

**U.S. DEPARTMENT OF COMMERCE**

**Performance Progress Report**

2. Award Or Grant Number

17-50-M09033

4. Report Date (MM/DD/YYYY)

01-29-2011

1. Recipient Name

The Partnership for a Connected Illinois

6. Designated Entity On Behalf Of:

State of Illinois

3. Street Address

413 W. Monroe St,

8. Final Report?

Yes

No

9. Report Frequency

Quarterly

Semi Annual

Annual

Final

5. City, State, Zip Code

Springfield, IL 62704

7. Project / Grant Period  
Start Date: (MM/DD/YYYY)

12-20-2009

7a. End Date: (MM/DD/YYYY)

12-19-2014

7b. Reporting Period End Date:

12-31-2010

9a. If Other, please describe:

N/A

**10. Broadband Mapping**

10a. Provider Table

Number of Providers Identified	Number of Providers Contacted	Number of Agreements Reached for Data Sharing	Number of Partial Data Sets Received	Number of Complete Data Sets	Number of Data Sets Verified
0	0	0	0	0	0

10b. Are you submitting the required PROVIDER DATA by using the Excel spreadsheet provided by the SBDD grants office?  Yes  No

10c. Have you encountered challenges with any providers that indicate they may refuse to participate in this project?  Yes  No

10d. If so, describe the discussions to date with each of these providers and the current status

N/A

10e. If you are collecting data through other means (e.g. data extraction, extrapolation, etc), please describe your progress to date and the relevant activities to be undertaken in the future

Although the Partnership for a Connected Illinois had not yet engaged in data extraction and extrapolation by the end of Q4, PCI is preparing to undertake such activities in Q1 and Q2 of 2011.

10f. Please describe the verification activities you plan to implement

On behalf of the Partnership for a Connected Illinois (PCI), ESRI is deploying and hosting BroadbandStat web application. ESRI has housed the customized BroadbandStat application in their monitored and managed environment, and this BroadbandStat application was available in Q4 through Connected Nation's <http://connectillinois.org>, although this application is set to transfer to PCI's <http://broadbandillinois.org> in Q1 2011. This includes setting up a staging environment for data verification and compatibility as well as a production environment for client access.

PCI also collects consumer feedback in the form of broadband inquiries. Once broadband inquiries are received across the state, this information is overlaid with the broadband availability information. This allows for a real-world comparison of the broadband landscape to the information received from broadband inquiries. Broadband inquiries are able to provide three types of information: (1) residents who do not have broadband; (2) residents who have broadband but want a different provider; and (3) residents who do not have broadband, but the broadband inventory maps indicate that they do. If residents within a region state that they are without broadband, but the broadband inventory maps show otherwise, this allows PCI to approach the providers within that area in an effort to trim down their coverage to more accurately represent real-world availability on the ground.

PCI continued its local eTeam activities in Q4 2010 as a means to help translate broadband data information into actionable information that can help expand broadband access in areas that lack coverage, and enhance the quality of broadband in areas already served.

In Q4 2010, PCI obtained a copy of all non-confidential information about broadband providers, and began an intensive process to prepare for the release this non-confidential information about carrier footprints, on a Census block-by-Census block basis, in Q1 2011.

10g. Have you initiated verification activities?  Yes  No

10h. If yes, please describe the status of your activities

BroadbandStat remained publicly available on Connected Nation's <http://connectillinois.org> web site (see 10f for information about this

transition) and received a total of 698 visits between October 1, 2010 and December 31, 2010.

During Q4 2010, PCI received a total of 50 broadband inquiries. Additional information received through e-mail from consumers that can also be used for verification purposes totaled 1 for this quarter.

Connected Nation ended 2010 with 89 field validation tests completed at 28 locations across the state. This represents a field validation testing on 13 of the state's 157 viable broadband providers (AT&T, BANICON Inc., Cellular Properties, Charter Communications, Clearwire Corporation, Comcast Cable Communications Inc., Egyptian Telephone, Geneseo Communications, Heartland, Illinois Valley Cellular, KeyOn, LaHarpe Telephone and Volo Broadband) and represents a completion rate of 8.28% against the universe of 157 viable providers.

Testing techniques included (i) spectrum analysis tests on all fixed, mobile, and WiMAX platforms using an Avcom PSA-37XP spectrum analyzer; (ii) affirmation of coordinates using both GPS enabled software and hand-held GPS units (which were also cross-referenced against the FCC's Universal Licensing System – if applicable); (iii) broadband speeds tests of fixed wireless, Wi-MAX, and mobile platforms utilizing either a 3G smart phone, a 3G aircard, or both; and (iv) broadband speed tests at local libraries, community centers, and other CAI locations.

10i. If verification activities have not been initiated please provide a projected time line for beginning and completing such activities

N/A

### Staffing

10j. How many jobs have been created or retained as a result of this project?

8 jobs have been created or retained as a result of this project, 6.4 FTE of which (or 80 percent) are attributable to ARRA funding from NTIA.

10k. Is the project currently fully staffed?  Yes  No

10l. If no, please explain how any lack of staffing may impact the project's time line and when the project will be fully staffed

The project's time line will not be affected, and additional jobs will be added as necessary.

10m. When fully staffed, how many full-time equivalent (FTE) jobs do you expect to create or retain as a result of this project?

8

10n. Staffing Table

Job Title	FTE %	Date of Hire
Executive Director	100	02/16/2010
Community Outreach Director	100	05/03/2010
Database Manager	100	08/09/2010
Accountant	100	02/01/2010
Community Anchor Institutional Researcher	67	01/01/2010
Broadband Events Coordinator	50	09/01/2010
Engineering and Technical Services Analysis	50	01/22/2010
GIS Analyst	50	01/22/2010
Research Analyst	50	01/22/2010
Graduate Assistant	50	01/22/2010
State Services Sr. Specialist	40	01/22/2010
Policy and Research Communications	33	01/22/2010
Assistant Professor	10	01/22/2010

Add Row

Remove Row

**Sub Contracts**

## 10o. Subcontracts Table

Name of Subcontractor	Purpose of Subcontract	RFP Issued (Y/N)	Contract Executed (Y/N)	Start Date	End Date	Federal Funds	In-Kind Funds
Connected Nation	Data Collection, Processing and Mapping.	N	Y	01/22/2010	01/30/2012	873,483	279,303
Southern Illinois University Carbondale	Community Anchor Institution Research	N	Y	12/01/2009	11/30/2011	96,866	0
Man-Tra-Con	Community Anchor Institution Research	N	Y	12/01/2009	11/30/2011	134,600	46,000

Add Row

Remove Row

**Funding**

10p. How much Federal funding has been expended as of the end of the last quarter? \$1,203,305 10q. How much Remains? \$5,351,336

10r. How much matching funds have been expended as of the end of last quarter? \$321,073 10s. How much Remains? \$1,388,305

## 10t. Budget Worksheet

Mapping Budget Element	Federal Funds Granted	Proposed In-Kind	Total Budget	Federal Funds Expended	Matching Funds Expended	Total Funds Expended
Personal Salaries	\$2,325,000	\$0	\$2,325,000	\$177,549	\$31,120	\$208,669
Personnel Fringe Benefits	\$710,400	\$0	\$710,400	\$11,877	\$2,013	\$13,890
Travel	\$48,034	\$0	\$48,034	\$14,285	\$9,961	\$24,246
Equipment	\$50,400	\$0	\$50,400	\$1,299	\$0	\$1,299
Materials / Supplies	\$160,300	\$0	\$160,300	\$6,521	\$636	\$7,157
Subcontracts Total	\$1,104,949	\$325,303	\$1,430,252	\$921,196	\$207,982	\$1,129,177
Subcontract #1	\$873,483	\$279,303	\$1,152,786	\$825,460	\$157,693	\$983,153
Subcontract #2	\$96,866	\$0	\$96,866	\$51,940	\$15,980	\$67,920
Subcontract #3	\$134,600	\$46,000	\$180,600	\$43,796	\$34,309	\$78,104
Subcontract #4	\$0	\$0	\$0	\$0	\$0	\$0
Subcontract #5	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$0	\$0
Other	\$2,155,558	\$1,384,075	\$3,539,633	\$70,578	\$69,361	\$139,939
Total Direct Costs	\$6,554,641	\$1,709,378	\$8,264,019	\$1,203,305	\$321,073	\$1,524,377
Total Indirect Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total Costs	\$6,554,641	\$1,709,378	\$8,264,019	\$1,203,305	\$321,073	\$1,524,377
% Of Total	79	21	100	79	21	100

**Hardware / Software**10u. Has the project team purchased the software / hardware described in the application?  Yes  No

10v. If yes, please list

Hardware/software purchased for the project from 07/01/2010 through 12/31/2010 include the following:

\*\*Inkjet Printer: \$120

\*\*Laptop Computer: \$759

- \*\*Peripherals: \$140
- \*\*Printer Supplies: \$32
- \*\*Multipurpose Copier: \$567
- \*\*Copier Supplies: \$299
- \*\*Software: \$107
- \*\*Filing Cabinets: \$100
- \*\*SIU Supplies; \$147
- \*\*TurboTax 2011: \$93
- \*\*Copier Supplies: \$235
- \*\*Peripherals: \$269
- \*\*Widescreen Monitor: \$251
- \*\*Power Supply: \$136
- \*\*Battery: \$169
- \*\*Software Training Books: \$62
- \*\*Copier Supplies: \$398

10w. Please note any software / hardware that has yet to be purchased and explain why it has not been purchased

Remaining purchases may include SQL server for mapping geodatabase, SQL server software, multiple dedicated storage servers, security application, additional backup replication solution, computers, GPS units BroadbandStat maintenance, ESRI ArchInfo/ArcGIS maintenance, and speed test updates as well as computers and software maintenance, as well as datasets.

10x. Has the project team purchased or used any data sets?  Yes  No

10y. If yes, please list

Although the Partnership for a Connected Illinois had not purchased data sets as of the end of Q4 2010, PCI may make such purchases in Q1 and Q2 of 2011.

10z. Are there any additional project milestones or information that has not been included?  Yes  No

10aa. If yes, please list

In Q4 2010, the PCI data team made considerable progress in refining aspects of our organization's broadband data and information collection program. Upon receipt of key non-confidential data from Connected Nation on November 30, 2010, our GIS analyst produced an extensive memo about the ways that PCI should publicly display this information on broadbandillinois.org. As of Q4 2010, PCI had interviewed key individuals and organizations to assist PCI in rendering this public data as soon as possible in 2011. The key reference document here is the "Broadband Illinois Web Display," or a variant of the table the appeared on page 12 of PCI's Round 2 application for funding from the SBDD program.

Additionally, PCI articulated the need to build the broadbandillinois.org web site by (a) introducing PCI data to the developer community by sharing the non-confidential broadband data sets of carrier information at the Census block level; and (b) developing broadbandillinois.org in a way that displays broadband data for maximum impact by the eTeams, and for community-building through PCI's efforts to foster the Illinois broadband dialogue.

Activities performed in Q4 2010 for PCI, by Connected Nation, include:

- (a) maintenance of the connectillinois.org web site to display mapping productions;
- (b) updating the Illinois BroadbandStat instance on October 29, 2010;
- (c) continuing to receive and process connectillinois.org web site technology assessments;
- (d) further refinement of the broadband provider list, contact list, and data collection activity log;
- (e) secure storage of the existing executed non-disclosure agreements with providers;
- (f) compilation of, and submittal of, the October 8 semi-annual data update, a joint production of PCI and Connected Nation.

In Q4 2010, PCI also deepened its relationship with Illinois broadband providers by interacting with and helping to facilitate the process of BTOP and BIP awardees coordinating activities throughout the State of Illinois.

10bb. Please describe any challenge or obstacle that you have encountered and detail the mitigation strategies the project team is employing

N/A

10cc. Please provide any other information that you think would be useful to NTIA as it assesses your Broadband Mapping Project  
In Q4 2010, the Partnership for a Connected Illinois and Connected Nation agreed upon further aspects of the ongoing transition

between Connected Nation and the PCI. With the securing of additional services by key GIS and data analysis individuals, PCI and Connected Nation communicated aspects of this transition with NTIA (and will provide additional documentation in the February 2010 finalization of Round 2 award details), a communication which shed additional light on the legal details that will enable broadband providers and Connected Nation to also share with PCI the confidential data currently collected and housed with Connected Nation. (As discussed in 10aa, Connected Nation has already provided the non-confidential data to PCI.)

**11. Broadband Planning**

11a. Please describe progress made against all goals, objectives, and milestones detailed in the approved Project Plan. Be sure to include a description of each major activity / milestone that you plan to complete and your current status

See 10aa

11b. Please describe any challenge or obstacle that you have encountered and detail the mitigation strategies the project team is employing

See 10bb

11c. Does the Project Team anticipate any changes to the project plan for Broadband Planning?  Yes  No

11d. If yes, please describe these anticipated changes. Please note that NTIA will need to approve changes to the Project Plan before they can be implemented

N/A

**Funding**

11e. How much Federal funding has been expended as of the end of the last quarter? \$0                      11f. How much Remains?                      \$0

11g. How much matching funds have been expended as of the end of last quarter?                      \$0                      11h. How much Remains?                      \$0

11i. Planning Worksheet

Personal Salaries	\$0	\$0	\$0	\$0	\$0	\$0
Personnel Fringe Benefits	\$0	\$0	\$0	\$0	\$0	\$0
Travel	\$0	\$0	\$0	\$0	\$0	\$0
Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Materials / Supplies	\$0	\$0	\$0	\$0	\$0	\$0
Subcontracts Total	\$0	\$0	\$0	\$0	\$0	\$0
Subcontract #1	\$0	\$0	\$0	\$0	\$0	\$0
Subcontract #2	\$0	\$0	\$0	\$0	\$0	\$0
Subcontract #3	\$0	\$0	\$0	\$0	\$0	\$0
Subcontract #4	\$0	\$0	\$0	\$0	\$0	\$0
Subcontract #5	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$0	\$0
Other	\$0	\$0	\$0	\$0	\$0	\$0
Total Direct Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total Indirect Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total Costs	\$0	\$0	\$0	\$0	\$0	\$0

11i. Planning Worksheet

% Of Total	0	0	0	0	0	0
------------	---	---	---	---	---	---

**Additional Planning Information**

11j. Are there any additional project milestones or information that has not been included?

N/A

11k. Please describe any challenge or obstacle that you have encountered and detail the mitigation strategies the Project Team is employing

N/A

11l. Please provide any other information that you think would be useful to NTIA as it assesses your Broadband Mapping Project

N/A

12. Certification: I certify to the best of my knowledge and belief that this report is correct and complete for performance of activities for the purpose set forth in the award documents.

12a. Typed or Printed Name and Title of Authorized Certifying Official

Drew Clark

12c. Telephone  
(area code, number, and extension)

217-816-4151

12d. Email Address

drew@broadbandillinois.org

12b. Signature of Authorized Certifying Official

Submitted Electronically

12e. Date Report Submitted  
(Month, Day, Year)

02-24-2011