

**U.S. DEPARTMENT OF COMMERCE**

**Performance Progress Report**

2. Award Or Grant Number  
17-50-M09033

4. Report Date (MM/DD/YYYY)  
10-06-2010

1. Recipient Name  
The Partnership for a Connected Illinois

6. Designated Entity On Behalf Of:  
State of Illinois

3. Street Address  
150 East Pleasant Hill Road , MC 6879,

8. Final Report?  Yes  No  
9. Report Frequency  
 Quarterly  
 Semi Annual  
 Annual  
 Final

5. City, State, Zip Code  
Carbondale, IL 62903-6162

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:  
09-30-2010

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
166	166	101	4	126	126

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

BOB Business Only Broadband: August 24 - provider responds "Too busy to help; no residential service, but some backhaul; county coverage info on website."

Cygnus Communications: August 20 - provider representative states he does not want to participate due to "legal concerns" and time constraints.

DLS Internet Services: August 20 - provider contacts mapping agent stating "we are phasing out wireless service and will be evolving into a B2B business..."

Essex Computers: August 25 - mapping agent informed by provider they did not wish to participate.

JISP Wireless Internet: March 9 - provider indicates that there is "no benefit" and doesn't want to participate; reiterated September 1.

Urban Communications, Inc.: September 1 - provider states they are not interested in participating.

WOW! Internet: January 22 provider emails "I have spoken with [name withheld] and we wish not to provide this information." ; reiterated March 11 and August 10

The following list illustrates those instances where, multiple attempts were made to contact the provider but, the provider was non-responsive: AJ Internet, Inc., American Wireless Broadband Atmosphere Communications, Inc., Copper-Free Networks, Inc., EJB Technologies, Empowering Technologies, Inc., HiBeam, New Wave Net Corp., Quincy Wireless, Telesti Corp., theWISP.net, Inc., Wateco, Winco Inc., WiresAway, Inc., WishCom Wireless Internet Services.

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

N/A

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. The scope of services 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. These inquiries represent any type of communication received from the public regarding broadband service. Once broadband inquiries are received across the state, this information is overlaid with the broadband availability information which was collected through the SBDD program. 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 but want it; (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.

Additionally, PCI has begun using our local eTeams under development 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.

10g. Have you initiated verification activities?  Yes  No

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

The Partnership for a Connected Illinois (PCI) received a total of 764 visits between July 1, 2010 and September 30, 2010. During this quarter, PCI has received a total of 27 broadband inquiries. Additional information received through e-mail from consumers that can also be used for verification purposes totaled 3 for this quarter. After analyzing the mix of broadband providers within the state (40 ILECs, 20 cable modem providers, 12 FTTx providers, 97 fixed wireless operators, 32 backhaul providers, and 6 mobile wireless companies) Connected Nation selected 13 broadband providers for initial field validation activities. Upon the conclusion of those site tests (28 locations) the validation completion rate stands at 7.83%. The results of the testing techniques affirmed that (1) 100% spectrum frequencies (as tested by an Avcom PSA-37XP spectrum analyzer) were accurate, (2) 96.4% of the physical coordinates (tested using either a GPS-enabled version of Microsoft Streets & Trips or a Garmin eTrex Summit GPS unit) were correct and, in cases where a discrepancy was discovered, they were presented to the appropriate provider and further verified/validated by the provider; and (3) 100% of the mobile broadband speeds tested achieved the criteria as established for broadband (minimum of 768 kbps x 200 kbps). Mobile testing was conducted using a 3G smart phone and/or a 3G aircard.

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

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 Analyst	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? \$967,723      10q. How much Remains? \$5,586,918

10r. How much matching funds have been expended as of the end of last quarter? \$262,176      10s. How much Remains? \$1,447,202

10t. Budget Worksheet

Mapping Budget Element	Federal Funds Granted	Proposed In-Kind	Total Budget	Federal Funds Expended	Matching Funds Expended	Total Funds Expended

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	\$53,069	\$0	\$53,069
Personnel Fringe Benefits	\$710,400	\$0	\$710,400	\$3,825	\$0	\$3,825
Travel	\$48,034	\$0	\$48,034	\$3,656	\$7,304	\$10,960
Equipment	\$50,400	\$0	\$50,400	\$1,299	\$0	\$1,299
Materials / Supplies	\$160,300	\$0	\$160,300	\$5,031	\$263	\$5,294
Subcontracts Total	\$1,104,949	\$325,303	\$1,430,252	\$861,921	\$193,163	\$1,055,083
Subcontract #1	\$873,483	\$279,303	\$1,152,786	\$804,260	\$152,393	\$956,653
Subcontract #2	\$96,866	\$0	\$96,866	\$26,307	\$9,572	\$35,879
Subcontract #3	\$134,600	\$46,000	\$180,600	\$31,354	\$31,197	\$62,551
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	\$38,922	\$61,447	\$100,369
Total Direct Costs	\$6,554,641	\$1,709,378	\$8,264,019	\$967,723	\$262,176	\$1,229,899
Total Indirect Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total Costs	\$6,554,641	\$1,709,378	\$8,264,019	\$967,723	\$262,176	\$1,229,899
% 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 9/30/2010 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

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

N/A

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

10aa. If yes, please list

During the 3rd Quarter of 2010 PCI was involved in a number of activities related to both mapping and planning, which included the following. Some of these activities relate to required infrastructure and organizational changes, and primarily involved pre-existing State and contractual issues.

1. Submission of, and follow up on, SBDD Round 2 Application.

2. Negotiation of agreement with Southern Illinois University to establish PCI as an independent 501(c)(3) that is no longer a university affiliated organization. This became necessary for a number of reasons, which include the need to simplify financial, accounting and operational procedures while becoming an organization that is statewide in scope.

3. Negotiation of agreement with Connected Nation with regard to prior mapping work performed by them, and the scope of their future involvement with the mapping function.

4. On the planning side in September PCI convened a statewide event in Springfield, Illinois which included NTIA BTOP (and BIP) awardees and stakeholders from State, local, and CAI organizations among others.

5. Also with respect to planning we continued to build a network of Broadband Technology Teams, or eTeams. The eTeams include work with the mapping side to identify underserved areas and aggregate demand. Once determined, the eTeams work with the carriers on the supply side to identify and implement solutions. They are also involved in adoption and other outreach activities.

6. In terms of mapping, PCI is in the process of filling several technology-related positions in order to perform mapping, GIS, web interface and other functions in-house.

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

Some providers continue to be hesitant to participate. Partnership for a Connected Illinois will continue to work closely with the provider community to encourage participation and field questions or concerns.

10cc. Please provide any other information that you think would be useful to NTIA as it assesses your Broadband Mapping Project  
During the third quarter of 2010, the Partnership for a Connected Illinois (PCI) continued its work in undertaking carrier-executed Non-Disclosure Agreements (NDA) and assembling Community Anchor Institution data-collection and geocoding. PCI has engaged in broadband provider relationship management and continued to process speed tests and web site technology assessments; updated and refined the broadband provider list, along with associated activity logs; and continued to execute, update and store NDAs.

On Community Anchor Institutions, the CAI survey function was conducted in-house, and not contracted out through Connected Nation. The electronic survey itself was revised in several ways. Both carrier and rate information were requested, and the speed

test became a required item for completion of the survey. The speed test currently being administered on the FCC website was used.

As of the latest semi-annual reporting period, a total of 26,874 Illinois CAIs were identified, addressed, and geocoded. Of this total, 3,867 locations were identified with connectivity data or 14.39% of the database. As further described herein, a total of 10,063 priority locations were actually surveyed for connectivity data. Consequently, the 3,867 locations with connectivity data actually represent 38.43% of locations surveyed.

PCI scheduled bi-weekly project team meetings, focusing on data collection and outreach, and has continued to identify and collect data from CAIs to identify unclassified data points, and to reach out to CAIs. This outreach also aids the creation of geographic technology leadership eTeams for data validation and enhanced broadband deployment efforts, and efforts to spur greater high-speed internet adoption.

## 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

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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

Planning Budget Element	Federal Funds Granted	Proposed In-Kind	Total Budget	Federal Funds Expended	Matching Funds Expended	Total Funds Expended
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
% 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)

12d. Email Address

drew@broadbandillinois.org

12b. Signature of Authorized Certifying Official

Submitted Electronically

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

12-23-2010

Performance Progress Report  
OMB Approval Number: 0660-0034  
Expiration Date: 08/31/2010