

RECIPIENT NAME:Nez Perce Tribe

AWARD NUMBER: NT10BIX5570123

DATE: 02/22/2013

OMB CONTROL NUMBER: 0660-0037

EXPIRATION DATE: 12/31/2013

QUARTERLY PERFORMANCE PROGRESS REPORT FOR BROADBAND INFRASTRUCTURE PROJECTS

General Information

1. Federal Agency and Organizational Element to Which Report is Submitted Department of Commerce, National Telecommunications and Information Administration	2. Award Identification Number NT10BIX5570123	3. DUNS Number 078208303
4. Recipient Organization Nez Perce Tribe 120 Bever Grade, Lapwai, ID 83540-0365		
5. Current Reporting Period End Date (MM/DD/YYYY) 12-31-2012	6. Is this the last Report of the Award Period? <input type="radio"/> Yes <input checked="" type="radio"/> No	
7. Certification: I certify to the best of my knowledge and belief that this report is correct and complete for performance of activities for the purposes set forth in the award documents.		
7a. Typed or Printed Name and Title of Certifying Official Christina St Germain Grant Writer	7c. Telephone (area code, number and extension) 2088437307 X3632	
	7d. Email Address chriss@nezperce.org	
7b. Signature of Certifying Official Submitted Electronically	7e. Date Report Submitted (MM/DD/YYYY): 02-22-2013	

Project Indicators (This Quarter)

1. Please describe significant project accomplishments completed during this quarter (600 words or less).

Construction of the project was completed in Q4 of 2012. Broadband connectivity is now available in the communities of Lapwai, Sweetwater, Myrtle, Arrow Junction, Culdesac, Reubens, Peck, Ahsahka, Riverside-Orofino, Fraser, Kamiah, Network Technicians are working across the Reservation to connect subscribers. As the technicians find areas where coverage is not available due to topographic features blocking line of sight connection project development staff are working with perspective partners to develop middle mile neighborhood solutions. The neighborhood solutions are short hops of middle mile using existing buildings (primarily rooftops) to establish a last mile connection point that fills in the service area gaps. During Q4 three such partnerships were established: Downtown Culdesac had significant blockage of signal by evergreen and deciduous trees; the local hotel/apartment complex was identified as a desirable location and the landowners were willing to allow a rooftop dish mount and equipment cabinet that enabled the network to serve residents and businesses along the Main street corridor. At Shenandoah, above Kamiah and at Webb, southwest of Lapwai, a group of community members requested we consider coverage in their rural/remote corner of the Reservation; Signal coverage from existing last mile sites was blocked by a tree covered ridge-line. In each location a willing homeowner allowed rooftop space for a dish mount and equipment to enable last mile delivery to the surrounding community.

At the KYE site, the last mile service continues to be interrupted by FM radio broadcast. Network Technicians are working on a variety of shielding solutions; ferrite beads for the cable and shielded antenna shields for the antenna themselves. In addition, development staff are working on options for a possible relocation to a rooftop in Kamiah to resolve the last mile delivery with a neighborhood solution.

Mobile service was brought on line in Culdesac-Winchester corridor, expanding service to four (4) public safety CAI's (ID State Police, Tribal Police, Nez Perce and Lewis County Sheriff).

A service agreement to serve Peck Elementary, Clearwater County Marine Sheriff and Ambulance Service was established; equipment procurement and the FCC 4.9 GHz licensing process are underway.

Budget Construction expenditures discrepancies between Q3 and Q4 reports result from a detailed, item by item review of the project expenses by Project Mgmt staff and Finance staff accountant. In the review we found a \$ 36,625 error, where BTOP had been charged for a non BTOP related expense. This error has been corrected but has resulted in an overall reduction in overall Construction line item expense documentation.

2. Please provide the percent complete for the following key milestones in your project. Write "0" in the Percent Complete column and "N/A" in the Narrative column if your project does not include this activity. If you provided additional milestones in your baseline plan, please insert them at the bottom of the table. Unless otherwise indicated in the instructions, figures should be reported cumulatively from award inception to the end of the most recent reporting quarter. Please provide a narrative description if the percent complete is different from the target provided in your baseline plan (300 words or less).

	Milestone	Percent Complete	Narrative (describe reasons for any variance from baseline plan or subsequent written updates provided to your program officer)
2a.	Overall Project	96	During Q4 the project infrastructure construction became in line with baseline; connections are lagging behind baseline and the last mile delivery interference at KIYE has caused the project to fall behind on end user connections. A marketing plan has been approved by Tribal Council and will be implemented. To date, ten (10) of the eleven (11) last mile sites are on line; two neighborhood solutions (Culdesac & Dumbo Flats) are on line and two will be completed early Q1 2013 (Shenandoah & Clearwater transfer).
2b.	Environmental Assessment	100	Complete
2c.	Network Design	100	Complete
2d.	Rights of Way	100	Complete
2e.	Construction Permits and Other Approvals	100	Complete
2f.	Site Preparation	100	Complete
2g.	Equipment Procurement	99	The KIYE tower last mile shielding devices are under investigation and procurement will be initiated Q1 2013. Identifying gap areas for last mile and developing solutions for service delivery.
2h.	Network Build (all components - owned, leased, IRU, etc)	100	Complete
2i.	Equipment Deployment	99	Deployment of neighborhood solutions is underway to fill in last mile service gaps.

	Milestone	Percent Complete	Narrative (describe reasons for any variance from baseline plan or subsequent written updates provided to your program officer)
2j.	Network Testing	99	Testing is underway on last mile sites; KIYE issues are expected to resolved early Q1 2013.
2k.	Other (please specify): Site lease agmts	100	Complete

3. To the extent not covered above, please describe any challenges or issues faced during this past quarter in achieving planned progress against the project milestones listed above. In particular, please identify any areas or issues where technical assistance from the BTOP program may be useful (600 words or less).

The lack of affordable non-line of sight last mile delivery options in broadband technology has set the project back as we discovered the challenging topography posed more service connection interference than originally anticipated. We investigated Cambium Networks non line of sight equipment but end user costs were prohibitive (\$ 1,000+).

We are interested in network with firms doing R&D in the lower spectrum and perhaps serve as a field testing ground for non-line of sight technologies being developed.

4. Please report the following information regarding network build progress. Write "0" in the Total column and "N/A" in the Narrative column if your project does not include this activity. Unless otherwise indicated in the instructions, figures should be reported cumulatively from award inception to the end of the most recent reporting quarter. Please provide a narrative description if the total is different from the target provided in your baseline plan (600 words or less).

Indicator	Total	Narrative (describe your reasons for any variance from the baseline plan or any other relevant information)
New network miles deployed	155	Completed primary middle mile network (152 miles); added 3.34 miles with deployment of two neighborhood solution sites (Culdesac & Dumbo Flats).
New network miles leased	0	NA
Existing network miles upgraded	0	NA
Existing network miles leased	0	NA
Number of miles of new fiber (aerial or underground)	0	NA
Number of new wireless links	16	Complete
Number of new towers	7	Complete
Number of new and/or upgraded interconnection points	16	Complete

For questions 5 and 6 please include information relating to agreements that you are negotiating or have entered into, or that your sub recipient, contractor or subcontractor is negotiating or entered into.

5a. If applicable, please provide the following information with regard to agreements with broadband wholesalers and/or last mile providers as a result of your project.

Indicators	
Number of signed agreements with broadband wholesalers or last mile providers	1
Number of agreements currently being negotiated with broadband wholesalers or last mile providers	0
Average term of signed agreements (in quarters)	20

5b. Please list the names of the wholesale and last mile providers with whom you have signed agreements (100 words or less). Providers: Washington RSA #8 Limited Partnership, dba Inland Cellular (5 year with option for additional 5 year term)

5c. What wholesale services are being provided by this project? Please describe below. As an attachment to this report, please provide pricing plans (in \$ per month) associated with each wholesale service provided by your product (100 words or less). Wholesale services description:

3 Mbps of dedicated Network bandwidth to support mobile voice and data service delivery in Culdesac-Winchester area.

5d. If you have designated a third party to operate all or a portion of your network, please provide the name and contact information for this third party, indicate if this entity is a sub recipient, contractor, and/or subcontractor, and describe with specificity the portion of your network this this third party operates (600 words or less).
 NA

6. Please provide the data according to the type of subscriber. Write "0" in the Total column and "N/A" in the Narrative column if your project does not pass or serve a particular subscriber type. Unless otherwise indicated in the instructions, figures should be reported cumulatively from award inception to the end of the most recent reporting quarter. Please provide a narrative description if the total is different from the target provided in your baseline plan (300 words or less).

Subscriber Type	Access Type	Total	Narrative (describe your reasons for any variance from the baseline plan or any other relevant information)
Broadband Wholesalers or Last Mile Providers	Providers with signed agreements receiving new access	1	Washington RSA #8 Limited Partnership, dba Inland cellular agreement for network bandwidth to facilitate cellular coverage expansion.
	Providers with signed agreements receiving improved access	0	NA
	Providers with signed agreements receiving access to dark fiber	0	NA
	Please identify the speed tiers that are available and the number of subscribers for each	3	3 Mbps - 1 10 Mbps - None 20 Mbps - None
Community Anchor Institutions (including Government institutions)	Total subscribers served	12	To date, Fixed broadband service delivered to: Lapwai Library(20 Mbps), Clearwater County (15 Mbps), Culdesac Library (6 Mbps), City of Culdesac (3 Mbps), Peck Library (6 Mbps), Sunnyside RFD (3 Mbps), City of Reubens (3 Mbps); and Mobile access provided to Idaho State Police, Nez Perce Tribal Police, Nez Perce and Lewis County Sheriff Dept and Culdesac QRU.
	Subscribers receiving new access	6	Mobile access is new in the Culdesac-Winchester corridor providing a boost to public safety along a treacherous section of the only N-S route (ID 95); and Sunnyside RFD had no previous access to broadband
	Subscribers receiving improved access	6	The projects connection to Libraries, City and County governments has provided more desirable service (more affordable, reliable and higher speed)
	Please identify the speed tiers that are available and the number or subscribers for each	4	3 Mbps - City of Culdesac, City of Reubens, Sunnyside RFD, ID State Police, Nez Perce Tribe Police, Nez Perce County Sheriff, Lewis County Sheriff, Culdesac QRU 6 Mbps - Culdesac & Peck Libraries 9 Mbps - None 10+ Mbps - Lapwai Library (20 M), Clearwater County (15M)
Residential / Households	Entities passed	3,610	We have met the overall Baseline objective fro Residences passed. Tower coverage: BioControl 411; Culdesac 349; TU 17 (94); Stoney Pt (60); Peck (250); Hubbard (853); Beard (25); TU 60 (409); KIYE (350); TU 64 (203); Mason Butte 606.
	Total subscribers served	372	Baseline projection was 460, so we are off 77 (2%). On average the field crew scheduling board has thirty (30) per week, and with travel time across the Reservation crews can connect three (3) per day. So, effectively we are just keeping up with demand with two field crews.
	Subscribers receiving new access	55	Baseline projection was 100. By partnering with and serving libraries we are facilitating broadband adoption on our rural communities which long term will lead to more first time subscribers.
	Subscribers receiving improved access	317	Baseline projections was 20, which we have exceeded.
	Please identify the speed tiers that are available and the number of subscribers for each	3	3 Mbps - 283 subscribers 6 Mbps - 73 subscribers 9 Mbps - 16 subscribers

Subscriber Type	Access Type	Total	Narrative (describe your reasons for any variance from the baseline plan or any other relevant information)
Businesses	Entities passed	286	Tower coverage: Biocontrol (23); Culdesac (18); Peck (13); Hubbard (94); Mason Butte (39); TU 17 (2); TU 60 (5); KIYE (93); TU 64 (5). Marketing plan implementation should increase business subscriptions.
	Total subscribers served	1	Baseline projection was 20. Project staff are prepared to conduct specific business targeted marketing efforts through print media as well as awareness campaigns through Chambers of Commerce and Economic Development groups.
	Subscribers receiving new access	0	Baseline projection was 0.
	Subscribers receiving improved access	1	Baseline projection was 20; a targeted marketing effort to make the business community aware of the service offered should boost subscriptions.
	Please identify the speed tiers that are available and the number of subscribers for each	4	3 Mbps - 0 6 Mbps - 1 9 Mbps - 0 10+ Mbps - 0

7. Please describe any special offerings you may provide (600 words or less).

We are working on a referral awards program for existing subscribers who recruit new subscribers. We expect to have a system in place by end of Q1 2013.

8a. Have your network management practices changed over the last quarter? Yes No

8b. If so, please describe the changes (300 words or less).

Field crew management and work order documentation have been in constant states of flux as we strive to develop an efficient system for field crew deployment; the Reservation distances to travel are slowing down productivity. We have developed a regionalized approach to field work so crews are not passing each other along the roadways or doing too much backtracking.

9. Community Anchor Institutions:

Using the table below, please provide a list by service area of the community anchor institutions (including Government institutions) connected to your network as a result of BTOP funds. Figures should be reported for the most recent reporting quarter only (NOT cumulatively). Also indicate whether your organization is currently providing broadband service to the anchor institution. Finally, provide a short narrative description with examples of how institutions are using BTOP-funded infrastructure (300 words or less).

Institution Name	Service Area (town or county)	Type of Anchor Institution (as defined in your baseline)	Are you also the broadband service provider for this institution? (Yes / No)	Narrative description of how anchor institutions are using BTOP-funded infrastructure
City of Reubens	Reubens, Lewis	Gov't Institution	Yes	Access to the Internet for city business
Culdesac QRU	Culdesac, Nez Perce	Public Safety	No	Mobile access for voice and data transmission.
ID State Police	Culdesac, Winchester; Nez Perce County	Public Safety	No	Mobile access along ID Highway 95, the only north-south highway route on the Reservation. Mobile access for voice and data transport greatly enhances public safety along a treacherous stretch of highway.
Nez Perce Tribal Police	Culdesac, Winchester; Nez Perce County	Public Safety	Yes	Mobile access along ID Highway 95, the only north-south highway route on the Reservation. Mobile access for voice and data transport greatly enhances public safety along a treacherous stretch of highway.
Nez Perce County Sheriff	Culdesac, Winchester; Nez Perce County	Public Safety	No	Mobile access along ID Highway 95, the only north-south highway route on the Reservation. Mobile access for voice and data transport greatly enhances public safety along a treacherous stretch of highway.

Institution Name	Service Area (town or county)	Type of Anchor Institution (as defined in your baseline)	Are you also the broadband service provider for this institution? (Yes / No)	Narrative description of how anchor institutions are using BTOP-funded infrastructure
Lewis County Sheriff	Winchester; Lewis County	Public Safety	No	Mobile access along ID Highway 95, the only north-south highway route on the Reservation. Mobile access for voice and data transport greatly enhances public safety along a treacherous stretch of highway.

Project Indicators (Next Quarter)

1. Please describe significant project accomplishments planned for completion during the next quarter (600 words or less).
 To date, construction of the backbone network is complete and final testing expected to be complete early in the quarter the emphasis of field technicians is connecting subscribers and identifying service gap areas. The network technicians will complete installation and testing of the Shenandoah (rural Kamiah) and Clearwater Transfer (to connect Clearwater Co Ambulance) neighborhood solutions to fill in identified service area gaps. Project development staff role will switch from construction related efforts to administrative as the close out process is initiated. Q1 2013 middle mile deployment will be (to Peck School 1.71 m, Clwtr County Ambulance, Marine Sheriff & Annex 7.04 m) 8.75 miles. This expansion will result in adding four (4) additional CAI's. There are no wholesale or last mile provider agreements anticipated in the upcoming quarter.

2. Please provide the percent complete for the following key milestones in your project. Write "0" in the Planned Percent Complete column and "N/A" in the Narrative column if your project does not include this activity. If you provided additional milestones in your baseline plan, please insert them at the bottom of the table. Unless otherwise indicated in the instructions, figures should be reported cumulatively from award inception to the end of the next reporting quarter. Please provide a narrative description if the percent complete is different from the target provided in your baseline plan (300 words or less).

	Milestone	Planned Percent Complete	Narrative (describe reasons for any variance from baseline plan or any other relevant information)
2a.	Overall Project	100	Complete
2b.	Environmental Assessment	100	Complete
2c.	Network Design	100	Complete
2d.	Rights of Way	100	Complete
2e.	Construction Permits and Other Approvals	100	Complete
2f.	Site Preparation	100	Complete
2g.	Equipment Procurement	100	Complete
2h.	Network Build (all components - owned, leased, IRU, etc.)	100	Complete
2i.	Equipment Deployment	100	Complete
2j.	Network Testing	100	Complete
2k.	Other (please specify): Site Lease Agmt	100	Complete

3. Please describe any challenges or issues anticipated during the next quarter that may impact planned progress against the project milestones listed above. In particular, please identify any areas or issues where technical assistance from the BTOP program may be useful (600 words or less).
 Program income is being used monthly to cover utility service costs at each individual/unique tower site and to support neighborhood solution equipment procurement enabling service delivery. In addition, Program income will be used early in Q1 2013 to purchase necessary equipment to upgrade the current 200 Mbps back-haul link connection to the ID Regional Optic Network to a 1 Gbps connection. This upgrade will support the network bandwidth demand peaks.

Infrastructure Budget Execution Details

Activity Based Expenditures (Infrastructure)

1. Please provide details below on your total budget, cumulative actual expenditures (for the period ending the current quarter), and cumulative anticipated expenditures (for the period ending next quarter) for each line item, including detailed disbursements of both matching funds and federal funds from project inception through end of this quarter (actual) or next quarter (anticipated). Actual and anticipated figures should be reported cumulatively from award inception to the end of the applicable reporting quarter.

Budget for Entire Project				Actuals from Project Inception through End of Current Reporting Period			Anticipated Actuals from Project Inception through End of Next Reporting Period		
Cost Classification	Total Cost (plan)	Matching Funds (plan)	Federal Funds (plan)	Total Cost	Matching Funds	Federal Funds	Total Costs	Matching Funds	Federal Funds
a. Administrative and legal expenses	\$238,263	\$171,424	\$66,839	\$145,627	\$54,144	\$91,483	\$186,714	\$55,143	\$131,571
b. Land, structures, right-of-ways, appraisals, etc.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
c. Relocation expenses and payments	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
d. Architectural and engineering fees	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
e. Other architectural and engineering fees	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
f. Project inspection fees	\$3,510	\$0	\$3,510	\$5,037	\$0	\$5,037	\$5,037	\$0	\$5,037
g. Site work	\$152,950	\$0	\$152,950	\$80,688	\$940	\$79,748	\$80,688	\$940	\$79,748
h. Demolition and removal	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
i. Construction	\$731,555	\$85,953	\$645,602	\$936,724	\$75,917	\$860,807	\$953,371	\$95,917	\$857,551
j. Equipment	\$680,688	\$28,300	\$652,388	\$543,285	\$89,896	\$453,389	\$543,285	\$89,896	\$453,292
k. Miscellaneous	\$475,623	\$427,803	\$47,820	\$480,496	\$438,586	\$41,910	\$513,494	\$471,584	\$41,910
l. SUBTOTAL (add a through k)	\$2,282,589	\$713,480	\$1,569,109	\$2,191,857	\$659,483	\$1,532,374	\$2,282,589	\$713,480	\$1,569,109
m. Contingencies	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
n. TOTALS (sum of l and m)	\$2,282,589	\$713,480	\$1,569,109	\$2,191,857	\$659,483	\$1,532,374	\$2,282,589	\$713,480	\$1,569,109

2. Program Income: Please provide the program income you listed in your application budget and actuals to date through the end of the reporting period.

a. Application Budget Program Income: \$0	b. Program Income to Date: \$28,730
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