles. The lease of this fiber secures a second fiber pathway onto and off of the Olympic Peninsula, boosting network resiliency and performance. This fiber also passes through the Quilcene and Discovery Bay areas. Funding from the NTIA grant will allow the PUD to build middle and last mile fiber connections to residents and businesses who currently must pay exorbitant rates for low quality DSL, satellite, or cell phone data if they are able to get any internet at all.

We strongly support Jefferson County PUD's effort to expand access to broadband in our rural communities. We support their project and urge the Washington State Broadband Office to partner with them on an NTIA grant application.

Thank you for your consideration,

Sincerely,



John Mauro
City Manager





July 5, 2021

Russ Elliot, Director
WA State Broadband Office
1011 Plum St. SE
Olympia, WA 98504-2525

Re: Partnership with Jefferson County PUD

Dear Mr. Elliot,

On behalf of EDC Team Jefferson, I am writing to support the Jefferson County Public Utility District's request to partner with the Washington State Broadband Office on an application for funding from the National Telecommunications and Information Administration (NTIA) Broadband Infrastructure Program Funding Opportunity.

The COVID-19 pandemic has made it clear that access to broadband is essential. In rural, geographically isolated Jefferson County, too many of our citizens lack access to broadband. Jefferson County PUD's proposal to build out a fiber network to the communities of Quilcene, Discovery Bay, and Gardiner will provide broadband access to some of rural East Jefferson County's most under and unserved areas.

Jefferson County PUD has already laid the groundwork for this project by leasing access to the Bonneville Power Authority's fiber trunk running from Olympia to Port Angeles. The lease of this fiber secures a second fiber pathway onto and off of the Olympic Peninsula, boosting network resiliency and performance. This fiber also passes through the Quilcene and Discovery Bay areas. Funding from the NTIA grant will allow the PUD to build middle and last mile fiber connections to residents and businesses who currently must pay exorbitant rates for low-quality DSL, satellite, or cell phone data if they are able to get any internet at all.

We strongly support Jefferson County PUD's effort to expand access to broadband in our rural communities. We support their project and urge the Washington State Broadband Office to partner with them on an NTIA grant application.

Thank you for your consideration.

Sincerely,

A handwritten signature in black ink, appearing to read "Brian Kuh".

Brian Kuh
Executive Director



Interim County Administrator
Mark McCauley
1820 Jefferson Street
PO Box 1220
Port Townsend, WA 98368

July 1, 2021

Russ Elliot
Washington State Broadband Office
Olympia, WA

Re: Partnership with Jefferson County PUD

Dear Mr. Elliot,

On behalf of Jefferson County, I am writing to support the Jefferson County Public Utility District's request to partner with the Washington State Broadband Office on an application for funding from the National Telecommunications and Information Administration (NTIA) Broadband Infrastructure Program Funding Opportunity.

The COVID-19 pandemic has made it clear that access to broadband is essential. In rural, geographically isolated Jefferson County, too many of our citizens lack access to broadband. Jefferson County PUD's proposal to build out a fiber network to the communities of Quilcene, Discovery Bay, and Gardiner will provide broadband access to some of rural East Jefferson County's most under and unserved areas.

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We strongly support Jefferson County PUD's effort to expand access to broadband in our rural communities. We support their project and urge the Washington State Broadband Office to partner with them on an NTIA grant application.

Thank you for your consideration,

Sincerely,

Mark McCauley, Interim County Administrator

Jefferson County



July 6, 2021

Russ Elliot
Washington State Broadband Office
Olympia, WA

Re: Partnership with Jefferson County PUD

Dear Mr. Elliot,

On behalf of **Jefferson Broadband Action Team (JBAT)** I am writing to support the Jefferson County Public Utility District's request to partner with the Washington State Broadband Office on an application for funding from the National Telecommunications and Information Administration (NTIA) Broadband Infrastructure Program Funding Opportunity.

The COVID-19 pandemic has made it clear that access to broadband is essential. In rural, geographically isolated Jefferson County, too many of our citizens lack access to broadband. Jefferson County PUD's proposal to build out a fiber network to the communities of Quilcene, Discovery Bay, and Gardiner will provide broadband access to some of rural East Jefferson County's most under and unserved areas.

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We strongly support Jefferson County PUD's effort to expand access to broadband in our rural communities. We support their project and urge the Washington State Broadband Office to partner with them on an NTIA grant application.

Thank you for your consideration,

Sincerely,

Karen Bennett

Jefferson Broadband Action Team



July 6, 2021

Russ Elliot
Washington State Broadband Office
Olympia, WA

Re: Partnership with Jefferson County PUD

Dear Mr. Elliot,

As Executive Director of Jefferson County Home Builders Association, I am writing to support our local Public Utility District's request to partner with the Washington State Broadband Office on an application for funding from the National Telecommunications and Information Administration (NTIA) Broadband Infrastructure Program.

As the recent pandemic proves, access to broadband is mandatory for healthy, safe communities. Jefferson County PUD's proposal to build out a fiber network to the communities of Quilcene, Discovery Bay, and Gardiner will provide much needed access to underserved families.

As a member of the building community, I am aware of the great work that PUD has done for our local people during the past year. As you know, PUD is leasing access to the Bonneville Power Authority's fiber trunk which will secure a second fiber pathway and increase network performance. Funding from the NTIA grant will allow the PUD to build fiber connections to residents and businesses who currently must pay excessive rates for low quality data access.

The Jefferson County Home Builders Association whole heartedly supports our PUD's efforts to increase access to broadband in our communities. We ask that you support them in this NTIA grant application.

Best Regards,

Lizanne Crines Coker

Executive Director
Jefferson County Home Builders Association
360.821.9688 / JCHBA@live.com

July 31, 2021

Jefferson County PUD
310 Four Corners Rd.
Port Townsend, WA 98368
ATTN: Lori Rae, Broadband Supervisor

To Whom It May Concern,

We are writing to express our enthusiastic support for your effort to secure funding to build a new fiber network in Jefferson County. Prior to moving to this area, we lived in Laurel, Maryland where we enjoyed the multiple benefits of fiber-optic communication services. Our phone, television and internet all were connected to the fiber-optic cable and it was wonderful. Although we do enjoy our retired life here, our past experience makes us very aware of the sacrifices we have been forced to endure in the absence of modern communications.

Here in Quilcene, we have tried internet providers using both satellite dishes and 4G mobile technology. While these are far better than nothing, we are all too familiar with the necessity of "counting our gigabytes" so that we don't "go dark" before our monthly cycle is complete. Data limits in those plans have almost entirely prevented us from using any streaming or on-demand services, making much content unavailable to us. We eagerly anticipate fiber technology that can provide the kind of truly unlimited, high-speed internet service we enjoyed in Maryland.

We know that if you are successful in your effort to bring a fiber network to our doorstep our lives will be improved. It will allow us to communicate more fully with the wider world as well as enable us to receive more educational and recreational content that the broader world has to offer.

We also strongly expect that this will be true for many of our neighbors, as well. Over the past years there have been many discussions with neighbors about the feasibility of various approaches to improve our digital network. The sense of digital disconnection is common in our neighborhood.

Beyond our own immediate concerns for us and our neighborhood, we also support the significant benefits of an improved network to students and those who work from home.

Without question, if fiber arrives, we will be eager customers of its many benefits so we wish you unqualified success in securing sufficient financial resources for a rapid implementation of a new fiber network in Jefferson County.

If there is any other way we can assist you, please don't hesitate to contact us.

Sincerely,



Bob and Elizabeth Bindschadler

(b) (6)

**Budget Justification Narrative: Connecting Rural Counties WSBO Partnership
Broadband Initiative**

The Washington State Broadband Office has put together a project that will serve residents who are currently without qualifying broadband with fast and reliable internet service. The work done in the Connecting Rural Counties project will be completed by Declaration Networks (DNG), the City of Ellensburg, Hood Canal Communications (HCC), Jefferson County Public Utility District (JPUD), and Zply. WSBO’s partners will help households across the state, ensuring the project serves all corners of Washington. The counties connected will be Ferry, Jefferson, Kittitas, Okanogan, and Stevens. The total budget is \$37,274,510. All items in the budget area are allowable and necessary components of building out broadband infrastructure and FTTH projects. The budget funds the costs of construction, improvement, and acquisition of telecommunications equipment required to provide qualifying broadband service, along with allowable costs for carrying out programmatic activities.

Administrative and Legal Expenses - \$1,063,710.00 (Match Amount: \$953,712)

A 2% administrative cost, \$730,872, is being requested by the Washington State Broadband Office. WSBO will be in charge of handling submission, post-submission work, and distributing awarded funds should they be granted. The costs will cover personnel salary for one full time commerce specialist in charge of monitoring funds, status of projects, and reporting. This will also cover a portion of the salary for an administrative assistant, supervisor, and manager. The total amount in salary is \$129,816. Benefits and other services are included in this fee, in the total of \$128,943. Two years of salary and benefits are requested to cover the required reporting timeline after the project period ends. This falls within the allowable closeout costs incurred during the grant closeout process. A salary breakdown is shown below.

Individual	Salary	Covered Amount	Year 1	Year 2
Administrative Assistant	\$47,568	25%	\$11,892	\$11,892
Commerce Specialist 3	\$74,196	100%	\$74,196	\$74,196
Commerce Specialist 5 (supervisor)	\$86,064	25%	\$21,516	\$21,516
WMS Band 2 (manager)	\$111,060	20%	\$22,212	\$22,212

The administrative fee request from WSBO also covers indirect costs assumed by the agency.

In the instance that NTIA is able to award the full requested amount (\$30,000,000), WSBO will be covering the administrative costs for this grant.

If NTIA awards the lesser amount proposed in the narrative (\$10,561,391), WSBO will ask NTIA to cover the administrative costs.

Jefferson PUD has included administrative costs to the grant. This includes work that was done associated with the grant, but prior to being awarded the grant, as well as funds for future work. Funds for prior work do not exceed the guidance limits and are requested from the grant. This includes preliminary engineering, grant preparation, and related expenses directly associated with this project. JPUD will be contributing \$222,840 to the administrative costs. Also included in the administrative fee is the feasibility engineering report that will be reanalyzed by CCG Consulting for the JPUD area.

Land, Structures, Rights-of-way, Appraisals, Etc. - \$374,208.00 (Match Amount: \$68,808)

The budget includes line items for permitting in each county where work will take place. When possible, all work will be done in existing easements and rights-of-way. The work taking place in Jefferson County will also include a shoreline permit due to the proximity of Dabob Bay and Hood Canal. The cost of aerial pole applications is included in this category for Stevens County. Zply, the project partner performing work in Ferry and Okanogan counties, will cover the cost of pole fees in the amount of [REDACTED]. Zply has only included the pole attachment fees associated with construction.

Permitting costs in Jefferson County will go towards extending HCC's franchise agreement with the Washington State Department of Transportation to operate in Hwy 101 rights-of-way. The franchise agreement will need to be extended to cover the new proposed service area.

All permits and application fees necessary are included in the budget.

Architectural and Engineering Fees - \$1,647,385.00 (Match Amount: \$115,000)

All counties have a detailed engineering design fee included in the budget. The engineering design is an essential component of creating and deploying the network infrastructure.

The work for Jefferson County has broken down the engineering and design fee into its multiple components: as built drawings, OSP specs, schematics, engineering project coordination, aerial

field design, buried field design, and electronics design. Also included under Architectural and Engineering is funds to cover costs associated with cultural/tribal/historical reviews. Other partners have listed the engineering fee in a single line item.

In Kittitas County, Northern Open Access Network has provided a design where facilities are placed both underground and overhead methods, in a manner that meets utility pole owners, government, municipality, and public works requirements. The engineering cost covers permitting, utility pole data collection, and any easement or consent work. The quote is based on a per foot basis.

The work done in Stevens County by DNG has accounted for Engineering & Provisioning, along with engineering project management--both contract and non-contract. DNG will be contributing \$115,000 towards these costs.

Project Inspection Fees - \$23,910.00

The work being done in Ferry and Okanogan counties has included a line item for project inspection. This will cover the cost of oversight of on-site work and any necessary inspection from outside parties.

Construction - \$19,727,153.00 (Match Amount: \$976,700)

Construction will be taking place across various parts of Washington state. Project partners will be working in different terrains, with unique conditions. The construction fees for the project will cover the costs of labor for boring, plowing, trenching, lashing, building, splicing, traffic control, and equipment installation and turn-up. Any worker, laborer, or mechanic employed in the performance of any of the work shall be paid not less than the applicable prevailing rate of wage, and often more. Construction costs will also cover the onsite management and observation paid at a per day rate. These cost estimates have been refined to include local rates for labor as well as local soil composition and percentage estimates of aerial vs underground fiber laid. Also included in the budget is the cost of labor for turn-up and installation at customer premises.

Makeready pole work is included in the budget for Declaration Networks and Hood Canal Communications. HCC will work with Mason PUD 1. Mason PUD will be upgrading and replacing poles, providing an in-kind construction contribution of \$139,200. HCC will be contributing \$350,000 to the pole make-ready costs. This will not be an issue for Jefferson PUD as they already own the poles.

DNG will be contributing a match of \$300,000 to the fiber distribution and plowing and installation labor construction costs. They will contribute \$187,500 to the labor costs of installing the customer premises equipment.

There are no costs in the budget for backhaul.

Ziply owns their own dark fiber. They have several POPs including the Westin in Seattle. As of December 31, 2020, the network was comprised of approximately 42,900 total route miles, including 9,400 fiber route miles and 33,500 copper route miles across our four-state region. The system on dark fiber allows Ziply to upgrade capacities as needed and control for full physical path diversity to most hub sites without dependency on third party providers for capacity upgrades or fail-over.

DNG has secured a 10 Gbps optical transport layer -2 ethernet connection from NoaNet at the Colville Fairgrounds colocation facility that leaves NoaNet's network at the US Bank Building in Spokane, Washington. DNG has an existing colocation at the US Bank building where the traffic will traverse our Layer 3 Core Router to an existing 10 Gbps Direct Internet access circuit provided by NoaNet. This Internet circuit reaches the internet peering backbone at the Spokane Internet Exchange.

HCC has two independent fiber connections into the Central Office with geographically diverse paths. Each connection supports a 100 Gigabit self-healing backbone connection. HCC's primary connection travels South through Yelm, WA and onto Tukwila, WA where traffic is sent out to the world. The secondary, 100 Gigabit connection travels North through Wave Broadband's facilities in Port Orchard, WA then on to the Northwest Internet POP in Seattle's Westin Building. The system was designed to easily increase capacity as technology and demands grow.

Jefferson PUD also connects to the Northwest Internet POP in Seattle's Westin building. The PUD owns fiber that connects through NoaNet to Happy Valley and on to Seattle. There is a leased fiber route from the Bonneville Power Authority (BPA) that traverses the eastern edge of the Olympic National Park and Forest and that provides a second redundant path to the Internet through Olympia on to Seattle. The cost of leasing is not included in the budget.

City of Ellensburg is partnering with Central Connect to serve as the ISP for the work in Kittitas County. Central Connect has already established connections to POPs. No backhaul costs are required.

Equipment - \$12,887,904.00 (Match Amount: \$1,238,127)

All the equipment in the budget is necessary for deployment of future-proof broadband to rural areas.

Outside Plant:

The equipment across the project areas will be the same, though some may differ in the use of buried fiber (BF in detailed budget) versus aerial fiber (AD in detailed budget). The budget shows the core components, including fiber optic cable, fiber distribution hubs, vaults, handholes, splice cases, fiber drops, multiport service terminals (MSTs), pedestals, and pole attachment hardware where necessary. Pole attachment hardware includes deadends, guy and anchor, trunnions, and aerial splice cases. All underground fiber will be protected in conduit. Kittitas County will use 288 count fiber and the other areas will have 144 count fiber. These counts were chosen to suit the needs of the area. Single mode fiber is the standard in telecommunications networks. It supports long distance runs and up to 60 km in the Passive Optical Networks (PON). Smaller count distribution fiber is also included in the budget. The fiber selected will support DWDM components (96 waves for 10 Terabits capacity) to provide for any future bandwidth demand.

OLT:

The Optical Line Termination (OLT) is a headend that distributes IP services over optical fiber using the GPON protocol. This is the central office equipment. The GPON/ XG-PON equipment will vary by location. Most will be serviced by Adtran equipment while some in Jefferson County will be served by Calix equipment. They will be housed in proper cabinets (such as the Radium Minibay Active Cabinet and the Adtran Crossover Cabinet). The cabinets are necessary for the protection and peak function of the equipment.

Adtran - The Adtran TA5000 is a flexible and scalable multi-service access and aggregation platform. Each TA5000 can support over 5,000 connections using 32-way splitters and can handle 21 8-port XGS-PON FTTH cards. The XGS-PON cards are capable of 10Gbps. The Multi-Service Access/Aggregation Platform is flexible to support industry standard pluggable modules for all service and network interfaces. Additionally, the Total Access 5004 is supported by the ADTRAN Advanced Operational Environment (AOE). AOE provides a Web GUI management interface and support for XML and TL1 north-bound OSS interfaces.

Calix - The E7-2 AXOS GPON-8 r2 line card provides eight ITU G.984-compliant GPON interfaces, eight Gigabit Ethernet (GE) CSFP ports (four CSFP sockets which also support SFP modules), and four ports of integrated 10-Gigabit Ethernet (two XFP ports, two SFP+ ports). The AXOS network operating system is built specifically for the needs of the access network to accelerate, eliminate service disruptions, and reduce operational complexity for service providers. With integrated network synchronization, hierarchical QoS and support for T1 services, the E7-2 AXOS GPON8 r2 card transport uncompromised mobile broadband traffic

while also supporting triple play residential and MEF certified business services from a single platform.

The work done in Stevens County will receive a new core. This will be necessary to handle new subscribers and traffic. Mikrotik's flagship router, the CCR1072, is powered by a Tilera 72 core CPU, each core is clocked at 1GHz, and to fully utilize this power, the CCR1072 is equipped with eight independently connected 10G SFP+ ports and single Ethernet port for management purposes. The unit comes equipped with installed RouterOS L6, 16GB of built in ECC RAM, touchscreen color LCD, two removable (hotplug) power supplies for redundancy, smart card slot, microUSB, regular size USB, microSD and 2x M.2 slots for additional storage. With a unique 72 core processor and ports that are directly connected to the CPU, CCR1072 is capable of over 120 million packets per second throughput.

The work done in Jefferson County by Hood Canal Communications will receive Cisco Uplink Switches to handle traffic. Fiber uplink connections between switches can help to increase the throughput and response times of applications that place heavier demands on a network. The switch will be necessary to provide the speed to all new customers.

Power supply upgrades will be needed in the areas serviced by Ziplly and Jefferson PUD. These include a battery and emergency generator, along with new racks. These are necessary pieces of equipment that will allow the new expanded infrastructure to function properly.

Splitters and cabinets are field based equipment that will support the GPON network. This equipment is not only cost effective in providing service but is yet another component that allows the system to be future-proof. The distribution hub allows room for growing subscription rates without the need for additional equipment. The budget also includes SFPs. The SFP (Small Form-Factor Pluggable) is a small device that receives optical signals and converts them to electrical signals. This device is able to extend the distance of the signals, ensuring all customers get the access they need.

Those in Kittitas County will be receiving wireless broadband. Two 30' Class 2 poles will each hold 12 radios. The City of Ellensburg anticipates using Ubiquiti LTU radios. The LTU-Rocket radio is a Point-to-MultiPoint (PtMP) 5 GHz Access Point featuring 2+ Mpps processing, proprietary technology that breaks the limitations of 802.11 Wi-Fi technology, and flexible GPS sync for superior performance. Channel width flexibility (10/20/30/40/50 MHz) allows independent TX and RX channel frequency configurations to avoid interference. The radios will be on four arrays each with a horn antenna to direct the radio waves. This equipment set-up is estimated to be \$1,500 per radio, as listed on the budget. Copper wire will be used for the connection and installation of the radios. The city anticipates using Ubiquiti for the subscriber radios, which function as customer premises equipment in the PtMP set-up.

ONT:

The Optical Network Terminal (ONT) is a customer premises equipment (CPE) in charge of delivering the services at the subscriber's home. The ONT optimizes and reorganizes data so it is delivered effectively between the premise and the OLT. The ONT will vary across counties, but all are ideal for our project as they have many configurations and mounting options, and can be remotely configured without subscriber intervention. Zply will be contributing \$1,238,127 in customer connection hardware to the project.

A network diagram with electronic equipment components can be found in attachment “WSBO Covered Partnership_Network Diagrams”. These outline the OLT and ONT equipment that will be used for the fiber projects, as well as the radio project.

Miscellaneous - \$515,930.00 (Match Amount: \$406,245)

The budget for the project includes \$515,930 for miscellaneous items. These items include test equipment, spare parts, tax on certain pieces of equipment, and equipment such as cherry pickers. Cherry pickers are essential pieces of heavy equipment that allow aerial construction to be completed. The acquisition will allow JPUD to perform maintenance and contribute to the sustainability of the infrastructure. The cost of the cherry pickers (\$406,245) will be covered in the match by JPUD.

Contingencies - \$1,034,310.00

Contingencies are included in the budget for engineering fees and project inspection fees. It has been recognized that there are currently professional shortages of workers in most fields relating to broadband infrastructure. The contingencies allow for any overage and higher-than-anticipated fees that may result from this scarcity. There are also contingencies for construction for the same reason--there is a shortage of construction workers trained in laying fiber and building networks. Additionally, the budget includes a contingency for equipment. Slowdowns in supply chains and a shortage of materials means that the costs continue to rise for many components of building this infrastructure. Lastly, a contingency for legal expenses is included in case of unforeseen issues with any of the above.

Notes:

Below is a table of the budget and each partner's budget total and match or contribution amount. Additionally, it highlights in pink the contribution that the Washington State Broadband Office has proposed to make towards two of the projects. These contributions from the state, along with the partners match, has reduced the ask amount submitted to NTIA.

<u>Partner Name</u>	<u>Total Project</u>	<u>Partner/In Kind Match</u>	<u>State match proposed</u>	<u>NTIA Request</u>
WSBO	\$730,872	\$730,872		
DNG	\$6,025,000	\$602,500		\$5,422,500
Ellensburg	\$437,573			\$437,573
Ziply	\$5,267,345	\$1,306,935		\$3,960,410
Jefferson PUD	\$12,191,477	\$629,085	\$1,448,224	\$10,114,168
HCC/Mason PUD No.1	\$12,622,243	\$489,200	\$2,067,694	\$10,065,349
		\$ 3,758,592	\$3,515,918	\$30,000,000
			Total	\$ 37,274,510

**Connecting Rural Counties: WSBO Partnership Broadband Initiative
Detailed Budget Justification**

To be printed landscape on 8.5" x 11" paper

TOTAL BUDGET \$ 37,274,510

<u>Applicant</u>	<u>Total Project</u>	<u>Private/In Kind Match</u>	<u>State match proposed</u>	<u>NTIA Request</u>
1. WSBO	\$730,872		\$730,872	
2. DNG	\$6,025,000	\$602,500		\$5,422,500
3. Ellensburg	\$437,573			\$437,573
4. Ziply	\$5,267,345	\$1,306,935		\$3,960,410
5. Jefferson PUD	\$12,191,477	\$629,085	\$1,448,224	\$10,114,168
6. HCC/Mason PUD No.1	\$12,622,243	\$489,200	\$2,067,694	\$10,065,349
		\$ 3,027,720	\$4,246,790	\$30,000,000

Total \$ 37,274,510

Washington State Broadband Office: NTIA Broadband Infrastructure Grant Program

Line Item	Price	Qty	Total	Federal	Match	Cost Classification
Grant Administration (2%)	\$730,872.00	1	\$730,872.00		\$730,872.00	Administrative & Legal Expenses

City of Ellensburg: NTIA Broadband Infrastructure Grant Program

Line Item	Price	Qty	Total	Federal	Cost Classification
BHP Hand trenching	\$15.13	10	\$151.30	\$151.30	Construction
BDB Directional Bore up to a 2" hole	\$25.63	200	\$5,126.00	\$5,126.00	Construction
BVM Handhole Placement, small	\$395.00	2	\$790.00	\$790.00	Construction
APS Place Strand & Overhead Guys	\$2.45	30000	\$73,500.00	\$73,500.00	Construction
ALS Lash Fiber Optic Cable	\$1.75	30000	\$52,500.00	\$52,500.00	Construction
ARR Place New Riser up to 4"	\$185.00	2	\$370.00	\$370.00	Construction
SCC Placement of New Fiber Optic Closure	\$595.00	20	\$11,900.00	\$11,900.00	Construction
SPF 3 Splice and Test Fiber, 49 and above	\$50.00	576	\$28,800.00	\$28,800.00	Construction
SPR Ring Cut or Mid-Entry Prep	\$385.00	20	\$7,700.00	\$7,700.00	Construction
CABCL Charles Cell Site Cabinet	\$1,000.00	2	\$2,000.00	\$2,000.00	Construction
Traffic Control Crew per hour	\$150.00	200	\$30,000.00	\$30,000.00	Construction
Utility Pole Data Collection & Application 11 to 100 poles	\$100.00	100	\$10,000.00	\$10,000.00	Architectural & Engineering Fees
Field, Engineer, Design, CAD 5001 ft-	\$0.75	30000	\$22,500.00	\$22,500.00	Architectural & Engineering Fees
Coyote Fiber Splice Closure 8.5"x 22"- Part number (80805259)	\$820.00	20	\$16,400.00	\$16,400.00	Equipment

Coyote Closure Splice Tray Kits, MISC Trays & Hardware.	\$500.00	20	\$10,000.00	\$10,000.00	Equipment
HandHole, Small 17 x 30 x 24(Channell Bulk 3)	\$465.75	2	\$931.50	\$931.50	Equipment
Radios	\$1,500.00	24	\$36,000.00	\$36,000.00	Equipment
Routers and Switches	\$2,000.00	2	\$4,000.00	\$4,000.00	Equipment
Fiber Patch Panel	\$480.00	4	\$1,920.00	\$1,920.00	Equipment
30' Class 2 Pole	\$3,000.00	2	\$6,000.00	\$6,000.00	Equipment
Copper Cabling	\$2,000.00	1	\$2,000.00	\$2,000.00	Equipment
Fiber Cabinet	\$1,500.00	2	\$3,000.00	\$3,000.00	Equipment
Aerial Hardware.					
Materials	\$0.35	30,000	\$10,500.00	\$10,500.00	Equipment
Underground Conduit	\$0.50	1000	\$500.00	\$500.00	Equipment
Subscriber Radio	\$210.00	30	\$6,300.00	\$6,300.00	Equipment
288 Count Fiber	\$2.00	30000	\$60,000.00	\$60,000.00	Equipment
Washington State Sales Tax	8.60%		34,684.44	\$34,684.44	Miscellaneous

TOTAL \$437,573.24 \$437,573.24

Declaration Networks: NTIA Broadband Infrastructure Grant Program

Line Item	Price	Qty	Total	Federal	Match	Cost Classification
ADTRAN Cross Over Cabinet Bundle	\$25,820.25	4	\$103,281.00	\$103,281.00		Equipment
ADTRAN TA5004 Additional 8 port ADTRAN GPON Cards	included \$9,540.00	4 2		\$19,080.00		Equipment
Lineage Rectifier and Battery String 100 Ah	included	4				Equipment
Mikrotik Uplink router	\$2,926.00	1	\$2,926.00	\$2,926.00		Equipment
Install Turn-up & Testing of Electronics	\$4,770	4	\$19,080.00	\$19,080.00		Construction
OFS Feeder						
Fiber/Distribution fiber and Conduit						
Two-inch HDPE and 144 CT Armored	\$2.76	510,000	\$1,405,560.00	\$1,305,560.00	\$100,000.00	Construction
Plow in Conduit and F	\$4.24	90,000	\$381,600.00	\$181,600.00	\$200,000.00	Construction
Directional Bore Road						
Crossing	\$16.96	6,000	\$101,760.00	\$101,760.00		Construction
Hand Holes UG plant	\$79.50	250	\$19,875.00	\$19,875.00		Equipment
Splice Cases (Aerial/U	\$381.60	600	\$228,960.00	\$228,960.00		Equipment
Aerial Fiber Labor	\$4.51	414,000	\$1,865,070.00	\$1,865,070.00		Equipment
Large Vaults @ Cabine	\$3,816.00	4	\$15,264.00	\$15,264.00		Equipment
AC Power Feed	\$954.00	4	\$3,816.00	\$3,816.00		Equipment
Misc. Aerial Material	\$19.08	1,400	\$26,712.00	\$26,712.00		Equipment
Aerial Strand	\$0.13	414,000	\$52,661.00	\$52,661.00		Equipment
Labor Large cabinet/va	\$2,968.00	4	\$11,872.00	\$11,872.00		Construction
Labor to Set Vaults						
Handholes	\$47.70	250	\$11,925.00	\$11,925.00		Construction
Splicing Fiber Optic C	\$12.72	5,120	\$65,126.40	\$65,126.40		Construction
Standard Vault	\$291.50	150	\$43,725.00	\$43,725.00		Equipment

Hood Canal Communications: NTIA Broadband Infrastructure Grant Program
Detailed Budget Justification

Line Item	Price	Qty	Total	Federal	Match	Cost Classification
Radium Minibay Active Cabinet	\$25,000.00	2	\$50,000.00	\$50,000.00		Equipment
Adtran TA5000	\$20,000.00	1	\$20,000.00	\$20,000.00		Equipment
Adtran XGSPon Cards	\$12,500.00	6	\$75,000.00	\$75,000.00		Equipment
Adtran ETOS Uplink Card	\$20,000.00	1	\$20,000.00	\$20,000.00		Equipment
Cisco Uplink Switches - Bundle	\$60,000.00	1	\$60,000.00	\$60,000.00		Equipment
Install of Minibay Electronics	\$80.00	80	\$6,400.00	\$6,400.00		Construction
Pon Cabinet (Splitter Cabinet)	\$10,000.00	6	\$60,000.00	\$60,000.00		Equipment
Splitters (1x32)	\$1,300.00	27	\$35,100.00	\$35,100.00		Equipment
Install Turn-up & Testing of Electronics	\$1,000.00	6	\$6,000.00	\$6,000.00		Construction
OFS Feeder Fiber and Conduit	\$4.00	115,000	\$460,000.00	\$460,000.00		Equipment
Plow in Conduit and Fiber	\$22.00	115,000	\$2,530,000.00	\$2,530,000.00		Construction
Underground Distribution Fiber	\$1.80	100,500	\$180,900.00	\$180,900.00		Equipment
Jet In Underground Fiber	\$2.00	100,500	\$201,000.00	\$201,000.00		Construction
Aerial Distribution Fiber and Hardware	\$2.00	244,200	\$488,400.00	\$488,400.00		Equipment
Aerial Distribution Fiber Labor	\$7.00	244,200	\$1,709,400.00	\$1,709,400.00		Construction
Aerial Feeder Fiber and Hardware	\$2.00	71,544	\$143,088.00	\$143,088.00		Equipment

Aerial Feeder Fiber Labor	\$5.00	71,544	\$357,720.00	\$357,720.00		Construction
Aerial Middle Mile Fiber and Hardware	\$2.00	168,900	\$337,800.00	\$337,800.00		Equipment
Aerial Middle Mile Labor	\$7.00	168,900	\$1,182,300.00	\$1,182,300.00		Construction
Quazite Vaults BHF Labor to Set Quazite Vaults	\$390.00	365	\$142,350.00	\$142,350.00		Equipment
Splicing Fiber Optic Cable HO1	\$80.00	3,508	\$280,640.00	\$280,640.00		Construction
Tyco 450 Splice Case HBFO	\$350.00	115	\$40,250.00	\$40,250.00		Equipment
3M Fiber Dome Terminals BM51	\$600.00	310	\$186,000.00	\$186,000.00		Equipment
Labor to Install Dome Terminals	\$575.00	310	\$178,250.00	\$178,250.00		Construction
Outside Plant Inspector	\$40.00	4,260	\$170,400.00	\$170,400.00		Equipment
Drop Conduit to Home	\$375.00	431	\$161,625.00	\$161,625.00		Construction
3M Fiber Drops	\$200.00	862	\$172,400.00	\$172,400.00		Equipment
Install Fiber Drops	\$475.00	862	\$409,450.00	\$409,450.00		Construction
Indoor ONT	\$260.00	862	\$224,120.00	\$224,120.00		Equipment
Indoor Battery for ONT	\$60.00	862	\$51,720.00	\$51,720.00		Equipment
Router (cpe)	\$105.00	862	\$90,510.00	\$90,510.00		Equipment
Misc Install Material	\$85.00	862	\$73,270.00	\$73,270.00		Construction

Labor to install 331 homes	\$100.00	862	\$86,200.00	\$86,200.00	\$86,200.00	Construction
Permitting and Engineering	\$1,000.00	68	\$68,000.00	\$68,000.00	\$68,000.00	Land/Structures/Right-of-ways/Appraisals etc
Aerial Pole Replacement (Make Ready)	\$6,990.00	300	\$2,097,000.00	\$1,747,000.00	\$350,000.00	Construction
Aerial Pole Engineering (Make Ready)	464.00	300	139,200.00	\$0.00	\$139,200.00	Construction

TOTAL \$12,622,243.00 \$12,133,043.00 \$489,200.00

Jefferson PUD: NTLA Broadband Infrastructure Grant Program

Line Item	Price	Qty	Total	Federal	Match	Cost Classification
Feasibility Engineering	\$60,000.00	1	\$60,000.00	\$60,000.00		Administrative & Legal Expenses
Grant Preparation	\$50,000.00	1	\$50,000.00	\$50,000.00		Administrative & Legal Expenses
Electrical Upgrade	\$15,000.00	2	\$30,000.00	\$30,000.00		Land/Structures/Right-of-ways/Appraisals etc
-48 VDC W/ Battery Back-up, Inverter Equipment	\$28,250.00	2	\$56,500.00	\$56,500.00		Land/Structures/Right-of-ways/Appraisals etc
GMT CB Panel 10-20 Amp Position with A&B Feeds	\$1,175.00	2	\$2,350.00	\$2,350.00		Land/Structures/Right-of-ways/Appraisals etc
Racks	\$975.00	2	\$1,950.00	\$1,950.00		Land/Structures/Right-of-ways/Appraisals etc
Emergency Generator	\$15,500.00	2	\$31,000.00	\$31,000.00		Land/Structures/Right-of-ways/Appraisals etc
Fiber Entrance	\$20,853.00	2	\$41,706.00	\$41,706.00		Land/Structures/Right-of-ways/Appraisals etc
Permitting	\$42,250.00	1	\$42,250.00	\$42,250.00		Land/Structures/Right-of-ways/Appraisals etc
Shoreline Permit	\$21,150.00	1	\$21,150.00	\$21,150.00		Land/Structures/Right-of-ways/Appraisals etc
Cultural / Tribal Review	\$85,500.00	1	\$85,500.00	\$85,500.00		Architectural & Engineering Fees
Project Coordination	\$72,000.00	1	\$72,000.00	\$72,000.00		Architectural & Engineering Fees
Electronics Design	\$48,250.00	1	\$48,250.00	\$48,250.00		Architectural & Engineering Fees
Field Design - Aerial	\$181,200.00	1	\$181,200.00	\$181,200.00		Architectural & Engineering Fees

Field Design - Buried	\$177,600.00	1	\$177,600.00	\$177,600.00	Architectural & Engineering Fees
Drawings & Schematics	\$87,500.00	1	\$87,500.00	\$87,500.00	Architectural & Engineering Fees
OSP Plans and Specs	\$30,750.00	1	\$30,750.00	\$30,750.00	Architectural & Engineering Fees
As Built Drawings	\$46,125.00	1	\$46,125.00	\$46,125.00	Architectural & Engineering Fees
Final Documents	\$16,500.00	1	\$16,500.00	\$16,500.00	Architectural & Engineering Fees
Construction Management & Observation / Day	\$2,620.50	170	\$445,485.00	\$445,485.00	Construction
Fiber Construction - Quilcene					
Bore	\$29.68	3,000	\$89,025.00	\$89,025.00	Construction
Plow	\$4.68	55,000	\$257,125.00	\$257,125.00	Construction
Trench	\$13.23	85,000	\$1,124,125.00	\$1,124,125.00	Construction
Overlash	\$1.40	70,000	\$98,000.00	\$98,000.00	Construction
New Aerial Build	\$3.39	260,000	\$880,750.00	\$880,750.00	Construction
Traffic Control	\$180.00	1,936	\$348,480.00	\$348,480.00	Construction
MSTs	\$812.50	226	\$183,625.00	\$183,625.00	Construction
Splitter Cabinets	\$5,687.67	3	\$17,063.00	\$17,063.00	Equipment
Route Core Node	\$11,000.00	1	\$11,000.00	\$11,000.00	Equipment
Splice Cases	\$1,078.25	120	\$129,390.00	\$129,390.00	Equipment
Handhole	\$1,056.25	40	\$42,250.00	\$42,250.00	Equipment
Splice	\$30.00	226	\$6,780.00	\$6,780.00	Construction
Cable 48F	\$0.66	300,000	\$198,750.00	\$198,750.00	Equipment
Cable 96F	\$0.90	35,000	\$31,500.00	\$31,500.00	Equipment
Cable 144F	\$1.55	70,000	\$108,500.00	\$108,500.00	Equipment
Handhole	\$1,806.25	68	\$122,825.00	\$122,825.00	Equipment
Splice Cases	\$1,078.26	27	\$29,113.00	\$29,113.00	Equipment
Splice	\$30.00	1,712	\$51,360.00	\$51,360.00	Construction
Fiber Construction - Discovery Bay					
				\$0.00	

BFO12I	\$1.15	35,071	\$40,331.00	\$40,331.00	Equipment
BFO24I	\$1.25	8,440	\$10,550.00	\$10,550.00	Equipment
BFO48I	\$1.35	10,370	\$14,000.00	\$14,000.00	Equipment
BFO96I	\$1.70	26,162	\$44,476.00	\$44,476.00	Equipment
BFO144I	\$2.15	4,431	\$9,527.00	\$9,527.00	Equipment
BFO288I	\$3.00	9,393	\$28,179.00	\$28,179.00	Equipment
BFOC	\$11.21	92,062	\$1,031,792.00	\$1,031,792.00	Equipment
BM53	\$63.50	80	\$5,080.00	\$5,080.00	Equipment
HAND HOLE	\$2,612.50	96	\$250,800.00	\$250,800.00	Equipment
ROCK ADDER	\$32.50	2,473	\$80,373.00	\$80,373.00	Construction
BM72/BM73	\$42.70	824	\$35,185.00	\$35,185.00	Equipment
ADSS12	\$1.84	31,079	\$57,185.00	\$57,185.00	Equipment
ADSS24	\$1.06	67,603	\$71,822.00	\$71,822.00	Equipment
ADSS48	\$2.06	25,101	\$51,708.00	\$51,708.00	Equipment
ADSS96	\$2.69	51,815	\$139,383.00	\$139,383.00	Equipment
ADSS144	\$4.04	18,718	\$75,620.00	\$75,620.00	Equipment
ADSS288	\$6.42	113,514	\$728,845.00	\$728,845.00	Equipment
Double Trunnion	\$144.50	347	\$50,142.00	\$50,142.00	Equipment
Single Trunnion	\$89.00	347	\$30,883.00	\$30,883.00	Equipment
Form Wire Double End	\$110.00	104	\$11,440.00	\$11,440.00	Equipment
Aerial Splice Locations	\$867.51	170	\$147,476.00	\$147,476.00	Construction
Dip Pole Sing Deadend	\$98.00	69	\$6,762.00	\$6,762.00	Equipment
Guy & Anchor	\$190.00	104	\$19,760.00	\$19,760.00	Equipment
Other Hardware	\$115.00	76	\$8,740.00	\$8,740.00	Equipment
Replace Poles	\$2,760.00	21	\$57,960.00	\$57,960.00	Construction
Aerial Drop	\$709.00	705	\$499,845.00	\$499,845.00	Construction
Buried Drop	\$1,804.00	303	\$546,612.00	\$546,612.00	Construction
E7-2 Field Install Package, Shelf Blank Card and Field Inst. Kit	\$646.75	3	\$1,940.25	\$1,940.25	Equipment

E7-2 GPON 8 Card W/ 8- GPON OIM, 4-GE SFP, 2-10GE SFP+	\$8,446.75	4	\$33,787.00	\$33,787.00	Equipment
GPON - OIM, 2.4/1.2G, Class B+ W/ FEC	\$358.00	20	\$7,160.00	\$7,160.00	Equipment
10GE SFP + Single- Mode dual Fiber Transceiver, 10km, LC,	\$895.00	4	\$3,580.00	\$3,580.00	Equipment
AXOS Access Framework - annual term licience per 500	\$2,015.50	2	\$4,031.00	\$4,031.00	Equipment
AXOS Agregation Framework annual term licience	\$0.32	598	\$191.35	\$191.35	Equipment
Equipment Installation and Turn-up	\$4,000.00	2	\$8,000.00	\$8,000.00	Construction
Clearfield Cabinet PON Frame	\$3,770.00	2	\$7,540.00	\$7,540.00	Equipment
Clearfield Patch & Splice Cassettes SC/APC	\$164.00	264	\$43,296.00	\$43,296.00	Equipment
Clearfield 1x32 Splitter Cassetts for FxHD's Frame	\$650.00	12	\$7,800.00	\$7,800.00	Equipment
Patchcord, Fiber SC/APC to SC/U/PC, Simplex SM - 7M Installation	\$11.75	3168	\$37,224.00	\$37,224.00	Equipment
ONT - 4GE, 2POTS Power Cord	\$3,000.00	2	\$6,000.00	\$6,000.00	Construction
	\$304.19	1008	\$306,623.52	\$306,623.52	Equipment
	\$17.00	1008	\$17,136.00	\$17,136.00	Equipment

Zply: NTIA Broadband Infrastructure Grant Program

Line Item	Price	Qty	Total	Federal	Match	Cost Classification
Pole Attachment Fees	█	█	█		█	Land/Structures/Right-of-ways/Appraisals etc
Engineering & Architectural Design	█	█	█	█		Architectural & Engineering Fees
Project Inspection	█	█	█	█		Project Inspection Fees
Distribution	█	█	█	█		Construction
Central Office						
Installation	█	█	█	█		Construction
Distribution	█	█	█	█		Equipment
Central Office Equipment	█	█	█	█		Equipment
Customer Connections	█	█	█	█	█	Equipment

TOTAL

\$5,267,345.00 \$3,960,410.00 \$1,306,935



STATE OF WASHINGTON
DEPARTMENT OF COMMERCE

1011 Plum Street SE • PO Box 42525 • Olympia, Washington 98504-2525 • 360-725-4000
www.commerce.wa.gov

August 10, 2021

Broadband Infrastructure Program
National Telecommunications and Information Administration (NTIA)
U.S. Department of Commerce

Colleagues,

Please accept this letter of commitment from the Washington State Broadband Office (WSBO) in our capacity as the lead applicant for the NTIA Broadband Infrastructure Program on behalf of a covered partnership between the State of Washington and the following entities:

- City of Ellensburg
- Declaration Networks Group, Inc.
- Hood Canal Communications
- Jefferson County Public Utility District
- Zply Fiber

Our total grant request from NTIA is \$30 million, with state matching funds of \$4,246,790 committed to this award amount. If NTIA is unable to award the full \$30 million to Washington, we respectfully request an alternative \$10.562 million for these same projects above. Should \$10.562 million be awarded, Washington is prepared to consider increasing our match accordingly up to \$23.7 million because these are high priority projects for our State.

When selecting projects for this application, the WSBO conducted a request for project information (RFI) and received responsive projects from around Washington State exceeding \$130 million in requested grant funds. The WSBO selected projects for our partnership based on the responsiveness to NTIA criteria and consistency with the State's broadband priorities.

If our application for NTIA funds is successful, the WSBO will enter into the grant agreement with NTIA and assume primary operational and financial responsibility for ensuring project completion. Should a grant award be received, the WSBO will ensure the sub-recipients comply with all terms and conditions of the grant.

Sincerely,

Russ Elliott, Director
Washington State Broadband Office
Department of Commerce



National Telecommunications and Information Administration
1401 Constitution Ave., NW
Washington, DC 20230
Re: NTIA Broadband Infrastructure Grant Program

July 30, 2021

To whom it may concern:

The Covid-19 pandemic has made clear the importance of broadband in rural America. Declaration Networks Group (DNG) is committed to rectifying this digital inequity by building fiber to the home in Stevens County, Washington. During the pandemic, vast numbers of individuals in Stevens County had insufficient or no internet access to engage in remote work. The economy of the region floundered. Without broadband infrastructure, rural areas in Stevens County will continue to face the adverse effects caused by the pandemic.

DNG's Stevens County broadband deployment project will bring high-quality broadband connection to households in the towns of Northport, North Kettle Falls, and Marcus. It will also serve the unincorporated communities of Deep Lake, Bossburg, Ryan, Marble, and Evans. Barriers to broadband in our area include sparse populations, rugged terrain, distance from cities, and economic disparities. DNG is seeking funding through the NTIA program to cross these barriers and bring broadband infrastructure to this area.

DNG confirms our commitment to participating with the Washington State Broadband Office's (WSBO) application in the covered partnership for funding through National Telecommunications and Information Administration (NTIA).

Thank you for your consideration,

Robert Nichols

Bob Nichols

CEO

Declaration Networks Group, Inc



CITY OF ELLENSBURG

Telecom Utility

501 N. Anderson St.; Ellensburg, WA 98926

Ph: (509) 925-8647 Fax: (509) 925-8662

Date: 8/5/2021

To: Washington State Broadband Office

From: Ben Faubion, IT & Telecom Manager, 509-925-8612, faubionb@ci.ellensburg.wa.us

Re: RFI in Response to the NTIA Broadband Infrastructure Program Funding Opportunity

Project Title: City of Ellensburg Fiber Extension and Fixed Wireless Broadband

Project Description: The City of Ellensburg has a need to connect two wells to its existing fiber network. The wells are located approximately 5 miles Northwest of Ellensburg City limits in rural Kittitas County. Both wells are located in census blocks that have no providers reporting fixed broadband services at 25/3 Mbps on FCC Form 477. This project would connect rural homes and farms to fiber broadband along the 5-mile route. Also, 30-foot communication poles would be set at each well location to provide fixed wireless broadband service to additional unserved census blocks within the county. To provide middle mile service, a high fiber count will be installed, providing the ability to deliver fiber services to other unserved areas within the County. If the City is awarded the contract, it will contract with a local ISP that will, in turn, provide service in the County over our open access fiber network.

Project Cost: \$353,285

Other State or Federal Funding: None

Project Timeline: Project will begin immediately after grant award around October 2021 and would finish around July 2022.

Project Partner: Central Connect LLC

Agreement: The City of Ellensburg Telecom Utilities intent is to be included in the covered partnership lead by the Washington State Broadband Office for the NTIA Broadband Infrastructure Program Funding Opportunity. If awarded City Council authorization would be required to accept the grant and proceed with the intended project as described.

Sincerely,

Signature: 

Name & Title: Ben Faubion
IT & T Manager



July 30, 2021

Washington State Broadband Office
P.O. Box 42525
Olympia, WA 98504-2525

Dear Mr. Elliot,

Hood Canal Telephone Co., Inc. (HCC) was thrilled to hear that the Washington State Broadband Office has selected HCC's Northern Hood Canal Fiber Extension Project to Brinnon, WA, in the amount of \$12,133,043.

HCC was founded over 85 years ago and currently has over 7,000 broadband subscribers, 3,100 cable TV subscribers, and approximately 3,700 phone subscribers. HCC's primary business and main focus is deploying broadband. We have been constructing and operating robust broadband networks in rural settings for over 25 years. HCC has an experienced management team that specializes in all things broadband. Customer service staff is available six days a week, and an after-hours answering service is available 24 hours a day, 7 days a week (including holidays). The business has two offices in Mason County, Washington.

HCC will commit its staff and additional financial resources to the Northern Hood Canal Fiber Extension Project. HCC is proud to be partnering with Mason PUD No. 1 on this project. HCC is dedicated to constructing the FTTH build, ensuring its completion in a timely manner, and working within the budget to provide all residents in the project area access to 1 gig broadband internet. Broadband access is a dire need in this community.

Hood Canal Telephone Co., Inc. Brief Scope of Work:

Engineering, identifying make readies, order materials, and permitting will be the primary focus upon award of contract. Final engineering will take approximately 30 days to complete and an additional 3 weeks for permitting is planned. Pole make readies in partnership with Mason PUD No. 1 will be initiated. Upon successfully completing the permitting process, underground and middle mile construction will begin. Aerial fiber is estimated to take approximately 4 months to complete. Underground construction would be taking place in other areas of the project. Including installation of two Adtran electronic sites and passive cabinet locations. Fiber splicing will start as soon as small sections are ready for active turn up. This will allow HCC to begin connecting customers as soon as smaller project sections are complete. The project will bring broadband access to 862 households and business in Jefferson County, Washington.



In the past, HCC has partnered with the USDA's Rural Utility Service on several project builds. Our entity has complied with the applicable laws, regulations, and other grant terms for these projects. This includes annual project performance activity reports and independent audit reports. HCC anticipates similar requirements for the Northern Hood Canal Fiber Extension Project and is prepared to meet these requirements.

Sincerely,

A handwritten signature in blue ink that reads "Mike Oblizalo". The signature is fluid and cursive, with the first letters of "Mike" and "Oblizalo" being capitalized and prominent.

Mike Oblizalo
Vice President and General Manager
Hood Canal Communications



Board of Commissioners:
Jeff Randall, District 1
Kenneth Collins, District 2
Dan Toepper, District 3
Kevin Streett, General Manager

National Telecommunications and Information Administration
1401 Constitution Ave., NW
Washington, DC 20230
Re: NTIA Broadband Infrastructure Grant Program

7/28/21

To whom it may concern:

The COVID-19 pandemic has made it clear that access to broadband is essential. But in rural, geographically isolated Jefferson County, broadband internet is only available in a handful of areas. As the first step in a plan to increase broadband access to all under and unserved residents in Eastern Jefferson County, Jefferson PUD is proposing to build out a fiber network to the communities of Quilcene, Discovery Bay, and Gardiner.

Jefferson County PUD has already laid the groundwork for this project by leasing access to the Bonneville Power Authority's fiber trunk line running from Olympia to Port Angeles along the eastern flank of the Olympic National Park and Forest. The lease of this fiber secures a second fiber pathway onto and off the Olympic Peninsula, boosting network resiliency and performance. Funding from the NTIA grant will allow the PUD to build middle and last mile fiber connections to the residents and businesses along the BPA fiber route and within the PUD's existing electrical service territory.

We are committed to partnering with Washington State Broadband Office on this \$12.6M project to serve over 1,600 of our rural homes and businesses with over 160 miles of fiber optic cable, so they too can take part in the benefits of reliable, affordable and essential high speed broadband internet.

Sincerely,

Kevin Streett, General Manager
Jefferson County PUD

135 Lake Street South, Suite 155
Kirkland, WA 98033
Jessica Epley
M. (503) 431-0458
jessica.epley@ziply.com



July 27, 2021

Russ Elliott
Washington State Broadband Office
1011 Plum Street SE
Olympia, WA 98504

Re: ZiPLY Fiber Letter of Commitment – Connecting Rural Washington Project

Dear Mr. Elliott:

ZiPLY Fiber is pleased to submit a project proposal as part of the State of Washington covered partnerships response to the US Department of Commerce NTIA Broadband Infrastructure Program funding announcement, CDFA 11.031. ZiPLY Fiber proposes to serve five communities located in Central Washington – Brewster, Curlew, Danville, Loomis and Tonasket. ZiPLY Fiber has vetted these communities based on its known infrastructure capacity; the FCC 477 data reporting layers available; the recently released National Telecommunications and Information Administration (“NTIA”) broadband availability map; and the BroadbandNow maps. The project will provide deployment of a fixed broadband service in one of the State of Washington’s targeted eligible service areas. The proposed service areas selected meet the eligibility criteria and can be constructed within the one-year timeframe required by the NTIA Notice of Funding Opportunity (NOFO). ZiPLY Fiber construction cost for the proposed fiber to the premise network is \$5,280,544. ZiPLY Fiber is requesting \$3,960,409 and pledges twenty five percent (25%), \$1,320,136, in cash match for the proposed project to construct the Rural Washington fiber network serving Brewster, Curlew, Danville, Loomis and Tonasket, Washington.

ZiPLY Fiber currently serves the proposed service area, which will facilitate rapid deployment of a new fiber optic infrastructure. The existing telecommunications infrastructure is comprised of copper lines, both aerial and buried. ZiPLY Fiber will construct a fiber optic network capable of serving each premise within the proposed service areas synchronously with 1 Gigabit per second with latency at or less than 80 milliseconds. The ZiPLY Fiber construction proposal will not require significant environmental review since the fiber build will occupy the same poles and conduits currently used. Replacement of existing low-capacity copper cable with high-capacity fiber optic lines will provide an efficient, cost effective, resilient and future proof communications

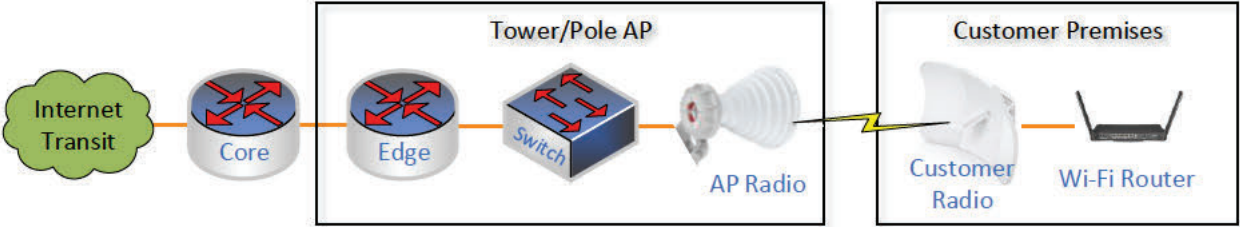
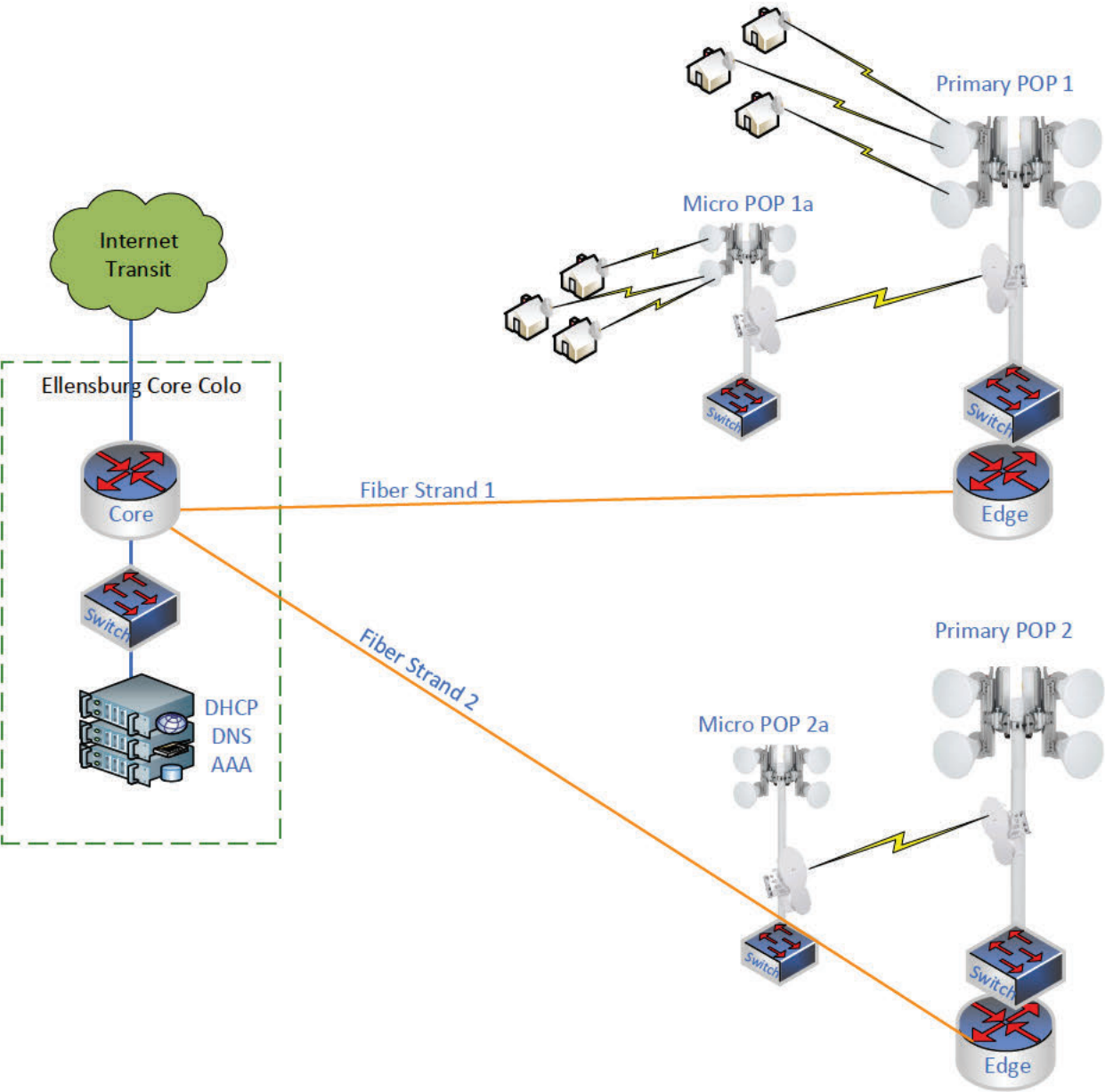
network in the rural communities of Brewster, Curlew, Danville, Loomis and Tonasket, Washington.

We look forward to this opportunity to serve these communities with a state-of-the-art communications network.

Sincerely,

A handwritten signature in black ink, appearing to read 'J Epley', written over a light blue horizontal line.

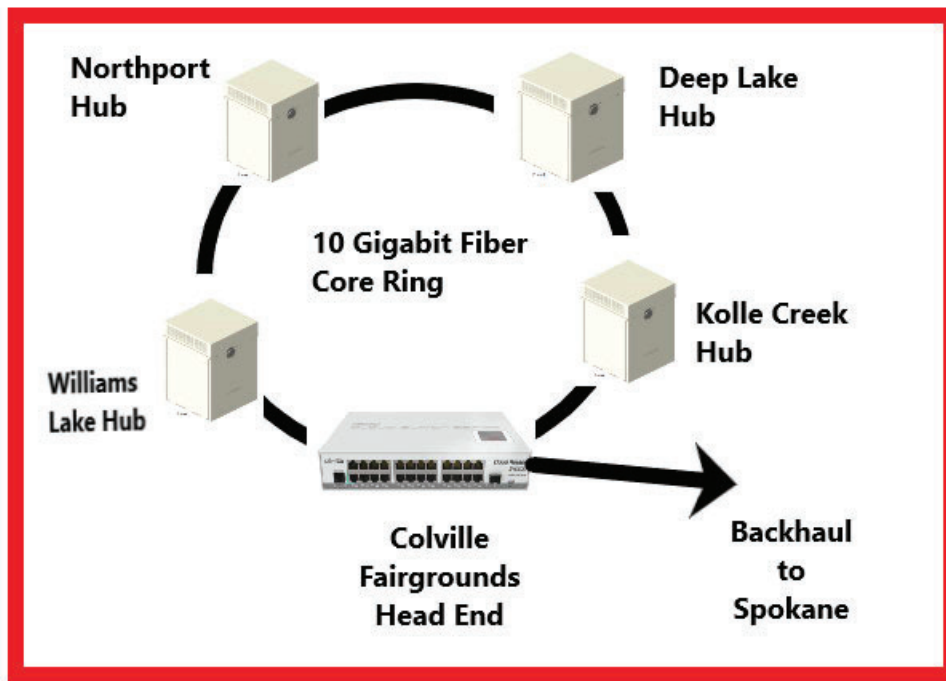
Jessica Epley
Vice President, Regulatory & External Affairs



Declaration Networks Group, Inc

Attachment iv. Network Architecture Diagram and System Design

DNG will deploy an all-fiber optic network that is based on ITU-T GPON G.984.2 standards. Traffic will flow through the network at each end of the proposed route on a 10 Gbps fully protected core ring configuration. Each end of the network will be directly spliced to a 12 mile leased dark fiber circuit from NoaNet and will exit the ring at a core switch at the Colville Fairgrounds Colocation. DNG has secured a 10 Gbps optical transport layer -2 ethernet connection from NoaNet at the Colville Fairgrounds colocation facility that leaves NoaNet’s network at the US Bank Building in Spokane, Washington. DNG has an existing colocation at the US Bank building where the traffic will traverse our Layer 3 Core Router to an existing 10 Gbps Direct Internet access circuit provided by NoaNet. This Internet circuit reaches the internet peering backbone at the Spokane Internet Exchange.



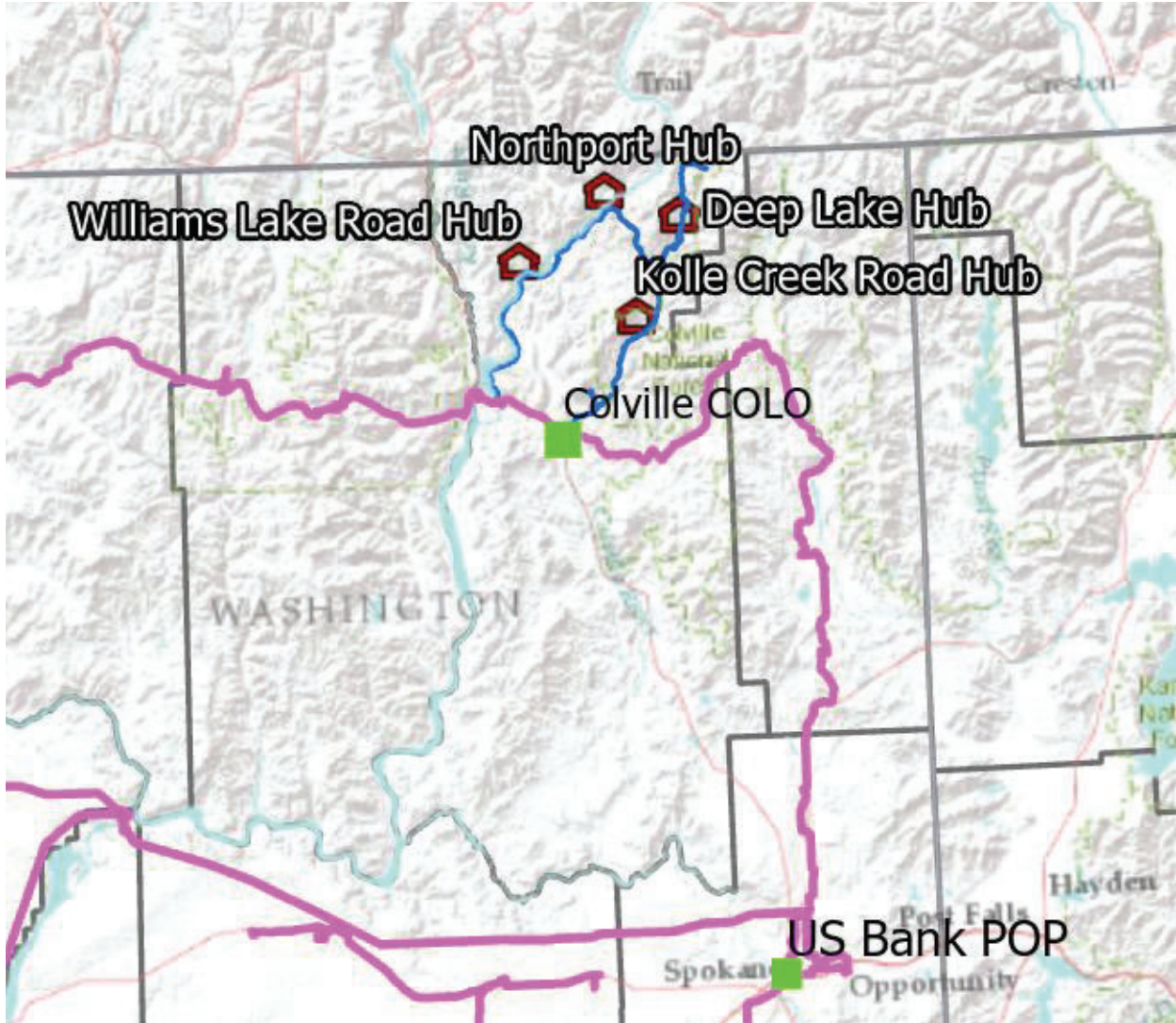
10 Gigabit Fully Protected Core Ring

The NoaNet Fairgrounds Backbone Sites is a carrier class resilient and highly available direct fiber connection or point to point (PTP) dark fiber connections to the Internet Service provider (ISP).

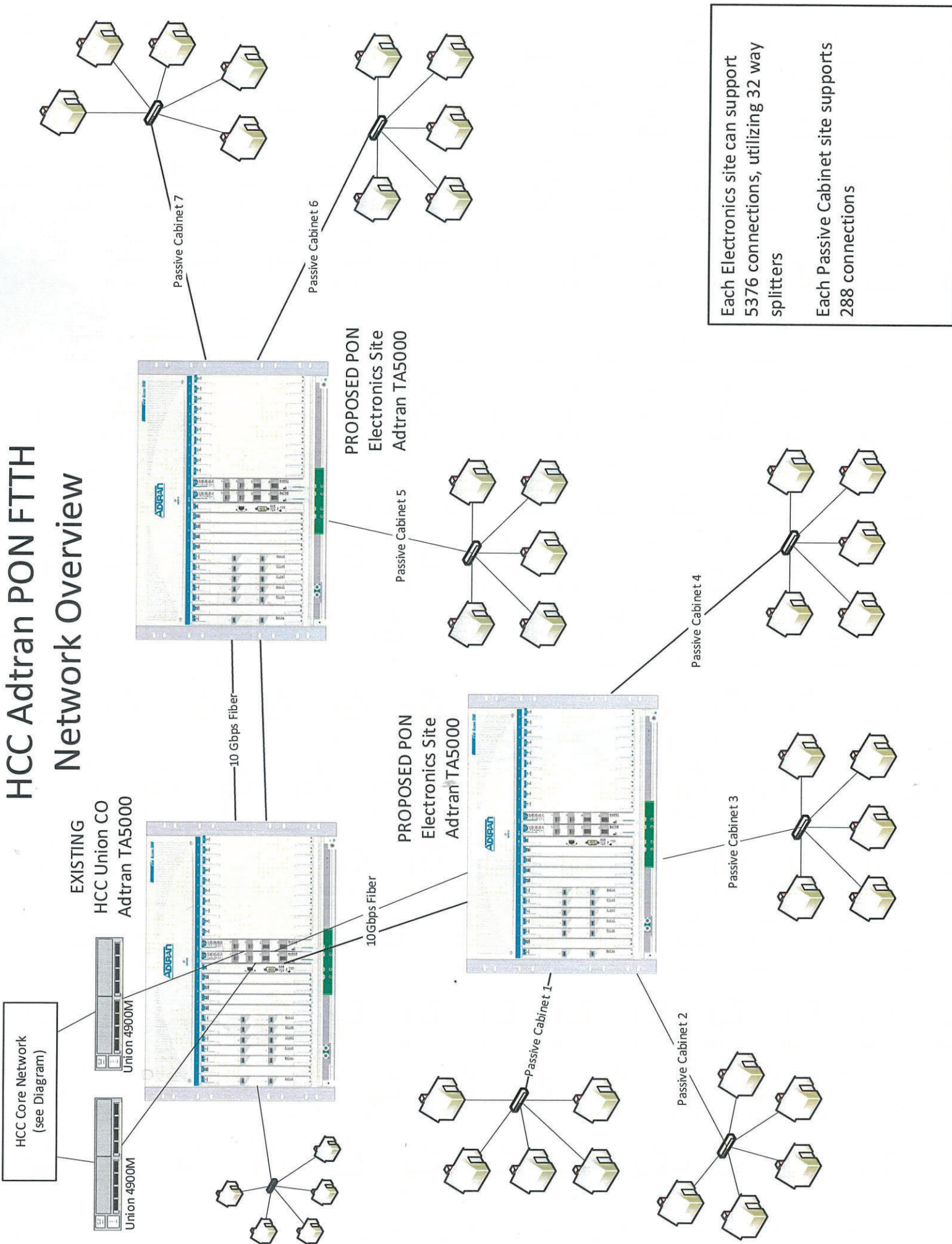
Fiber backhaul connections are Ethernet Layer 2 connections utilizing 1 Gbps or 10 Gbps Ethernet interfaces. The Layer 2 connection is established between the Outdoor Hubs and the Core Router location in Spokane. The amount of bandwidth configured is determined by the traffic demand of the site and is adjusted based on forecasted traffic demand.

Declaration Networks Group, Inc Network Architecture & Design

Typical latency on all fiber optic GPON network is sub 25 milliseconds. DNG expects that this network will far exceed the 100 ms roundtrip requirement



HCC Adtran PON FTTH Network Overview



Each Electronics site can support 5376 connections, utilizing 32 way splitters

Each Passive Cabinet site supports 288 connections

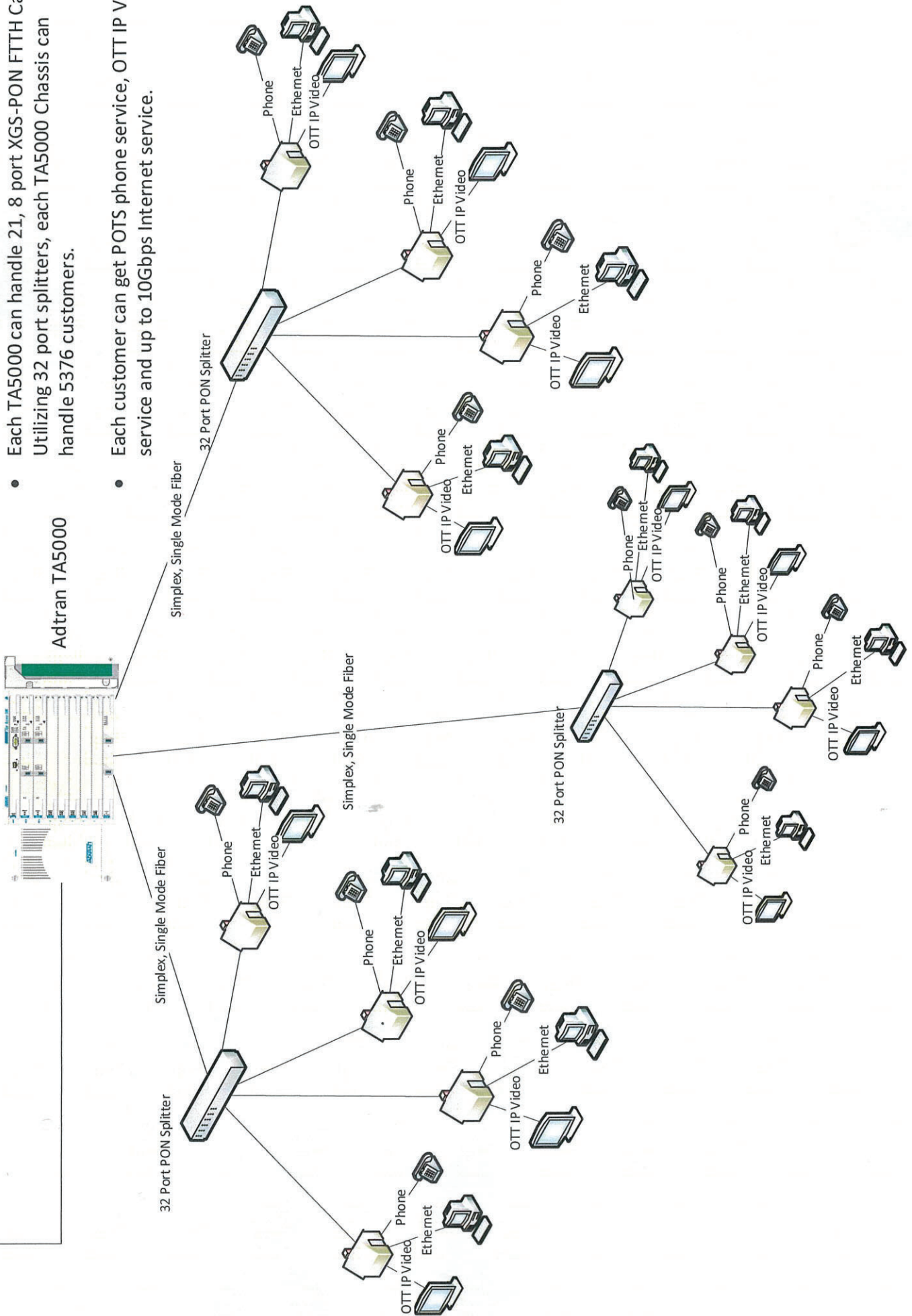
HCC Adtran XGS-PON FTTH Customer Connections/Access

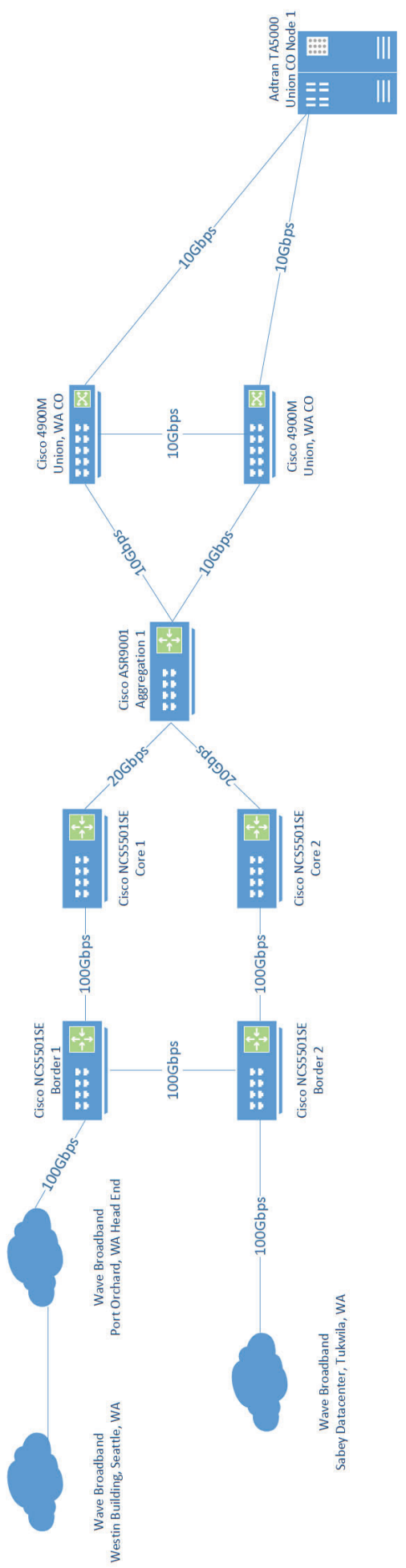
Adtran GPON
FTTH Network
(see diagram)

Adtran TA5000

- Each TA5000 can handle 21, 8 port XGS-PON FTTH Cards. Utilizing 32 port splitters, each TA5000 Chassis can handle 5376 customers.

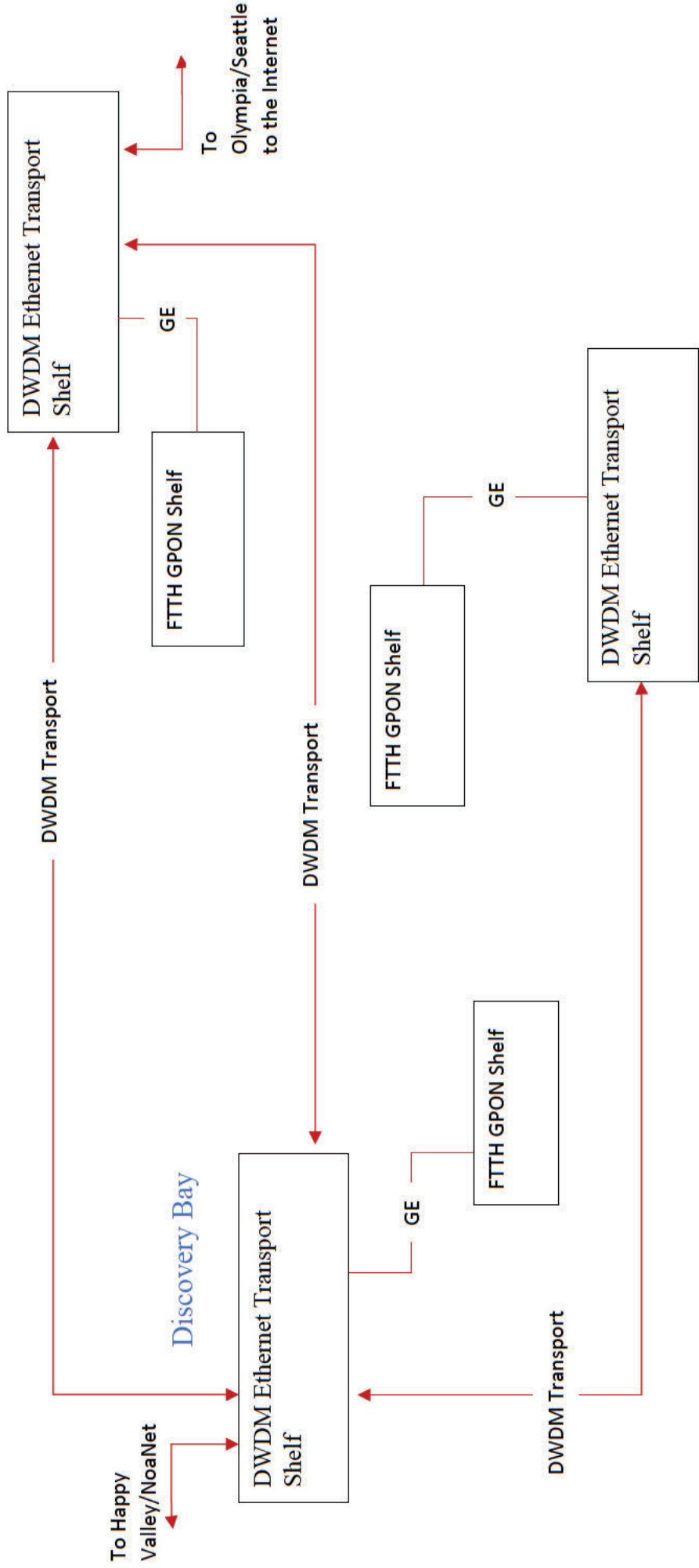
- Each customer can get POTS phone service, OTT IP Video service and up to 10Gbps Internet service.





Jefferson PUD NTIA Grant Network Diagram

Irondale



Quilcene

