

## **BTOP Comprehensive Community Infrastructure Service Offerings and Competitor Data Template**

Please complete the complete the following worksheets--either of the Last Mile or Middle Mile Service Offerings worksheets may be omitted if the applicant is not proposing to provide that type.

For both the Last Mile and Middle Mile Service Offerings worksheets, the service offerings should include all relevant tiers and markets (*e.g.* residential, business, wholesale). Applicants should ensure to include details on any services that would be offered at discounted rates to specific classes of customers (*e.g.* community anchor institutions or third party service providers).

In the Last Mile Service Offerings worksheet, applicants are required to provide estimated end user speeds. Average speeds should be the average sustained actual, non-burst end user speed that would be received during a peak hour. For purposes of calculating these speeds, applicants should utilize their subscriber projections for year eight of the project, and develop utilization projections that are consistent with any additional services the applicant proposes. For wireless broadband services, this speed should be an average of the speeds available across the entire cell. Beyond these general guidelines, due to the multiplicity of technical solutions that may be proposed, the applicants may use discretion to determine the most reasonable method to estimate actual speeds on their network. Applicants should explain the underlying methodology used to calculate the average speeds in the space provided.

In the Competitor Data worksheet, applicants are required to provide data on both Last Mile and middle mile service providers, regardless of whether the applicant proposes to offer Last Mile and middle mile services. In the column titled Service Areas Where Service Offered, applicants should list all of the Last Mile and Middle Mile Service Areas within their Proposed Project Area in which the listed services are available. Please ensure that the Service Areas are consistent with those provided within the application and the Service Areas attached as an exhibit. If the actual availability of the listed services is limited (*e.g.* the service is only available within a specific Last Mile or Middle Mile Service Area), note this in the Other Comments column.

In contrast to several other attachment templates in this application, the data provided in this template will NOT be subject to automated processing. These templates worksheets are provided to demonstrate the level of data required and to provide a suggested format. Applicants may modify the template layouts in order to provide the most effective presentation of data for their specific project. Applicants should, however, ensure that they provide at least as much data as these templates require. To the extent that you modify these templates please ensure that the print layouts are adjusted so that rows do not break across pages in a manner that is difficult to understand. It is recommended that you provide these documents in PDF format when submitting a copy of your application on an appropriate electronic medium, such as a CD-ROM, or flash drive.



Middle Mile  
provide services of

offerings should  
plans should be  
particular  
(riders).

estimated average  
fast speeds that an  
plans, applicants  
subscriber  
plans to offer.  
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solutions that may  
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last mile and  
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plans, applicants  
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## Proposed Last Mile Service Offerings

Name of Service Tier	Advertised Speeds		Estimated Average Speeds		Average Latency	Pricing Plan (\$ per month)	Other Comments/Description/Features or Limitations
	Downstream Mbps	Upstream Mbps	Downstream Mbps	Upstream Mbps	@ End User CPE milliseconds		
Basic Tier	1mbps	1mbps	869 kbps	700 kbps	45	\$19.95	Rates are for new user using customer supplied access cards
Enhanced	3 mbps	1mbps	2.5 mbps	700 kbps	45	\$27.50	Extended range CPE unit if needed available for additional \$85.00 or \$3.95/mo.
Pro Service	6 mbps	1mbps	4.2 mbps	700 kbps	45	\$32.00	
FiberPro	100mbs	100mbs	100mbs	100mbs	15	\$500.00	Business Class Ethernet

**Explanation of Average Speed Calculations:**

Wireless infrastructure and backhaul with full loading of Public safety, utility and consumer services it be provisioned to provide an average transfer speed of 70% of the advertised transmission speed.

Latency is based on service to a subscriber receiving service from an access point located through a double hop mesh access point. It includes the backhaul, directly connected access point and one intervening mesh access device





## Port Angeles Competitor Data

### Competitor Data - Last Mile Providers

Service Provider	Service Areas Where Service Available	Technology Platform	Service Tiers	Downstream Speed	Monthly Pricing	Other Comments/Description/Features or Limitations
Qwest	Cam,wpt,wpo,tap,the,ste,qce,ruc,fwn,phk,pas,oig,nms,ndd,mne,iss,kfs,gee	DSL	1.5 Level	1.5 Mbps	\$ 30.00	Internet Only- 1st yr
			7 Level	7.0 Mbps	\$ 35.00	Internet Only- 1st yr
			20 Level	20.0 Mbps	\$ 55.00	Internet Only- 1st yr
Wave Broadband	pas,sbk,	Cable Modem	High Speed 3	3.0 Mbps	\$ 39.50	Internet Only- 1st yr
			High Speed 6	6.0 Mbps	\$ 44.94	Internet Only- 1st yr
			High Speed 18	18.0 Mbps	\$ 49.95	Internet Only- 1st yr
Verizonwireless	Cam,wpt,wpo,tap,the,ste,qce,ruc,fwn,phk,pas,oig,nms,ndd,mne,iss,kfs,gee,wsn,wta,usk,ske,rer,rve,pwd,let,	3G -Wireless	250 MB download	1.4 Mbps	\$ 39.99	
			5 GB download	1.4 Mbps	\$ 59.99	

### Competitor Data - Middle Mile Service Providers

Service Provider	Service Areas Where Service Available	Technology Platform	Service Tiers	Distance Band or Point-to-Point	Minimum Peak Load Network Bandwidth Capacity	Pricing	Other Comments/Description/Features or Limitations
Qwest	Cam,wpt,wpo,tap,the,ste,qce,ruc,fwn,phk,pas,oig,nms,ndd,mne,iss,kfs,gee	Sonet	DS-1	Zero Mile	1.5Mbs	\$425	FCC-1 Tariff, 2 chan term 0 mile service
			DS-3	Zero Mile	45Mbs	\$1,625	FCC-1 Tariff, 2 chan term 0 mile service
			OC-3	Zero Mile	155Mbs	\$2,420	FCC-1 Tariff, 2 chan term 0 mile service
Verizon	wsn,wta,usk,ske,rer,rve,pwd,let,mfs,ioe,dmg	Sonet	DS-1	Zero Mile	1.5Mbs	\$560	Tariff 2 chan term 0 mile service
			DS-3	Zero Mile	45Mbs	\$2,100	Tariff 2 chan term 0 mile service
			OC-3	Zero Mile	155Mbs	\$3,340	Tariff 2 chan term 0 mile service
CenturyLink	amp,ash,cwh,cve,crs,cwe,ebe,hrh,jao,lye,mtn,prn,plo,psr,ttt,wpo,whm,zlh,ola	Ethernet	1-3Mbs	Zero Mile	1.5Mbs	\$422	Public Tariff, found in Supplemental Section
			10Mbs	Zero Mile	10Mbs	\$922	Public Tariff, found in Supplemental Section
			100Mbs	Zero Mile	100Mbs	\$3,600	Public Tariff, found in Supplemental Section

Pulled the posted tariffs for the different competitors. These tariffs are mileage dependent penalizing the more rural areas.

When services are available there is generally a mileage component resulting in a higher monthly price. There are discounts available for term.



Matching Funds Breakdown

Cash Matching Contributors			
	Amount	% of Project	Source
Kitsap Regional Library	\$ 5,000	0.01%	Internal
Kitsap County	\$ 30,000	0.04%	Internal
Port Orchard	\$ 5,000	0.01%	Internal
Bremerton	\$ 5,000	0.01%	Internal
Poulsbo	\$ 5,000	0.01%	Internal
Bainbridge Island	\$ 5,000	0.01%	Internal
Suquamish Tribe	\$ 2,500	0.00%	Internal
Fire: South, Central, North	\$ 15,000	0.02%	Internal
CenCom/DEM	\$ 5,000	0.01%	Internal
Kitsap County PUD	\$ 225,069	0.28%	Internal
Gates Foundation	\$ 1,500,000	1.90%	Grant Match
City of Port Angeles	\$ 1,096,729	1.39%	Internal
NoaNet	\$ 300,000	0.38%	Equity
Pend Oreille County PUD	\$ 333,786	0.42%	Internal
Jefferson County (JeffCom)	\$ 736,745	0.93%	Debt
SawNet	\$ 18,000	0.02%	Internal
Clark County	\$ 50,000	0.06%	Internal
Stevens County PUD	\$ 330,000	0.42%	Internal
Application Prep	\$ 735,496	0.93%	Internal
Benton County PUD	\$ 348,813	0.44%	Internal
Cisco	\$ 315,167	0.40%	Internal
Juniper	\$ 44,329	0.06%	Internal
CHR Consulting	\$ 96,000	0.12%	Other
Dept. Information Services	\$ 105,000	0.13%	Internal
NoaNet	\$ 175,000	0.22%	Internal
In-kind Matching Contributors			
	Amount	% of Project	Nature
NoaNet	\$ 2,290,167	2.90%	Existing plant
Pend Oreille County PUD	\$ 1,900,000	2.40%	Existing plant
Okanogan County PUD	\$ 2,680,000	3.39%	Existing plant
Stevens County PUD	\$ 80,100	0.10%	Existing plant
Blackrock Cable	\$ 1,530,000	1.94%	Existing plant
Tulalip Data Services/WA-RBC	\$ 662,000	0.84%	Capital Labor, Facility
SawNet	\$ 150,000	0.19%	Capital Labor, ROW
ESD-105	\$ 24,959	0.03%	Capital Labor
Benton County PUD	\$ 1,851,083	2.34%	Existing plant
Kalispel Tribe	\$ 55,340	0.07%	Capital Labor, Facility
Jefferson, Kitsap, Stevens	\$ 285,000	0.36%	App Prep



## Comprehensive Community Infrastructure Key Metrics Dashboard

Please refer to the CCI Grant Guidelines for instructions on completing this form.

Applicant Profile	
Applicant Name	Northwest Open Access network (NoaNet)
Title	State of Washington Broadband Consortium
Easygrants ID	5376
Headquarters	Tacoma, WA
Size (2009 Data) of Applicant Entity	<ul style="list-style-type: none"> <li>• Current Year Revenues: \$16,838,553</li> <li>• Employees: 31</li> </ul>
Technology Type	<b>Aerial Fiber (MM) WiMax (LM)</b>
Key Partners	<b>Kalispel Tribe of Indians, Jefferson County, Blackrock Cable, City of Port Angeles, Pend Oreille County Public Utility District, Washington State Library, Okanogan County Public Utility District, Kitsap County Public Utility District</b>

Project Economics			
Budget Information		Project Financials	
Project Budget	<b>\$79,002,417</b>	Project Revenues (Yr 8)	<b>\$3,216,931</b>
Federal Contribution (%)	<b>\$55,280,797 (70%)</b>	Net Income and Margin (Yr 8)	<b>(\$4,459,896)</b>
Cash Match Amount (%)	<b>\$5,672,138 (7%)</b>	EBITDA and Margin (Yr 8)	<b>\$935,208 (29%)</b>
In Kind Match Amount (%)	<b>\$18,049,442 (23%)</b>	Rate of Return (w/o BTOP Funds)	0.0%
Middle Mile/Last Mile Budget Allocation		Rate of Return (w/ BTOP Funds)	5.06%
Middle Mile Percentage (%)	6.4%	Cost Efficiency	
Last Mile Percentage (%)	93.6%	Cost per Mile (MM)	<b>\$73,251</b>
Rural Last Mile Percentage	0%	Cost per Household (LM)	<b>\$75.09</b>

Market Territory	
Geographic Area(s)	<b>The area covers Washington state. It consists of projects to fill in holes identified through underserved research or through new or expanded requested services, unavailable or unaffordable, to anchor institutions.</b>
Middle Mile Network Composition	
Total Proposed Network Miles (MM only)	<ul style="list-style-type: none"> <li>• Total Miles: 2828</li> <li>• Backbone Miles: 2787</li> <li>• Lateral Miles: 46</li> </ul>
New Construction Network Miles (MM only)	<ul style="list-style-type: none"> <li>• Total Miles: 496</li> <li>• Backbone Miles: 455</li> <li>• Lateral Miles: 41</li> </ul>
Existing Applicant Network Miles Utilized (MM only)	<ul style="list-style-type: none"> <li>• Total Miles: 2332</li> <li>• Backbone Miles: 2332</li> <li>• Lateral Miles:</li> </ul>

## Comprehensive Community Infrastructure Key Metrics Dashboard

Leased Network Miles Utilized (MM only)	<ul style="list-style-type: none"> <li>Total Miles: 0</li> <li>Backbone Miles: 0</li> <li>Lateral Miles: 0</li> </ul>
Underserved/Unserved	<ul style="list-style-type: none"> <li>Percentage of Backbone Miles in Underserved/Unserved Areas:</li> <li>Percentage of Lateral Miles in Underserved/Unserved Areas:</li> </ul>
<b>Existing Customer Base</b>	
Existing Residential/Individual Customers within PFSA	<b>0</b>
Existing Business Customers within PFSA	<b>0</b>
Existing Community Anchor Institution Customers within PFSA	<ul style="list-style-type: none"> <li>Total CAI's: 37</li> <li>Community Colleges: 9</li> <li>Public Safety Entities: 28</li> </ul>
Existing Third Party Service Provider Customers within PFSA	<b>12</b>
<b>Potential Customer Base</b>	
Market Potential Households (within PFSA)	<ul style="list-style-type: none"> <li>Total HH's: 538,559</li> <li>Located in Underserved/Unserved Areas: 126,398</li> </ul>
Market Potential Businesses (within PFSA)	<ul style="list-style-type: none"> <li>Total Businesses: 103,260</li> <li>Located in Underserved/Unserved Areas: 15,210</li> </ul>
Market Potential Community Anchor Institutions (within PFSA)	<ul style="list-style-type: none"> <li>Total CAI's: 1,795</li> <li>Located in Underserved/Unserved Areas: 493</li> <li>Community Colleges: 12</li> <li>Public Safety Entities: 460</li> </ul>
Market Potential Third Party Service Providers (within PFSA)	<ul style="list-style-type: none"> <li>Total Third Party Service Providers in PFSA: 23</li> <li>Expressing Commitment or Letter of Interest: 7</li> </ul>
<b>Funded Network Coverage</b>	
Households Connected to Network (via BTOP Funds by end of Year 3)	<ul style="list-style-type: none"> <li>Total Households Connected: <b>8,176</b></li> <li>Located in Underserved/Unserved Areas: 220</li> </ul>
Businesses Connected to Network (via BTOP Funds by end of Year 3)	<ul style="list-style-type: none"> <li>Total Businesses Connected: 183</li> <li>Located in Underserved/Unserved Areas: <b>21</b></li> </ul>
Community Anchor Institutions Directly Connected (via BTOP Funds by end of Year 3)	<ul style="list-style-type: none"> <li>Total Directly Connected CAI's: 283</li> <li>Located in Underserved/Unserved Areas: <b>88</b></li> <li>Community Colleges: 5</li> <li>Public Safety Entities: 37</li> </ul>

## Comprehensive Community Infrastructure Key Metrics Dashboard

Projected Subscribers by Year Five	<p><b><u>Directly Served by Applicant</u></b></p> <ul style="list-style-type: none"> <li>• Community Anchor Institutions: 0</li> <li>• Households: 0</li> <li>• Businesses: 0</li> <li>• Third Party Service Providers: <b>23</b></li> </ul> <p><b><u>Served by Proposed Network Via Third Party Service Provider</u></b></p> <ul style="list-style-type: none"> <li>• Community Anchor Institutions: 657</li> <li>• Households: 619</li> <li>• Businesses: 245</li> </ul>
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Other	
Proposed MM Network Capacity	<ul style="list-style-type: none"> <li>• Backbone: 3.2 Terabyte (10Gbps wavelengths)</li> <li>• Laterals: 1Gbps to 10Gbps</li> </ul>
Proposed LM Network Speed	<ul style="list-style-type: none"> <li>• Highest offered speed tier: 6Mbps</li> <li>• Estimated Average speed for highest speed tier: 4.2Mbps</li> </ul>
Total Points of Interconnection	<ul style="list-style-type: none"> <li>• Total Pol's: 231</li> <li>• Pol's in Underserved/Unserved Areas: 137</li> <li>• Environmentally-controlled, non-passive Pols: 69</li> </ul>
Jobs Created	<ul style="list-style-type: none"> <li>• <b>Direct Job-years: 105</b></li> <li>• <b>Indirect Job-years: 319</b></li> <li>• <b>Induced Job-years: 239</b></li> </ul>
Required Time for Project Completion (Number of Required Quarters to Fully Build-out and Test Network and Make Ready for Commercial Service)	9

## BTOP Comprehensive Community Infrastructure Subscriber Estimates Template

Please complete the complete the Subscriber Estimates worksheet.

All applicants should indicate their 8-year subscriber forecasts with a breakdown by type of subscriber (residential/individual, businesses, community anchor institutions, third party service providers) and service offerings. The names of the service offerings should match those provided in the Service Offering and Competitor Data upload, enabling reviewers to easily cross-reference between the two documents. The Year 0 column should be used to denote any existing customers within the Proposed Funded Service Area. In addition, applicants that project that they will have third party service provider customers should include a line for parties "Served by Third Party Service Providers," showing an estimate of how many residential/individual, community anchor institution, and business customers will be served by those service providers, as demonstrated in the example below. At the bottom of the table, applicants should provide customer totals across all service offerings, with and without customers indirectly served through a third party service provider (if applicable). Applicants should also include a brief discussion of their methodology for deriving these estimates.

In contrast to several other upload templates in this application, the data provided via this template will NOT be subject to automated processing. Applicants are permitted to modify the template layout in order to provide the most effective presentation of the data for their specific project, but such modifications are generally discouraged. Applicants should, in any case, ensure that they provide at least as much detail as the provided template requires. To the extent that you modify these templates please ensure that the print layouts are adjusted so that rows do not break across pages in a manner that will be difficult to understand. A PDF of this file will be automatically generated upon upload to Easygrants, and the print settings will be used to format the PDF file.

### EXAMPLE

Name of Service Offering	Customer Type	Year 0	Cumulative/ Net Add	Year 1				Year 2			
				Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4
Mega-Metro E - 100 Mbps	Community Anchor Inst.	0	Cumulative	0	0	0	0	5	10	17	26
			Net Add	0	0	0	0	5	5	7	9
	Business	0	Cumulative	0	0	0	0	12	27	52	82
			Net Add	0	0	0	0	12	15	25	30
	Third Party Service Provider	0	Cumulative	0	0	0	0	1	2	4	6
			Net Add	0	0	0	0	1	1	2	2
Served by Third Party Service Providers	Indirect - Res./Ind.	0	Cumulative	0	0	0	0	1000	3000	5000	10000
			Net Add	0	0	0	0	1000	2000	2000	5000
	Indirect - Business	0	Cumulative	0	0	0	0	2	8	18	30
			Net Add	0	0	0	0	2	6	10	12
	Indirect - Com. Anchor Inst.	0	Cumulative	0	0	0	0	0	2	3	5
			Net Add	0	0	0	0	0	2	1	2

## Broadband Subscriber Estimates

Name of Service Offering	Customer Type	Year 0	Cumulative/ Net Add	Year 1				Year 2				Year 3				Year 4	
				Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2
FiberPro	Indirect - Com. Anchor Inst.		Cumulative		15	30	45	75	120	165	225	255	270	285	300	315	330
			Net Add		15	15	15	30	45	45	60	30	15	15	15	15	15
FiberPro	Indirect - Business		Cumulative							5	10	15	25	35	60	85	125
			Net Add							5	5	5	10	10	25	25	40
FastE	Indirect - Com. Anchor Inst.		Cumulative		12	24	36	60	96	132	180	204	216	228	240	252	264
			Net Add		12	12	12	24	36	36	48	24	12	12	12	12	12
Enhanced	Indirect - Res./Ind.		Cumulative			4	12	37	77	142	202	262	322	369	404	439	469
			Net Add			4	8	25	40	65	60	60	60	47	35	35	30
FastE	Third Party Service Provider		Cumulative		1	3	5	9	12	14	16	18	20	23	26	30	34
			Net Add		1	2	2	4	3	2	2	2	2	3	3	4	4
			Cumulative														
			Net Add														
Cumulative Totals (excluding Indirect)	Residential/Individual		Total														
	Business		Total														
	Community Anchor Inst.		Total														
	Third Party Service Provider		Total														
Cumulative Totals (including Indirect)	Residential/Individual		Total		0	4	12	37	77	142	202	262	322	369	404	439	469
	Business		Total		0	0	0	0	0	5	10	15	25	35	60	85	125
	Community Anchor Inst.		Total		27	54	81	135	216	297	405	459	486	513	540	567	594

**Table of Customer Types**

Residential/Individual
Business
Community Anchor Inst.
Third Party Service Provider
Indirect - Res./Ind.
Indirect - Business
Indirect - Com. Anchor Inst.

**Explanation of Methodology:** There is a substantial commitment from the anchor institutions to procure service from the proposed network consortium to provide sustainability. The projections are based on acquiring the anchor institutions and then having local loop providers slowly build out to businesses that need new or expanded services in each community.

The market share plan is limited to 3% of any market. This conservative number is arrived at by comparing market release data from other telecommunications companies.

Name of Service Offering	Customer Type	Year 4		Year 5				Year 6				Year 7				Year 8		
		Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3
FiberPro	Indirect - Com. Anchor Inst.	340	345	350	355	360	365	370	375	380	385	390	395	400	405	410	415	420
		10	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
FiberPro	Indirect - Business	170	200	220	235	240	245	250	255	260	265	270	275	280	285	290	295	300
		45	30	20	15	5	5	5	5	5	5	5	5	5	5	5	5	5
FastE	Indirect - Com. Anchor Inst.	272	276	280	284	288	292	296	300	304	308	312	316	320	324	328	332	336
		8	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Enhanced	Indirect - Res./Ind.	499	529	559	584	609	619	629	639	649	654	659	664	669	674	679	684	689
		30	30	30	25	25	10	10	10	10	5	5	5	5	5	5	5	5
FastE	Third Party Service Provider	37	41	44	48	52	55	57	60	62	65	67	69	72	74	75	76	77
		3	4	3	4	4	3	2	3	2	3	2	2	3	2	1	1	1
Cumulative Totals (excluding Indirect)	Residential/Individual																	
	Business																	
	Community Anchor Inst.																	
	Third Party Service Provider																	
Cumulative Totals (including Indirect)	Residential/Individual	499	529	559	584	609	619	629	639	649	654	659	664	669	674	679	684	689
	Business	170	200	220	235	240	245	250	255	260	265	270	275	280	285	290	295	300
	Community Anchor Inst.	612	621	630	639	648	657	666	675	684	693	702	711	720	729	738	747	756

**Table of Customer Types**

Residential/Individual
Business
Community Anchor Inst.
Third Party Service Provider
Indirect - Res./Ind.
Indirect - Business
Indirect - Com. Anchor Inst.



Name of Service Offering	Customer Type	Qtr 4
FiberPro	Indirect - Com. Anchor Inst.	425
		5
FiberPro	Indirect - Business	305
		5
FastE	Indirect - Com. Anchor Inst.	340
		4
Enhanced	Indirect - Res./Ind.	694
		5
FastE	Third Party Service Provider	78
		1
<b>Cumulative Totals (excluding Indirect)</b>	Residential/Individual	
	Business	
	Community Anchor Inst.	
	Third Party Service Provider	
<b>Cumulative Totals (including Indirect)</b>	Residential/Individual	694
	Business	305
	Community Anchor Inst.	765

**Table of Customer Types**

Residential/Individual
Business
Community Anchor Inst.
Third Party Service Provider
Indirect - Res./Ind.
Indirect - Business
Indirect - Com. Anchor Inst.

**BUDGET INFORMATION - Construction Programs**

OMB Approval No. 4040-0008  
Expiration Date 07/30/2010

*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	\$ <input type="text"/>	\$ <input type="text"/>	\$ <input type="text"/>
2. Land, structures, rights-of-way, appraisals, etc.	\$ <input type="text"/>	\$ <input type="text"/>	\$ <input type="text"/>
3. Relocation expenses and payments	\$ <input type="text"/>	\$ <input type="text"/>	\$ <input type="text"/>
4. Architectural and engineering fees	\$ <input type="text"/>	\$ <input type="text"/>	\$ <input type="text"/>
5. Other architectural and engineering fees	\$ <input type="text"/>	\$ <input type="text"/>	\$ <input type="text"/>
6. Project inspection fees	\$ <input type="text"/>	\$ <input type="text"/>	\$ <input type="text"/>
7. Site work	\$ <input type="text"/>	\$ <input type="text"/>	\$ <input type="text"/>
8. Demolition and removal	\$ <input type="text"/>	\$ <input type="text"/>	\$ <input type="text"/>
9. Construction	\$ <input type="text"/>	\$ <input type="text"/>	\$ <input type="text"/>
10. Equipment	\$ <input type="text"/>	\$ <input type="text"/>	\$ <input type="text"/>
11. Miscellaneous	\$ <input type="text"/>	\$ <input type="text"/>	\$ <input type="text"/>
12. SUBTOTAL (sum of lines 1- 11)	\$ <input type="text"/>	\$ <input type="text"/>	\$ <input type="text"/>
13. Contingencies	\$ <input type="text"/>	\$ <input type="text"/>	\$ <input type="text"/>
14. SUBTOTAL	\$ <input type="text"/>	\$ <input type="text"/>	\$ <input type="text"/>
15. Project (program) income	\$ <input type="text"/>	\$ <input type="text"/>	\$ <input type="text"/>
16. TOTAL PROJECT COSTS (subtract #15 from #14)	\$ <input type="text"/>	\$ <input type="text"/>	\$ <input type="text"/>
<b>FEDERAL FUNDING</b>			
17. Federal assistance requested, calculate as follows: (Consult Federal agency for Federal percentage share.) Enter eligible costs from line 16c Multiply X <input type="text"/> % Enter the resulting Federal share.			\$ <input type="text"/>

## INSTRUCTIONS FOR THE SF-424C

Public reporting burden for this collection of information is estimated to average 180 minutes per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Office of Management and Budget, Paperwork Reduction Project (0348-0041), Washington, DC 20503.

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

This sheet is to be used for the following types of applications: (1) "New" (means a new [previously unfunded] assistance award); (2) "Continuation" (means funding in a succeeding budget period which stemmed from a prior agreement to fund); and (3) "Revised" (means any changes in the Federal Government's financial obligations or contingent liability from an existing obligation). If there is no change in the award amount, there is no need to complete this form. Certain Federal agencies may require only an explanatory letter to effect minor (no cost) changes. If you have questions, please contact the Federal agency.

*Column a.* - If this is an application for a "New" project, enter the total estimated cost of each of the items listed on lines 1 through 16 (as applicable) under "COST CLASSIFICATION."

If this application entails a change to an existing award, enter the eligible amounts *approved under the previous award* for the items under "COST CLASSIFICATION."

*Column b.* - If this is an application for a "New" project, enter that portion of the cost of each item in Column a. which is *not* allowable for Federal assistance. Contact the Federal agency for assistance in determining the allowability of specific costs.

If this application entails a change to an existing award, enter the adjustment [+ or (-)] to the previously approved costs (from column a.) reflected in this application.

*Column.* - This is the net of lines 1 through 16 in columns "a." and "b."

---

Line 1 - Enter estimated amounts needed to cover administrative expenses. Do not include costs which are related to the normal functions of government. Allowable legal costs are generally only those associated with the purchases of land which is allowable for Federal participation and certain services in support of construction of the project.

Line 2 - Enter estimated site and right(s)-of-way acquisition costs (this includes purchase, lease, and/or easements).

Line 3 - Enter estimated costs related to relocation advisory assistance, replacement housing, relocation payments to displaced persons and businesses, etc.

Line 4 - Enter estimated basic engineering fees related to construction (this includes start-up services and preparation of project performance work plan).

Line 5 - Enter estimated engineering costs, such as surveys, tests, soil borings, etc.

Line 6 - Enter estimated engineering inspection costs.

Line 7 - Enter estimated costs of site preparation and restoration which are not included in the basic construction contract.

Line 9 - Enter estimated cost of the construction contract.

Line 10 - Enter estimated cost of office, shop, laboratory, safety equipment, etc. to be used at the facility, if such costs are not included in the construction contract.

Line 11 - Enter estimated miscellaneous costs.

Line 12 - Total of items 1 through 11.

Line 13 - Enter estimated contingency costs. (Consult the Federal agency for the percentage of the estimated construction cost to use.)

Line 14 - Enter the total of lines 12 and 13.

Line 15 - Enter estimated program income to be earned during the grant period, e.g., salvaged materials, etc.

Line 16 - Subtract line 15 from line 14.

Line 17 - This block is for the computation of the Federal share. Multiply the total allowable project costs from line 16, column "c." by the Federal percentage share (this may be up to 100 percent; consult Federal agency for Federal percentage share) and enter the product on line 17.

## ASSURANCES - CONSTRUCTION PROGRAMS

OMB Approval No. 4040-0009  
Expiration Date 07/30/2010

Public reporting burden for this collection of information is estimated to average 15 minutes per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Office of Management and Budget, Paperwork Reduction Project (0348-0042), Washington, DC 20503.

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

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

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

1. Has the legal authority to apply for Federal assistance, and the institutional, managerial and financial capability (including funds sufficient to pay the non-Federal share of project costs) to ensure proper planning, management and completion of the project described in this application.
2. Will give the awarding agency, the Comptroller General of the United States and, if appropriate, the State, the right to examine all records, books, papers, or documents related to the assistance; and will establish a proper accounting system in accordance with generally accepted accounting standards or agency directives.
3. Will not dispose of, modify the use of, or change the terms of the real property title, or other interest in the site and facilities without permission and instructions from the awarding agency. Will record the Federal awarding agency directives and will include a covenant in the title of real property acquired in whole or in part with Federal assistance funds to assure non-discrimination during the useful life of the project.
4. Will comply with the requirements of the assistance awarding agency with regard to the drafting, review and approval of construction plans and specifications.
5. Will provide and maintain competent and adequate engineering supervision at the construction site to ensure that the complete work conforms with the approved plans and specifications and will furnish progress reports and such other information as may be required by the assistance awarding agency or State.
6. Will initiate and complete the work within the applicable time frame after receipt of approval of the awarding agency.
7. Will establish safeguards to prohibit employees from using their positions for a purpose that constitutes or presents the appearance of personal or organizational conflict of interest, or personal gain.
8. Will comply with the Intergovernmental Personnel Act of 1970 (42 U.S.C. §§4728-4763) relating to prescribed standards for merit systems for programs funded under one of the 19 statutes or regulations specified in Appendix A of OPM's Standards for a Merit System of Personnel Administration (5 C.F.R. 900, Subpart F).
9. Will comply with the Lead-Based Paint Poisoning Prevention Act (42 U.S.C. §§4801 et seq.) which prohibits the use of lead-based paint in construction or rehabilitation of residence structures.
10. Will comply with all Federal statutes relating to non-discrimination. These include but are not limited to: (a) Title VI of the Civil Rights Act of 1964 (P.L. 88-352) which prohibits discrimination on the basis of race, color or national origin; (b) Title IX of the Education Amendments of 1972, as amended (20 U.S.C. §§1681 1683, and 1685-1686), which prohibits discrimination on the basis of sex; (c) Section 504 of the Rehabilitation Act of 1973, as amended (29 U.S.C. §794), which prohibits discrimination on the basis of handicaps; (d) the Age Discrimination Act of 1975, as amended (42 U.S.C. §§6101-6107), which prohibits discrimination on the basis of age; (e) the Drug Abuse Office and Treatment Act of 1972 (P.L. 92-255), as amended, relating to nondiscrimination on the basis of drug abuse; (f) the Comprehensive Alcohol Abuse and Alcoholism Prevention, Treatment and Rehabilitation Act of 1970 (P.L. 91-616), as amended, relating to nondiscrimination on the basis of alcohol abuse or alcoholism; (g) §§523 and 527 of the Public Health Service Act of 1912 (42 U.S.C. §§290 dd-3 and 290 ee 3), as amended, relating to confidentiality of alcohol and drug abuse patient records; (h) Title VIII of the Civil Rights Act of 1968 (42 U.S.C. §§3601 et seq.), as amended, relating to nondiscrimination in the sale, rental or financing of housing; (i) any other nondiscrimination provisions in the specific statute(s) under which application for Federal assistance is being made; and, (j) the requirements of any other nondiscrimination statute(s) which may apply to the application.

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-1 33, "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.

*SIGNATURE OF AUTHORIZED CERTIFYING OFFICIAL <i>David H. Spencer</i>	*TITLE <i>COO/Treasurer</i>
*APPLICANT ORGANIZATION <i>Northwest Open Access Network</i>	*DATE SUBMITTED <i>3/26/10 0.00</i>



## **Budget Narrative**

**Applicant Name: Northwest Open Access Network**

**EasyGrants Number: 5376**

**Organization Type (from Question 1D on BTOP application): Non-Profit Corporation**

**Proposed Period of Performance: 2 Years from Date of Award – Anticipated Q4 2010 – Q3 2012**

**Total Project Costs: \$79,002,377**

**Total Federal Grant Request: \$55,280,797**

**Total Matching Funds (Cash): \$5,672,138**

**Total Matching Funds (In-Kind): \$18,049,442**

**Total Matching Funds (Cash + In-Kind): \$23,721,580**

**Total Matching Funds (Cash + In-Kind) as Percentage of Total Project Costs: 30.03%**

### **1. Administrative and legal expenses**

**- List breakout of position(s), time commitment(s) such as hours or level-of-effort, and salary information/rates with a detailed explanation, and additional information as needed.**

The estimated total for Administrative and Legal Expenses of **\$1,027,242** was based on a combination of cash matching funds and The State Business and Occupation Tax.

A cash match for the Administrative and legal fees has been provided by Port of Angeles for \$199,992. In addition to this cash match, \$827,250 is budgeted for Washington State Business and Occupation tax. This tax is based on gross revenues associated with the project. The Cash Match (\$199,992) plus taxes (\$827,250) equals the total of \$1,027,242. Administrative and legal expenses for similar projects were used to determine the personnel required.



**- Provide description, calculation, and basis of evaluation for Cash Matching Funds.**

Table 1 Administration and legal Cash Matching

The Port of Angeles intends to provide a cash match for administration and legal fess support as follows:

Table 1 City of Port Angeles Direct Cash Matching

Position	Hours per Mo.	Length in Months	Rate per Hour	Extended Cost
City Project Manager	80	24	\$62.50	\$120,000
Saftey Coordinator	60	24	\$55.55	\$79,992
Total				\$199,992

**- Provide description, calculation, and basis of evaluation for In-Kind Matching Funds.**

N/A

**2. Land, structures, rights-of-way, appraisals, etc.**

**- Provide description of estimated costs, proposed activites, and additional information as needed.** The estimated costs of land, structures of **\$2,250,722** was based on typical costs in the area. Land prices are anticipated to remain stable for the proposed time of acquisition and project length. Structure prices were based on typical telecommunications standard buildings with backup power, HVAC and ground fields. Specifically 2 pre-fabricated huts (2x\$41,000 ea.= \$82,000) were required. The line items are specified in the Buildings section of the Detail of Project Costs. The remaining \$2,168,722 is provided as cash and in-kind matches as described below.

**- Provide description, calculation, and basis of evaluation for Cash Matching Funds.**

NoaNet is providing a Cash match of \$150,000 for this project.



**- Provide description, calculation, and basis of evaluation for In-Kind Matching Funds.**

In-Kind matching funds derived through planned use of preexisting facilities totaling the amount from each participant is described below in Table 2.

*Table 2 Building Match*

Contributor	In-Kind Match
NoaNet	\$572,484
North Central (Tonasket to lone) - NN, OKPUD, POPUD	\$523,450
Jefferson PUD/City of Port Townsend	\$400,000
Kitsap PUD	\$135,000
Black Rock Cable	\$61,200
Tulalip Tribe	\$46,340
SawNet/Clark	\$35,000
Benton PUD	\$185,108
Kalispel Tribe	\$10,140
Stevens PUD	\$50,000
<b>Grand Total</b>	<b>\$2,018,722</b>

These in-kind contributions represent the depreciated value of structures required for connecting the new network segments from the project into existing NoaNet structures either directly or through participant networks. These structures are the locations where the new construction anticipated in the grant terminates and they are used to house electronics and fiber interconnections. This amount can be as indicated in the Buildings section of the Detail of Project Costs.

**3. Relocation expenses and payment**

**- Provide explanation for the relocation, description of the person involved in the relocation, method used to calculate costs, and additional information as needed.**

N/A.

**- Provide description, calculation, and basis of evaluation for Cash Matching Funds.**

N/A

**- Provide description, calculation, and basis of evaluation for In-Kind Matching Funds.**

N/A





**4. Architectural and engineering fees**

**- Provide description of estimated fees, explanation of proposed services, and additional information as needed.** The Architecture and Engineering fees are **\$7,506,240**. This number is a percentage of the total of Engineering Design and Project Management Fees. The Engineering amount in Detail of Project Costs of \$3,811,854 was calculated to be based on 7.56% of the outside plant costs as shown in Table 3 (\$50,443,735 outside plant). The percentage of the project is in-line with standard measurements of project cost and this percentage is based on industry standard based on similar projects of this size. An additional \$75,000 cash match has also been contributed to the engineering fees for a total of \$3,886,854. Project Management fees of \$3,619,386 are based on costs from similar projects. The total of these two line items (\$3,886,854 + \$3,619,386) is \$7,506,240.

Table 3 Engineering

Construction Type	Engineering	Total Construction
Aerial Fiber Plant		\$7,870,548
Underground Fiber Construction		\$2,378,822
Total Poles		\$1,473,373
MW Tower Construction		\$856,745
Total Match		\$16,551,484
Total Construction		\$50,443,735
Total Engineering	7.56%	\$3,811,845

Project Management is based on the duration and size of the project determined by the experience of a third party project management company. Rates are based on typical direct expense project management and are shown in Table 4.

Table 4 Project Management Direct Expenses

Project Managers	Number	Hours per Month	Months	Rate	Total
Lead Manager	1	160	24	\$175	\$672,000



Construction PM	4	160	24	\$145	\$2,227,200
Equipment PM	2	160	18	\$125.0323	\$720,186
Total PM					\$3,619,386

**- Provide description, calculation, and basis of evaluation for Cash Matching Funds.**

The Port of Angeles intends to provide a cash match for Project Engineering Consultancy as follows in Table 5:

Table 5 Architectural and Engineering Fees

Title	Hours per Month	Months	Rate	Total
Project Engineering Consultancy	13.889	36	\$150	\$75,000
Total Cash Matching				\$75,000

**- Provide description, calculation, and basis of evaluation for In-Kind Matching Funds.**

N/A

**5. Other architectural and engineering fees**

**- Provide description of estimated fees, explanation of proposed services, and additional information as needed.** Other architectural and engineering fees were estimated to be **\$21,573**. This number represents the engineering fees associated with obtaining right-of-way in public easements and is based on costs associated with similar projects.

**- Provide description, calculation, and basis of evaluation for Cash Matching Funds.**

N/A



**- Provide description, calculation, and basis of evaluation for In-Kind Matching Funds.**

N/A

## **6. Project inspection fees**

**- Provide description of estimated fees, explanation of proposed services, and additional information as needed.**

N/A

**- Provide description, calculation, and basis of evaluation for Cash Matching Funds.**

N/A

**- Provide description, calculation, and basis of evaluation for In-Kind Matching Funds.**

N/A

## **7. Site work**

**- Provide description of estimated fees, explanation of proposed services, and additional information as needed.**

N/A

**- Provide description, calculation, and basis of evaluation for Cash Matching Funds.**

N/A

**- Provide description, calculation, and basis of evaluation for In-Kind Matching Funds.**

N/A

## **8. Demolition and removal**

**- Provide description of estimated fees, explanation of proposed services, and additional information as needed.**

N/A

**- Provide description, calculation, and basis of evaluation for Cash Matching Funds.**

N/A



**- Provide description, calculation, and basis of evaluation for In-Kind Matching Funds.**

N/A

**9. Construction**

**- Provide description of estimated fees, explanation of proposed services, state whether the work is being completed by the applicant or an outside contractor, and additional information as needed.** Construction costs of **\$52,903,255** were identified as the cost of construction materials, aerial and buried construction cost and are estimated based on comparable budgetary costs per mile from similar projects. The categories from the Detail of Project Costs for allocation are as follows:

Aerial Fiber Plant = 366.6 miles @ \$21,469.00 /mi =	<b>\$ 7,870,548</b>
Buried Fiber Plant = 144.2 miles @ \$155,192.90 /mi =	<b>\$22,378,822</b>
Rock Adder = 26.2 miles @ \$50,105.50 /mi =	<b>\$1,312,763</b>
Pole Make Ready = 937.1 poles @ \$112.8 /pole =	<b>\$105,716</b>
Pole Change Out = 440 poles @ \$3108.30 /pole =	<b>\$1,367,657</b>
MW Towers = 2ea. @ \$428,372.50	<b>\$856,745</b>
Cash Construction Match =	<b>\$4,026,409</b>
In-Kind Construction Match =	<b>\$12,401,874</b>
Fiber Installation Match =	<b>\$123,201</b>
WA State Sales Tax =	<b>\$2,437,947</b>

Fiber and cable costs are based on the following construction criteria that will be prepared in a standard RUS construction contract. These criteria include costs to accommodate extremely difficult terrain with narrow construction corridors, rock anticipated in the areas of construction path, pole make ready for aerial construction and managing the automobile and truck traffic around the construction activity. Double armored shielded cable is required due to gophers, birds and basalt rock to preserve the life of the cable. Also accounted for are factors involving increased labor costs and time to construct in “built-up” areas that can be significantly more than building along open highways. Another factor that must be considered in the overall construction costs is the layout of the locations to be connected to the network. Many of these communities have limited options to reach them because mountains, rivers, etc. allow only one or two roads to these communities, often through very restricted conditions.



Aerial and underground construction costs include the following RUS based construction units for: cable placement, rock, cable duct, splicing, handholes, splice cases, fiber locate markers, strand, aerial storage devices, pole survey, pole make ready, and vaults. Microwave towers will require a site survey, path analysis, monopole structural analysis and tower erection. NoaNet anticipates that all the work will be performed by contractors awarded through a competitive bidding process with proven history in constructing similar projects, with sufficient cash flow, bonding capabilities, insurance and supervisory resources.

**Provide description, calculation, and basis of evaluation for Cash Matching Funds.**

Cash matching funds are anticipated to be applied to construction materials and will be purchased and the materials delivered as needed to the secure contractor warehouse facilities. A portion of the direct expense associated application preparation is being used as a cash contribution for construction. The Cash matching funds of \$4,149,610 come from the following entities:

Table 6 – Construction Cash Match

Contributor	Cash Match
North Central (Tonasket to Ione) - NN, OKPUD, POPUD	\$333,786
Jefferson PUD/City of Port Townsend	\$736,745
Kitsap PUD	\$197,569
City of Port Angeles	\$123,201
SawNet/Clark	\$50,000
Benton PUD	\$348,813
Stevens PUD	\$124,000
Application Prep support	\$735,496
Grand Total	\$4,149,610

**Provide description, calculation, and basis of evaluation for In-Kind Matching Funds.**

In-Kind matching funds derived through planned use of preexisting facilities totaling \$12,401,874 were contributed based on depreciated values of existing outside plant infrastructure provided by the entities in the following table.

Table 7 – Construction In-Kind Match

Contributor	In-Kind Match
North Central (Tonasket to Ione) - NN, OKPUD, POPUD	\$2,985,000
Jefferson PUD/City of Port Townsend	\$783,093
Kitsap PUD	\$4,917,700
Pend Oreille	\$5,000



Black Rock Cable	\$1,468,800
Tulalip Tribe	\$357,480
SawNet/Clark	\$150,000
Benton PUD	\$1,369,801
Stevens PUD	\$80,000
Application Prep support	\$285,000
Grand Total	\$12,401,874

These numbers represent the summary allocation of the sub recipients' in-kind contribution by the class of assets as shown in the Detail of Project Costs Outside Plant section. These depreciated outside plant assets are to be made available by the entities and do not affect the construction fees. These in-kind contributions represent the depreciated value of outside plant required for connecting the new network segments from the project into existing NoaNet structures through these networks. A portion of the direct expense associated application preparation is being used as in-kind support for construction.

**10. Equipment**

**- Provide list of equipment with description, number of units, unit cost, state whether it is being purchased or leased, and additional information as needed.**

The total equipment list for **\$15,239,344** includes the following items: Switching (9 nodes @ \$10,223 ea.= \$92,007); Edge Routers (2 units @ 44,745 = \$89,490); Mesh Wireless Access Points (240 nodes @ \$15,451.65 ea.= \$3,708,397); Public Safety wireless mobile VPN solution \$25,339); Mesh Network Management Server (\$57,800); End User Equipment (144 units @ \$3254 ea. = \$468,600); Layer 3 equipment applications including switches and routers (\$645,300); Layer 1 Equipment (\$2,801,200); Layer 2 Equipment (\$1,701,030); and Microwave Radios (\$977,800). A combined cash match (\$1,043,536) is provided as well as existing operating equipment (\$3,628,845) provided as an In-Kind match. These items are shown on the Detail of Project Costs under Network and Access Equipment and are based on costs derived from similar projects. NoaNet anticipates that all the equipment will be procured from contractors awarded through a bidding process with proven history in similar projects, with sufficient cash flow, bonding capabilities, insurance and supervisory resources.

**- Provide description, calculation, and basis of evaluation for Cash Matching Funds.**

The Port of Angeles intends to provide a cash match for equipment as follows in Table 8:

Table 8 Port of Angeles Equipment Cash Match

Title	Total
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Public Safety VPN Solution	\$16,136
Public Safety Mobile Wireless Routers	\$428,400
Residential Wireless CPE	\$168,000
Residential Wireless CPE Spares	\$32,000
Total Cash Matching	\$644,536

Table 9 shows the cash matches for equipment from all the sub recipients.

Table 9 – Total Cash Match for Equipment

Participate	Total
NoaNet	\$150,000
Kitsap PUD	\$105,000
SawNet/Clark	\$18,000
Stevens PUD	\$126,000
Port of Angeles	\$644,536
Total Cash Matching	\$1,043,536

**- Provide description, calculation, and basis of evaluation for In-Kind Matching Funds.**

In-Kind matching funds derived through planned use of pre-existing facilities total \$3,628,845 which is the summary of contributions from participants. The equipment in-kind contributions are listed under Equipment Other Existing Equipment. The contributions for NoaNet of \$1,717,683, North Central of \$1,071,550, Kitsap PUD of \$125,000, Pend Oreille of \$25,100, Tulalip Tribe of \$258,180, SawNet/Clark of \$65,000, ESD-105 of \$24,959, Benton PUD of \$296,173, and Kalispel Tribe of \$45,200 are the depreciated equipment assets that are to be made available by the entities and do not affect the direct equipment fees. These in-kind contributions represent the depreciated value of electronics equipment required for connecting the high capacity bandwidth in the new network segments from the project into existing NoaNet bandwidth infrastructure.



**11. Miscellaneous**

- **Provide additional information as needed.** Miscellaneous costs of \$54,000 are identified as the eligible cost of preparation of the BTOP application per the NOFA. These are actual costs based on direct billing for preparation of the BTOP grant application and are shown in the Detail of Project Costs under Professional Services.

- **Provide description, calculation, and basis of evaluation of Cash Matching Funds.**

The City of Port Angeles intends to provide a cash match for grant application consultant support as follows in Table 10:

Table 10 City of Port Angeles Cash Match for Grant Application Development

Title	Hours per Month	Months	Rate	Total
Grant Application Consultancy Support	10	36	\$150	\$54,000
Total Cash Matching				\$54,000

**Provide description, calculation, and basis of evaluation of In-Kind Matching Funds.**  
N/A

**Addendum**

- **If indirect costs (i.e., indirect, overhead, general and administrative, facilities and administration, etc.) and/or fringe benefits are included in the budget, please provide a copy of your existing Negotiated Indirect Cost Recovery Agreement (NICRA), if available. If the NICRA is applied accordingly in the budget, there is no need to justify the costs. If a NICRA is not available or is not consistent with the rates/calculations in the budget, please provide an explanation of how the amounts were calculated. Please clearly list the manner in which indirect costs are calculated in the budget.**

There are no indirect costs included the project budget.



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**U.S. Department of Commerce**  
**Broadband Technology Opportunities Program**  
**Authentication and Certifications**

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1. I certify that I am the duly Authorized Organization Representative (AOR) of the applicant organization, and that I have been authorized to submit the attached application on its behalf.
2. I certify that I have examined this application, that all of the information and responses in this application, including certifications, and forms submitted, all of which are part of this grant application, are material representations of fact and true and correct to the best of my knowledge, that the entity(ies) that is requesting grant funding pursuant to this application and any subgrantees and subcontractors will comply with the terms, conditions, purposes, and federal requirements of the grant program; that no kickbacks were paid to anyone; and that a false, fictitious, or fraudulent statements or claims on this application are grounds for denial or termination of a grant award, and/or possible punishment by a fine or imprisonment as provided in 18 U.S.C. §1001 and civil violations of the False Claims Act.
3. I certify that the entity(ies) I represent have and will comply with all applicable federal, state, and local laws, rules, regulations, ordinances, codes, orders and programmatic rules and requirements relating to the project. I acknowledge that failure to do so may result in rejection or deobligation of the grant or loan award. I acknowledge that failure to comply with all federal and program rules could result in civil or criminal prosecution by the appropriate law enforcement authorities.
4. I certify that the entity(ies) I represent has and will comply with all applicable administrative and federal statutory, regulatory, and policy requirements set forth in the Department of Commerce Pre-Award Notification Requirements for Grants and Cooperative Agreements (“DOC Pre-Award Notification”), published in the Federal Register on February 11, 2008 (73 FR 7696), as amended; DOC Financial Assistance Standard Terms and Conditions (Mar. 8, 2009); the Department of Commerce American Recovery and Reinvestment Act Award Terms (Apr. 9, 2009); and any Special Award Terms and Conditions that are included by the Grants Officer in the award.
5. I certify that any funds awarded to the entity(ies) I represent as a result of this application will not result in any unjust enrichment of such entity(ies) or duplicate any funds such entity(ies) receive under federal universal service support programs administered by the Universal Service Administrative Corporation (USAC).
6. I certify that the entity(ies) I represent has secured access to pay the 20% of total project cost or has petitioned the Assistant Secretary of NTIA for a waiver of the matching requirement.

March 26, 2010

Date



Authorized Organization Representative Signature

David H. Spencer

Print Name

Chief Operating Officer/Treasurer

Title

## **BTOP Comprehensive Community Infrastructure Detailed Budget**

Please complete the General Budget Overview and Detailed Project Costs worksheets.

***Please refer to the Comprehensive Community Infrastructure Grant Guidance for detailed instructions on the completing this upload.***

Applicants are required to provide this upload as an Excel file, and not to convert it to a PDF prior to upload. Applicants should not alter the layout of the provided templates, except to insert additional line-items as needed in the Detailed Project Costs worksheet.

## General Budget Overview

Budget	Federal Funding Request	Matching Funds (Cash)	Matching Funds (In-Kind)	Budget TOTAL	Last Mile Allocation	Middle Mile Allocation	Allocated TOTAL
Network & Access Equipment (switching, routing, transport, access)	\$10,040,563	\$415,136	\$3,628,845	<b>\$14,084,544</b>	\$6,409,723.28	\$7,674,821.00	<b>\$14,084,544</b>
Outside Plant (cables, conduits, ducts, poles, towers, repeaters, etc.)	\$33,892,251	\$4,149,610	\$12,401,874	<b>\$50,443,735</b>	\$123,201.00	\$50,320,534.42	<b>\$50,443,735</b>
Buildings and Land – (new construction, improvements, renovations, lease)	\$103,573	\$150,000	\$2,018,722	<b>\$2,272,295</b>	\$0.00	\$2,272,295.30	<b>\$2,272,295</b>
Customer Premise Equipment (modems, set-top boxes, inside wiring, etc.)	\$468,600	\$628,400	\$0	<b>\$1,097,000</b>	\$720,800.00	\$376,200.00	<b>\$1,097,000</b>
Billing and Operational Support Systems (IT systems, software, etc.)	\$57,800	\$0	\$0	<b>\$57,800</b>	\$57,800.00	\$0.00	<b>\$57,800</b>
Operating Equipment (vehicles, office equipment, other)	\$0	\$0	\$0	<b>\$0</b>	\$0.00	\$0.00	<b>\$0</b>
Engineering/Professional Services (engineering design, project management, consulting, etc.)	\$7,452,813	\$328,992	\$0	<b>\$7,781,805</b>	\$328,992.00	\$7,452,813.00	<b>\$7,781,805</b>
Testing (network elements, IT system elements, user devices, test generators, lab furnishings, servers/computers, etc.)	\$0	\$0	\$0	<b>\$0</b>	\$0.00	\$0.00	<b>\$0</b>
Site Preparation		\$0	\$0	<b>\$0</b>	\$0.00		<b>\$0</b>
Other	\$3,265,197	\$0	\$0	<b>\$3,265,197</b>		\$3,265,197.00	<b>\$3,265,197</b>
<b>TOTAL BROADBAND SYSTEM:</b>	<b>\$55,280,797</b>	<b>\$5,672,138</b>	<b>\$18,049,442</b>	<b>\$79,002,377</b>	<b>\$7,640,516</b>	<b>\$71,361,861</b>	<b>\$79,002,377</b>
<b>Cost Share Percentage:</b>	<b>69.97%</b>	<b>7.18%</b>	<b>22.85%</b>				

## DETAIL OF PROJECT COSTS

PLEASE COMPLETE THE TABLE BELOW FOR THE DIFFERENT CATEGORIES OF EQUIPMENT THAT WILL BE REQUIRED FOR COMPLETING THE PROJECT. EACH CATEGORY SHOULD BE BROKEN DOWN TO THE APPROPRIATE LEVEL FOR IDENTIFYING UNIT COST

SERVICE AREA or COMMON NETWORK FACILITIES:		Match (Cash/In-kind)	Unit Cost	No. of Units	Total Cost	Last Mile Allocation	Middle Mile Allocation	Allocated Total	SF-424C Budget Category	Support of Reasonableness
<b>NETWORK &amp; ACCESS EQUIPMENT</b>					<b>\$14,084,544</b>	<b>\$6,409,723</b>	<b>\$7,674,821</b>	<b>\$14,084,544</b>		
<b>Switching</b>	City Anchor Site/Base Station Switch			9	\$ 92,007	\$ 46,003	\$ 46,004	\$92,007	10. Equipment	Based on recent quotes
				0	\$ -	\$ -	\$ -	\$0		
				0	\$ -	\$ -	\$ -	\$0		
<b>Routing</b>	City Core Site Edge Router			2	\$ 89,490	\$ -	\$ 89,490	\$89,490	10. Equipment	Based on recent quotes
				0	\$ -	\$ -	\$ -	\$0		
				0	\$ -	\$ -	\$ -	\$0		
<b>Transport</b>	Layer 1 Equipment			0	\$ 2,801,200	\$ -	\$ 2,801,200	\$2,801,200	10. Equipment	Based on recent quotes
	Layer 3 Equipment			0	\$ 645,300	\$ -	\$ 645,300	\$645,300	10. Equipment	Based on recent quotes
	Microwave Radios			0	\$ 977,800	\$ -	\$ 977,800	\$977,800	10. Equipment	Based on recent quotes
				0	\$ -	\$ -	\$ -	\$0		
<b>Access</b>	Mesh Wireless Access Point (WAP)			240	\$ 3,708,397	\$ 2,294,400	\$ 1,413,997	\$3,708,397	10. Equipment	Based on recent quotes
	Layer 2 Equipment			0	\$ 1,701,030	\$ -	\$ 1,701,030	\$1,701,030	10. Equipment	Based on recent quotes
				0	\$ -	\$ -	\$ -	\$0		
<b>Other</b>	Public Safety wireless mobile VPN solution			1	\$ 25,339	\$ 25,339	\$ -	\$25,339	10. Equipment	Based on recent quotes
	Equipment Match Cash	Cash Match		1	\$ 399,000	\$ 399,000	\$ -	\$399,000	10. Equipment	Cash Match
	Equipment Match In-Kind	In-kind Match		1	\$ 3,628,845	\$ 3,628,845	\$ -	\$3,628,845	10. Equipment	In-Kind Match
	Public Safety wireless mobile VPN solution	Cash Match		1	\$ 16,136	\$ 16,136	\$ -	\$16,136	10. Equipment	Cash Match
				0	\$ -	\$ -	\$ -	\$0		
<b>OUTSIDE PLANT</b>					<b>\$50,443,735</b>	<b>\$123,201</b>	<b>\$50,320,534</b>	<b>\$50,443,735</b>		
<b>Cables</b>	Aerial Fiber Plant		21,469.0	366.6	\$ 7,870,548	\$ -	\$ 7,870,548	\$7,870,548	9. Construction	Derived from recent projects
	Buried Fiber Plant		155,192.9	144.2	\$ 22,378,822	\$ -	\$ 22,378,822	\$22,378,822	9. Construction	Derived from recent projects
				0	\$ -	\$ -	\$ -	\$0		
<b>Conduits</b>				0	\$ -	\$ -	\$ -	\$0		
				0	\$ -	\$ -	\$ -	\$0		
				0	\$ -	\$ -	\$ -	\$0		
<b>Ducts</b>	Buried duct			0	\$ -	\$ -	\$ -	\$0		
				0	\$ -	\$ -	\$ -	\$0		
				0	\$ -	\$ -	\$ -	\$0		
<b>Poles</b>	Make-Ready Poles		112.8	937.1	\$ 105,716	\$ -	\$ 105,716	\$105,716	9. Construction	Derived from recent projects
	Change-out Pole		3,108.3	440.0	\$ 1,367,657	\$ -	\$ 1,367,657	\$1,367,657	9. Construction	Derived from recent projects
				0	\$ -	\$ -	\$ -	\$0		
<b>Towers</b>	MW Tower		428372.5	2	\$ 856,745	\$ -	\$ 856,745	\$856,745	9. Construction	Derived from recent projects
				0	\$ -	\$ -	\$ -	\$0		
				0	\$ -	\$ -	\$ -	\$0		
<b>Repeaters</b>				0	\$ -	\$ -	\$ -	\$0		
				0	\$ -	\$ -	\$ -	\$0		
				0	\$ -	\$ -	\$ -	\$0		
<b>Other</b>	Fiber Installation Charge for connection	Cash Match		9	\$ 123,201	\$ 123,201	\$ -	\$123,201	9. Construction	Cash Match
	OSP Match Cash	Cash Match		1	\$ 4,026,409	\$ -	\$ 4,026,409	\$4,026,409	9. Construction	Cash Match
	OSP Match In-Kind	In-kind Match		1	\$ 12,401,874	\$ -	\$ 12,401,874	\$12,401,874	9. Construction	In-Kind Match
	Rock		50,105.5	26.2	\$ 1,312,763	\$ -	\$ 1,312,763	\$1,312,763	9. Construction	Derived from recent projects

				0	\$	-	\$	-	\$	-	\$0		
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or COMMON		Match (Cash/In-	Unit Cost	No. of	Total Cost	Last Mile	Middle Mile	Allocated Total	SF-424C Budget	Support of Reasonableness
<b>BUILDINGS</b>					<b>\$2,272,295</b>	<b>\$0</b>	<b>\$2,272,295</b>	<b>\$2,272,295</b>		
New Construction				0	\$ -	\$ -	\$ -	\$0		
				0	\$ -	\$ -	\$ -	\$0		
				0	\$ -	\$ -	\$ -	\$0		
Pre-Fab Huts	Pre fabs for MW			1	\$ 82,000	\$ -	\$ 82,000	\$82,000	2. Land, structures	Derived from recent projects
				0	\$ -	\$ -	\$ -	\$0		
Improvements &				0	\$ -	\$ -	\$ -	\$0		
				0	\$ -	\$ -	\$ -	\$0		
				0	\$ -	\$ -	\$ -	\$0		
Other	Site Land			0	\$ -	\$ -	\$ -	\$0	2. Land, structures	
	ROW Land			0	\$ 21,573	\$ -	\$ 21,573	\$21,573	5. Other archit. and	Derived from recent projects
	Buildings Match Cash	Cash Match		1	\$ 150,000	\$ -	\$ 150,000	\$150,000	2. Land, structures	Cash Match
	Buildings Match In-Kind	In-kind Match		1	\$ 2,018,722	\$ -	\$ 2,018,722	\$2,018,722	2. Land, structures	In-Kind Match
				0	\$ -	\$ -	\$ -	\$0		
<b>CUSTOMER PREMISE EQUIPMENT</b>					<b>\$1,097,000</b>	<b>\$720,800</b>	<b>\$376,200</b>	<b>\$1,097,000</b>		
Modems				0	\$ -	\$ -	\$ -	\$0		
	Public Safety mobile wireless rou	Cash Match		119	\$ 428,400	\$ 428,400	\$ -	\$428,400	10. Equipment	Cash Match
				0	\$ -	\$ -	\$ -	\$0		
				0	\$ -	\$ -	\$ -	\$0		
	Residential Wireless CPE	Cash Match		800	\$ 168,000	\$ 168,000	\$ -	\$168,000	10. Equipment	Cash Match
	Residential Wireless CPE spares	Cash Match		200	\$ 32,000	\$ 32,000	\$ -	\$32,000	10. Equipment	Cash Match
Set Top Boxes				0	\$ -	\$ -	\$ -	\$0		
				0	\$ -	\$ -	\$ -	\$0		
				0	\$ -	\$ -	\$ -	\$0		
Inside Writing				0	\$ -	\$ -	\$ -	\$0		
				0	\$ -	\$ -	\$ -	\$0		
				0	\$ -	\$ -	\$ -	\$0		
Other	End-User Gear		3,254.2	144	\$ 468,600	\$ 92,400	\$ 376,200	\$468,600	10. Equipment	Derived from recent projects
				0	\$ -	\$ -	\$ -	\$0		
				0	\$ -	\$ -	\$ -	\$0		
<b>BILLING SUPPORT AND OPERATIONS SUPPORT SYSTEMS</b>					<b>\$57,800</b>	<b>\$57,800</b>	<b>\$0</b>	<b>\$57,800</b>		
Billing Support				0	\$ -	\$ -	\$ -	\$0		
				0	\$ -	\$ -	\$ -	\$0		
				0	\$ -	\$ -	\$ -	\$0		
Customer Care				0	\$ -	\$ -	\$ -	\$0		
				0	\$ -	\$ -	\$ -	\$0		
				0	\$ -	\$ -	\$ -	\$0		
Other Support	Mesh Wireless Network Management and Monitoring Server			1	\$ 57,800	\$ 57,800	\$ -	\$57,800	10. Equipment	Derived from recent projects
				0	\$ -	\$ -	\$ -	\$0		
				0	\$ -	\$ -	\$ -	\$0		

or COMMON		Match (Cash/In-	Unit Cost	No. of	Total Cost	Last Mile	Middle Mile	Allocated Total	SF-424C Budget	Support of Reasonableness
<b>OPERATING EQUIPMENT</b>					<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>		
Vehicles				0	\$ -	\$ -	\$ -	\$0		
				0	\$ -	\$ -	\$ -	\$0		
				0	\$ -	\$ -	\$ -	\$0		
Office Equipment				0	\$ -	\$ -	\$ -	\$0		
				0	\$ -	\$ -	\$ -	\$0		
				0	\$ -	\$ -	\$ -	\$0		
Other				0	\$ -	\$ -	\$ -	\$0		
				0	\$ -	\$ -	\$ -	\$0		
				0	\$ -	\$ -	\$ -	\$0		
<b>PROFESSIONAL SERVICES</b>					<b>\$7,781,805</b>	<b>\$328,992</b>	<b>\$7,452,813</b>	<b>\$7,781,805</b>		
Engineering	Project Engineering			0	\$ 3,811,854	\$ -	\$ 3,811,854	\$3,811,854	4. Architectural and	Derived from recent projects
	Project Engineering Consultancy	Cash Match		500	\$ 75,000	\$ 75,000	\$ -	\$75,000	4. Architectural and	Cash Match
				0	\$ -	\$ -	\$ -	\$0		
Project	Project Management			0	\$ 3,619,386	\$ -	\$ 3,619,386	\$3,619,386	4. Architectural and	Derived from recent projects
	City Project Manager (0.5 FTE m	Cash Match		24	\$ 120,000	\$ 120,000	\$ -	\$120,000	1. Admin and Legal	Cash Match
	Public Safety Project Coordinato	Cash Match		24	\$ 79,992	\$ 79,992	\$ -	\$79,992	1. Admin and Legal	Cash Match
Consulting				0	\$ -	\$ -	\$ -	\$0	11. Misc.	
	Grant application consultant sup	Cash Match		360	\$ 54,000	\$ 54,000	\$ -	\$54,000	11. Misc.	Cash Match
				0	\$ -	\$ -	\$ -	\$0		
Other	ROW Agents			0	\$ 21,573	\$ -	\$ 21,573	\$21,573	9. Construction	Derived from recent projects
				0	\$ -	\$ -	\$ -	\$0		
	BTOP Application Expenses			0	\$ -	\$ -	\$ -	\$0	11. Misc.	
<b>TESTING</b>					<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>		
Network				0	\$ -	\$ -	\$ -	\$0		
				0	\$ -	\$ -	\$ -	\$0		
				0	\$ -	\$ -	\$ -	\$0		
IT System				0	\$ -	\$ -	\$ -	\$0		
				0	\$ -	\$ -	\$ -	\$0		
				0	\$ -	\$ -	\$ -	\$0		
User Devices				0	\$ -	\$ -	\$ -	\$0		
				0	\$ -	\$ -	\$ -	\$0		
				0	\$ -	\$ -	\$ -	\$0		
Test Generators				0	\$ -	\$ -	\$ -	\$0		
				0	\$ -	\$ -	\$ -	\$0		
				0	\$ -	\$ -	\$ -	\$0		
Lab				0	\$ -	\$ -	\$ -	\$0		
				0	\$ -	\$ -	\$ -	\$0		
				0	\$ -	\$ -	\$ -	\$0		
Servers/Computer				0	\$ -	\$ -	\$ -	\$0		
				0	\$ -	\$ -	\$ -	\$0		
				0	\$ -	\$ -	\$ -	\$0		

or COMMON		Match (Cash/In-	Unit Cost	No. of	Total Cost	Last Mile	Middle Mile	Allocated Total	SF-424C Budget	Support of Reasonableness
<b>OTHER UPFRONT COSTS</b>					<b>\$3,265,197</b>	<b>\$0</b>	<b>\$3,265,197</b>	<b>\$3,265,197</b>		
<b>Site Preparation</b>				0	\$ -	\$ -	\$ -	\$0		
				0	\$ -	\$ -	\$ -	\$0		
				0	\$ -	\$ -	\$ -	\$0		
<b>Other</b>	WA State Business & Occupation Tax & Administrative Expense			0	\$ 827,250	\$ -	\$ 827,250	\$827,250	1. Admin and Legal	Based on recent experience
	WA State Sales Tax			0	\$ 2,437,947	\$ -	\$ 2,437,947	\$2,437,947	9. Construction	Based on recent experience
	Preliminary Cash Match						\$ -	\$0	11. Misc.	
	Preliminary In-Kind Match						\$ -	\$0	11. Misc.	
					0	\$ -	\$ -	\$0		
<b>PROJECT TOTAL:</b>					<b>\$79,002,377</b>	<b>\$7,640,516</b>	<b>\$71,361,861</b>	<b>\$79,002,377</b>		

<b>Cross-check Totals</b>	
<b>1. Admin and Legal</b>	\$1,027,242
<b>2. Land, structures</b>	\$2,250,722
<b>3. Relocation exper</b>	\$0
<b>4. Architectural and</b>	\$7,506,240
<b>5. Other archit. and</b>	\$21,573
<b>6. Inspection fees</b>	\$0
<b>7. Site work</b>	\$0
<b>8. Demolition/remc</b>	\$0
<b>9. Construction</b>	\$52,903,255
<b>10. Equipment</b>	\$15,239,344
<b>11. Misc.</b>	\$54,000

<b>Matching Contribution Cross-check Totals</b>	
<b>Federal Funding Request</b>	\$55,280,797
<b>Cash Match Contribution</b>	\$5,672,138
<b>In-kind Match Contribution</b>	\$18,049,442

Approach to allocating Last Mile and Middle Mile costs:



STEVENS PUBLIC UTILITY DISTRICT  
P O Box 592  
LOON LAKE WA 99148-0592  
cwillis@stevenspubd.org

OFFICE: 509-233-2534  
OR 684-7621  
FAX: 509-233-2809  
TTY SERVICE: 1-800-855-1155



COMMISSIONERS:  
WADE A. CARPENTER  
C. LLOYD HENRY  
HOWIE D. KUBIK

GENERAL MANAGER/ENGINEER:  
RICHARD C.R. PRICE, P.E.  
OPERATIONS MANAGER:  
LARRY ISAAK

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March 9, 2010

Mr. Mike Henson  
NoaNet  
5808 Overlook Avenue  
Tacoma WA 98422


Subject: Proposed NTIA BTOP Northern Tier Funding Application


This letter is the commitment of the Public Utility District No. 1 of Stevens County to participate as a named applicant for funding the proposed NoaNet Broadband Infrastructure Project. This Project will provide broadband infrastructure to unserved and underserved areas with anchor institutions inside our rural Stevens County.

Our utility is committed to a \$380,000 in cash and in-kind contribution for the project.

This proposed Project also has the full support of the Stevens County Commissioners, because they also see the great potential positive economic impact that high-speed Internet will have in rural Stevens County.

P.U.D. NO. 1 BOARD OF COMMISSIONERS

  
C. Lloyd Henry  
President of the Board

  
Howie Kubik  
Vice President of the Board

  
Wade Carpenter  
Secretary of the Board



# BLACK ROCK CABLE

FIBER-BASED COMMUNICATION  
SERVICES AND SOLUTIONS

March 26, 2010

Attn: Mike Henson  
NoaNet

Mike,

Black Rock is planning to participate as the owner of fiber infrastructure to be deployed to Monroe. Black Rock is committed to a contribution of \$1,530.00 cash if NoaNet is awarded the grant.

These services are incremental to the entire fiber infrastructure that Black Rock currently supports and maintains.

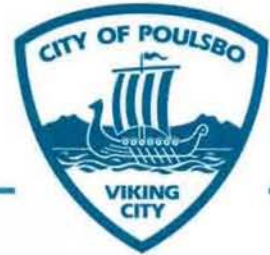
Let me know if you need anything else.

thanks,

Bob Warshawer  
Black Rock Cable  
1512 Fairview St.  
Bellingham, WA 98229  
360.738.3116  
bobw@blackrockcable.com

# City of Poulsbo

Rebecca Erickson, Mayor



March 5, 2010

Department of Commerce  
National Telecommunications and Information Administration  
Broadband Technologies Opportunity Program

Re: NTIA National Broadband Technology Opportunity Program (BTOP) Application

Dear Ladies and Gentlemen,

I am writing in support of the joint application for grant funding for Kitsap County Kit-Net Care-Net. My community of Poulsbo is a small town (population 8,855) located at the north end of Kitsap County, Washington. Kitsap County is a rural county but within easy commuting distance (by ferry) from the Seattle Tacoma metropolitan area of Washington State. We are a bedroom community for both our large urban center and several large naval bases located within Kitsap.

Kitsap County is a large peninsula located in Puget Sound. We are surrounded by water. It is vital that we have the ability to communicate internally within the County. The receipt of these grant funds means hardware redundancy and data security for my town. With these funds, we will realize a secure data and voice connection (VoIP phones) among the jurisdictions within Kitsap in the unhappy event of a true emergency: earthquake, major storm or some other form of catastrophe. It will support fiber connection into our emergency operations center.

Additionally it will support broadband access into our regional library system. When you live on a peninsula, local information sources become very important. Our citizens rely on our regional library system for information to support their families, to reach out to those that live outside our community. Our libraries are our community hubs for our senior citizens and young people. With fast internet connectivity, we will have the ability to deploy distance learning activities from our library system and support our citizen's communication needs.

The investment our County is making in this grant is real and important to our town. In these very troubling economic times with very tight budget constraints, we are willing to pay our fair share among our sister jurisdictions to ensure this very important communication link is improved and made secure through redundant deployment of fiber and improved hardware. The city is committed to contributing \$5000 over three years. Thank you in advance for your consideration.

Sincerely,

A handwritten signature in black ink, appearing to read "Becky Erickson".

Rebecca (Becky) Erickson  
Mayor

PUBLIC UTILITY DISTRICT  
CONNECTING KITSAP

KITSAP PUD  
1431 FINN HILL ROAD  
PO BOX 1989  
POULSBO, WA 98370  
360.779.7656  
FAX 360.779.3284

March 25, 2010

Lawrence E. Strickling, Assistant Secretary  
Broadband Technology Opportunities Program  
National Telecommunications and Information Administration  
U.S. Department of Commerce  
HCHB Room 4812  
1401 Constitution Avenue, NW  
Washington, DC 20230

RE: NTIA BTOP EasyGrants ID # 5376 General Manager Statement of Commitment

Dear Mr. Strickling:

Please consider this letter as the Kitsap County Public Utility District No.1's commitment to be a named applicant in the above named NTIA BTOP Round 2 Application. Furthermore, the District will commit the resource levels stated below to support our portion of Application 5376 for federal stimulus dollars to pursue the installation of fiber optic facilities to unserved and underserved areas with anchor institutions within the District's service area.

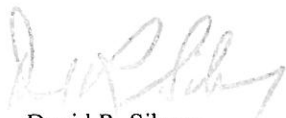
The Project within Kitsap County represents the District's commitment to continual pursuit of efficiency and reliability in our service to the citizens and businesses of our community. Our rural service area spans more than 430 square miles. The District has integrated telecommunications into our Utility Operations to improve Water Systems operations as well as to provide broadband to rural populations of the County.

The District is committed to an existing depreciated asset in-kind contribution of \$5,177,700 and a maximum cash contribution of \$ 250,000 as detailed in the application for broadband implementation to these underserved communities over the next 2 ½ years. The receipt of the federal matching grant funds will enable the project, which would otherwise not be accomplished due to lack of funding, to provide infrastructure of significant importance to our citizens, businesses and tribal nations living and working in our community that are greatly affected by the current economic downturn.

The District's Board of Commissioners supports the budgetary allocations for the District's participation in the NTIA BTOP Round 2 Application, should the Application be successful.

On behalf of Kitsap County Public Utility District No. 1, it is our sincere commitment to fully dedicate the resources as stated above to facilitate the timely and successful completion of the project within Kitsap County.

Sincerely,



David R. Siburg  
General Manager





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

March 26, 2010

RE: NTIA BTOP EasyGrants ID # 5376

**General Manager Statement of Commitment**

Please consider this letter as the Okanogan County Public Utility District's commitment to be a named applicant in the above named NTIA BTOP Round 2 Application. Furthermore, the District will commit the resource levels stated below to support our portion of Application 5376 for federal stimulus dollars to pursue the installation of fiber optic facilities to unserved and underserved areas with anchor institutions within the District's service area.

The Project within the Okanogan County represents the District's commitment to continual pursuit of efficiency and reliability in our service to the people and businesses of our communities. Our rural service area spans more than 1,400 square miles. The District has integrated telecommunications into our Utility to improve electrical operations as well as to provide broadband to rural populations of the County.

The District is committed to an existing in-kind contribution of \$2,719,247.84 as detailed in the application for broadband implementation to these underserved communities over the next 2 ½ years. The receipt of the federal matching grant funds will enable the project, which would otherwise not be accomplished due to lack of funding, to provide infrastructure of significant importance to our customers living in the communities and tribal nations greatly affected by the current economic downturn.

The District's Board of Commissioners holds final authority to approve budgetary allocations for P.U.D. operations. However, as General Manager it is my responsibility for making the decisions necessary to recommend organizational resources essential to appropriately support project tasks.

On behalf of Okanogan Public Utility District, it is our sincere commitment to fully dedicate the resources as stated above to facilitate the timely and successful completion of the project within Okanogan County.

Sincerely,

John R. Grubich  
General Manager  
Okanogan County PUD No. 1